TESTING LABORATORY
CERTIFICATE #4820.01

FCC PART 22H, PART 24E,PART 27, PART 90 MEASUREMENT AND TEST REPORT

For

Sun Cupid Technology (HK) Ltd.

16/F,CEO Tower,77 Wing Hong Street,Cheung Sha Wan,Kowloon,Hong Kong.

FCC ID: 2ADINS5502L

Report Type:	**Product Type:**
Original Report	LTE Smart Phone

Report Number:	RSZ210119007-00E
Report Date:	2021-03-03
Reviewed By:	Ivan Cao Assistant Manager
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Dongguan) No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

EUT Name:		LTE Smart Phone
EUT Model:		S5502L
Multiple Model:		A11L, NUU A11L
Operation modes:		GPRS/EDGE Data, WCDMA(R99 (Data), HSDPA,HSUPA) FDD-LTE,TDD-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 13: 777-787 MHz(TX), 746-756 MHz(RX) LTE Band 25: 1850-1915 MHz(TX); 1930-1995 MHz(RX) LTE Band 26: 814-849 MHz(TX), 859-894 MHz(RX) LTE Band 41: 2496-2690 MHz(TX&RX) LTE Band 66: 1710-1780 MHz(TX), 2110-2180 MHz(RX) LTE Band 71: 663-698 MHz(TX), 617-652 MHz(RX)
Antenna Gain▲:		GSM850/WCDMA B5/LTE B5:-2.2 dBi (-4.35dBd) PCS1900/WCDMA B2/LTE B2/B25: -0.8 dBi WCDMA B4/LTE B4/B66: -1 dBi LTE B41: -1.1 dBi LTE B12: -1.2 dBi(-3.35dBd) LTE B13: -1.8 dBi(-3.95dBd) LTE B26:-0.8 dBi(-2.95dBd) LTE B71: -2.5 dBi(-4.65dBd)
Modulation Type:		GMSK,8PSK, BPSK, QPSK, 16QAM
Rated Input Voltage:		DC 3.8V from battery or 5V form Adapter
Adapter# Information	**Model:**	A10A-050100U-U32
	Input:	AC 100-240V 50/60Hz 0.2A
	Output:	DC 5.0V 1A
Serial Number:		RSZ210119007-RF-S1
EUT Received Date:		2021.01.19
EUT Received Status:		Good

Notes: *The series product, models S5502L, A11L, NUU A11L are electrically identical, the model S5502L was fully tested. The difference between them please refer to the declaration letter for details.*

Objective

This report is prepared on behalf of ***Sun Cupid Technology (HK) Ltd.*** in accordance with: Part 2-Subpart J, Part 22-Subpart H, Part 24-Subpart E, Part 27, Part 90 of 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.

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, Part 90.

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℃
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.12, Pulong East 1st Road, Tangxia Town, 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 2/4/5/12/13/25/26/41/66/71, test was performed with channels as below table:

Frequency Bands	Bandwidth (MHz)	Test Frequency(MHz)		
		Low	Middle	High
GPRS/EDGE850	0.25	824.2	836.6	848.8
GPRS/EDGE1900	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 13	5	779.5	782	784.5
	10	/	782	/

Frequency Bands	Bandwidth (MHz)	Test Frequency(MHz)		
		Low	Middle	High
LTE Band 25	1.4	1850.7	1882.5	1914.3
	3	1851.5	1882.5	1913.5
	5	1852.5	1882.5	1912.5
	10	1855	1882.5	1910
	15	1857.5	1882.5	1907.5
	20	1860	1882.5	1905
LTE Band 26	1.4	814.7	831.5	848.3
	3	815.5	831.5	847.5
	5	816.5	831.5	846.5
	10	819	831.5	844
	15	821.5	831.5	841.5
LTE Band 41	5	2498.5	2593	2687.5
	10	2501	2593	2685
	15	2503.5	2593	2682.5
	20	2506	2593	2680
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
LTE Band 71	5	665.5	680.5	695.5
	10	668	680.5	693
	15	670.5	680.5	690.5
	20	673	680.5	688

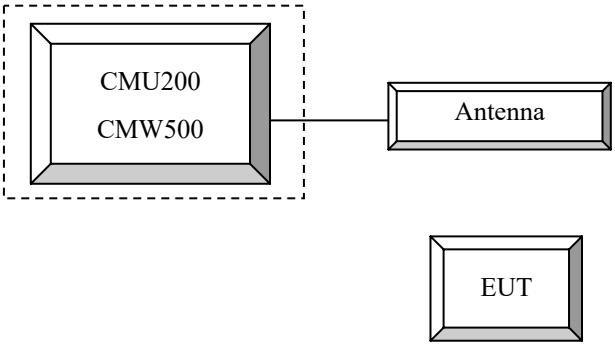
Equipment Modifications

No modification was made to the EUT.

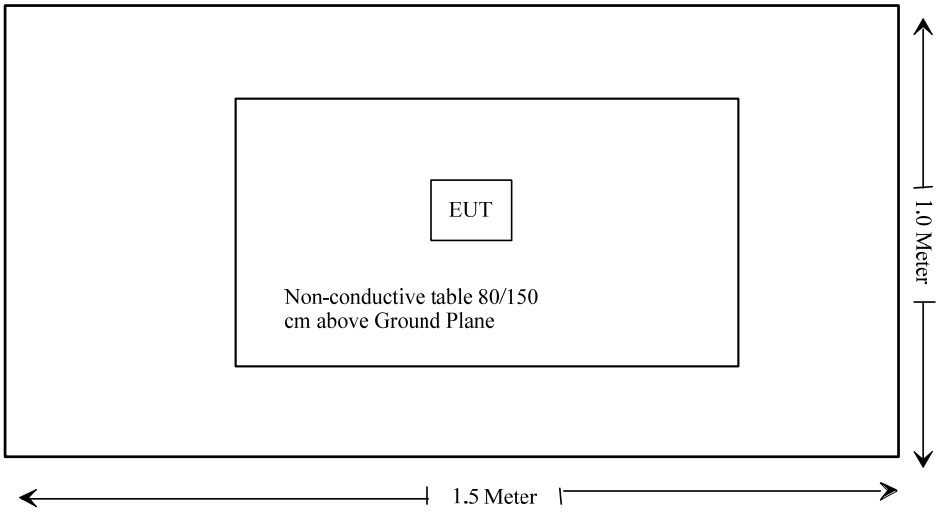
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Unknown	Antenna	Unknown	Unknown
R&S	Universal Radio Communication Tester	CMU200	106 891
R&S	Wideband Radio Communication Tester	CMW500	147473

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;§90.635	RF Output Power	Compliance
FCC§ 2.1047	Modulation Characteristics	Not Applicable
FCC§ 2.1049; § 22.905 § 22.917; § 24.238; §27.53 §90.209	Occupied Bandwidth	Compliance
FCC§ 2.1051, § 22.917 (a); § 24.238 (a); §27.53;§90.691	Spurious Emissions at Antenna Terminal	Compliance
FCC§ 2.1053 § 22.917 (a); § 24.238 (a); §27.53 ;§90.691	Field Strength of Spurious Radiation	Compliance
FCC§ 22.917 (a); § 24.238 (a); §27.53;§90.691	Out of band emission, Band Edge	Compliance
FCC§ 2.1055 § 22.355; § 24.235; §27.54 §90.213	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: RSZ210119007-20.

FCC §2.1047 - MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H & 24E,part 27,Part 90 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&§90.635- 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.

According to §90.635

(b) The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).

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
	βc / βd	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			
	βc	2/15	12/15	15/15	15/15
	βd	15/15	15/15	8/15	4/15
	βd (SF)	64			
	βc/ βd	2/15	12/15	15/8	15/4
	βhs	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			
	Ahs=βhs/ βc	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				
	βc	11/15	6/15	15/15	2/15	15/15
	βd	15/15	15/15	9/15	15/15	0
	βec	209/225	12/15	30/15	2/15	5/15
	βc/ βd	11/15	6/15	15/9	2/15	-
	βhs	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				
	Ahs=βhs/ βc	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_FCIs	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 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 (Note3)	β_d	β_{HS} (Note1)	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_{ed}1: 30/15 β_{ed}2: 30/15	β_{ed}3: 24/15 β_{ed}4: 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_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 β_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
16 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 6.6.3.3.2	13	10	Table 6.2.4-2	Table 6.2.4-2
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.

LTE(TDD):

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Calculated Duty Cycle

Uplink-Downlink Configuration	Downlink-to-Uplink Switch-point Periodicity	Subframe Number										Calculated Duty Cycle (%)
		0	1	2	3	4	5	6	7	8	9	
0	5 ms	D	S	U	U	U	D	S	U	U	U	63.33
1	5 ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5 ms	D	S	U	U	U	D	S	U	U	D	53.33

Calculated Duty Cycle = Extended cyclic prefix in uplink x (T_s) x # of S + # of U

Example for Calculated Duty Cycle for Uplink-Downlink Configuration 0:
Calculated Duty Cycle = 5120 x [1/(15000 x 2048)] x 2 + 6 ms = 63.33%
where
T_s = 1/(15000 x 2048) seconds

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41005011	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A
E-Microwave	Blocking Control	EMDCB-00036	0E01201047	2020-05-06	2021-05-06
Unknown	Attenuator	UNAT-3+	15529	2020-09-06	2021-09-06
R&S	Universal Radio Communication Tester	CMU200	106 891	2020-09-12	2021-09-12
E-Microwave	Coaxial Attenuators	EMCA10-5RN-6	OE01203239	2020-09-06	2021-09-06
R&S	Wideband Radio Communication Tester	CMW500	147473	2020-09-23	2021-09-22

**** 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:	22.1~26.3 °C
Relative Humidity:	32~44 %
ATM Pressure:	100.8~102.8kPa
Tester:	Tylor Li
Test Date:	2021-01-27~2021-02-04

Test Result: Compliance

GSM/GPRS

Conducted Output Power:

Band	Channel No.	Conducted Peak Output Power (dBm)				
		GSM	GPRS 1 uplink slot	GPRS 2 uplink slot	GPRS 3 uplink slot	GPRS 4 uplink slot
Cellular	128	32.9	32.98	30.8	28.80	27.78
	190	32.9	32.93	30.79	28.80	27.7
	251	32.9	32.94	30.79	28.80	27.8
PCS	512	28.8	24.52	22.73	20.73	20.02
	661	29.3	24.83	22.83	20.7	19.58
	810	29.6	27.59	24.85	22.63	21.02

ERP/EIRP:

Band	Mode	Channel	Conducted Power	Antenna Gain	Cable Loss	Result	Limit
			(dBm)	(dBi/dBd)	(dB)	(dBm)	(dBm)
Cellular	GSM	Low	32.98	-4.35	0.2	28.43	38.45
		Middle	32.93	-4.35	0.2	28.38	38.45
		High	32.94	-4.35	0.2	28.39	38.45
PCS	GSM	Low	28.80	-0.8	0.4	27.6	33
		Middle	29.30	-0.8	0.4	28.1	33
		High	29.60	-0.8	0.4	28.4	33

EGPRS

Conducted Output Power:

Band	Channel No.	Conducted Peak Output Power (dBm)			
		EGPRS 1 uplink slot	EGPRS 2 uplink slot	EGPRS 3 uplink slot	EGPRS 4 uplink slot
Cellular	128	27.16	25.63	23.26	22.00
	190	27.18	25.72	23.27	21.92
	251	27.16	25.72	23.29	21.83
PCS	512	26.92	25.51	23.18	21.90
	661	26.91	25.55	23.15	21.89
	810	26.52	25.24	22.76	21.50

ERP/EIRP:

Band	Mode	Channel	Conducted Power	Antenna Gain	Cable Loss	Result	Limit
			(dBm)	(dBi/dBd)	(dB)	(dBm)	(dBm)
Cellular	EGPRS	Low	27.16	-4.35	0.2	22.61	38.45
		Middle	27.18	-4.35	0.2	22.63	38.45
		High	27.16	-4.35	0.2	22.61	38.45
PCS	EGPRS	Low	26.92	-0.8	0.4	25.72	33
		Middle	26.91	-0.8	0.4	25.71	33
		High	26.52	-0.8	0.4	25.32	33

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	22.86	3.04	22.83	3.11	22.70	3.11
HSDPA	1	21.94	3.27	21.89	3.30	21.58	3.37
	2	21.76	3.54	21.68	3.12	21.46	3.34
	3	21.88	3.48	21.81	3.18	21.66	3.53
	4	22.15	3.33	21.65	3.38	21.58	3.52
HSUPA	1	22.21	3.53	22.01	4.07	21.16	3.40
	2	21.90	3.17	21.85	3.30	21.56	3.72
	3	22.05	3.40	21.67	3.29	21.70	3.97
	4	22.08	3.28	21.57	3.40	21.28	3.54
	5	22.00	3.33	21.59	3.32	21.78	3.64
DC-HSDPA	1	22.19	3.51	21.49	3.38	21.83	3.64
	2	22.19	3.33	21.80	3.38	21.65	3.32
	3	22.15	3.01	21.61	3.45	21.83	3.47
	4	22.23	3.30	21.81	3.38	21.51	3.16
HSPA+ (16QAM)	1	21.07	2.31	20.83	2.10	20.51	2.44

EIRP:

Channel	Conducted Power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
Low	22.86	-0.8	0.4	21.66	33
Middle	22.83	-0.8	0.4	21.63	33
High	22.70	-0.8	0.4	21.50	33

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	22.89	2.88	22.74	3.04	22.72	3.01
HSDPA	1	21.96	3.91	21.76	3.27	21.81	3.30
	2	21.86	3.91	22.03	3.19	21.97	3.21
	3	22.02	4.01	21.64	3.20	21.81	3.25
	4	21.93	3.91	21.82	3.35	21.54	3.14
HSUPA	1	21.62	3.17	20.99	3.97	20.91	3.37
	2	21.56	3.22	21.04	4.01	20.46	3.35
	3	21.74	3.17	20.74	3.83	20.82	3.37
	4	21.38	2.81	21.05	4.05	20.51	3.64
	5	21.59	3.17	20.83	4.03	20.76	3.09
DC-HSDPA	1	21.32	3.49	21.15	3.72	21.21	3.39
	2	21.46	3.24	21.13	3.73	20.61	3.45
	3	21.56	3.02	20.93	3.97	21.07	3.43
	4	21.58	3.22	21.17	4.06	21.07	3.37
HSPA+ (16QAM)	1	20.78	2.01	20.04	3.07	20.01	2.37

EIRP:

Channel	Conducted Power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
Low	22.89	-1	0.4	21.49	30
Middle	22.74	-1	0.4	21.34	30
High	22.72	-1	0.4	21.32	30

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	22.86	3.11	22.97	2.82	22.81	2.88
HSDPA	1	21.78	3.24	21.98	3.14	21.83	3.21
	2	21.72	3.10	21.99	3.14	21.85	3.37
	3	21.78	3.15	21.82	3.14	21.83	3.57
	4	21.60	3.44	21.73	3.13	21.86	3.09
HSUPA	1	21.45	3.49	21.68	3.40	21.43	3.33
	2	21.47	3.69	21.73	3.22	21.52	3.05
	3	21.65	3.55	21.68	3.24	21.25	3.31
	4	21.45	3.55	21.56	3.76	21.39	3.39
	5	21.45	3.69	21.59	3.50	21.03	3.48
DC-HSDPA	1	21.35	3.54	21.88	3.60	21.43	3.19
	2	21.45	3.53	21.63	3.68	21.53	3.30
	3	21.49	3.09	21.80	3.42	21.71	3.48
	4	21.29	3.44	21.40	3.22	21.49	3.12
HSPA+ (16QAM)	1	20.78	3.21	20.45	3.32	20.12	3.29

ERP:

Channel	Conducted Power (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
Low	22.86	-4.35	0.2	18.31	38.45
Middle	22.97	-4.35	0.2	18.42	38.45
High	22.81	-4.35	0.2	18.26	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	23.62	23.07	22.94
		RB1#3	23.78	23.25	22.63
		RB1#5	23.23	23.06	22.35
		RB3#0	23.14	23.17	22.47
		RB3#3	23.08	23.19	22.49
		RB6#0	22.06	22.14	21.4
	16QAM	RB1#0	21.97	22.17	21.41
		RB1#3	22.15	22.41	21.54
		RB1#5	22.02	22.19	22.06
		RB3#0	22.31	22.17	22.19
		RB3#3	22.28	22.2	22.17
		RB6#0	21.14	21.61	21.08
3MHz	QPSK	RB1#0	22.68	23.20	23.10
		RB1#8	22.73	23.21	23.09
		RB1#14	23.26	23.15	23.12
		RB6#0	22.21	22.13	21.94
		RB6#9	22.22	22.10	22.03
		RB15#0	22.24	22.14	22.08
	16QAM	RB1#0	22.43	22.29	22.09
		RB1#8	22.42	22.29	22.06
		RB1#14	22.43	22.24	22.04
		RB6#0	21.34	21.17	20.98
		RB6#9	21.31	21.19	20.97
		RB15#0	21.36	21.18	21.18
5MHz	QPSK	RB1#0	23.26	22.95	22.99
		RB1#13	23.35	23.08	22.70
		RB1#24	23.26	22.94	22.64
		RB15#0	22.16	22.06	21.68
		RB15#10	22.21	21.96	21.77
		RB25#0	22.12	21.97	21.69
	16QAM	RB1#0	21.96	22.16	22.03
		RB1#13	21.95	22.25	22.14
		RB1#24	21.89	22.18	22.05
		RB15#0	21.22	21.27	21.10
		RB15#10	21.49	21.20	21.19
		RB25#0	21.22	21.23	21.14

10MHz	QPSK	RB1#0	23.04	22.90	22.61
		RB1#25	23.13	23.03	22.75
		RB1#49	22.97	22.84	22.67
		RB25#0	22.03	21.95	22.00
		RB25#25	22.15	22.31	21.93
		RB50#0	22.11	22.38	21.98
	16QAM	RB1#0	22.42	22.37	21.76
		RB1#25	22.67	22.49	21.87
		RB1#49	22.55	22.27	21.76
		RB25#0	21.13	21.20	21.06
		RB25#25	21.31	21.08	21.01
		RB50#0	21.18	21.14	21.03
15MHz	QPSK	RB1#0	22.90	22.77	22.58
		RB1#38	23.00	22.88	22.69
		RB1#74	22.78	22.73	22.64
		RB36#0	22.02	22.03	21.79
		RB36#39	22.13	21.84	21.75
		RB75#0	22.12	21.95	21.80
	16QAM	RB1#0	22.35	21.91	21.91
		RB1#38	22.64	22.00	22.04
		RB1#74	22.42	21.84	22.01
		RB36#0	21.05	21.29	21.25
		RB36#39	21.17	21.12	21.19
		RB75#0	21.14	21.19	21.18
20MHz	QPSK	RB1#0	22.76	22.67	22.42
		RB1#50	23.19	23.07	22.80
		RB1#99	22.70	22.61	22.46
		RB50#0	21.87	22.09	21.73
		RB50#50	22.15	21.90	21.58
		RB100#0	22.02	22.02	21.71
	16QAM	RB1#0	21.99	21.85	21.93
		RB1#50	22.93	22.19	22.26
		RB1#99	22.47	21.77	21.95
		RB50#0	21.28	21.34	21.25
		RB50#50	21.23	21.13	21.19
		RB100#0	21.13	21.28	21.25

PAR:

Test Modulation		Channel Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit (dB)
QPSK	1 RB	20 MHz	4.01	4.20	3.88	13.00
	100 RB		5.67	5.64	5.67	13.00
16QAM	1 RB	20 MHz	4.87	5.26	4.97	13.00
	100 RB		6.57	6.51	6.51	13.00

EIRP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
1.4MHz	QPSK	Low	23.78	-0.80	0.40	22.58	33.00
		Middle	23.25	-0.80	0.40	22.05	33.00
		High	22.94	-0.80	0.40	21.74	33.00
	16QAM	Low	22.31	-0.80	0.40	21.11	33.00
		Middle	22.41	-0.80	0.40	21.21	33.00
		High	22.19	-0.80	0.40	20.99	33.00
3MHz	QPSK	Low	23.26	-0.80	0.40	22.06	33.00
		Middle	23.21	-0.80	0.40	22.01	33.00
		High	23.12	-0.80	0.40	21.92	33.00
	16QAM	Low	22.43	-0.80	0.40	21.23	33.00
		Middle	22.29	-0.80	0.40	21.09	33.00
		High	22.09	-0.80	0.40	20.89	33.00
5MHz	QPSK	Low	23.35	-0.80	0.40	22.15	33.00
		Middle	23.08	-0.80	0.40	21.88	33.00
		High	22.99	-0.80	0.40	21.79	33.00
	16QAM	Low	21.96	-0.80	0.40	20.76	33.00
		Middle	22.25	-0.80	0.40	21.05	33.00
		High	22.14	-0.80	0.40	20.94	33.00
10MHz	QPSK	Low	23.13	-0.80	0.40	21.93	33.00
		Middle	23.03	-0.80	0.40	21.83	33.00
		High	22.75	-0.80	0.40	21.55	33.00
	16QAM	Low	22.67	-0.80	0.40	21.47	33.00
		Middle	22.49	-0.80	0.40	21.29	33.00
		High	21.87	-0.80	0.40	20.67	33.00
15MHz	QPSK	Low	23.00	-0.80	0.40	21.80	33.00
		Middle	22.88	-0.80	0.40	21.68	33.00
		High	22.69	-0.80	0.40	21.49	33.00
	16QAM	Low	22.64	-0.80	0.40	21.44	33.00
		Middle	22.00	-0.80	0.40	20.80	33.00
		High	22.04	-0.80	0.40	20.84	33.00
20MHz	QPSK	Low	23.19	-0.80	0.40	21.99	33.00
		Middle	23.07	-0.80	0.40	21.87	33.00
		High	22.80	-0.80	0.40	21.60	33.00
	16QAM	Low	22.93	-0.80	0.40	21.73	33.00
		Middle	22.19	-0.80	0.40	20.99	33.00
		High	22.26	-0.80	0.40	21.06	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	22.90	22.59	22.72
		RB1#3	23.10	22.76	22.97
		RB1#5	22.92	22.58	22.75
		RB3#0	22.96	22.66	22.79
		RB3#3	23.01	22.64	22.84
		RB6#0	21.98	21.63	21.82
	16QAM	RB1#0	21.90	21.63	21.71
		RB1#3	22.06	21.85	21.90
		RB1#5	21.88	21.64	21.75
		RB3#0	22.16	21.58	21.88
		RB3#3	22.19	21.60	21.91
		RB6#0	20.99	20.69	20.77
3MHz	QPSK	RB1#0	23.01	22.64	22.78
		RB1#8	22.97	22.65	22.80
		RB1#14	22.97	22.63	22.83
		RB6#0	21.95	21.59	21.70
		RB6#9	21.93	21.54	21.73
		RB15#0	21.93	21.61	21.73
	16QAM	RB1#0	22.49	21.77	21.79
		RB1#8	22.39	21.69	21.78
		RB1#14	22.43	21.74	21.79
		RB6#0	21.04	20.60	20.70
		RB6#9	21.00	20.67	20.74
		RB15#0	21.02	20.60	20.85
5MHz	QPSK	RB1#0	22.90	22.62	22.67
		RB1#13	23.00	22.64	22.82
		RB1#24	22.83	22.61	22.77
		RB15#0	21.96	21.66	21.79
		RB15#10	21.98	21.64	21.83
		RB25#0	21.91	21.60	21.76
	16QAM	RB1#0	21.78	21.84	21.72
		RB1#13	21.84	21.91	21.88
		RB1#24	21.73	21.78	21.81
		RB15#0	21.05	20.66	20.85
		RB15#10	21.02	20.60	20.88
		RB25#0	21.03	20.63	20.83
10MHz	QPSK	RB1#0	22.97	22.67	22.68
		RB1#25	23.04	22.83	22.89
		RB1#49	22.88	22.60	22.82
		RB25#0	21.95	21.72	21.75
		RB25#25	21.97	21.64	21.81
		RB50#0	21.99	21.70	21.80
	16QAM	RB1#0	22.44	21.78	21.66
		RB1#25	22.53	21.90	21.88
		RB1#49	22.38	21.73	21.76
		RB25#0	21.03	20.78	20.88
		RB25#25	21.05	20.66	20.93
		RB50#0	20.99	20.73	20.84

15MHz	QPSK	RB1#0	22.95	22.72	22.53
		RB1#38	22.97	22.72	22.76
		RB1#74	22.76	22.59	22.76
		RB36#0	22.00	21.85	22.22
		RB36#39	22.02	21.75	22.26
		RB75#0	22.01	21.79	21.83
	16QAM	RB1#0	22.42	21.77	22.08
		RB1#38	22.44	21.80	22.29
		RB1#74	22.25	21.67	22.28
		RB36#0	21.03	20.83	20.79
		RB36#39	21.03	20.76	20.90
		RB75#0	21.03	20.80	20.84
20MHz	QPSK	RB1#0	22.72	23.06	22.21
		RB1#50	23.06	22.78	22.70
		RB1#99	22.51	22.38	22.44
		RB50#0	21.86	21.63	21.55
		RB50#50	21.77	21.51	21.69
		RB100#0	21.78	21.58	21.61
	16QAM	RB1#0	21.82	21.63	21.74
		RB1#50	22.16	21.84	22.25
		RB1#99	21.61	21.49	21.99
		RB50#0	20.83	20.65	20.60
		RB50#50	20.80	20.54	20.71
		RB100#0	21.35	20.62	20.67

PAR:

Test Modulation		Channel Bandwidth	Low Channel PAR (dB)	Middle Channel PAR (dB)	High Channel PAR (dB)	Limit (dB)
QPSK	1 RB	20 MHz	4.26	4.23	4.52	13
	100 RB		5.51	5.45	5.54	13
16QAM	1 RB	20 MHz	5.42	5.10	5.42	13
	100 RB		6.31	6.28	6.38	13

EIRP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
1.4MHz	QPSK	Low	23.10	-1.00	0.40	21.70	30.00
		Middle	22.76	-1.00	0.40	21.36	30.00
		High	22.97	-1.00	0.40	21.57	30.00
	16QAM	Low	22.19	-1.00	0.40	20.79	30.00
		Middle	21.85	-1.00	0.40	20.45	30.00
		High	21.91	-1.00	0.40	20.51	30.00
3MHz	QPSK	Low	23.01	-1.00	0.40	21.61	30.00
		Middle	22.65	-1.00	0.40	21.25	30.00
		High	22.83	-1.00	0.40	21.43	30.00
	16QAM	Low	22.49	-1.00	0.40	21.09	30.00
		Middle	21.77	-1.00	0.40	20.37	30.00
		High	21.79	-1.00	0.40	20.39	30.00
5MHz	QPSK	Low	23.00	-1.00	0.40	21.60	30.00
		Middle	22.64	-1.00	0.40	21.24	30.00
		High	22.82	-1.00	0.40	21.42	30.00
	16QAM	Low	21.84	-1.00	0.40	20.44	30.00
		Middle	21.91	-1.00	0.40	20.51	30.00
		High	21.88	-1.00	0.40	20.48	30.00
10MHz	QPSK	Low	23.04	-1.00	0.40	21.64	30.00
		Middle	22.83	-1.00	0.40	21.43	30.00
		High	22.89	-1.00	0.40	21.49	30.00
	16QAM	Low	22.53	-1.00	0.40	21.13	30.00
		Middle	21.90	-1.00	0.40	20.50	30.00
		High	21.88	-1.00	0.40	20.48	30.00
15MHz	QPSK	Low	22.97	-1.00	0.40	21.57	30.00
		Middle	22.72	-1.00	0.40	21.32	30.00
		High	22.76	-1.00	0.40	21.36	30.00
	16QAM	Low	22.44	-1.00	0.40	21.04	30.00
		Middle	21.80	-1.00	0.40	20.40	30.00
		High	22.29	-1.00	0.40	20.89	30.00
20MHz	QPSK	Low	23.06	-1.00	0.40	21.66	30.00
		Middle	23.06	-1.00	0.40	21.66	30.00
		High	22.70	-1.00	0.40	21.30	30.00
	16QAM	Low	22.16	-1.00	0.40	20.76	30.00
		Middle	21.84	-1.00	0.40	20.44	30.00
		High	22.25	-1.00	0.40	20.85	30.00

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	22.86	22.84	23.46
		RB1#3	22.97	23.02	23.30
		RB1#5	22.88	22.84	23.15
		RB3#0	22.95	22.89	23.06
		RB3#3	22.95	23.03	23.16
		RB6#0	21.85	22.44	22.18
	16QAM	RB1#0	21.81	22.30	21.96
		RB1#3	21.99	22.52	22.18
		RB1#5	21.86	22.29	22.01
		RB3#0	22.14	22.14	22.10
		RB3#3	22.10	22.23	22.08
		RB6#0	21.3	21.73	21.37
3MHz	QPSK	RB1#0	23.40	22.95	23.28
		RB1#8	22.87	23.02	23.14
		RB1#14	22.87	23.05	23.21
		RB6#0	22.10	22.38	22.00
		RB6#9	21.88	22.40	22.05
		RB15#0	22.03	22.36	22.08
	16QAM	RB1#0	22.48	22.29	22.05
		RB1#8	22.48	22.30	22.00
		RB1#14	22.38	22.38	22.06
		RB6#0	21.45	21.35	21.14
		RB6#9	21.19	21.45	21.03
		RB15#0	21.37	21.36	21.19
5MHz	QPSK	RB1#0	23.22	22.83	22.94
		RB1#13	22.93	22.95	23.10
		RB1#24	22.79	22.98	23.09
		RB15#0	21.96	22.24	22.09
		RB15#10	21.87	22.29	22.08
		RB25#0	21.90	22.17	22.01
	16QAM	RB1#0	21.70	21.97	21.99
		RB1#13	21.79	22.38	22.08
		RB1#24	21.70	22.16	22.02
		RB15#0	21.34	21.32	21.21
		RB15#10	21.38	21.43	21.12
		RB25#0	21.02	21.37	21.09
10MHz	QPSK	RB1#0	22.96	22.84	22.99
		RB1#25	23.04	23.06	23.23
		RB1#49	22.94	23.02	23.21
		RB25#0	21.97	21.96	22.07
		RB25#25	21.91	22.29	22.07
		RB50#0	21.92	22.24	22.11
	16QAM	RB1#0	22.41	21.93	21.94
		RB1#25	22.56	22.15	22.18
		RB1#49	22.27	22.07	22.08
		RB25#0	21.11	21.08	21.29
		RB25#25	21.16	21.52	21.38
		RB50#0	21.10	21.42	21.19

PAR:

Test Modulation		Channel Bandwidth	Low Channel PAR (dB)	Middle Channel PAR (dB)	High Channel PAR (dB)	Limit (dB)
QPSK	1 RB	10 MHz	5.16	3.33	4.55	13
	50 RB		5.42	5.42	5.48	13
16QAM	1 RB	10 MHz	5.90	4.55	5.74	13
	50 RB		6.35	6.25	6.47	13

ERP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
1.4MHz	QPSK	Low	22.97	-4.35	0.40	18.22	38.45
		Middle	23.03	-4.35	0.40	18.28	38.45
		High	23.46	-4.35	0.40	18.71	38.45
	16QAM	Low	22.14	-4.35	0.40	17.39	38.45
		Middle	22.52	-4.35	0.40	17.77	38.45
		High	22.18	-4.35	0.40	17.43	38.45
3MHz	QPSK	Low	23.40	-4.35	0.40	18.65	38.45
		Middle	23.05	-4.35	0.40	18.30	38.45
		High	23.58	-4.35	0.40	18.83	38.45
	16QAM	Low	22.48	-4.35	0.40	17.73	38.45
		Middle	22.38	-4.35	0.40	17.63	38.45
		High	22.06	-4.35	0.40	17.31	38.45
5MHz	QPSK	Low	23.22	-4.35	0.40	18.47	38.45
		Middle	22.98	-4.35	0.40	18.23	38.45
		High	23.10	-4.35	0.40	18.35	38.45
	16QAM	Low	21.79	-4.35	0.40	17.04	38.45
		Middle	22.38	-4.35	0.40	17.63	38.45
		High	22.08	-4.35	0.40	17.33	38.45
10MHz	QPSK	Low	23.04	-4.35	0.40	18.29	38.45
		Middle	23.06	-4.35	0.40	18.31	38.45
		High	23.23	-4.35	0.40	18.48	38.45
	16QAM	Low	22.56	-4.35	0.40	17.81	38.45
		Middle	22.15	-4.35	0.40	17.40	38.45
		High	22.18	-4.35	0.40	17.43	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	23.42	23.20	23.21
		RB1#3	23.36	23.38	23.41
		RB1#5	23.24	23.23	23.21
		RB3#0	23.35	23.29	23.33
		RB3#3	23.33	23.30	23.29
		RB6#0	22.32	22.29	22.28
	16QAM	RB1#0	22.20	22.37	22.20
		RB1#3	22.39	22.53	22.38
		RB1#5	22.24	22.35	22.23
		RB3#0	22.51	22.31	22.40
		RB3#3	22.55	22.32	22.37
		RB6#0	21.29	21.28	21.17
3MHz	QPSK	RB1#0	23.33	23.30	23.33
		RB1#8	23.28	23.30	23.34
		RB1#14	23.31	23.27	23.32
		RB6#0	22.23	22.25	22.24
		RB6#9	22.29	22.20	22.24
		RB15#0	22.33	22.30	22.29
	16QAM	RB1#0	22.85	22.38	22.29
		RB1#8	22.84	22.44	22.27
		RB1#14	22.81	22.40	22.27
		RB6#0	21.30	21.24	21.15
		RB6#9	21.32	21.21	21.15
		RB15#0	21.38	21.29	21.30
5MHz	QPSK	RB1#0	23.20	23.13	23.17
		RB1#13	23.37	23.32	23.30
		RB1#24	23.24	23.26	23.16
		RB15#0	22.30	22.30	22.30
		RB15#10	22.41	22.23	22.30
		RB25#0	22.34	22.23	22.28
	16QAM	RB1#0	22.11	22.26	22.07
		RB1#13	22.24	22.35	22.15
		RB1#24	22.13	22.29	22.05
		RB15#0	21.33	21.34	21.32
		RB15#10	21.42	21.24	21.31
		RB25#0	21.81	21.23	21.31
10MHz	QPSK	RB1#0	23.25	23.23	23.27
		RB1#25	23.46	23.43	23.46
		RB1#49	23.32	23.40	23.35
		RB25#0	22.20	22.28	22.44
		RB25#25	22.36	22.26	22.36
		RB50#0	22.26	22.31	22.44
	16QAM	RB1#0	22.79	22.34	22.29
		RB1#25	22.97	22.55	22.47
		RB1#49	22.90	22.50	22.32
		RB25#0	21.23	21.28	21.53
		RB25#25	21.39	21.29	21.43
		RB50#0	21.26	21.30	21.44

PAR, Band 12

Test Modulation		Channel Bandwidth	Low Channel PAR (dB)	Middle Channel PAR (dB)	High Channel PAR (dB)	Limit (dB)
QPSK	1 RB	10 MHz	4.87	4.68	4.90	13
	50 RB		5.64	5.51	5.64	13
16QAM	1 RB	10 MHz	5.93	5.64	5.61	13
	50 RB		6.51	6.47	6.54	13

ERP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
1.4MHz	QPSK	Low	23.42	-3.35	0.40	19.67	34.77
		Middle	23.38	-3.35	0.40	19.63	34.77
		High	23.41	-3.35	0.40	19.66	34.77
	16QAM	Low	22.55	-3.35	0.40	18.80	34.77
		Middle	22.53	-3.35	0.40	18.78	34.77
		High	22.40	-3.35	0.40	18.65	34.77
3MHz	QPSK	Low	23.33	-3.35	0.40	19.58	34.77
		Middle	23.30	-3.35	0.40	19.55	34.77
		High	23.34	-3.35	0.40	19.59	34.77
	16QAM	Low	22.85	-3.35	0.40	19.10	34.77
		Middle	22.44	-3.35	0.40	18.69	34.77
		High	22.29	-3.35	0.40	18.54	34.77
5MHz	QPSK	Low	23.37	-3.35	0.40	19.62	34.77
		Middle	23.32	-3.35	0.40	19.57	34.77
		High	23.30	-3.35	0.40	19.55	34.77
	16QAM	Low	22.24	-3.35	0.40	18.49	34.77
		Middle	22.35	-3.35	0.40	18.60	34.77
		High	22.15	-3.35	0.40	18.40	34.77
10MHz	QPSK	Low	23.46	-3.35	0.40	19.71	34.77
		Middle	23.43	-3.35	0.40	19.68	34.77
		High	23.46	-3.35	0.40	19.71	34.77
	16QAM	Low	22.97	-3.35	0.40	19.22	34.77
		Middle	22.55	-3.35	0.40	18.80	34.77
		High	22.47	-3.35	0.40	18.72	34.77

LTE Band 13

Conducted Output Power:

Channel Bandwidth	Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5 MHz	QPSK	RB1#0	22.84	22.80	22.85
		RB1#13	22.95	23.00	22.98
		RB1#24	22.84	22.91	22.97
		RB15#0	22.02	22.06	22.10
		RB15#10	22.00	22.09	22.11
		RB25#0	21.94	22.08	22.10
	16QAM	RB1#0	21.97	22.37	22.20
		RB1#13	22.14	22.60	22.37
		RB1#24	22.05	22.53	22.31
		RB15#0	21.27	21.26	21.32
		RB15#10	21.22	21.25	21.34
		RB25#0	21.21	21.29	21.34
10 MHz	QPSK	RB1#0	/	22.87	/
		RB1#25	/	23.03	/
		RB1#49	/	23.06	/
		RB25#0	/	22.07	/
		RB25#25	/	22.14	/
		RB50#0	/	22.11	/
	16QAM	RB1#0	/	22.45	/
		RB1#25	/	22.68	/
		RB1#49	/	22.70	/
		RB25#0	/	21.64	/
		RB25#25	/	21.67	/
		RB50#0	/	21.62	/

PAR:

Test Modulation		Channel Bandwidth	Low Channel PAR (dB)	Middle Channel PAR (dB)	High Channel PAR (dB)	Limit (dB)
QPSK	1 RB	10 MHz	/	4.42	/	13
	50RB		/	5.64	/	13
16QAM	1 RB	10 MHz	/	5.22	/	13
	50 RB		/	6.54	/	13

ERP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
5MHz	QPSK	Low	22.95	-3.95	0.40	18.60	34.77
		Middle	23.00	-3.95	0.40	18.65	34.77
		High	22.98	-3.95	0.40	18.63	34.77
	16QAM	Low	21.94	-3.95	0.40	17.59	34.77
		Middle	22.40	-3.95	0.40	18.05	34.77
		High	22.17	-3.95	0.40	17.82	34.77
10MHz	QPSK	Middle	23.06	-3.95	0.40	18.71	34.77
	16QAM	Middle	22.70	-3.95	0.40	18.35	34.77

LTE Band 25

Conducted Output Power:

Channel Bandwidth	Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4MHz	QPSK	RB1#0	23.29	22.89	22.74
		RB1#3	23.22	23.05	22.92
		RB1#5	23.04	22.92	22.80
		RB3#0	23.13	22.96	22.70
		RB3#3	23.15	22.99	22.70
		RB6#0	22.11	21.91	21.80
	16QAM	RB1#0	22.42	22.41	22.19
		RB1#3	22.55	22.52	22.38
		RB1#5	22.47	22.39	22.20
		RB3#0	22.72	22.37	22.30
		RB3#3	22.74	22.40	22.25
		RB6#0	21.56	21.44	21.27
3MHz	QPSK	RB1#0	23.13	22.94	22.82
		RB1#8	23.11	22.96	22.87
		RB1#14	23.10	22.95	22.85
		RB6#0	22.10	21.93	21.73
		RB6#9	22.11	21.87	21.74
		RB15#0	22.13	21.94	21.70
	16QAM	RB1#0	22.63	22.48	22.18
		RB1#8	22.60	22.49	22.17
		RB1#14	22.62	22.45	22.15
		RB6#0	21.19	21.36	21.15
		RB6#9	21.20	21.37	21.12
		RB15#0	21.27	21.39	21.23
5MHz	QPSK	RB1#0	23.13	22.86	22.82
		RB1#13	23.21	23.00	23.02
		RB1#24	23.09	22.88	22.90
		RB15#0	22.19	22.01	22.10
		RB15#10	22.16	21.94	22.04
		RB25#0	22.16	21.96	22.03
	16QAM	RB1#0	21.87	22.17	22.08
		RB1#13	22.09	22.27	22.14
		RB1#24	21.94	22.16	22.01
		RB15#0	21.25	21.02	21.16
		RB15#10	21.30	21.00	21.05
		RB25#0	21.25	21.00	21.06

10MHz	QPSK	RB1#0	23.14	22.97	22.74
		RB1#25	23.12	23.10	22.94
		RB1#49	23.08	22.90	22.82
		RB25#0	22.19	22.07	21.93
		RB25#25	22.34	21.98	21.98
		RB50#0	22.30	22.07	21.98
	16QAM	RB1#0	22.57	22.09	21.93
		RB1#25	22.86	22.23	22.11
		RB1#49	22.69	22.05	21.84
		RB25#0	21.31	21.14	21.13
		RB25#25	21.47	21.11	21.08
		RB50#0	21.37	21.13	21.05
15MHz	QPSK	RB1#0	22.98	22.88	22.71
		RB1#38	23.17	23.03	22.76
		RB1#74	22.94	22.85	22.76
		RB36#0	22.15	22.06	21.95
		RB36#39	22.29	22.03	21.90
		RB75#0	22.28	22.06	22.01
	16QAM	RB1#0	22.21	22.04	22.18
		RB1#38	22.45	22.14	22.41
		RB1#74	22.25	21.95	22.07
		RB36#0	21.29	21.18	21.16
		RB36#39	21.07	21.11	21.18
		RB75#0	21.12	21.11	21.15
20MHz	QPSK	RB1#0	22.84	22.73	22.46
		RB1#50	23.04	23.15	22.95
		RB1#99	22.81	22.68	22.48
		RB50#0	22.04	22.16	22.06
		RB50#50	22.33	22.12	21.97
		RB100#0	22.46	22.13	22.03
	16QAM	RB1#0	22.11	21.90	21.97
		RB1#50	22.63	22.35	22.45
		RB1#99	22.19	21.87	21.87
		RB50#0	21.10	21.22	21.10
		RB50#50	21.56	21.16	21.02
		RB100#0	21.56	21.16	21.09

PAR:

Test Modulation		Channel Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit (dB)
QPSK	1 RB	20 MHz	4.20	4.74	4.74	13 .00
	100 RB		5.71	5.71	5.58	13.00
16QAM	1 RB	20 MHz	5.38	5.54	5.71	13.00
	100 RB		6.57	6.57	6.44	13.00

EIRP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
1.4MHz	QPSK	Low	23.29	-1.20	0.40	21.69	33.00
		Middle	23.05	-1.20	0.40	21.45	33.00
		High	22.92	-1.20	0.40	21.32	33.00
	16QAM	Low	22.74	-1.20	0.40	21.14	33.00
		Middle	22.52	-1.20	0.40	20.92	33.00
		High	22.38	-1.20	0.40	20.78	33.00
3MHz	QPSK	Low	23.13	-1.20	0.40	21.53	33.00
		Middle	22.96	-1.20	0.40	21.36	33.00
		High	22.87	-1.20	0.40	21.27	33.00
	16QAM	Low	22.63	-1.20	0.40	21.03	33.00
		Middle	22.49	-1.20	0.40	20.89	33.00
		High	22.18	-1.20	0.40	20.58	33.00
5MHz	QPSK	Low	23.21	-1.20	0.40	21.61	33.00
		Middle	23.00	-1.20	0.40	21.40	33.00
		High	23.02	-1.20	0.40	21.42	33.00
	16QAM	Low	22.09	-1.20	0.40	20.49	33.00
		Middle	22.27	-1.20	0.40	20.67	33.00
		High	22.14	-1.20	0.40	20.54	33.00
10MHz	QPSK	Low	23.14	-1.20	0.40	21.54	33.00
		Middle	23.10	-1.20	0.40	21.50	33.00
		High	22.94	-1.20	0.40	21.34	33.00
	16QAM	Low	22.86	-1.20	0.40	21.26	33.00
		Middle	22.23	-1.20	0.40	20.63	33.00
		High	22.11	-1.20	0.40	20.51	33.00
15MHz	QPSK	Low	23.17	-1.20	0.40	21.57	33.00
		Middle	23.03	-1.20	0.40	21.43	33.00
		High	22.76	-1.20	0.40	21.16	33.00
	16QAM	Low	22.45	-1.20	0.40	20.85	33.00
		Middle	22.14	-1.20	0.40	20.54	33.00
		High	22.41	-1.20	0.40	20.81	33.00
20MHz	QPSK	Low	23.04	-1.20	0.40	21.44	33.00
		Middle	23.15	-1.20	0.40	21.55	33.00
		High	22.95	-1.20	0.40	21.35	33.00
	16QAM	Low	22.63	-1.20	0.40	21.03	33.00
		Middle	22.35	-1.20	0.40	20.75	33.00
		High	22.45	-1.20	0.40	20.85	33.00

LTE Band 26

Conducted Output Power:

Channel Bandwidth	Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4MHz	QPSK	RB1#0	23.22	22.84	23.36
		RB1#3	23.33	23.05	23.44
		RB1#5	23.14	22.88	23.16
		RB3#0	23.18	22.89	23.13
		RB3#3	23.08	22.86	23.17
		RB6#0	22.58	22.30	22.59
	16QAM	RB1#0	22.05	21.94	22.02
		RB1#3	22.17	22.06	22.26
		RB1#5	22.03	21.90	22.09
		RB3#0	22.26	21.80	22.13
		RB3#3	22.23	21.97	22.12
		RB6#0	21.58	21.58	21.54
3MHz	QPSK	RB1#0	22.93	23.07	22.97
		RB1#8	23.02	22.89	22.99
		RB1#14	22.95	22.72	23.00
		RB6#0	22.21	22.21	22.07
		RB6#9	22.22	22.07	22.08
		RB15#0	22.28	22.15	22.09
	16QAM	RB1#0	22.65	22.04	22.08
		RB1#8	22.50	21.99	22.10
		RB1#14	22.66	22.06	22.12
		RB6#0	21.66	21.42	21.16
		RB6#9	21.62	21.38	21.44
		RB15#0	21.70	21.37	21.45
5MHz	QPSK	RB1#0	23.15	23.28	22.88
		RB1#13	22.88	23.05	23.06
		RB1#24	22.85	23.00	23.03
		RB15#0	22.09	22.01	22.05
		RB15#10	22.08	22.02	22.03
		RB25#0	21.82	22.24	22.03
	16QAM	RB1#0	21.62	22.16	21.92
		RB1#13	21.77	22.09	22.03
		RB1#24	21.76	22.30	21.98
		RB15#0	21.10	21.41	21.11
		RB15#10	21.17	21.05	21.01
		RB25#0	21.08	21.03	21.00
10MHz	QPSK	RB1#0	23.22	22.83	22.86
		RB1#25	23.21	23.00	23.11
		RB1#49	22.97	22.86	23.20
		RB25#0	21.97	21.85	22.07
		RB25#25	22.06	21.84	22.04
		RB50#0	22.02	21.82	22.06
	16QAM	RB1#0	22.52	21.96	21.81
		RB1#25	22.61	22.04	22.17
		RB1#49	22.56	21.87	22.02
		RB25#0	21.04	21.15	21.26
		RB25#25	21.15	21.09	21.19
		RB50#0	21.10	21.14	21.14

15MHz	QPSK	RB1#0	23.15	22.78	22.75
		RB1#38	22.96	22.93	22.98
		RB1#74	22.83	22.80	23.07
		RB36#0	22.09	21.87	21.95
		RB36#39	21.93	22.01	22.08
		RB75#0	21.98	21.96	22.04
	16QAM	RB1#0	22.40	21.92	21.85
		RB1#38	22.56	21.93	22.40
		RB1#74	22.33	21.94	22.25
		RB36#0	21.11	20.99	21.00
		RB36#39	21.06	20.99	21.13
		RB75#0	21.04	20.99	21.06

PAR:

Test Modulation		Channel Bandwidth	Low Channel PAR (dB)	Middle Channel PAR (dB)	High Channel PAR (dB)	Limit (dB)
QPSK	1 RB	15 MHz	3.46	5.42	4.74	13
	75 RB		5.45	5.35	5.54	13
16QAM	1 RB	15 MHz	4.52	6.51	5.54	13
	75 RB		6.31	6.25	6.47	13

ERP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
1.4MHz	QPSK	Low	23.33	-2.95	0.40	19.98	38.45
		Middle	23.05	-2.95	0.40	19.70	38.45
		High	23.44	-2.95	0.40	20.09	38.45
	16QAM	Low	22.26	-2.95	0.40	18.91	38.45
		Middle	22.06	-2.95	0.40	18.71	38.45
		High	22.26	-2.95	0.40	18.91	38.45
3MHz	QPSK	Low	23.02	-2.95	0.40	19.67	38.45
		Middle	23.07	-2.95	0.40	19.72	38.45
		High	23.00	-2.95	0.40	19.65	38.45
	16QAM	Low	22.66	-2.95	0.40	19.31	38.45
		Middle	22.06	-2.95	0.40	18.71	38.45
		High	22.12	-2.95	0.40	18.77	38.45
5MHz	QPSK	Low	23.15	-2.95	0.40	19.80	38.45
		Middle	23.28	-2.95	0.40	19.93	38.45
		High	23.06	-2.95	0.40	19.71	38.45
	16QAM	Low	21.77	-2.95	0.40	18.42	38.45
		Middle	22.30	-2.95	0.40	18.95	38.45
		High	22.03	-2.95	0.40	18.68	38.45
10MHz	QPSK	Low	23.22	-2.95	0.40	19.87	38.45
		Middle	23.00	-2.95	0.40	19.65	38.45
		High	23.20	-2.95	0.40	19.85	38.45
	16QAM	Low	22.61	-2.95	0.40	19.26	38.45
		Middle	22.04	-2.95	0.40	18.69	38.45
		High	22.17	-2.95	0.40	18.82	38.45
15MHz	QPSK	Low	23.15	-2.95	0.40	19.80	38.45
		Middle	22.93	-2.95	0.40	19.58	38.45
		High	23.07	-2.95	0.40	19.72	38.45
	16QAM	Low	22.56	-2.95	0.40	19.21	38.45
		Middle	21.94	-2.95	0.40	18.59	38.45
		High	22.40	-2.95	0.40	19.05	38.45

LTE Band 41

Conducted Output Power:

Channel Bandwidth	Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5 MHz	QPSK	RB1#0	22.84	22.95	22.37
		RB1#13	22.99	23.08	22.50
		RB1#24	22.90	22.90	22.33
		RB15#0	21.94	22.02	21.42
		RB15#10	21.97	21.95	21.44
		RB25#0	21.95	21.98	21.42
	16QAM	RB1#0	21.85	22.17	21.39
		RB1#13	22.02	22.28	21.49
		RB1#24	21.91	22.14	21.33
		RB15#0	21.44	21.57	21.37
		RB15#10	21.48	21.51	21.38
		RB25#0	21.50	21.44	21.44
10 MHz	QPSK	RB1#0	22.84	23.12	22.54
		RB1#25	23.20	23.31	22.81
		RB1#49	22.96	22.97	22.47
		RB25#0	21.94	22.08	21.52
		RB25#25	22.00	21.95	21.50
		RB50#0	21.96	22.02	21.52
	16QAM	RB1#0	22.04	21.98	21.65
		RB1#25	22.37	22.18	21.88
		RB1#49	22.14	21.86	21.85
		RB25#0	21.62	21.83	21.24
		RB25#25	21.69	21.71	21.24
		RB50#0	21.64	21.74	21.29
15 MHz	QPSK	RB1#0	22.99	22.65	22.96
		RB1#38	23.01	22.62	22.97
		RB1#74	22.98	22.38	22.65
		RB36#0	22.05	22.08	21.95
		RB36#39	22.09	21.88	21.85
		RB75#0	22.10	22.01	21.83
	16QAM	RB1#0	22.37	22.15	22.35
		RB1#38	22.46	22.07	22.37
		RB1#74	22.33	21.83	22.04
		RB36#0	21.49	21.63	21.48
		RB36#39	21.52	21.40	21.34
		RB75#0	21.54	21.45	21.35
20MHz	QPSK	RB1#0	22.71	22.51	22.34
		RB1#50	22.64	22.82	22.72
		RB1#99	22.74	22.15	22.00
		RB50#0	21.93	21.73	21.40
		RB50#50	22.01	21.42	21.27
		RB100#0	21.97	21.58	21.34
	16QAM	RB1#0	21.74	21.50	21.56
		RB1#50	22.30	21.82	21.93
		RB1#99	21.78	21.11	21.22
		RB50#0	20.90	21.28	20.91
		RB50#50	20.99	20.97	20.79
		RB100#0	20.96	21.08	20.82

PAR:

Test Modulation		Channel Bandwidth	Low Channel PAR (dB)	Middle Channel PAR (dB)	High Channel PAR (dB)	Limit (dB)
QPSK	1 RB	20 MHz	7.15	7.05	6.63	13
	100 RB		7.44	7.40	7.50	13
16QAM	1 RB	20 MHz	7.63	7.82	7.40	13
	100 RB		8.30	8.33	8.27	13

EIRP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
5MHz	QPSK	Low	22.99	-1.10	0.40	21.49	33.00
		Middle	23.08	-1.10	0.40	21.58	33.00
		High	22.50	-1.10	0.40	21.00	33.00
	16QAM	Low	22.02	-1.10	0.40	20.52	33.00
		Middle	22.28	-1.10	0.40	20.78	33.00
		High	21.49	-1.10	0.40	19.99	33.00
10MHz	QPSK	Low	23.20	-1.10	0.40	21.70	33.00
		Middle	23.31	-1.10	0.40	21.81	33.00
		High	22.81	-1.10	0.40	21.31	33.00
	16QAM	Low	22.37	-1.10	0.40	20.87	33.00
		Middle	22.18	-1.10	0.40	20.68	33.00
		High	21.88	-1.10	0.40	20.38	33.00
15MHz	QPSK	Low	23.01	-1.10	0.40	21.51	33.00
		Middle	22.65	-1.10	0.40	21.15	33.00
		High	22.97	-1.10	0.40	21.47	33.00
	16QAM	Low	22.46	-1.10	0.40	20.96	33.00
		Middle	22.15	-1.10	0.40	20.65	33.00
		High	22.37	-1.10	0.40	20.87	33.00
20MHz	QPSK	Low	22.74	-1.10	0.40	21.24	33.00
		Middle	22.82	-1.10	0.40	21.32	33.00
		High	22.72	-1.10	0.40	21.22	33.00
	16QAM	Low	22.30	-1.10	0.40	20.80	33.00
		Middle	21.82	-1.10	0.40	20.32	33.00
		High	21.93	-1.10	0.40	20.43	33.00

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	23.75	23.78	23.94
		RB1#3	23.91	23.88	23.82
		RB1#5	23.80	23.82	23.92
		RB3#0	23.81	23.88	23.85
		RB3#3	23.76	23.87	23.86
		RB6#0	22.86	22.89	23.02
	16QAM	RB1#0	22.85	22.75	22.76
		RB1#3	22.92	22.97	22.93
		RB1#5	22.82	22.79	22.76
		RB3#0	22.74	22.96	22.92
		RB3#3	22.77	22.90	22.92
		RB6#0	22.08	21.97	22.09
3MHz	QPSK	RB1#0	23.92	23.93	23.85
		RB1#8	23.87	23.88	23.88
		RB1#14	23.95	23.90	23.93
		RB6#0	22.81	22.84	22.98
		RB6#9	22.84	22.84	23.02
		RB15#0	22.83	22.87	22.94
	16QAM	RB1#0	23.31	23.00	22.95
		RB1#8	23.28	22.97	22.91
		RB1#14	23.31	22.98	22.87
		RB6#0	21.89	21.89	21.87
		RB6#9	21.89	21.97	21.88
		RB15#0	21.92	21.86	22.00
5MHz	QPSK	RB1#0	23.77	23.86	23.86
		RB1#13	23.95	23.93	23.98
		RB1#24	23.88	23.82	23.95
		RB15#0	22.86	22.88	22.98
		RB15#10	22.93	22.89	22.94
		RB25#0	22.85	22.85	22.92
	16QAM	RB1#0	22.59	23.08	22.84
		RB1#13	22.74	23.15	22.95
		RB1#24	22.64	23.06	22.87
		RB15#0	22.07	22.09	22.23
		RB15#10	22.14	22.10	22.15
		RB25#0	22.06	22.05	22.12
10MHz	QPSK	RB1#0	23.62	23.73	23.68
		RB1#25	23.91	23.81	23.88
		RB1#49	23.78	23.68	23.86
		RB25#0	22.64	22.72	22.71
		RB25#25	22.74	22.72	22.71
		RB50#0	22.69	22.72	22.76
	16QAM	RB1#0	23.26	23.00	22.90
		RB1#25	23.45	23.13	23.05
		RB1#49	23.34	22.91	22.86
		RB25#0	22.07	22.17	22.05
		RB25#25	22.17	22.12	22.06
		RB50#0	22.13	22.12	22.02

15MHz	QPSK	RB1#0	23.76	23.85	23.90
		RB1#38	23.98	23.92	24.02
		RB1#74	23.92	23.81	24.02
		RB36#0	22.93	23.47	23.41
		RB36#39	23.09	23.57	23.57
		RB75#0	23.04	23.57	23.54
	16QAM	RB1#0	23.22	23.46	23.64
		RB1#38	23.37	23.58	23.69
		RB1#74	23.38	23.46	23.58
		RB36#0	22.10	22.53	22.56
		RB36#39	22.05	22.60	22.61
		RB75#0	22.01	22.57	22.52
20MHz	QPSK	RB1#0	24.21	24.23	24.11
		RB1#50	24.16	24.28	24.15
		RB1#99	24.18	23.96	23.73
		RB50#0	23.22	23.39	22.99
		RB50#50	23.42	23.46	22.93
		RB100#0	23.41	23.44	22.98
	16QAM	RB1#0	23.27	23.30	23.13
		RB1#50	23.84	23.72	23.68
		RB1#99	23.56	23.19	23.09
		RB50#0	22.38	22.39	22.47
		RB50#50	22.50	22.48	22.42
		RB100#0	22.48	22.46	22.23

PAR:

Test Modulation		Channel Bandwidth	Low Channel PAR (dB)	Middle Channel PAR (dB)	High Channel PAR (dB)	Limit (dB)
QPSK	1 RB	20 MHz	4.52	4.84	4.97	13
	100 RB		5.48	5.58	5.54	13
16QAM	1 RB	20 MHz	5.83	5.58	5.77	13
	100 RB		6.35	6.47	6.41	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	-1.30	0.40	22.21	30.00
		Middle	23.88	-1.30	0.40	22.18	30.00
		High	23.94	-1.30	0.40	22.24	30.00
	16QAM	Low	22.92	-1.30	0.40	21.22	30.00
		Middle	22.97	-1.30	0.40	21.27	30.00
		High	22.93	-1.30	0.40	21.23	30.00
3MHz	QPSK	Low	23.95	-1.30	0.40	22.25	30.00
		Middle	23.93	-1.30	0.40	22.23	30.00
		High	23.93	-1.30	0.40	22.23	30.00
	16QAM	Low	23.31	-1.30	0.40	21.61	30.00
		Middle	23.00	-1.30	0.40	21.30	30.00
		High	22.95	-1.30	0.40	21.25	30.00
5MHz	QPSK	Low	23.95	-1.30	0.40	22.25	30.00
		Middle	23.93	-1.30	0.40	22.23	30.00
		High	23.98	-1.30	0.40	22.28	30.00
	16QAM	Low	22.74	-1.30	0.40	21.04	30.00
		Middle	23.15	-1.30	0.40	21.45	30.00
		High	22.95	-1.30	0.40	21.25	30.00
10MHz	QPSK	Low	23.91	-1.30	0.40	22.21	30.00
		Middle	23.81	-1.30	0.40	22.11	30.00
		High	23.88	-1.30	0.40	22.18	30.00
	16QAM	Low	23.45	-1.30	0.40	21.75	30.00
		Middle	23.13	-1.30	0.40	21.43	30.00
		High	23.05	-1.30	0.40	21.35	30.00
15MHz	QPSK	Low	23.98	-1.30	0.40	22.28	30.00
		Middle	23.92	-1.30	0.40	22.22	30.00
		High	24.02	-1.30	0.40	22.32	30.00
	16QAM	Low	23.38	-1.30	0.40	21.68	30.00
		Middle	23.58	-1.30	0.40	21.88	30.00
		High	23.69	-1.30	0.40	21.99	30.00
20MHz	QPSK	Low	24.21	-1.30	0.40	22.51	30.00
		Middle	24.28	-1.30	0.40	22.58	30.00
		High	24.15	-1.30	0.40	22.45	30.00
	16QAM	Low	23.84	-1.30	0.40	22.14	30.00
		Middle	23.72	-1.30	0.40	22.02	30.00
		High	23.68	-1.30	0.40	21.98	30.00

LTE Band 71

Conducted Output Power:

Channel Bandwidth	Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5 MHz	QPSK	RB1#0	23.24	23.12	23.12
		RB1#13	23.28	23.23	23.21
		RB1#24	23.28	23.11	23.12
		RB15#0	22.56	22.23	22.23
		RB15#10	22.61	22.25	22.21
		RB25#0	22.57	22.21	22.22
	16QAM	RB1#0	22.35	22.19	21.99
		RB1#13	22.38	22.24	22.08
		RB1#24	22.37	22.15	22.02
		RB15#0	21.65	21.39	21.44
		RB15#10	21.75	21.49	21.50
		RB25#0	21.68	21.41	21.46
10 MHz	QPSK	RB1#0	23.59	23.64	23.51
		RB1#25	23.74	23.83	23.72
		RB1#49	23.56	23.62	23.57
		RB25#0	22.78	22.79	22.82
		RB25#25	23.00	22.78	22.74
		RB50#0	22.99	22.80	22.72
	16QAM	RB1#0	22.94	22.84	22.71
		RB1#25	22.63	22.93	22.98
		RB1#49	22.97	22.73	22.88
		RB25#0	22.12	22.04	22.06
		RB25#25	22.25	22.00	21.93
		RB50#0	22.19	21.98	21.92
15 MHz	QPSK	RB1#0	23.13	23.14	22.93
		RB1#38	23.16	23.17	23.17
		RB1#74	23.06	23.09	23.13
		RB36#0	22.38	22.34	22.07
		RB36#39	22.35	22.41	22.17
		RB75#0	22.31	22.49	22.14
	16QAM	RB1#0	22.86	23.21	22.05
		RB1#38	22.93	23.25	22.26
		RB1#74	22.83	23.17	22.21
		RB36#0	22.00	22.42	21.68
		RB36#39	21.98	22.41	21.76
		RB75#0	21.96	22.22	21.76
20MHz	QPSK	RB1#0	23.12	23.15	23.14
		RB1#50	23.09	23.12	23.14
		RB1#99	23.04	22.90	23.06
		RB50#0	22.13	22.12	22.34
		RB50#50	22.21	22.12	22.39
		RB100#0	22.15	22.13	22.34
	16QAM	RB1#0	22.62	22.50	22.62
		RB1#50	22.44	22.67	22.97
		RB1#99	22.92	22.42	22.79
		RB50#0	21.75	21.42	21.66
		RB50#50	21.59	21.79	21.66
		RB100#0	21.62	21.40	21.71

PAR:

Test Modulation		Channel Bandwidth	Low Channel PAR (dB)	Middle Channel PAR (dB)	High Channel PAR (dB)	Limit (dB)
QPSK	1 RB	20 MHz	4.36	5.22	4.97	13
	100 RB		5.64	5.64	5.67	13
16QAM	1 RB	20 MHz	5.42	6.09	5.67	13
	100 RB		6.76	6.63	6.57	13

EIRP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
5MHz	QPSK	Low	23.28	-4.65	0.40	18.23	34.77
		Middle	23.23	-4.65	0.40	18.18	34.77
		High	23.21	-4.65	0.40	18.16	34.77
	16QAM	Low	22.38	-4.65	0.40	17.33	34.77
		Middle	22.24	-4.65	0.40	17.19	34.77
		High	22.08	-4.65	0.40	17.03	34.77
10MHz	QPSK	Low	23.74	-4.65	0.40	18.69	34.77
		Middle	23.83	-4.65	0.40	18.78	34.77
		High	23.72	-4.65	0.40	18.67	34.77
	16QAM	Low	22.97	-4.65	0.40	17.92	34.77
		Middle	22.93	-4.65	0.40	17.88	34.77
		High	22.98	-4.65	0.40	17.93	34.77
15MHz	QPSK	Low	23.16	-4.65	0.40	18.11	34.77
		Middle	23.17	-4.65	0.40	18.12	34.77
		High	23.17	-4.65	0.40	18.12	34.77
	16QAM	Low	22.93	-4.65	0.40	17.88	34.77
		Middle	23.25	-4.65	0.40	18.20	34.77
		High	22.26	-4.65	0.40	17.21	34.77
20MHz	QPSK	Low	23.12	-4.65	0.40	18.07	34.77
		Middle	23.15	-4.65	0.40	18.10	34.77
		High	23.14	-4.65	0.40	18.09	34.77
	16QAM	Low	22.92	-4.65	0.40	17.87	34.77
		Middle	22.67	-4.65	0.40	17.62	34.77
		High	22.97	-4.65	0.40	17.92	34.77

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&§90.209- OCCUPIED BANDWIDTH

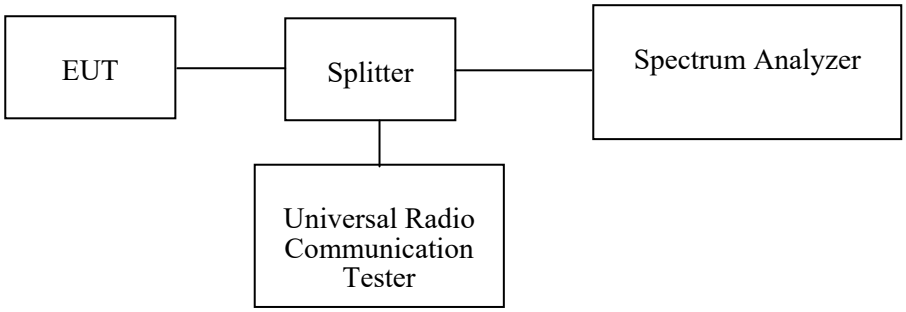
Applicable Standard

FCC §2.1049, §22.917, §22.905, §24.238, §27.53, and§90.209

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	FSU 26	200256	2020-07-07	2021-07-07
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010012	Each time	N/A
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A
E-Microwave	Two-way Spliter	ODP-1-6-2S	OE0120142	Each Time	N/A
R&S	Wideband Radio Communication Tester	CMW500	147473	2020-09-23	2021-09-22
R&S	Universal Radio Communication Tester	CMU200	106 891	2020-09-12	2021-09-12
E-Microwave	Blocking Control	EMDCB-00036	0E01201047	Each time	N/A
Unknown	Attenuator	UNAT-3+	15529	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:	22.1~26.3 °C
Relative Humidity:	32~44 %
ATM Pressure:	100.8~102.8kPa
Tester:	Tylor Li
Test Date:	2021-01-27~2021-02-25

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

GSM:

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	0.242	0.246	0.321	0.317	0.317
	EDGE	0.248	0.250	0.247	0.317	0.317	0.322
PCS	GSM	0.246	0.244	0.244	0.319	0.314	0.316
	EDGE	0.246	0.246	0.246	0.308	0.312	0.310

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
WCDMA Band 2	Rel 99	4.180	4.160	4.180	4.752	4.742	4.757
	HSDPA	4.220	4.240	4.220	5.346	5.460	5.204
	HSUPA	4.220	4.220	4.220	5.250	5.458	5.285
WCDMA Band 4	Rel 99	4.160	4.160	4.180	4.726	4.742	4.732
	HSDPA	4.200	4.200	4.200	5.025	4.992	4.992
	HSUPA	4.200	4.220	4.200	4.883	4.834	4.866
WCDMA Band 5	Rel 99	4.200	4.160	4.160	5.030	4.767	4.762
	HSDPA	4.200	4.200	4.180	5.015	5.096	4.761
	HSUPA	4.240	4.200	4.200	5.058	4.840	4.779

LTE Bands:

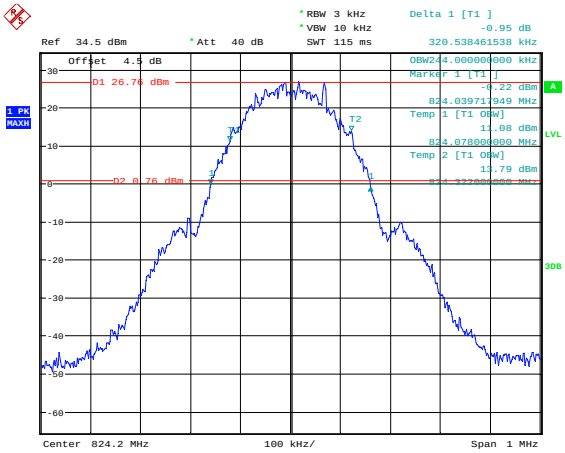
Band	Bandwidth (MHz)	Modulation mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
			Low Channel	Middle Channel	High Channel	Low Channel	Middle Channel	High Channel
LTE Band 2	1.4 MHz	QPSK	1.104	1.104	1.098	1.308	1.290	1.416
		16QAM	1.098	1.098	1.104	1.290	1.296	1.314
	3 MHz	QPSK	2.688	2.688	2.688	2.880	2.892	2.892
		16QAM	2.688	2.688	2.688	2.880	2.892	2.892
	5 MHz	QPSK	4.540	4.540	4.540	5.200	5.220	5.160
		16QAM	4.540	4.560	4.560	5.120	5.220	5.260
	10 MHz	QPSK	9.000	8.960	8.960	9.960	10.120	9.960
		16QAM	9.000	8.960	9.000	9.720	9.880	9.920
	15 MHz	QPSK	13.620	13.500	13.560	15.180	15.180	15.180
		16QAM	13.560	13.560	13.560	15.060	15.180	15.180
	20 MHz	QPSK	17.920	18.000	18.000	19.600	19.680	19.680
		16QAM	17.920	18.000	18.000	19.520	19.840	19.760
LTE Band 4	1.4 MHz	QPSK	1.098	1.104	1.104	1.296	1.314	1.302
		16QAM	1.104	1.092	1.098	1.314	1.290	1.296
	3 MHz	QPSK	2.688	2.688	2.688	2.880	2.892	2.892
		16QAM	2.688	2.688	2.688	2.892	2.880	2.880
	5 MHz	QPSK	4.540	4.520	4.520	5.160	5.140	5.160
		16QAM	4.520	4.560	4.540	5.160	5.220	5.220
	10 MHz	QPSK	9.000	8.960	8.960	10.000	9.800	9.880
		16QAM	9.000	9.000	8.960	9.720	9.840	9.960
	15 MHz	QPSK	13.620	13.500	13.620	15.240	15.180	15.120
		16QAM	13.560	13.500	13.560	15.180	15.180	15.300
	20 MHz	QPSK	17.920	18.000	18.000	19.600	19.600	19.920
		16QAM	18.000	18.000	18.000	19.680	19.920	19.760

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	1.098	1.098	1.104	1.302	1.308	1.296
		16QAM	1.104	1.098	1.098	1.326	1.284	1.290
	3 MHz	QPSK	2.688	2.688	2.688	2.868	2.868	2.892
		16QAM	2.676	2.688	2.676	2.892	2.892	2.880
	5 MHz	QPSK	4.540	4.520	4.520	5.220	5.100	5.180
		16QAM	4.520	4.560	4.560	5.160	5.320	5.220
	10 MHz	QPSK	8.960	8.960	9.000	10.000	9.800	9.920
		16QAM	8.960	8.960	9.000	9.760	9.720	9.880
LTE Band 12	1.4 MHz	QPSK	1.098	1.104	1.104	1.296	1.308	1.290
		16QAM	1.104	1.092	1.098	1.314	1.290	1.296
	3 MHz	QPSK	2.688	2.688	2.688	2.892	2.952	2.892
		16QAM	2.688	2.688	2.688	2.880	2.940	2.868
	5 MHz	QPSK	4.540	4.520	4.520	5.180	5.140	5.140
		16QAM	4.520	4.540	4.560	5.180	5.180	5.200
	10 MHz	QPSK	8.960	8.960	8.960	9.880	9.760	9.960
		16QAM	8.960	8.960	8.960	9.960	9.760	9.840
LTE Band 13	5 MHz	QPSK	4.520	4.520	4.520	5.200	5.220	5.160
		16QAM	4.520	4.560	4.520	5.120	5.200	5.200
	10 MHz	QPSK	/	9.000	/	/	9.840	/
		16QAM	/	8.960	/	/	9.840	/
LTE Band 25	1.4 MHz	QPSK	1.098	1.104	1.104	1.302	1.320	1.320
		16QAM	1.104	1.098	1.098	1.320	1.296	1.284
	3 MHz	QPSK	2.688	2.688	2.688	2.880	2.880	2.868
		16QAM	2.676	2.688	2.676	2.868	2.880	2.880
	5 MHz	QPSK	4.540	4.520	4.520	5.220	5.160	5.140
		16QAM	4.540	4.560	4.540	5.200	5.220	5.220
	10 MHz	QPSK	9.000	8.960	8.960	9.880	9.840	9.800
		16QAM	9.000	9.000	8.960	9.720	9.920	9.880
	15 MHz	QPSK	13.620	13.560	13.620	16.020	15.240	15.420
		16QAM	13.560	13.620	13.620	15.120	15.420	15.180
	20 MHz	QPSK	17.920	18.000	18.080	19.440	19.760	19.760
		16QAM	18.000	18.080	18.000	19.760	19.760	19.600
LTE Band 26	1.4 MHz	QPSK	1.110	1.098	1.110	1.332	1.302	1.302
		16QAM	1.110	1.098	1.104	1.326	1.290	1.308
	3 MHz	QPSK	2.688	2.688	2.688	2.880	2.880	2.892
		16QAM	2.676	2.688	2.676	2.868	2.892	2.880
	5 MHz	QPSK	4.540	4.540	4.520	5.240	5.160	5.180
		16QAM	4.540	4.540	4.540	5.340	5.180	5.220
	10 MHz	QPSK	9.000	8.960	9.000	9.840	9.840	9.840
		16QAM	8.920	8.960	8.960	9.680	9.880	9.800
	15 MHz	QPSK	13.560	13.500	13.560	15.240	15.060	15.180
		16QAM	13.500	13.560	13.560	15.120	15.120	15.120

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 41	5 MHz	QPSK	4.520	4.520	4.540	5.160	5.100	5.080
		16QAM	4.540	4.520	4.520	5.180	5.200	5.140
	10 MHz	QPSK	8.960	8.960	9.000	9.880	9.920	9.880
		16QAM	9.000	8.960	9.000	9.760	9.720	9.840
	15 MHz	QPSK	13.560	13.560	13.500	15.060	15.180	15.180
		16QAM	13.560	13.620	13.560	15.060	15.240	15.120
	20 MHz	QPSK	17.920	18.000	18.000	19.600	19.680	19.520
		16QAM	18.000	18.000	18.000	19.840	19.600	19.680
LTE Band 66	1.4 MHz	QPSK	1.104	1.098	1.104	1.296	1.308	1.314
		16QAM	1.098	1.104	1.098	1.284	1.314	1.344
	3 MHz	QPSK	2.688	2.688	2.688	2.880	2.868	2.892
		16QAM	2.688	2.676	2.676	2.868	2.880	2.880
	5 MHz	QPSK	4.540	4.540	4.520	5.180	5.680	5.180
		16QAM	4.520	4.560	4.540	5.360	5.800	5.220
	10 MHz	QPSK	9.000	8.960	8.960	10.040	9.840	9.800
		16QAM	9.000	9.000	8.960	9.880	10.320	9.880
	15 MHz	QPSK	13.620	13.500	13.620	15.240	15.120	15.300
		16QAM	13.560	13.560	13.620	15.840	15.720	18.420
	20 MHz	QPSK	18.000	18.000	18.000	19.600	20.400	20.000
		16QAM	18.000	18.080	18.000	20.240	24.400	19.760
LTE Band 71	5 MHz	QPSK	4.551	4.535	4.551	5.253	5.263	5.260
		16QAM	4.535	4.535	4.519	5.253	5.231	5.205
	10 MHz	QPSK	8.974	8.974	9.006	9.968	9.968	10.038
		16QAM	8.974	8.974	8.974	9.936	9.936	9.974
	15 MHz	QPSK	13.558	13.702	13.510	15.327	18.904	15.202
		16QAM	13.510	13.654	13.606	15.183	15.288	15.202
	20 MHz	QPSK	17.949	18.077	18.013	19.872	23.423	19.962
		16QAM	18.013	18.077	17.949	19.872	21.372	19.769

GSM:

Cellular 850 Band, GSM, Low Channel



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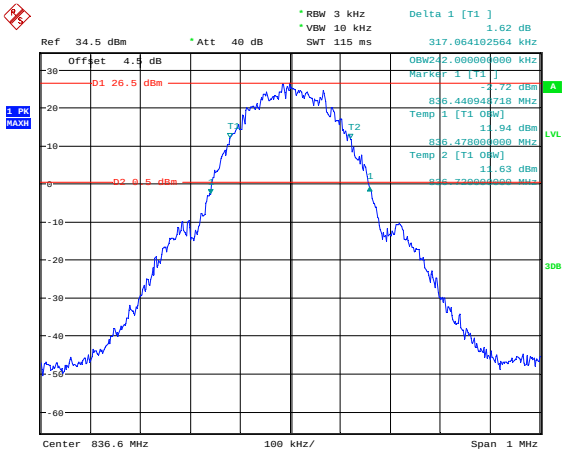
Cellular 850 Band, GSM, Middle Channel



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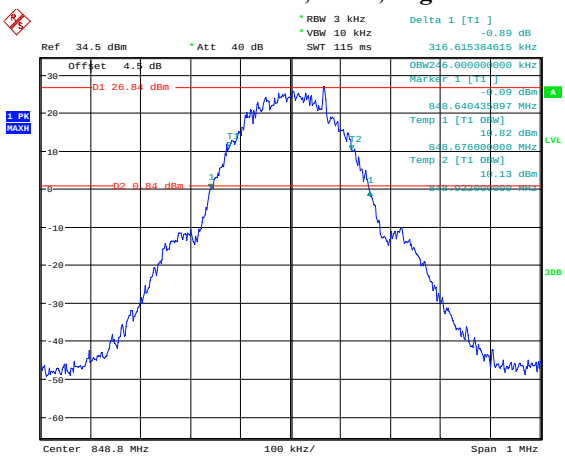
Cellular 850 Band, GSM, High Channel



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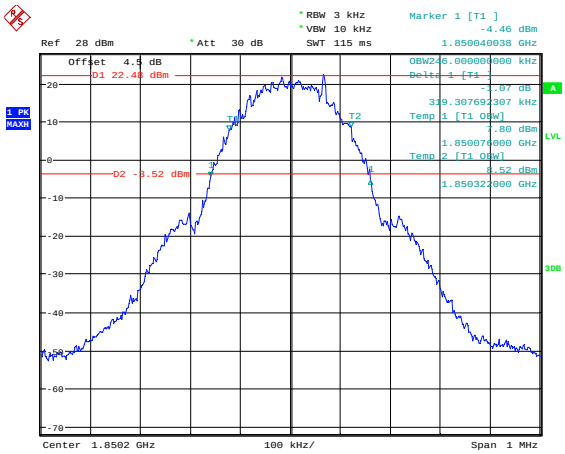
PCS 1900 Band, GSM, Low Channel



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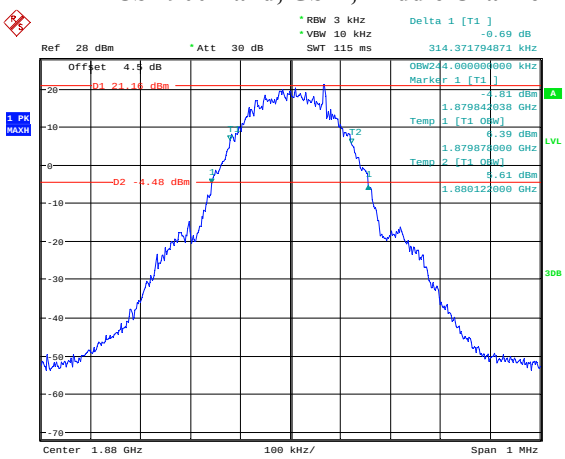

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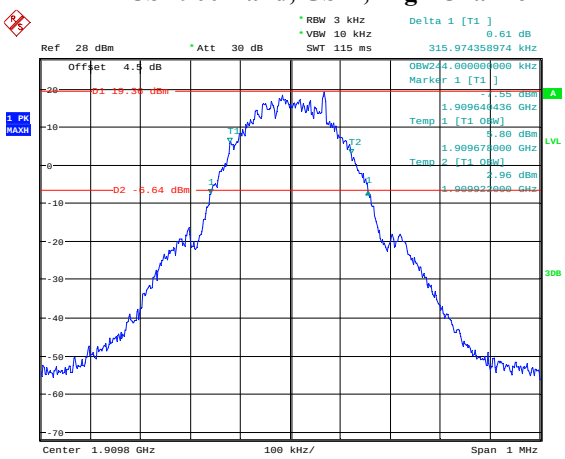

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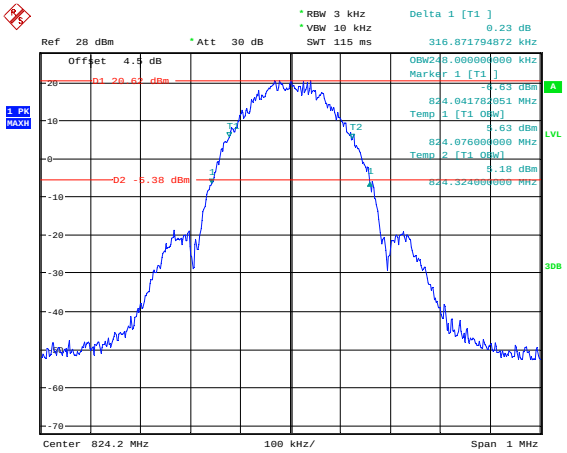
Cellular 850 Band, EDGE, Low Channel



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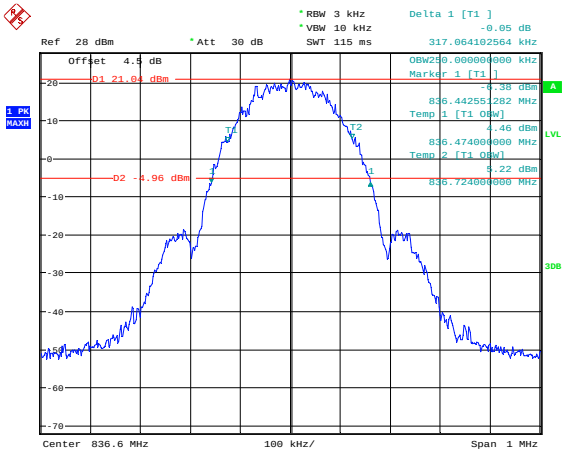
Cellular 850 Band, EDGE, Middle Channel



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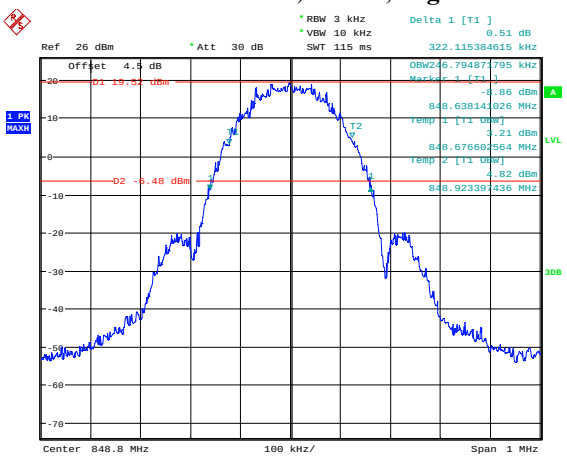

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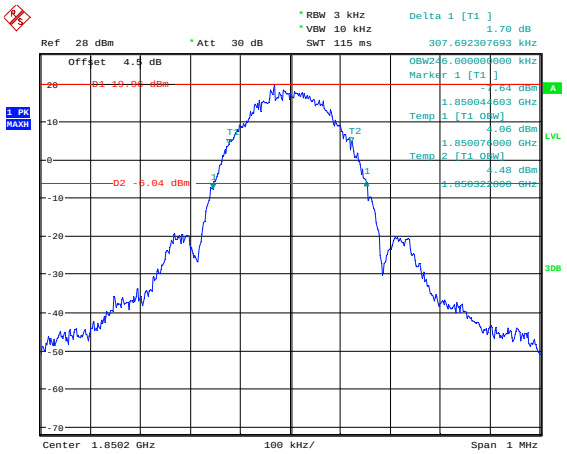
PCS 1900 Band, EDGE, Low Channel



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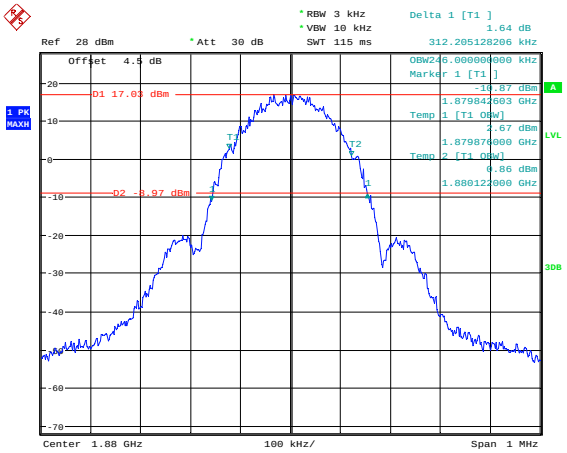
PCS 1900 Band, EDGE, Middle Channel



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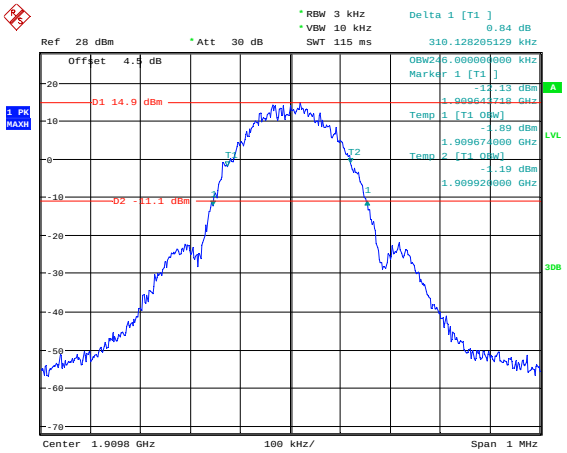
PCS 1900 Band, EDGE, High Channel



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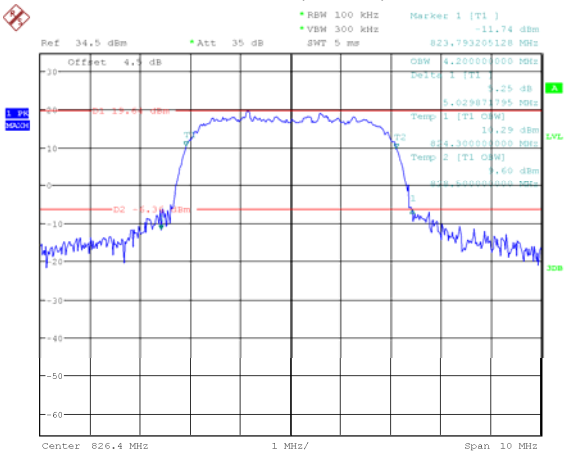
WCDMA Band 5:

WCDMA Band V, Rel99, Low Channel



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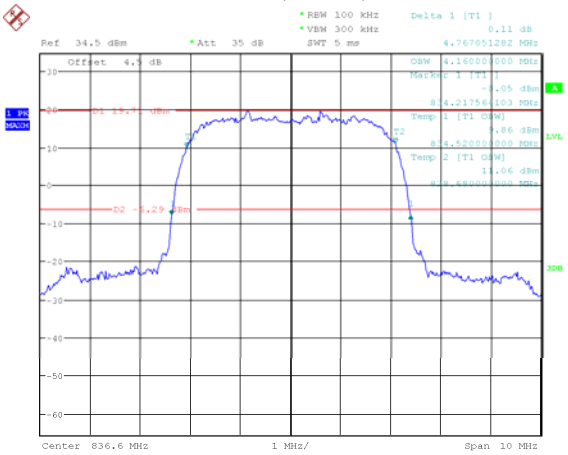
WCDMA Band V, Rel99, Middle Channel



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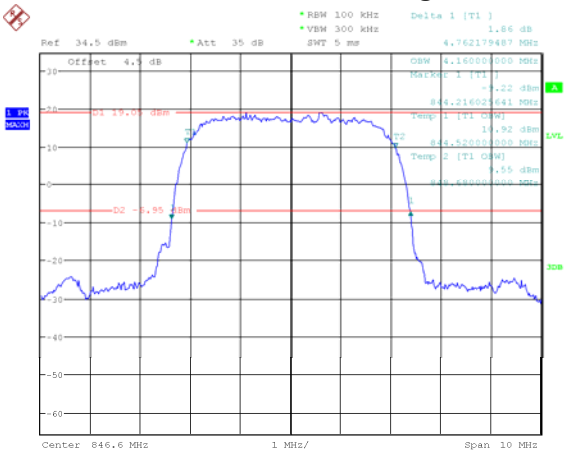
WCDMA Band V, Rel99, High Channel



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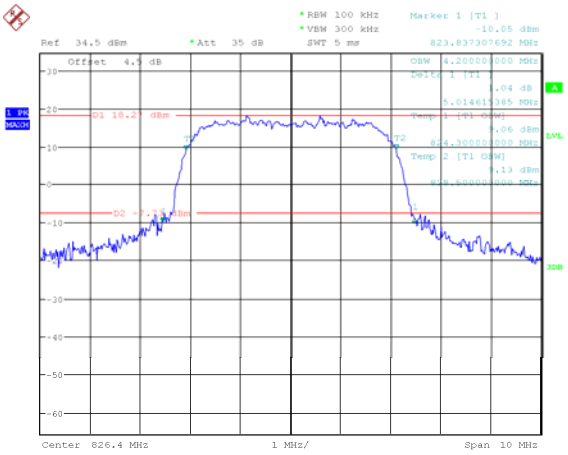
WCDMA Band V, HSDPA, Low Channel



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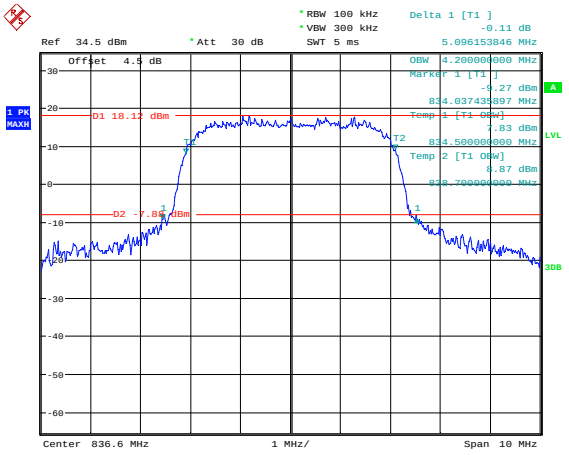
WCDMA Band V, HSDPA, Middle Channel



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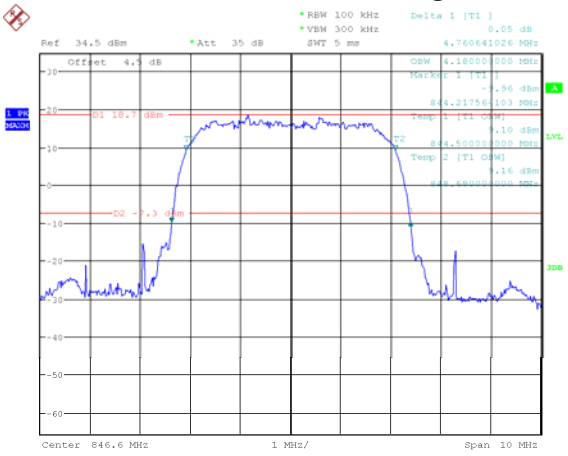
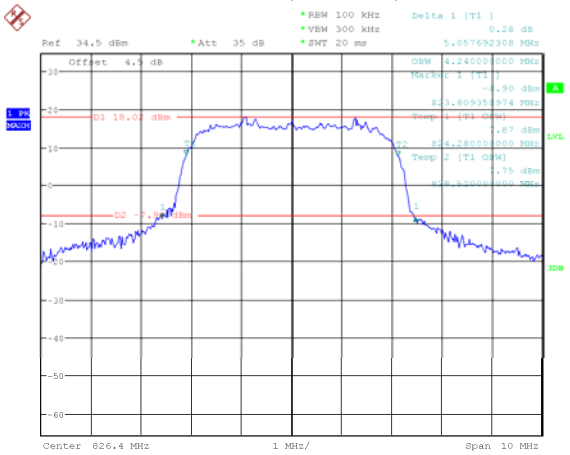
WCDMA Band V, HSDPA, High Channel



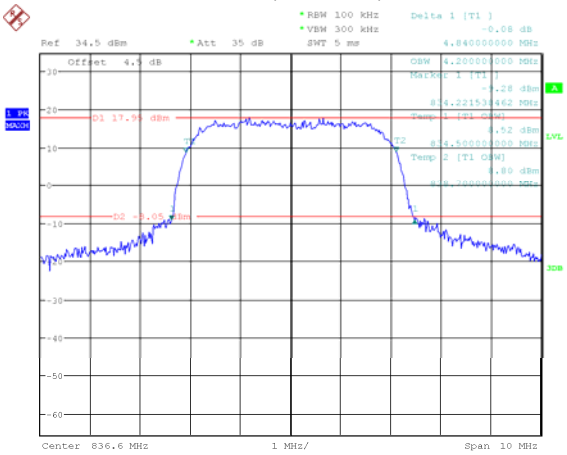
Date: 29.JAN.2021 19:35:29

WCDMA Band V, HSUPA, Low Channel



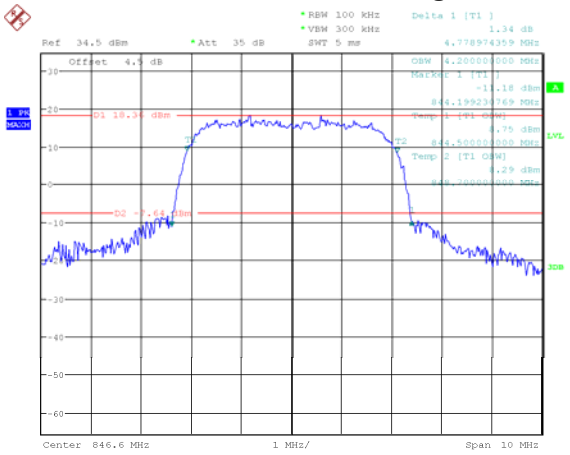
Date: 4.FEB.2021 17:48:06

WCDMA Band V, HSUPA, Middle Channel



Date: 29.JAN.2021 17:56:44

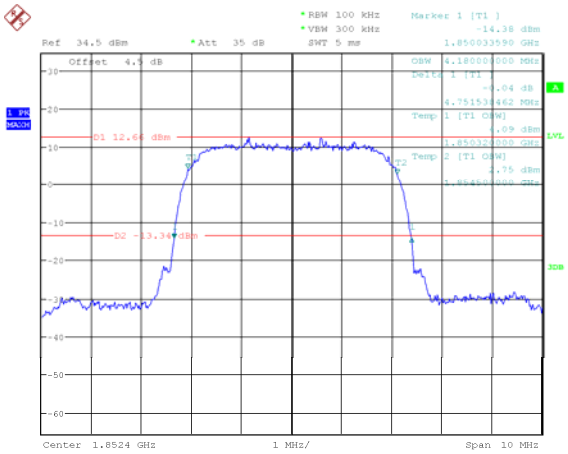
WCDMA Band V, HSUPA, High Channel



Date: 29.JAN.2021 17:59:05

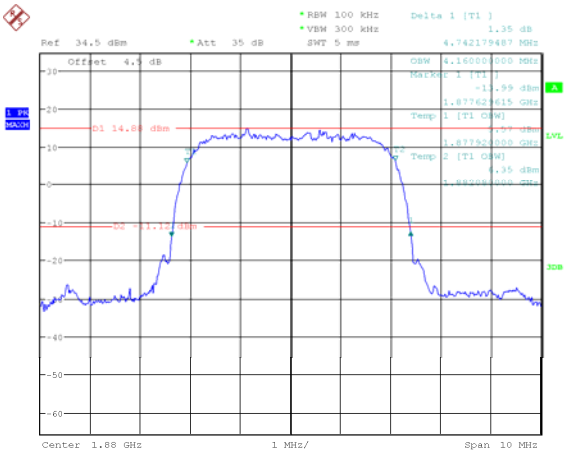
WCDMA Band 2:

WCDMA Band II, Rel99, Low Channel



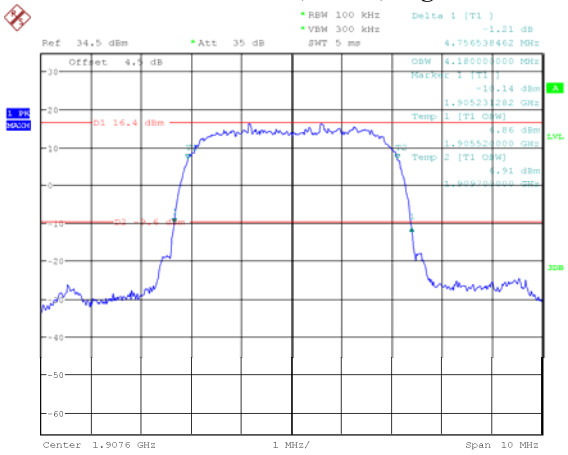
Date: 29.JAN.2021 15:20:42

WCDMA Band II, Rel99, Middle Channel



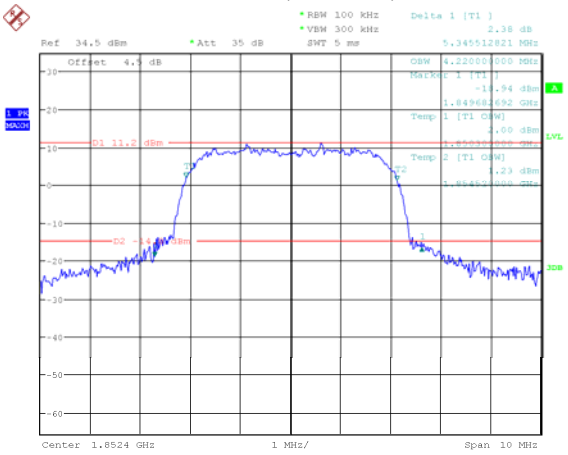
Date: 29.JAN.2021 15:25:39

WCDMA Band II, Rel99, High Channel



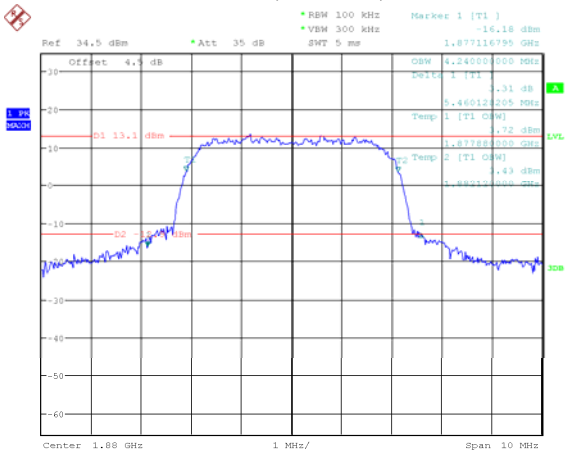
Date: 29.JAN.2021 15:27:26

WCDMA Band II, HSDPA, Low Channel



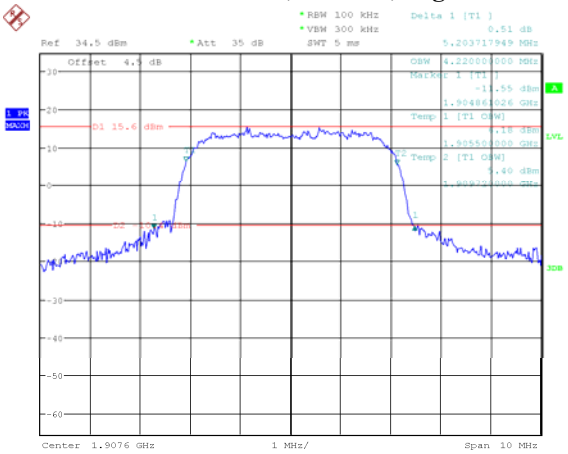
Date: 29.JAN.2021 15:30:33

WCDMA Band II, HSDPA, Middle Channel



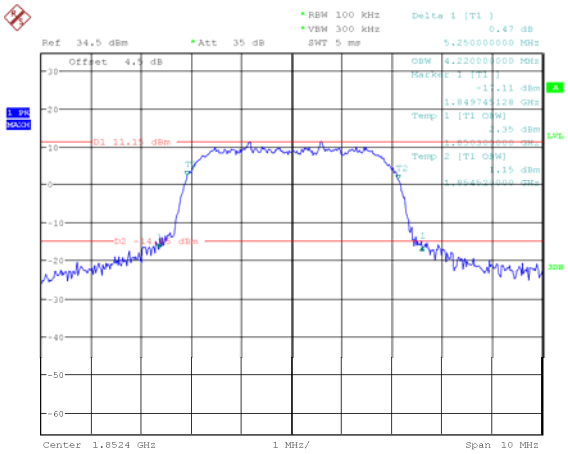
Date: 29.JAN.2021 15:35:24

WCDMA Band II, HSDPA, High Channel



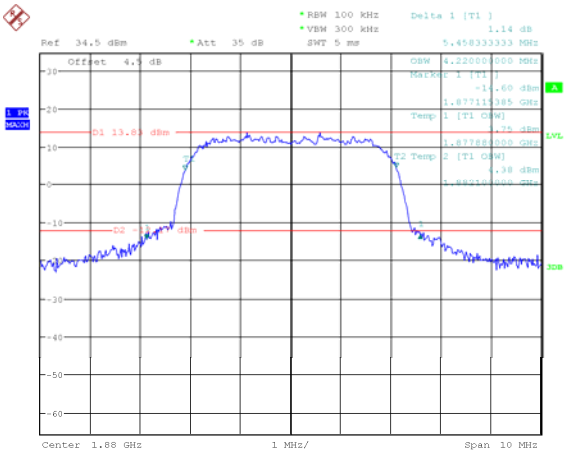
Date: 29.JAN.2021 15:42:45

WCDMA Band II, HSUPA, Low Channel



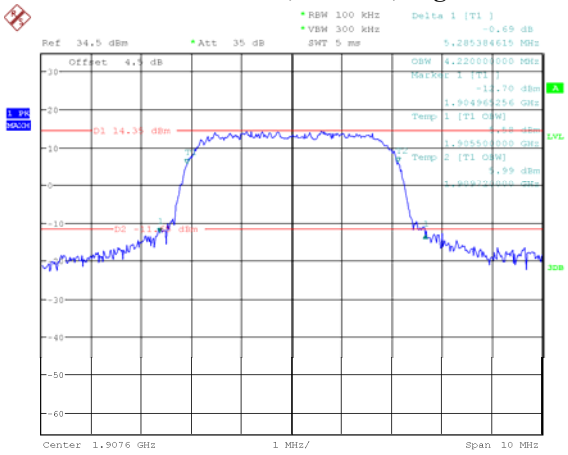
Date: 29.JAN.2021 16:01:55

WCDMA Band II, HSUPA, Middle Channel



Date: 29.JAN.2021 16:05:42

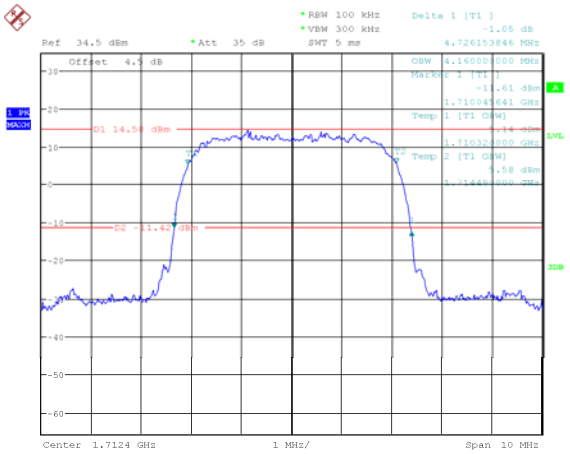
WCDMA Band II, HSUPA, High Channel



Date: 29.JAN.2021 16:08:48

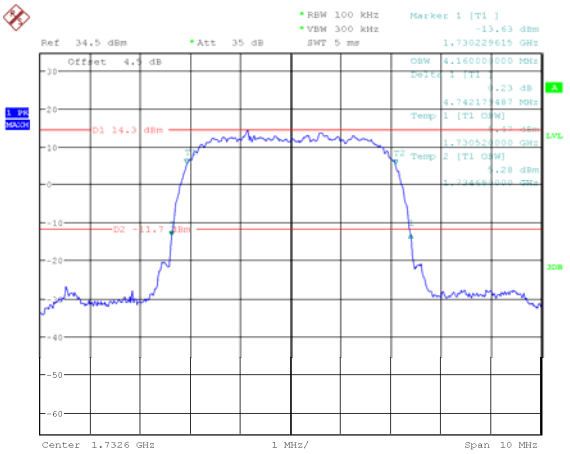
WCDMA Band 4 :

WCDMA Band IV, Rel99, Low Channel



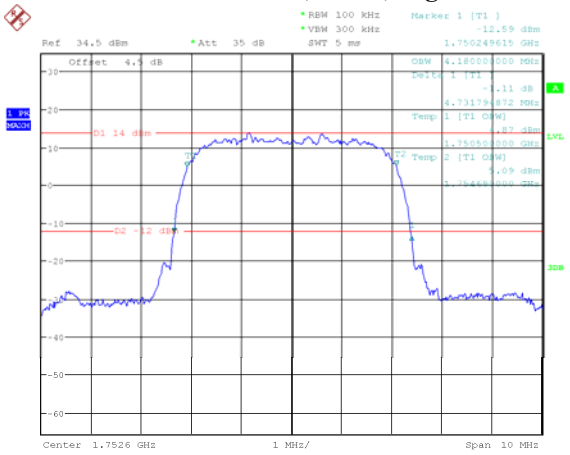
Date: 29.JAN.2021 16:23:44

WCDMA Band IV, Rel99, Middle Channel



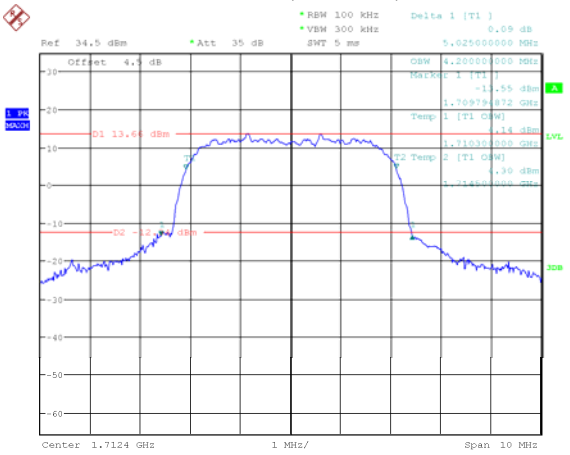
Date: 29.JAN.2021 16:27:31

WCDMA Band IV, Rel99, High Channel



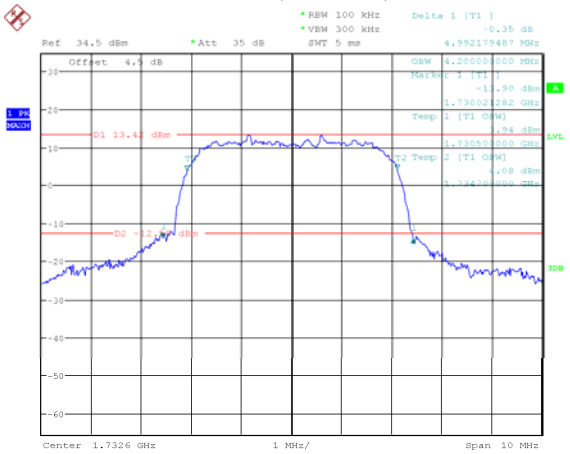
Date: 29.JAN.2021 16:31:00

WCDMA Band IV, HSDPA, Low Channel



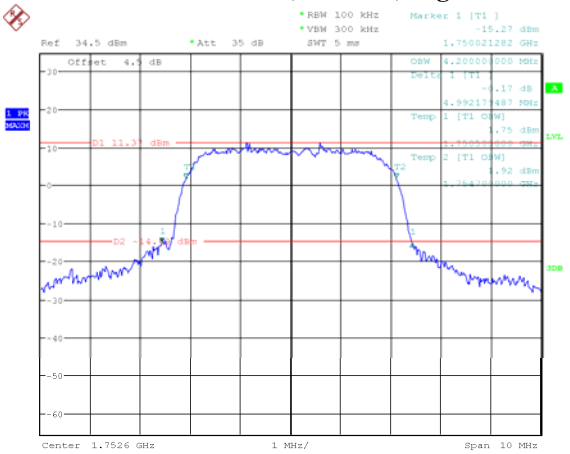
Date: 29.JAN.2021 17:11:50

WCDMA Band IV, HSDPA, Middle Channel



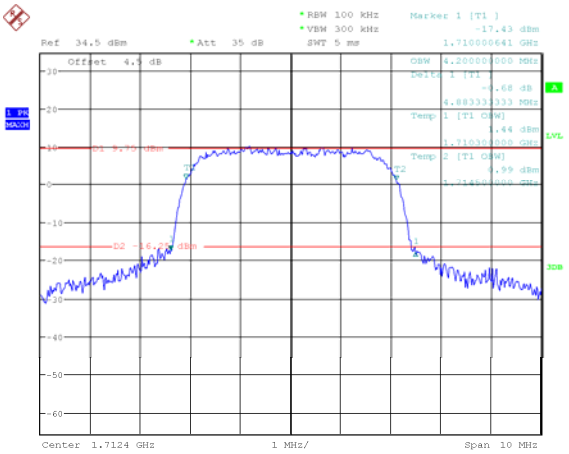
Date: 29.JAN.2021 17:18:16

WCDMA Band IV, HSDPA, High Channel



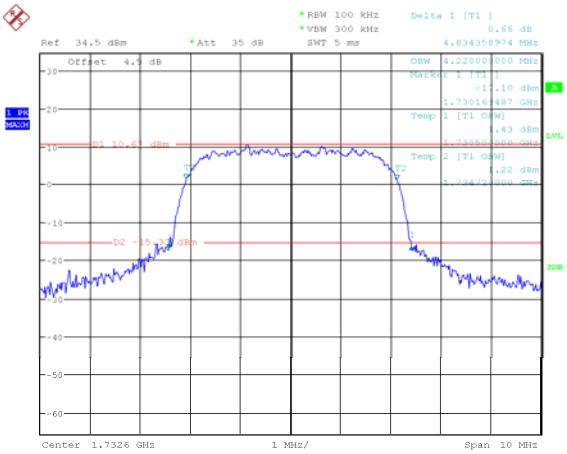
Date: 29.JAN.2021 17:26:34

WCDMA Band IV, HSUPA, Low Channel



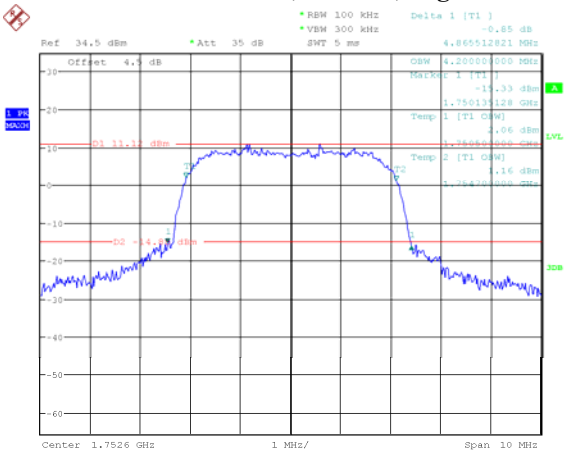
Date: 29.JAN.2021 17:29:26

WCDMA Band IV, HSUPA, Middle Channel



Date: 29.JAN.2021 17:42:59

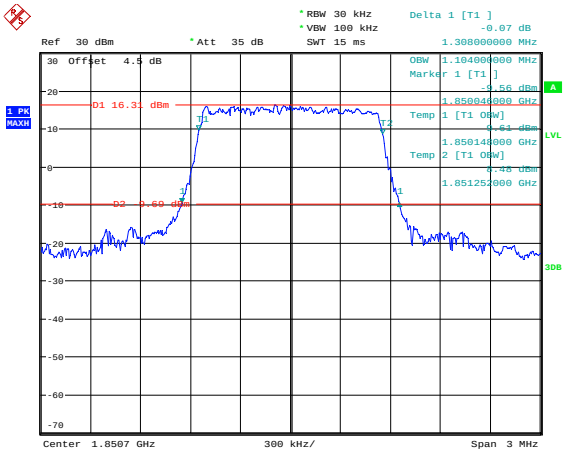
WCDMA Band IV, HSUPA, High Channel



Date: 29.JAN.2021 18:01:45

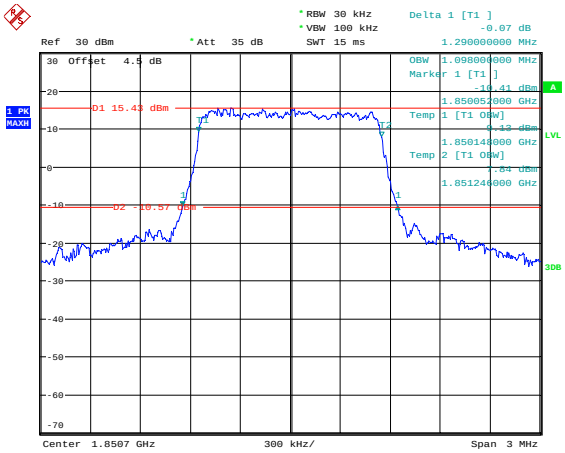
LTE Band 2:

1.4M, QPSK, Low Channel



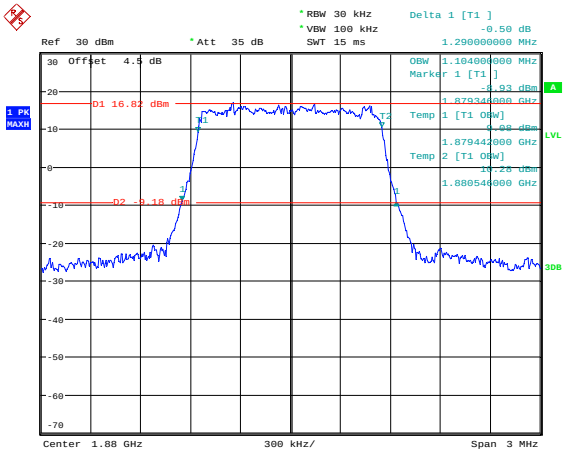
Date: 28.JAN.2021 14:22:14

1.4M, 16QAM, Low Channel



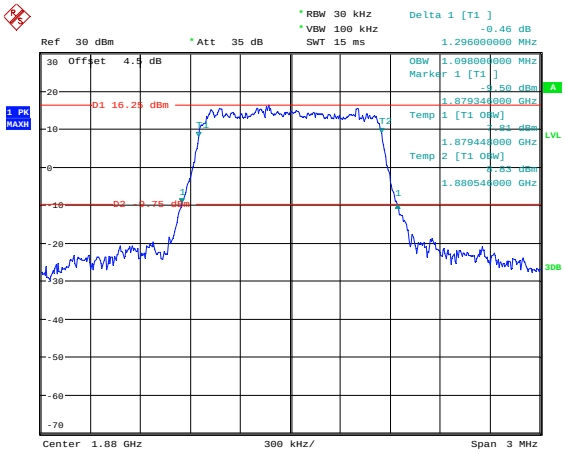
Date: 28.JAN.2021 14:22:41

1.4M, QPSK, Middle Channel



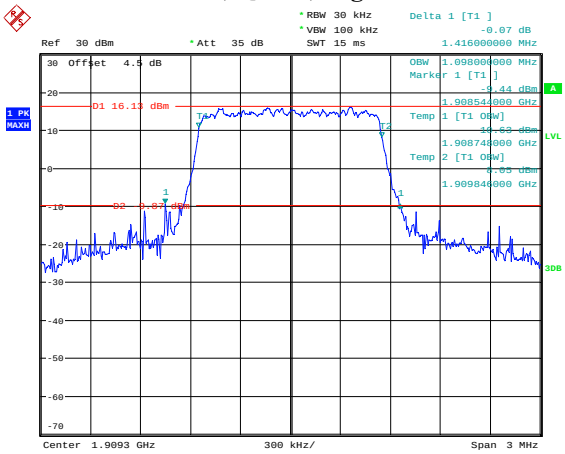
Date: 28.JAN.2021 14:23:04

1.4M, 16QAM, Middle Channel



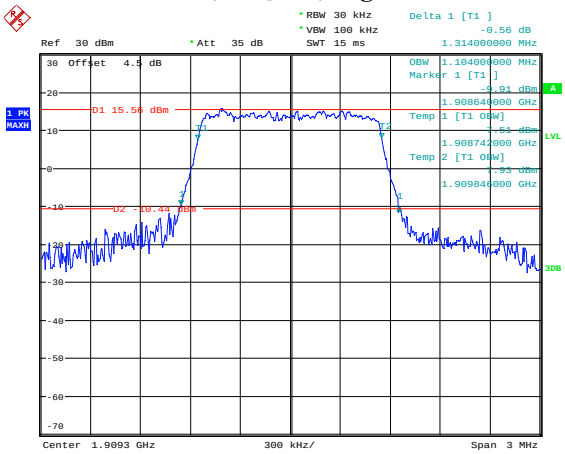
Date: 28.JAN.2021 14:23:27

1.4M, QPSK, High Channel



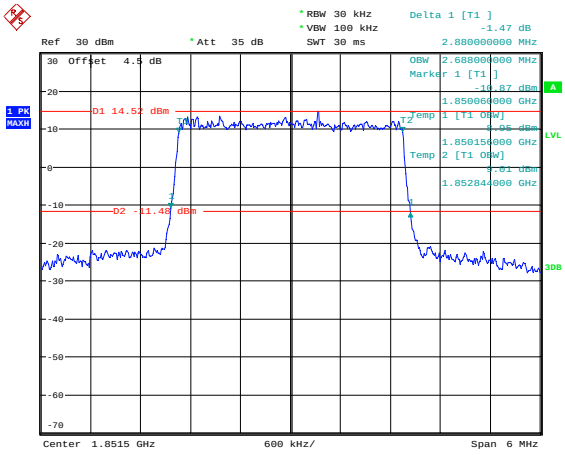
Date: 28.JAN.2021 14:23:58

1.4M, 16QAM, High Channel



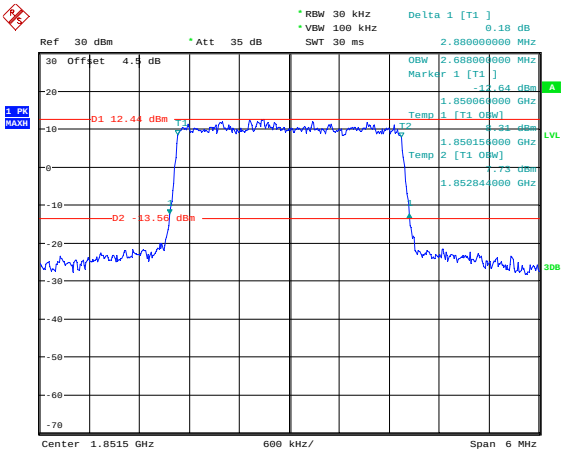
Date: 28.JAN.2021 14:24:39

3M, QPSK, Low Channel



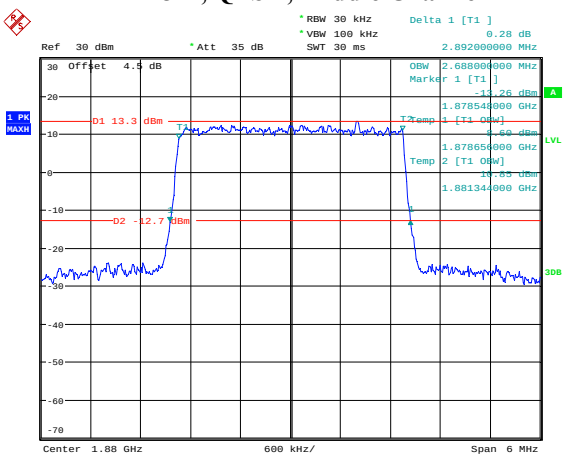
Date: 28.JAN.2021 14:25:11

3M, 16QAM, Low Channel



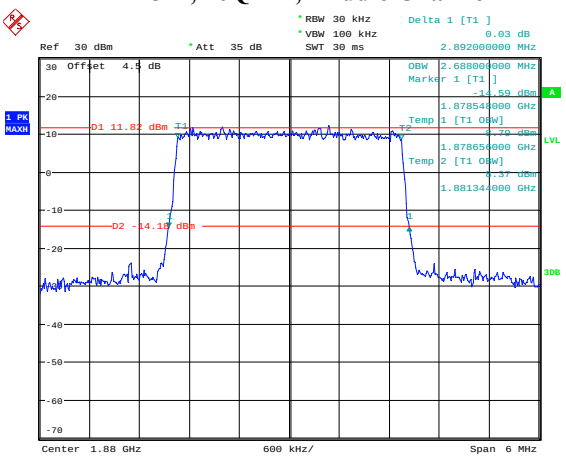
Date: 28.JAN.2021 14:25:34

3M, QPSK, Middle Channel



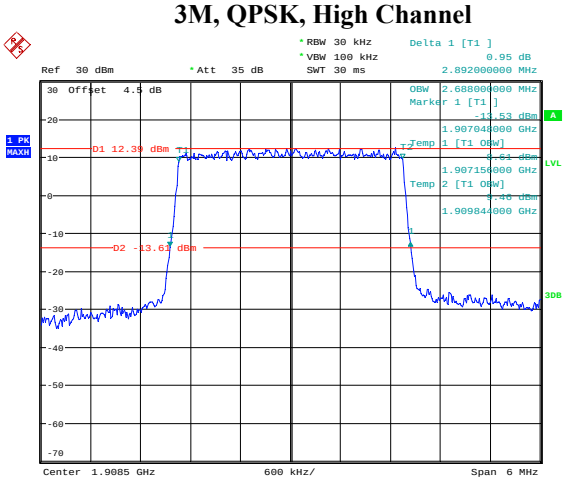
Date: 28.JAN.2021 14:25:57

3M, 16QAM, Middle Channel



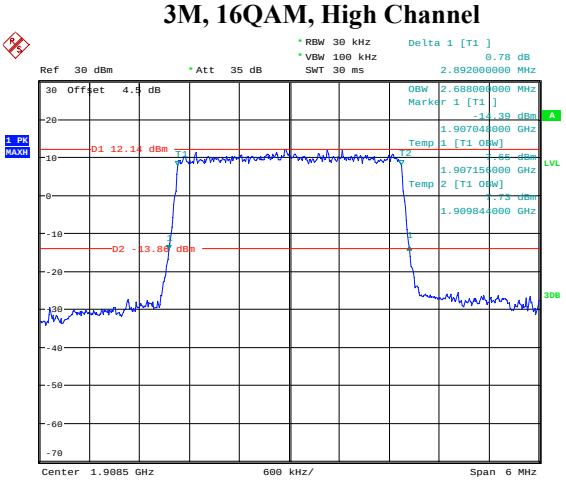
Date: 28.JAN.2021 15:36:03

3M, QPSK, High Channel



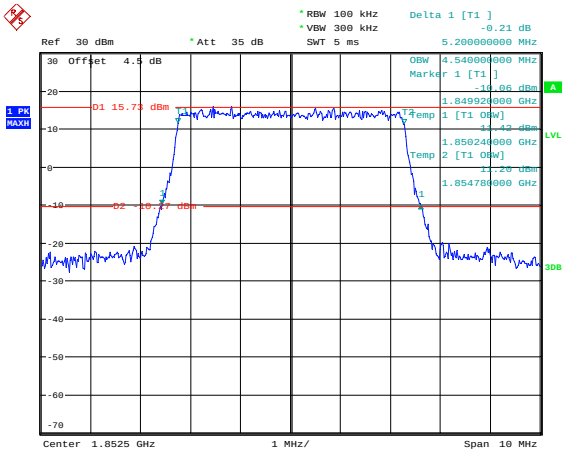
Date: 28.JAN.2021 15:36:26

3M, 16QAM, High Channel



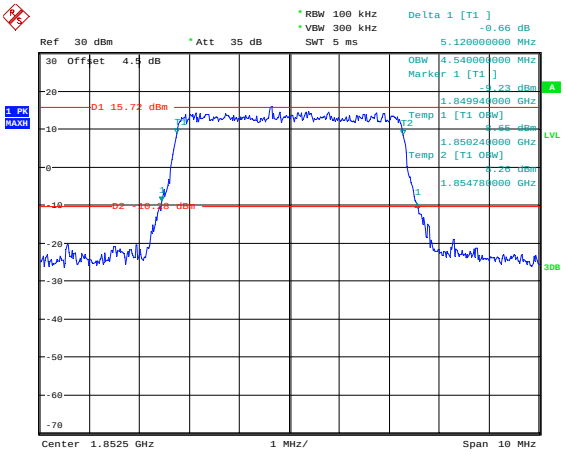
Date: 28.JAN.2021 15:36:49

5M, QPSK, Low Channel



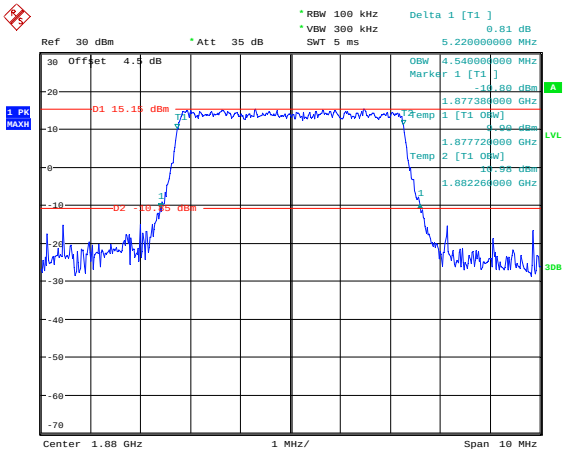
Date: 28.JAN.2021 15:37:16

5M, 16QAM, Low Channel



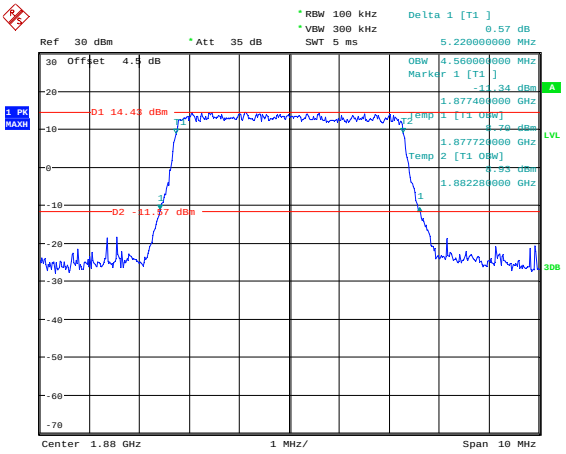
Date: 28.JAN.2021 15:37:39

5M, QPSK, Middle Channel



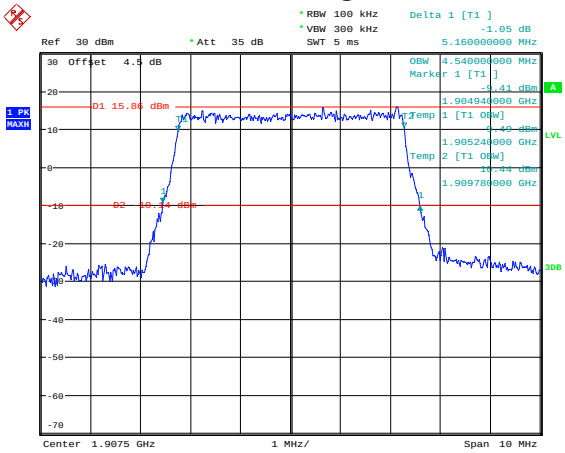
Date: 28.JAN.2021 15:38:06

5M, 16QAM, Middle Channel



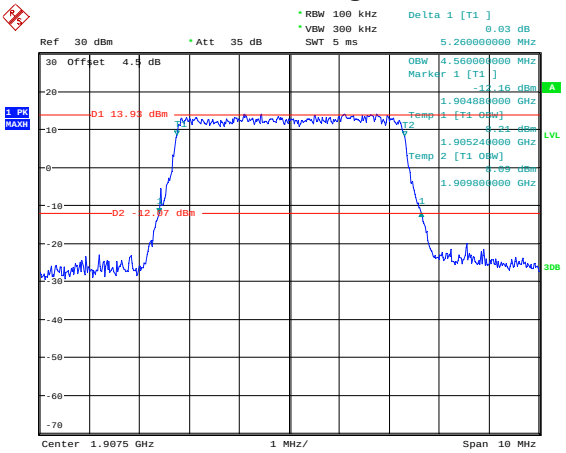
Date: 28.JAN.2021 15:38:32

5M, QPSK, High Channel



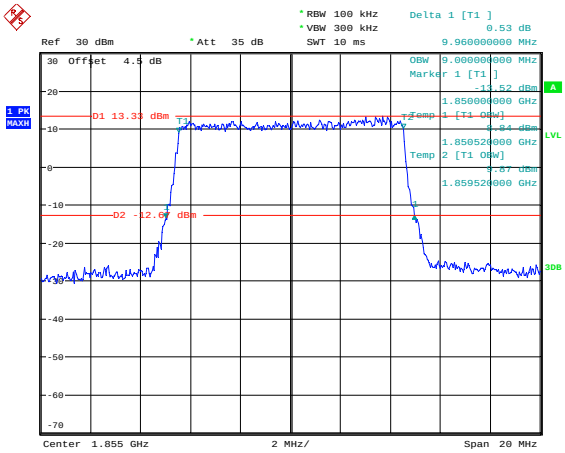
Date: 28.JAN.2021 15:38:56

5M, 16QAM, High Channel



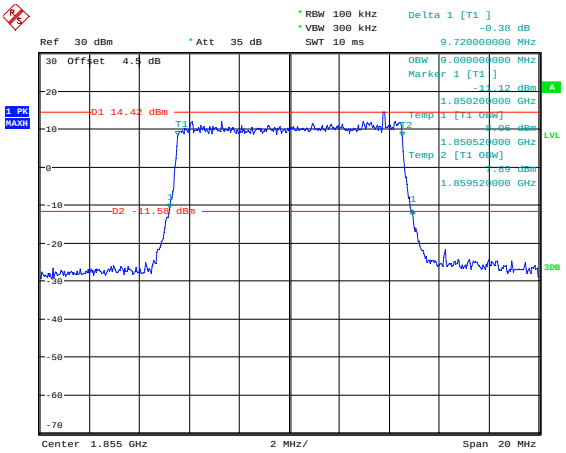
Date: 28.JAN.2021 15:39:18

10M, QPSK, Low Channel



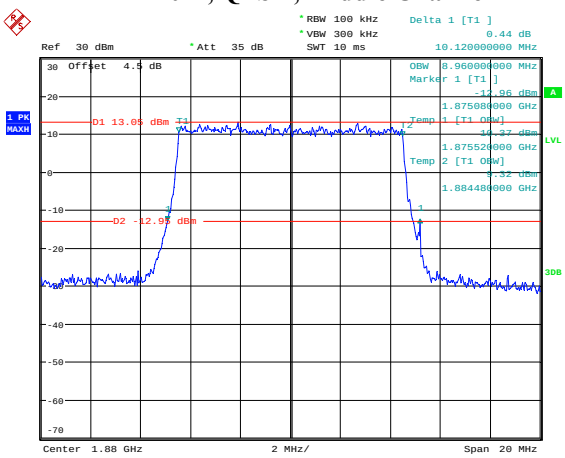
Date: 28.JAN.2021 15:39:46

10M, 16QAM, Low Channel



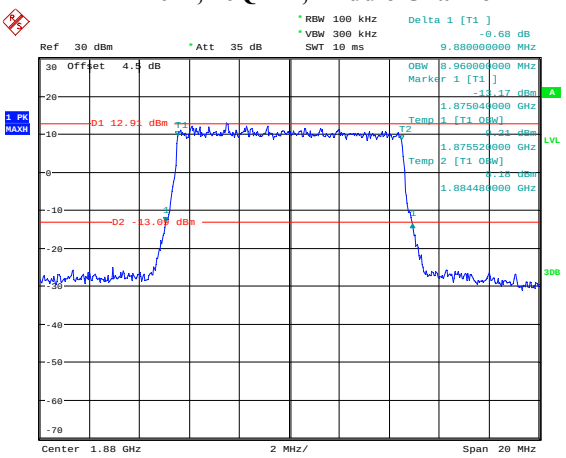
Date: 28.JAN.2021 15:40:10

10M, QPSK, Middle Channel



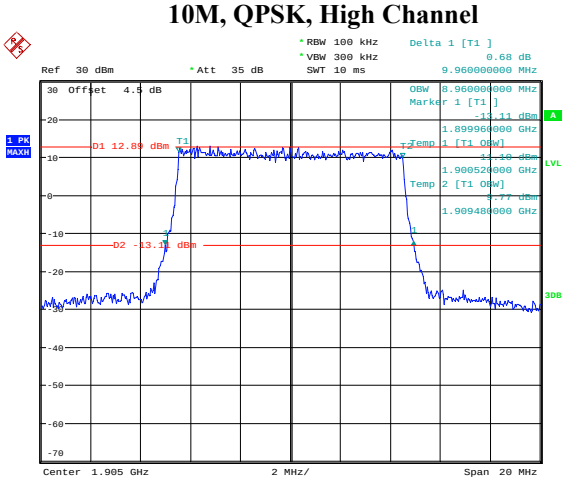
Date: 28.JAN.2021 15:40:34

10M, 16QAM, Middle Channel



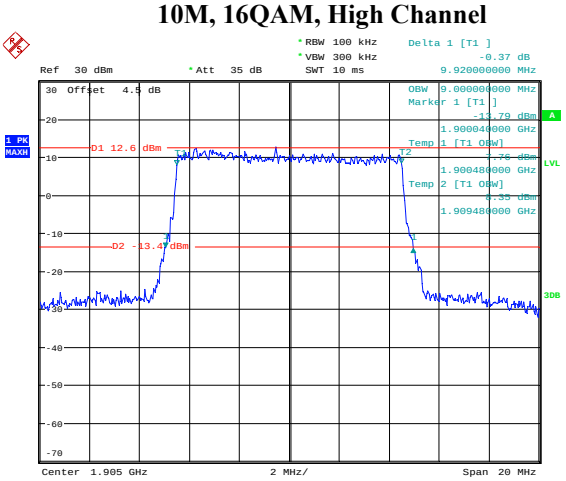
Date: 28.JAN.2021 15:40:58

10M, QPSK, High Channel



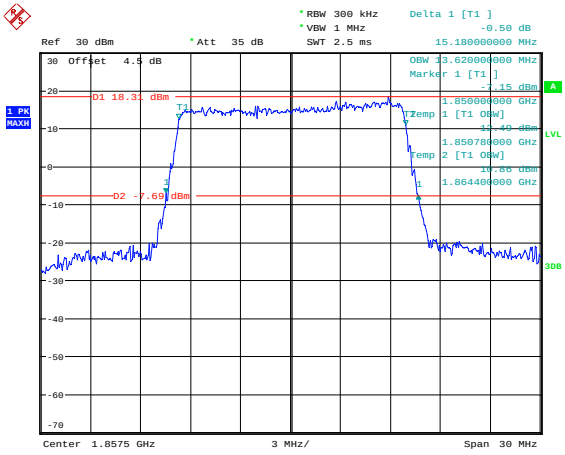
Date: 28.JAN.2021 15:41:26

10M, 16QAM, High Channel



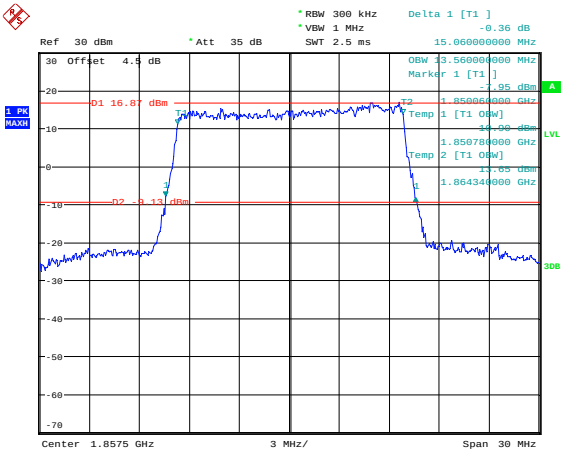
Date: 28.JAN.2021 15:41:49

15M, QPSK, Low Channel



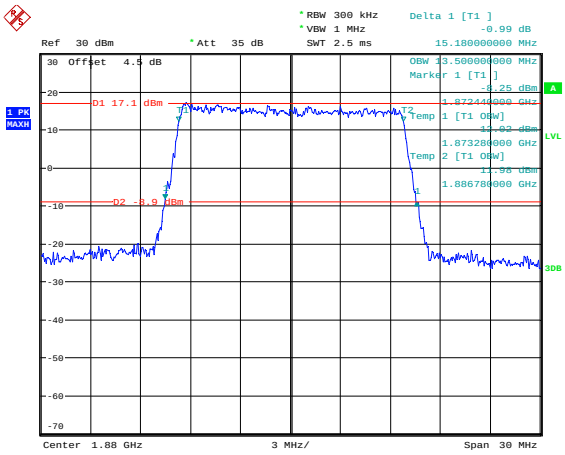
Date: 28.JAN.2021 15:42:23

15M, 16QAM, Low Channel



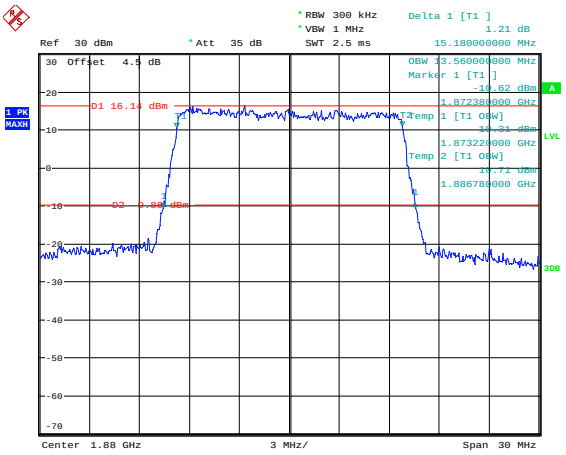
Date: 28.JAN.2021 15:42:50

15M, QPSK, Middle Channel



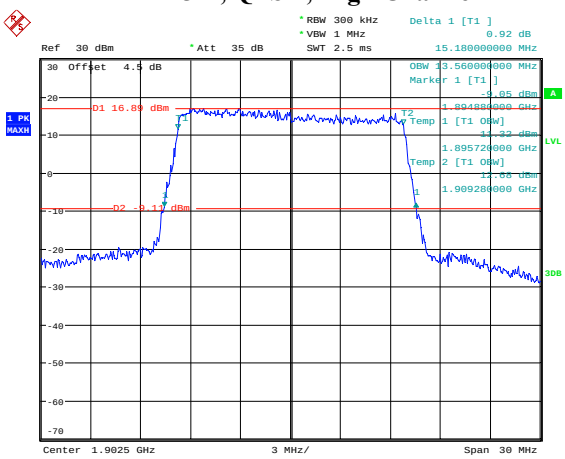
Date: 28.JAN.2021 15:43:17

15M, 16QAM, Middle Channel



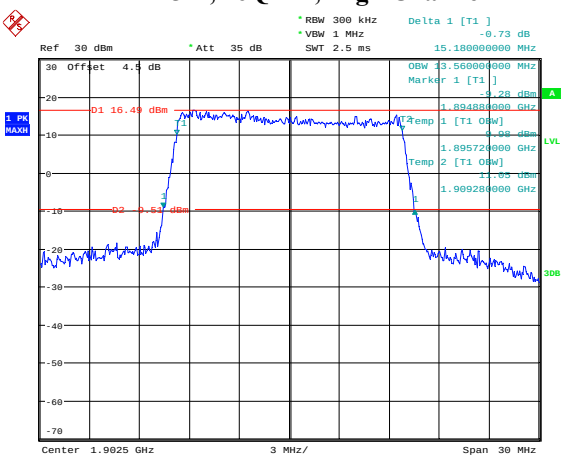
Date: 28.JAN.2021 15:43:43

15M, QPSK, High Channel



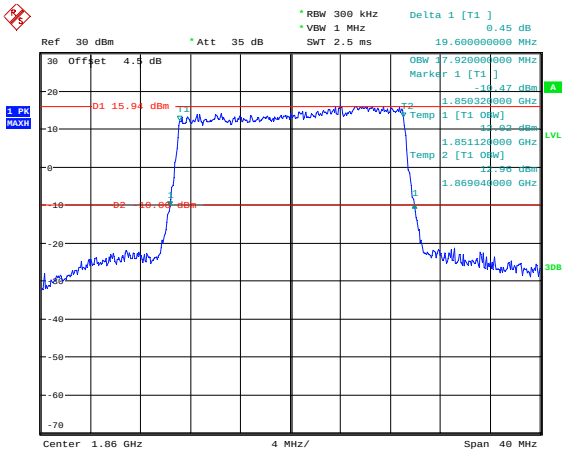
Date: 28.JAN.2021 15:44:10

15M, 16QAM, High Channel



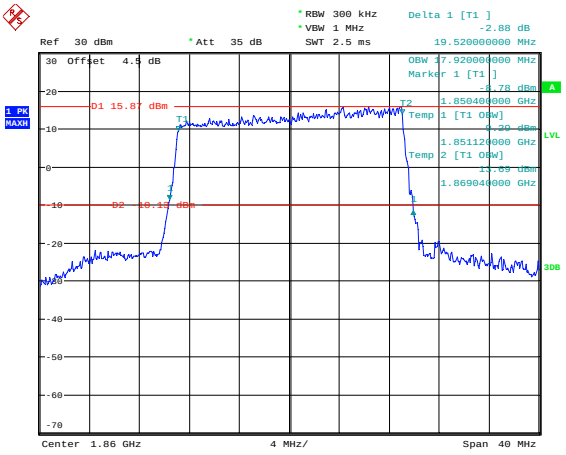
Date: 28.JAN.2021 15:44:36

20M, QPSK, Low Channel



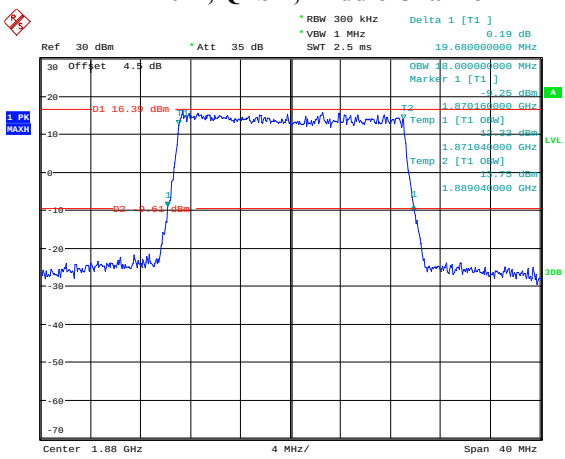
Date: 28.JAN.2021 15:45:06

20M, 16QAM, Low Channel



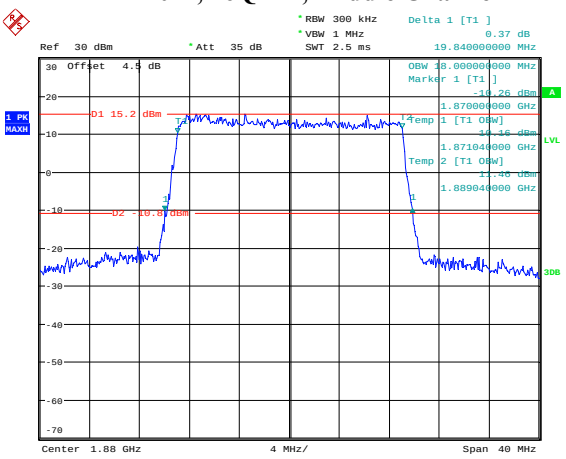
Date: 28.JAN.2021 15:45:32

20M, QPSK, Middle Channel



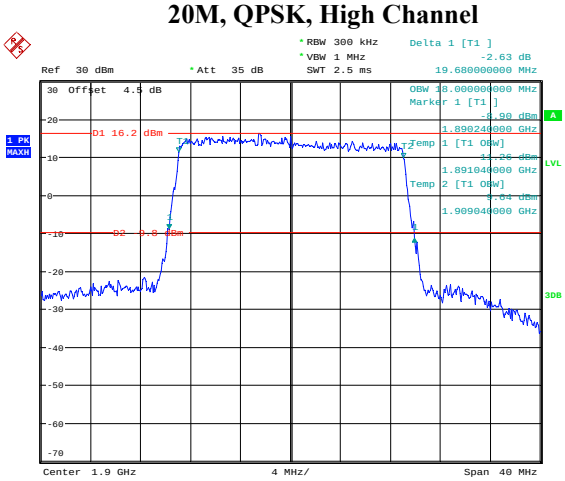
Date: 28.JAN.2021 15:45:59

20M, 16QAM, Middle Channel



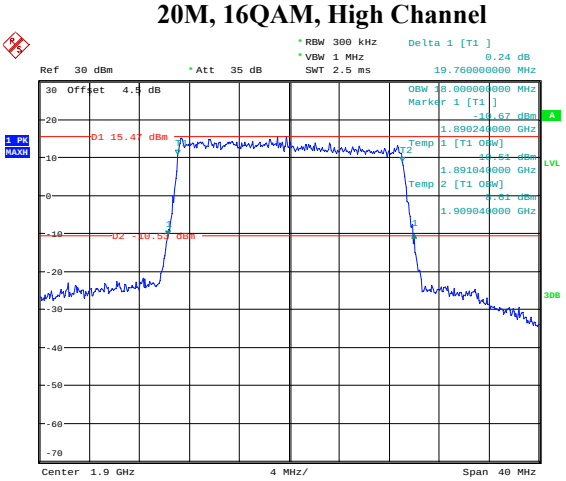
Date: 28.JAN.2021 15:46:25

20M, QPSK, High Channel



Date: 28.JAN.2021 15:46:52

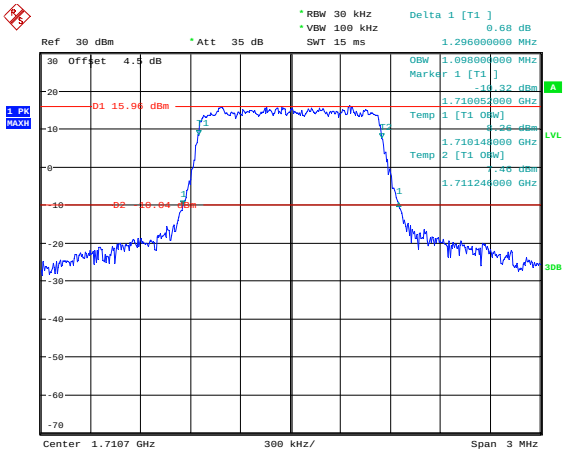
20M, 16QAM, High Channel



Date: 28.JAN.2021 15:47:18

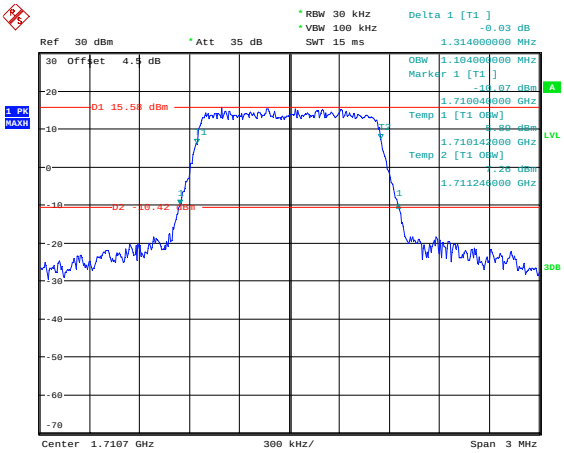
LTE Band 4:

1.4M, QPSK, Low Channel



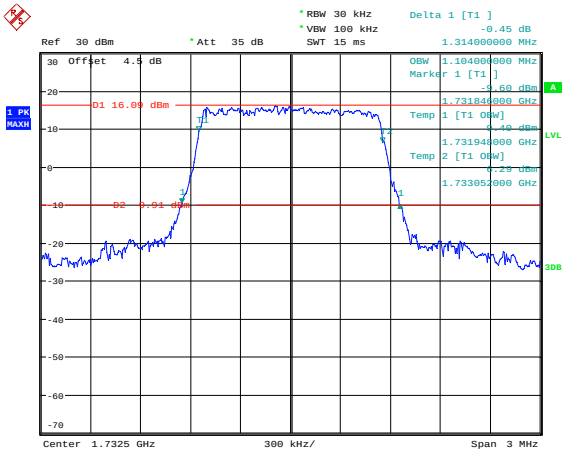
Date: 28.JAN.2021 15:47:43

1.4M, 16QAM, Low Channel



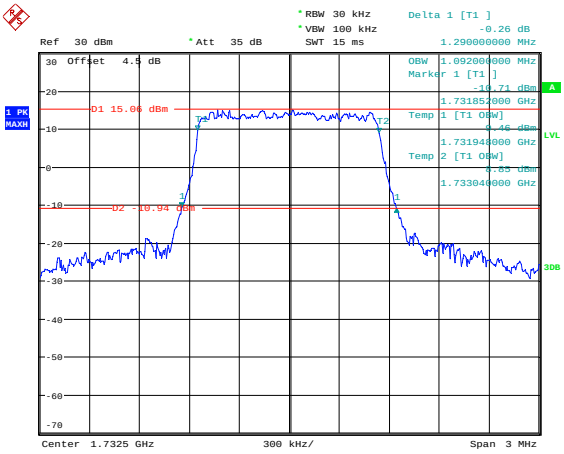
Date: 28.JAN.2021 15:48:10

1.4M, QPSK, Middle Channel



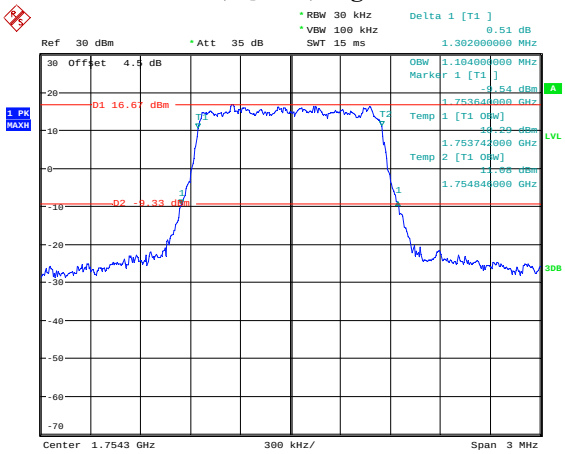
Date: 28.JAN.2021 15:48:37

1.4M, 16QAM, Middle Channel



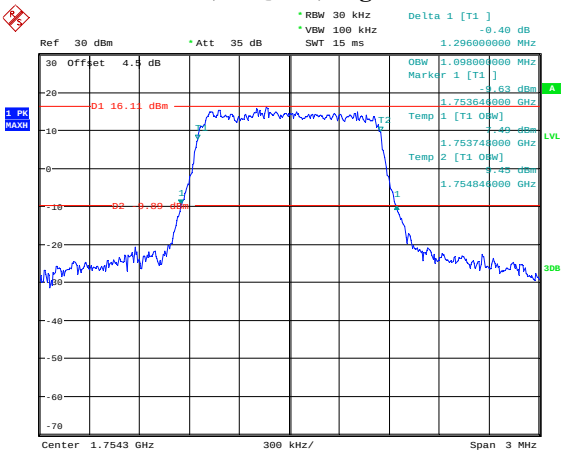
Date: 28.JAN.2021 15:48:59

1.4M, QPSK, High Channel



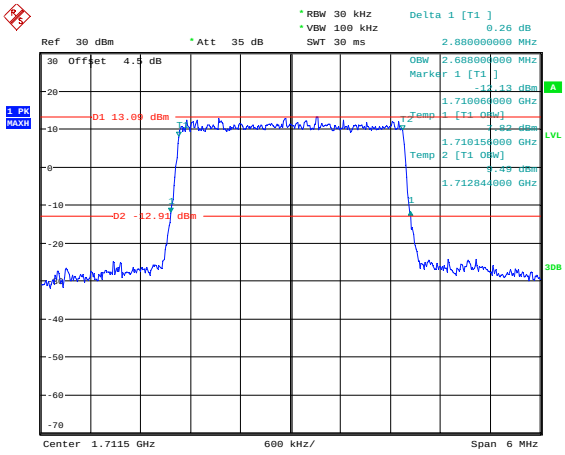
Date: 28.JAN.2021 15:49:27

1.4M, 16QAM, High Channel



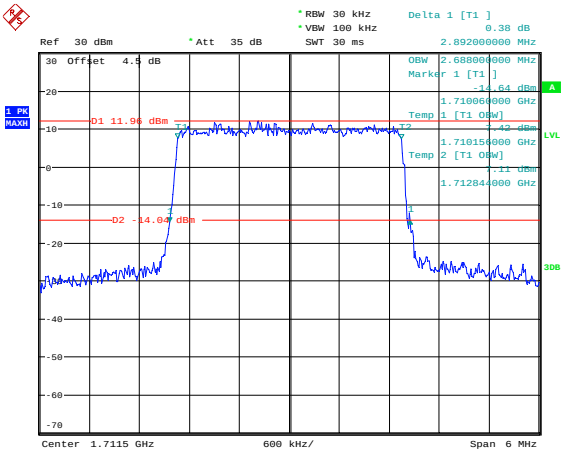
Date: 28.JAN.2021 15:49:49

3M, QPSK, Low Channel



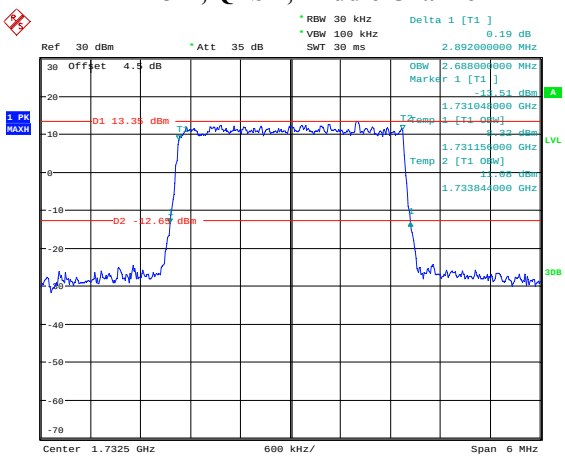
Date: 28.JAN.2021 15:50:15

3M, 16QAM, Low Channel



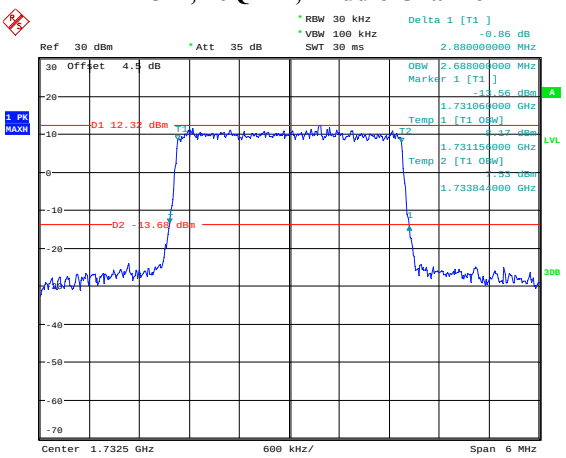
Date: 28.JAN.2021 15:50:33

3M, QPSK, Middle Channel



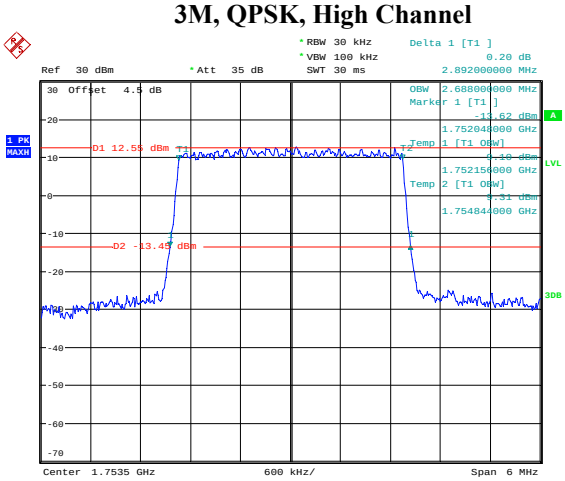
Date: 28.JAN.2021 15:50:57

3M, 16QAM, Middle Channel



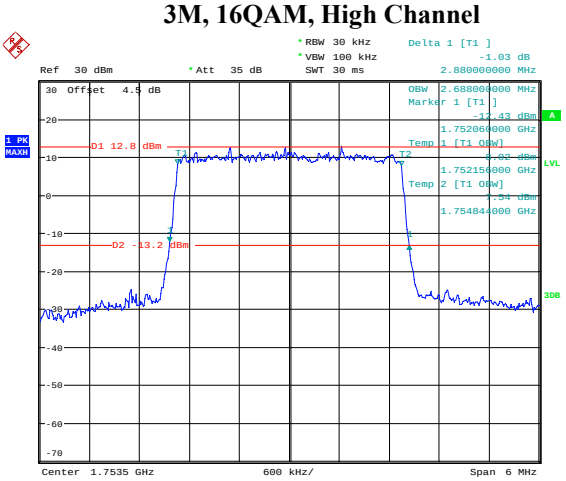
Date: 28.JAN.2021 15:51:15

3M, QPSK, High Channel



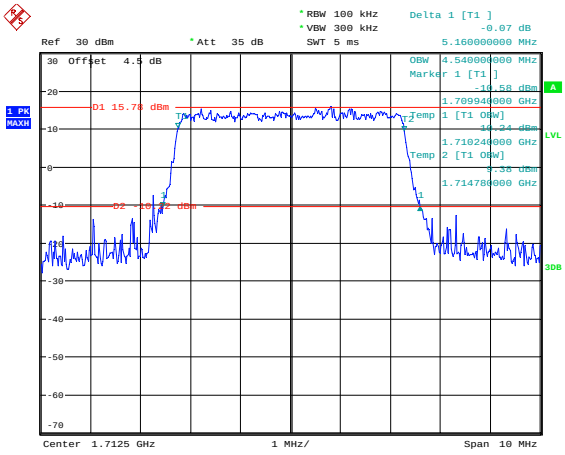
Date: 28.JAN.2021 15:51:38

3M, 16QAM, High Channel



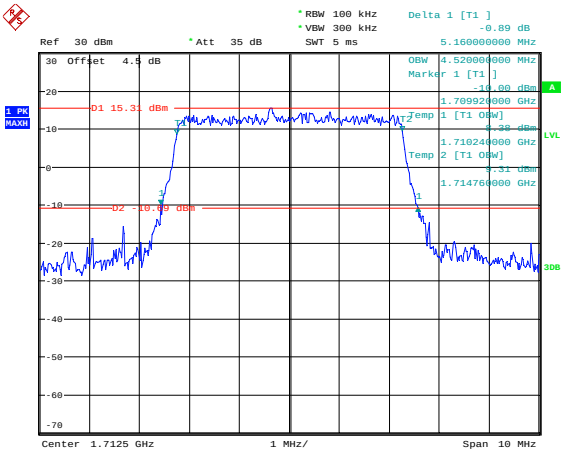
Date: 28.JAN.2021 15:52:01

5M, QPSK, Low Channel



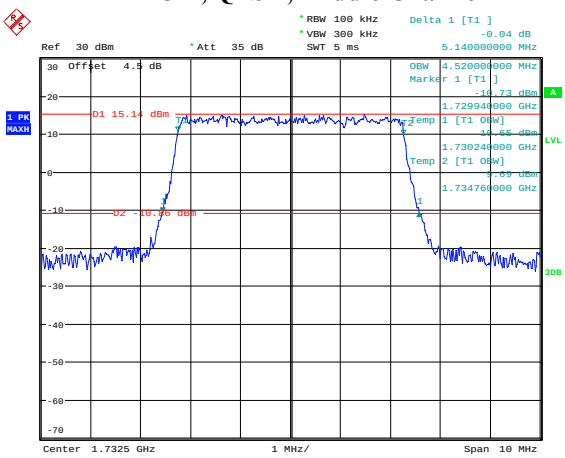
Date: 28.JAN.2021 15:52:30

5M, 16QAM, Low Channel



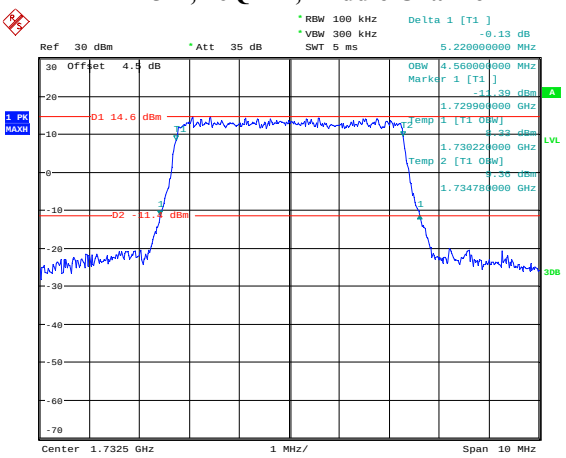
Date: 28.JAN.2021 15:52:52

5M, QPSK, Middle Channel



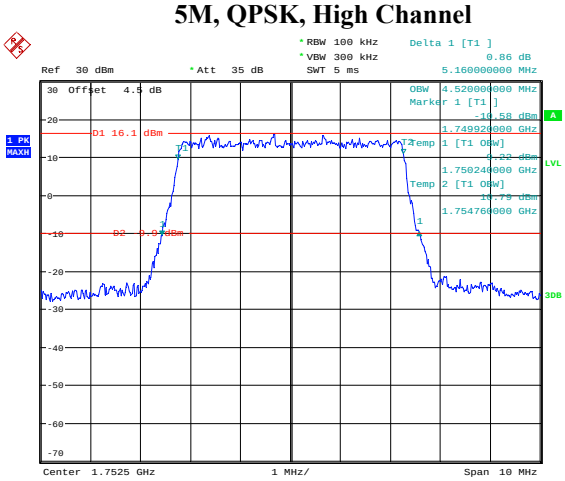
Date: 28.JAN.2021 15:53:16

5M, 16QAM, Middle Channel



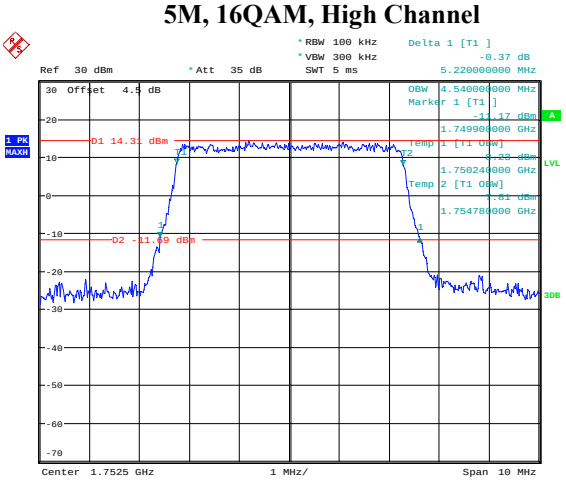
Date: 28.JAN.2021 15:53:39

5M, QPSK, High Channel



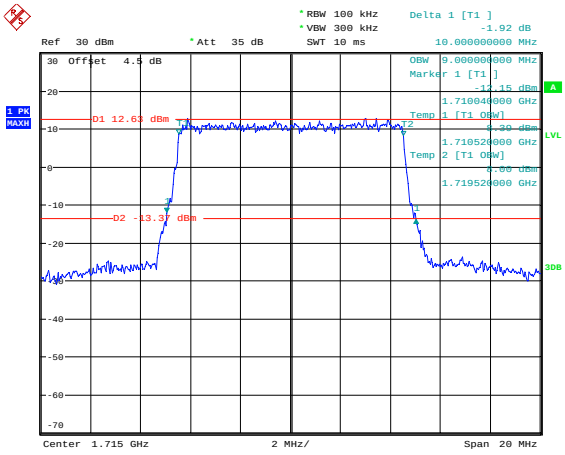
Date: 28.JAN.2021 15:54:02

5M, 16QAM, High Channel



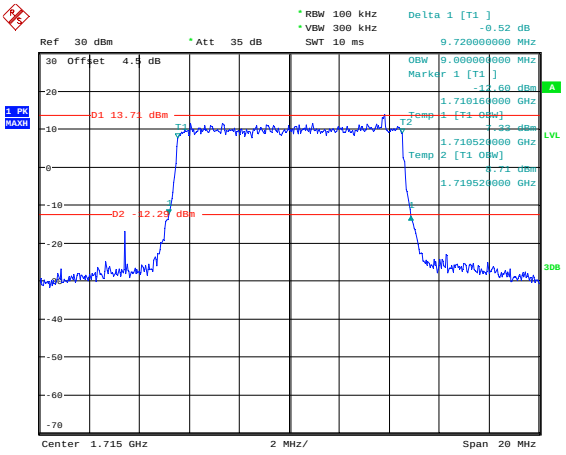
Date: 28.JAN.2021 15:54:24

10M, QPSK, Low Channel



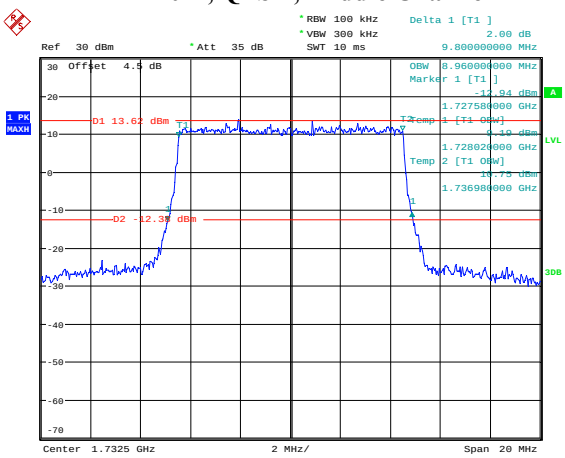
Date: 28.JAN.2021 15:54:51

10M, 16QAM, Low Channel



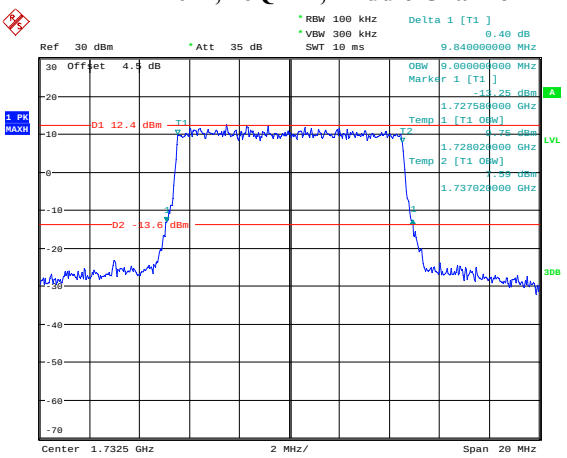
Date: 28.JAN.2021 15:55:15

10M, QPSK, Middle Channel



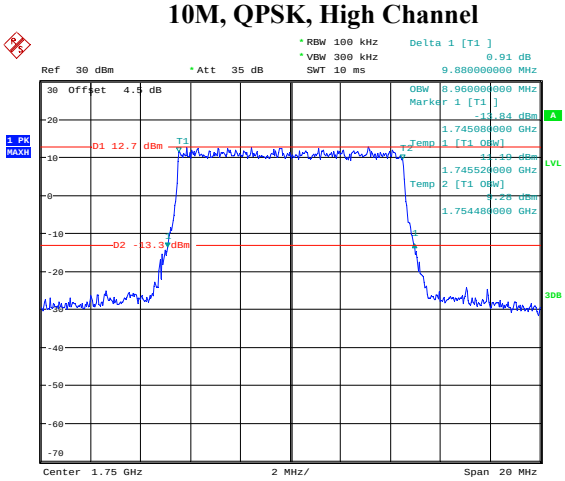
Date: 28.JAN.2021 15:55:39

10M, 16QAM, Middle Channel



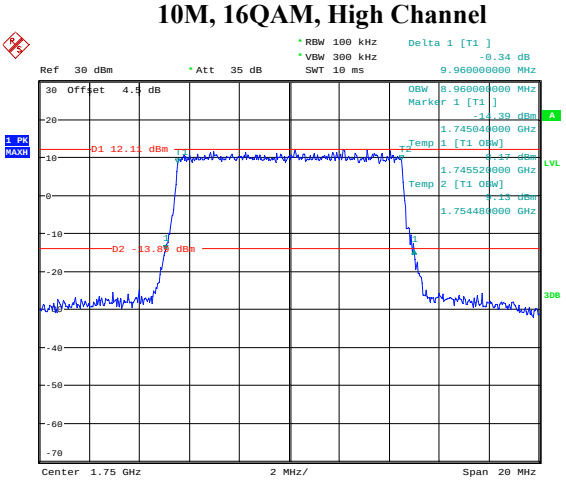
Date: 28.JAN.2021 15:56:03

10M, QPSK, High Channel



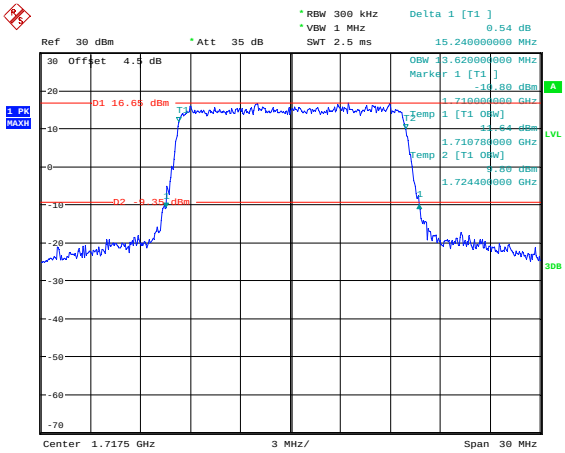
Date: 28.JAN.2021 15:56:27

10M, 16QAM, High Channel



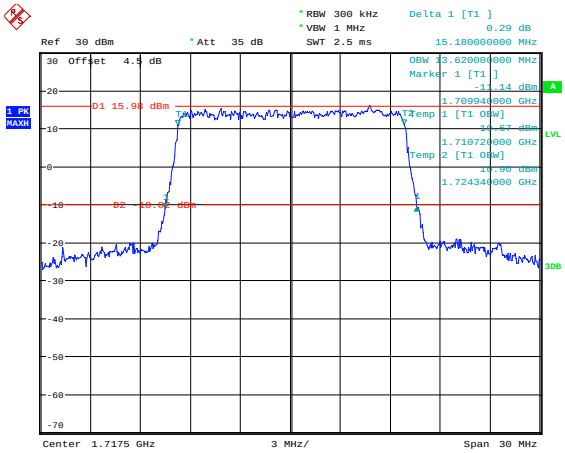
Date: 28.JAN.2021 15:56:50

15M, QPSK, Low Channel



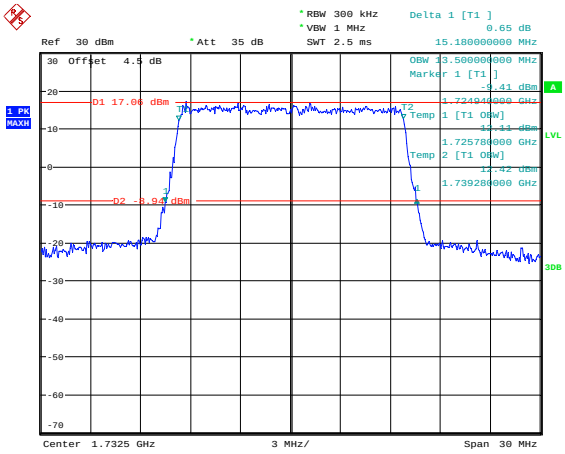
Date: 28.JAN.2021 15:57:20

15M, 16QAM, Low Channel



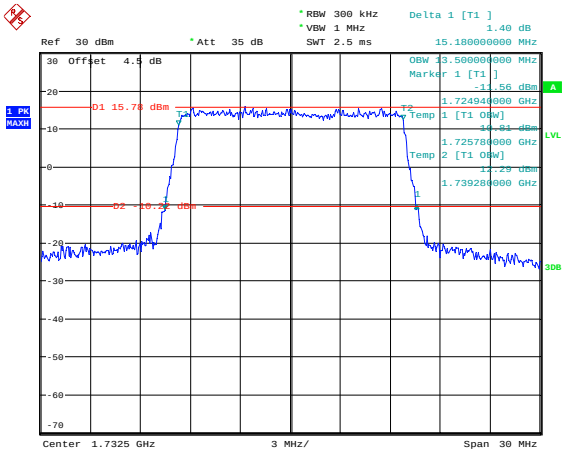
Date: 28.JAN.2021 15:57:46

15M, QPSK, Middle Channel



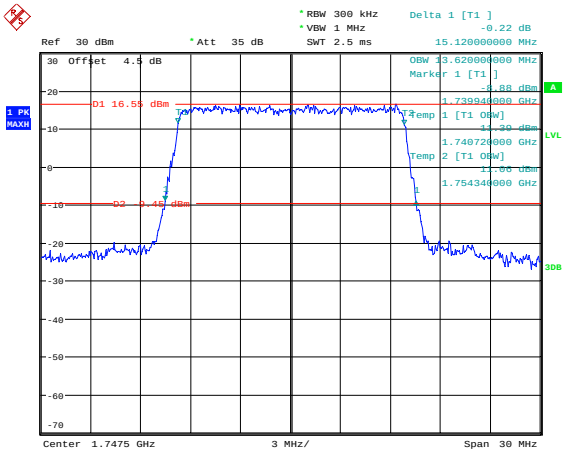
Date: 28.JAN.2021 15:58:13

15M, 16QAM, Middle Channel



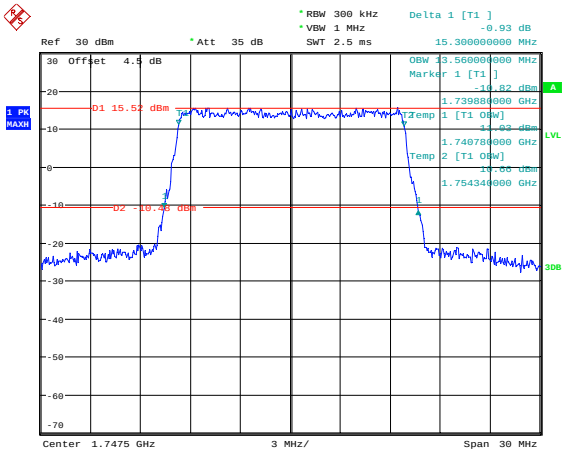
Date: 28.JAN.2021 15:58:38

15M, QPSK, High Channel



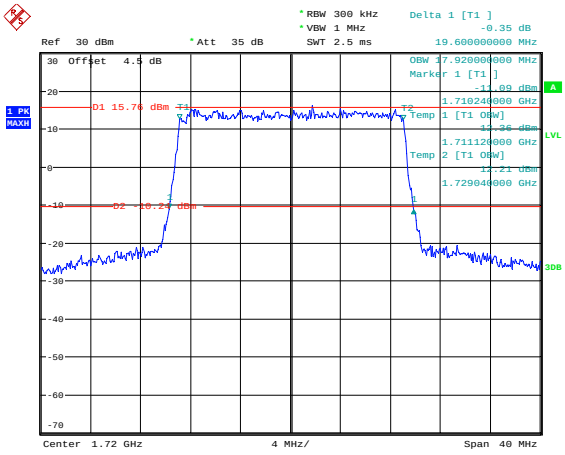
Date: 28.JAN.2021 15:59:05

15M, 16QAM, High Channel



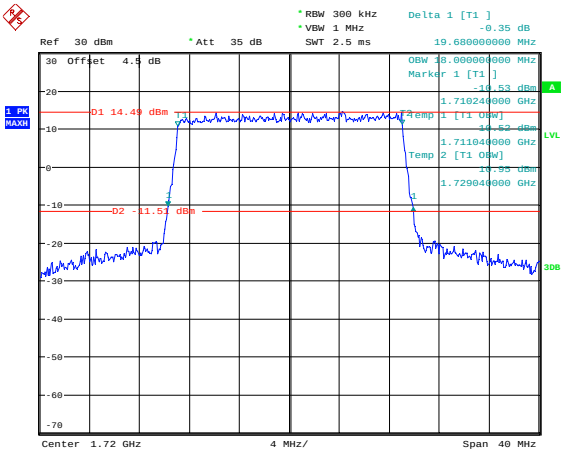
Date: 28.JAN.2021 15:59:31

20M, QPSK, Low Channel



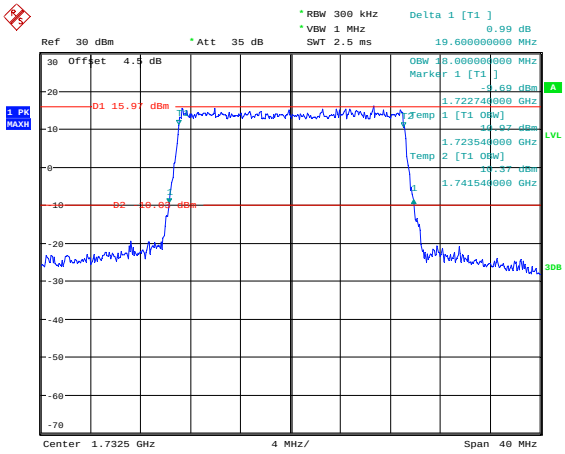
Date: 28.JAN.2021 16:00:01

20M, 16QAM, Low Channel



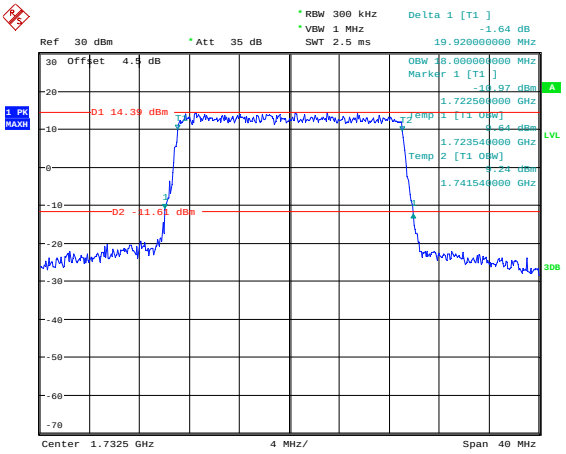
Date: 28.JAN.2021 16:00:30

20M, QPSK, Middle Channel



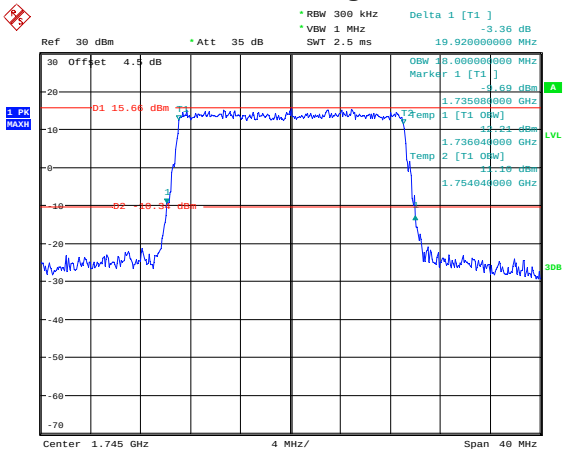
Date: 28.JAN.2021 16:00:57

20M, 16QAM, Middle Channel



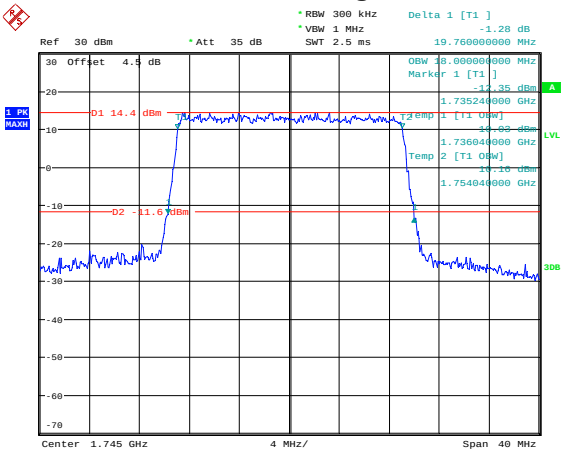
Date: 28.JAN.2021 16:01:23

20M, QPSK, High Channel



Date: 28.JAN.2021 16:01:50

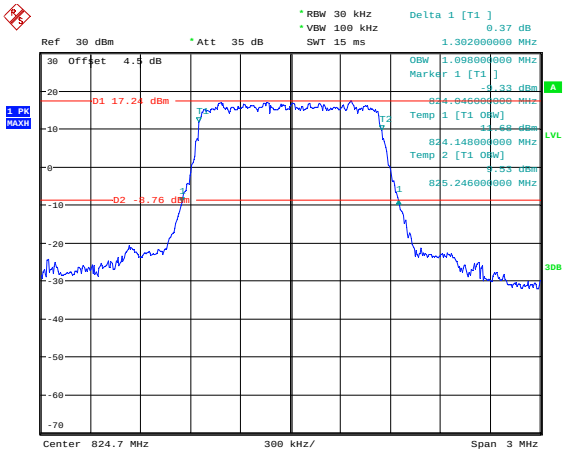
20M, 16QAM, High Channel



Date: 28.JAN.2021 16:02:16

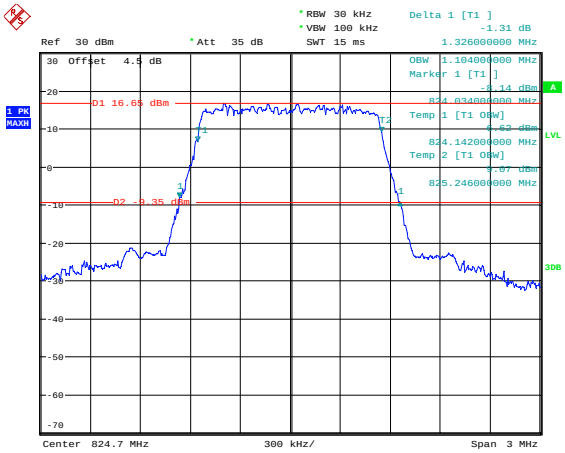
LTE Band 5:

1.4M, QPSK, Low Channel



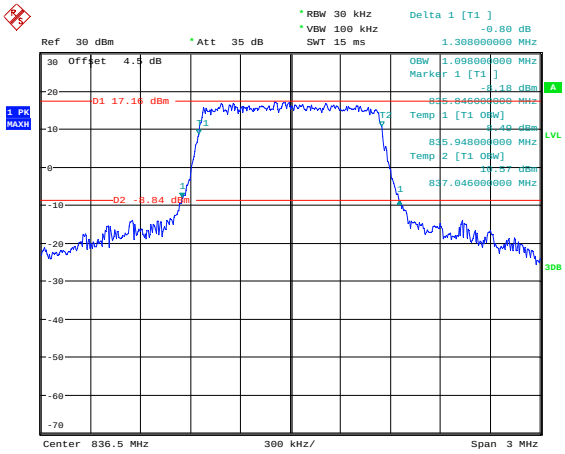
Date: 28.JAN.2021 16:02:41

1.4M, 16QAM, Low Channel



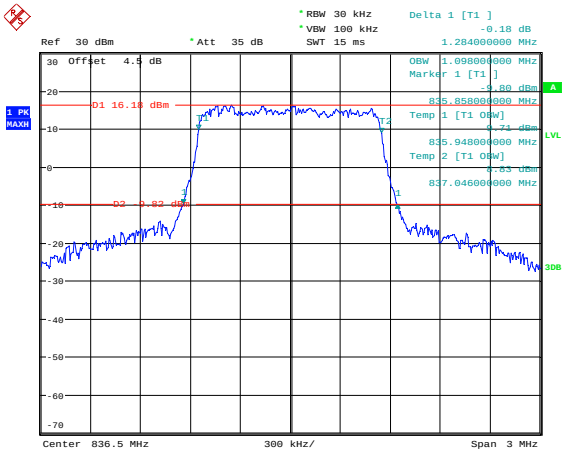
Date: 28.JAN.2021 16:03:04

1.4M, QPSK, Middle Channel



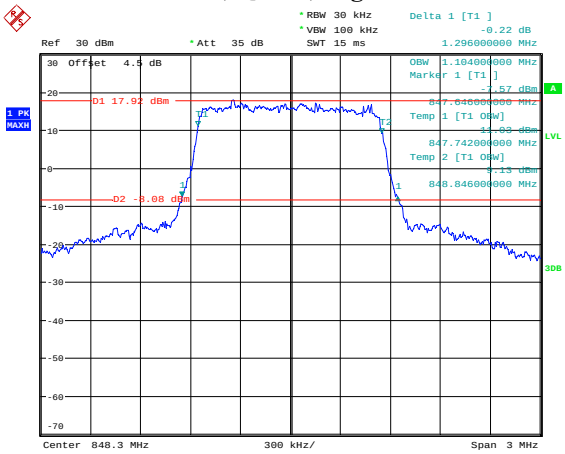
Date: 28.JAN.2021 16:03:27

1.4M, 16QAM, Middle Channel



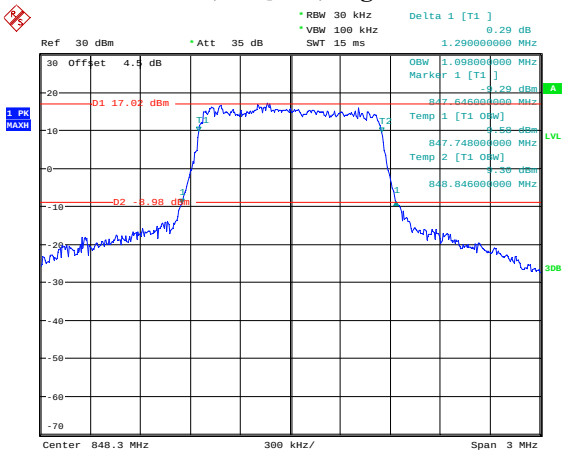
Date: 28.JAN.2021 16:03:49

1.4M, QPSK, High Channel



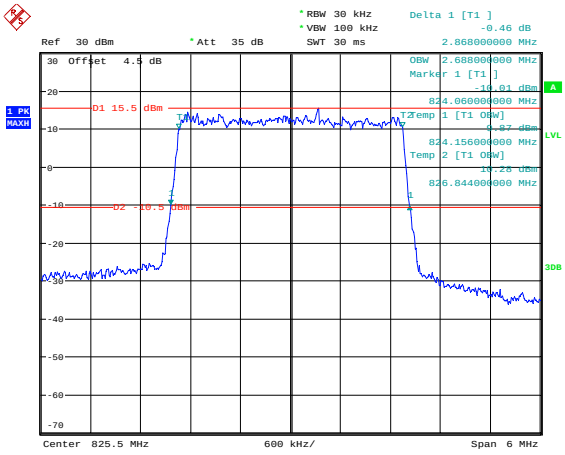
Date: 28.JAN.2021 16:04:13

1.4M, 16QAM, High Channel



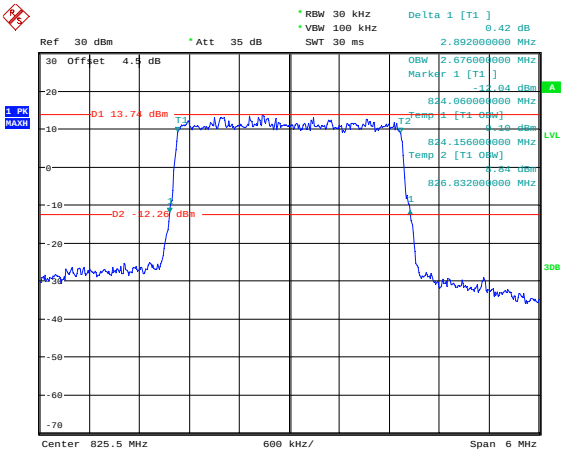
Date: 28.JAN.2021 16:04:35

3M, QPSK, Low Channel



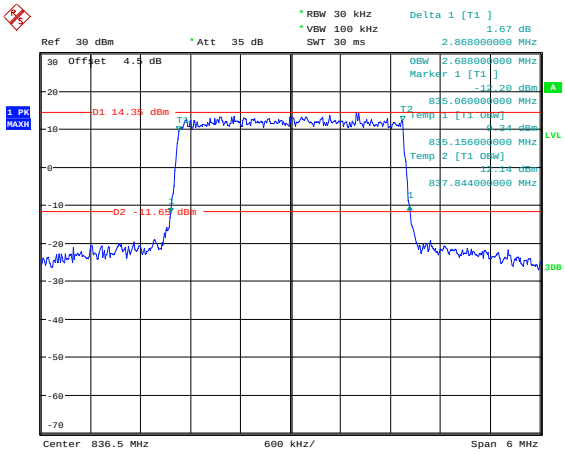
Date: 28.JAN.2021 16:05:01

3M, 16QAM, Low Channel



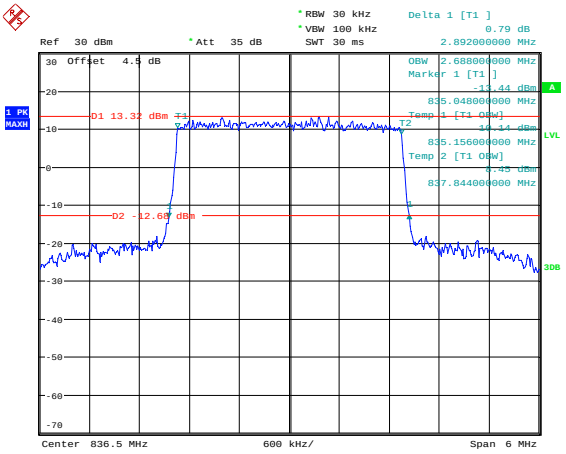
Date: 28.JAN.2021 16:05:20

3M, QPSK, Middle Channel



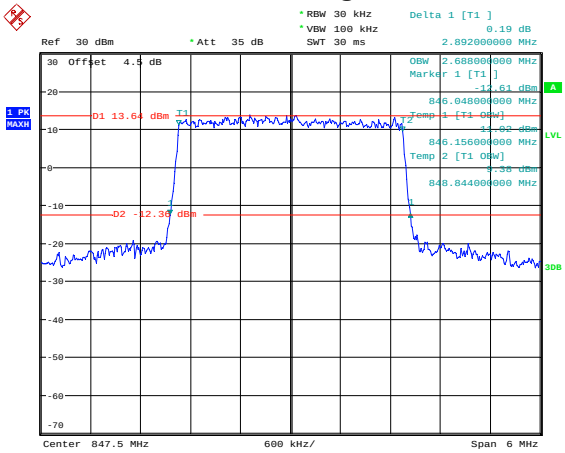
Date: 28.JAN.2021 16:05:43

3M, 16QAM, Middle Channel



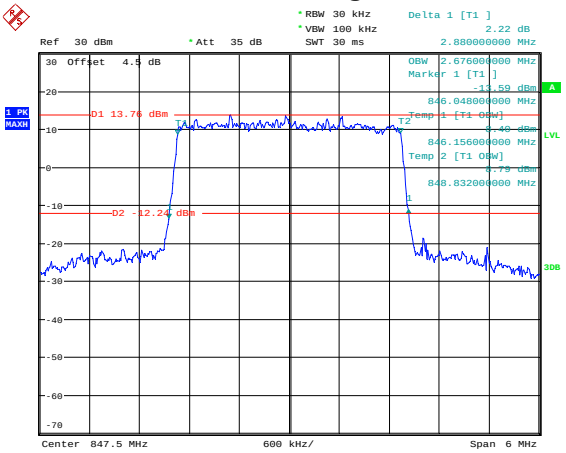
Date: 28.JAN.2021 16:06:13

3M, QPSK, High Channel



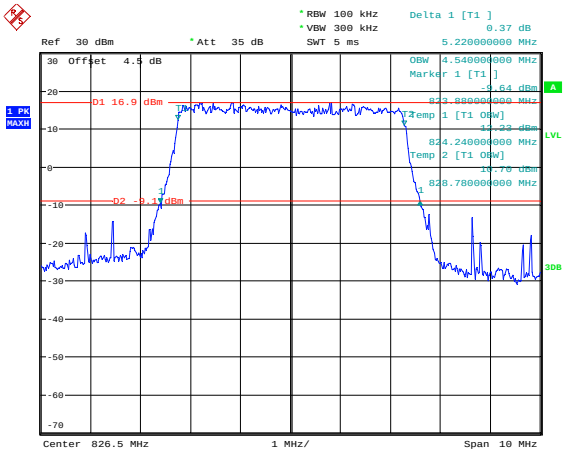
Date: 28.JAN.2021 16:06:36

3M, 16QAM, High Channel



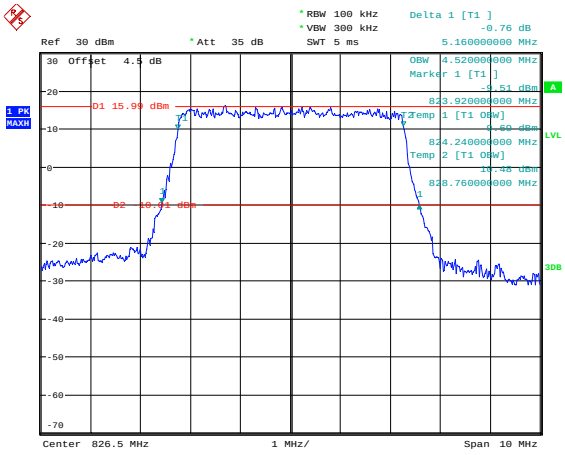
Date: 28.JAN.2021 16:06:58

5M, QPSK, Low Channel



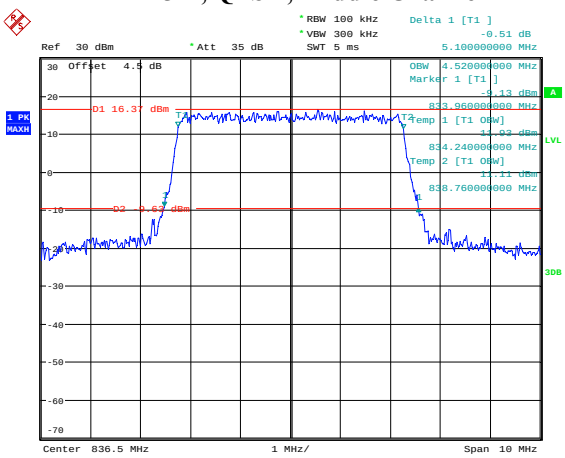
Date: 28.JAN.2021 16:07:28

5M, 16QAM, Low Channel



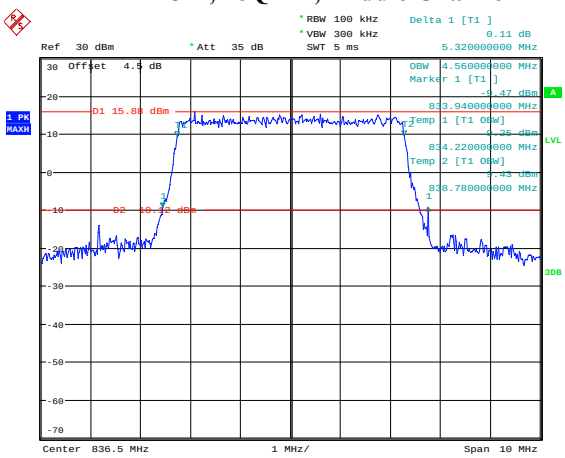
Date: 28.JAN.2021 16:07:54

5M, QPSK, Middle Channel



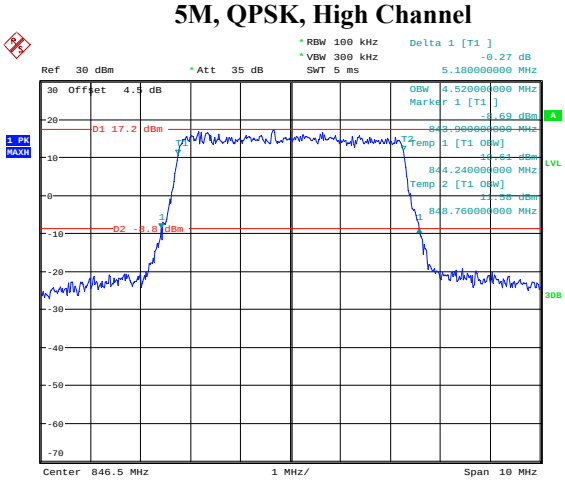
Date: 28.JAN.2021 16:08:21

5M, 16QAM, Middle Channel



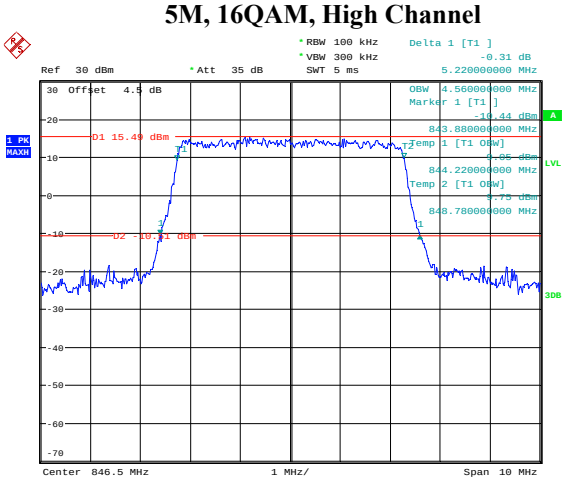
Date: 28.JAN.2021 16:08:48

5M, QPSK, High Channel



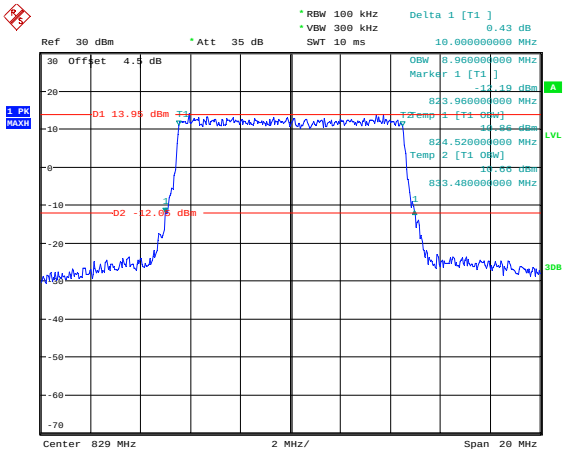
Date: 28.JAN.2021 16:09:15

5M, 16QAM, High Channel



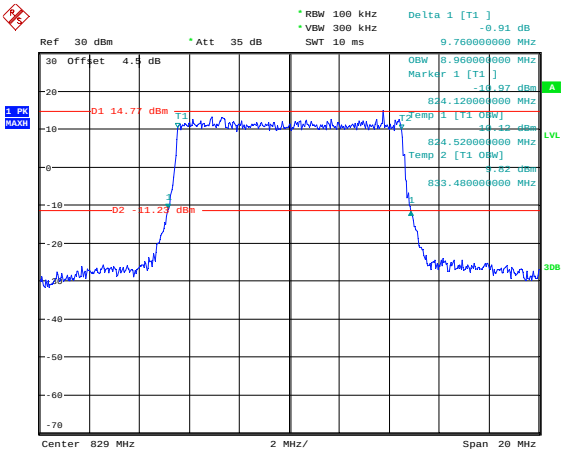
Date: 28.JAN.2021 16:09:41

10M, QPSK, Low Channel



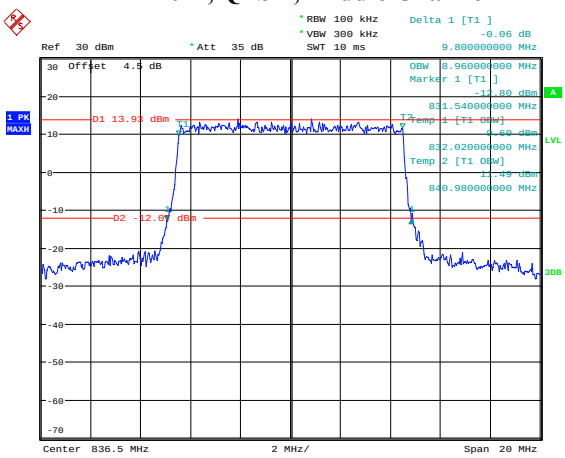
Date: 28.JAN.2021 16:10:11

10M, 16QAM, Low Channel



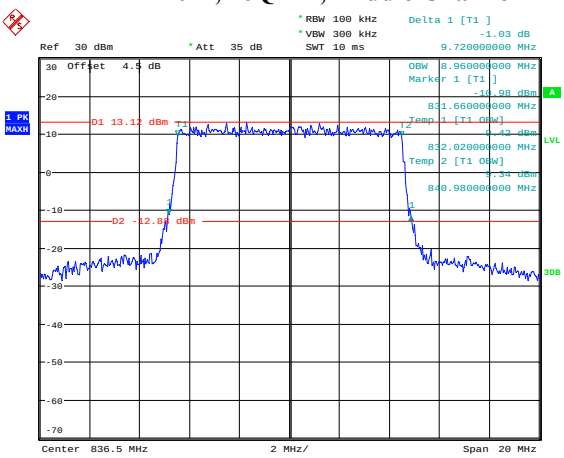
Date: 28.JAN.2021 16:10:39

10M, QPSK, Middle Channel



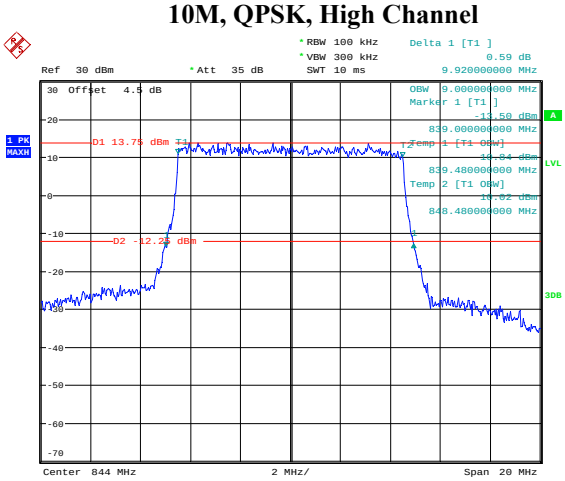
Date: 28.JAN.2021 16:11:03

10M, 16QAM, Middle Channel



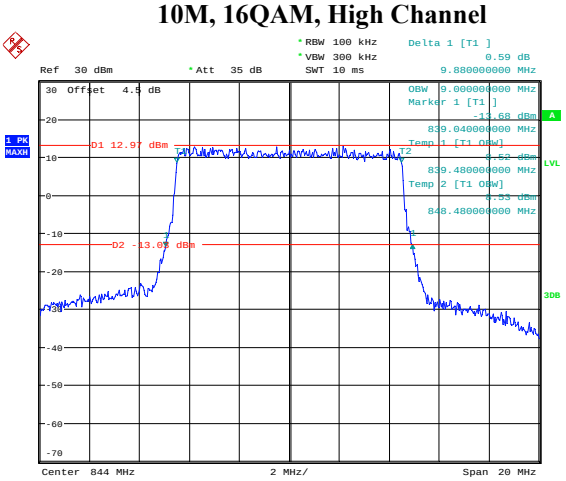
Date: 28.JAN.2021 16:11:30

10M, QPSK, High Channel



Date: 28.JAN.2021 16:11:58

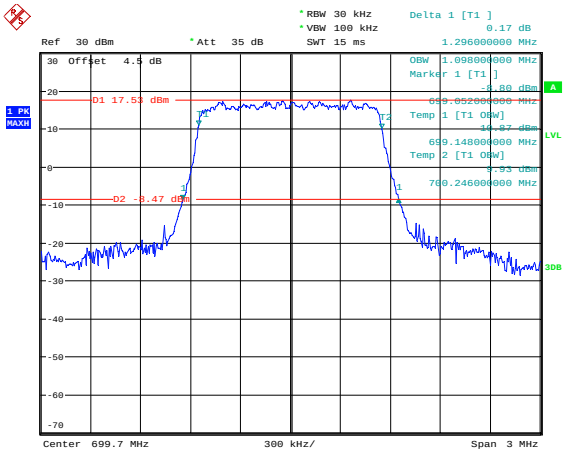
10M, 16QAM, High Channel



Date: 28.JAN.2021 16:12:26

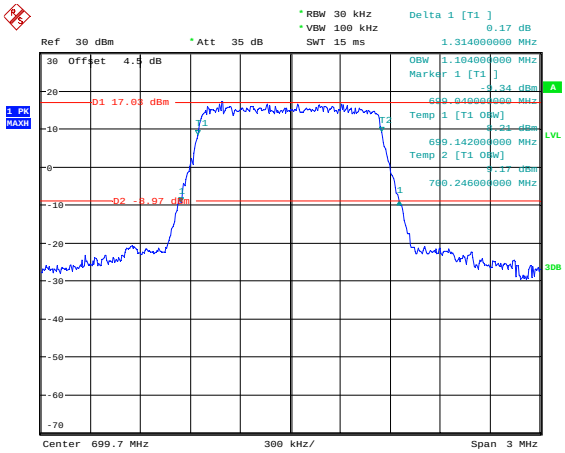
LTE Band 12:

1.4M, QPSK, Low Channel



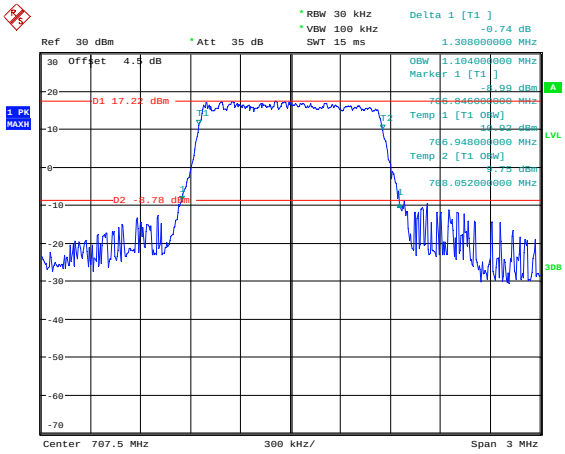
Date: 28.JAN.2021 16:12:55

1.4M, 16QAM, Low Channel



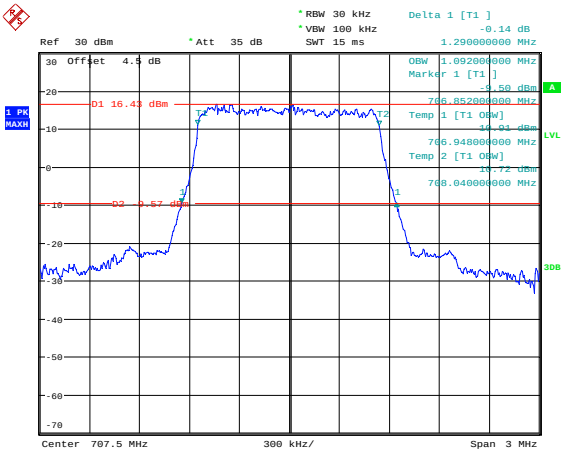
Date: 28.JAN.2021 16:13:18

1.4M, QPSK, Middle Channel



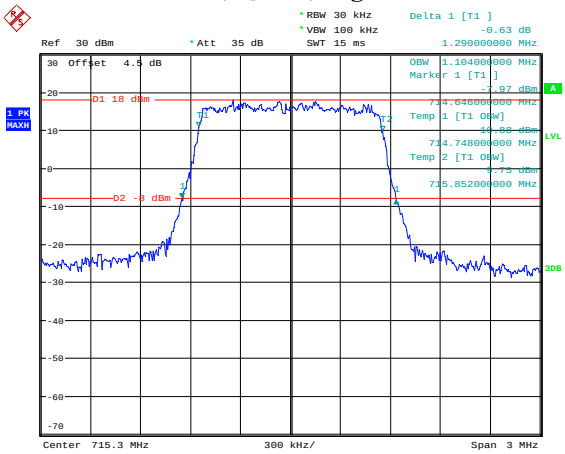
Date: 28.JAN.2021 16:13:49

1.4M, 16QAM, Middle Channel



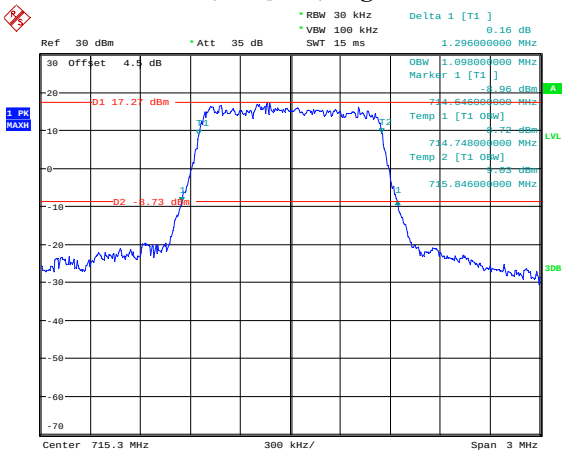
Date: 28.JAN.2021 16:14:08

1.4M, QPSK, High Channel



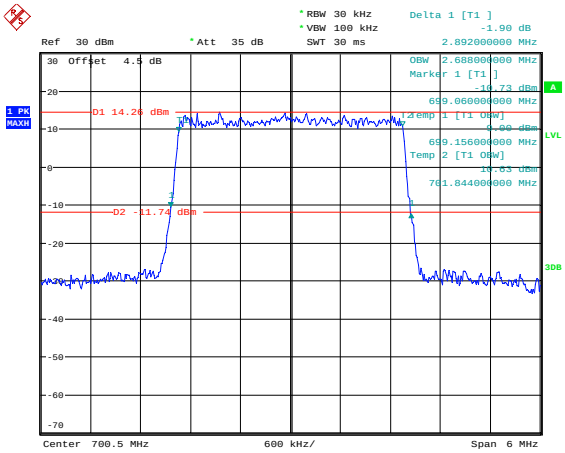
Date: 28.JAN.2021 16:14:28

1.4M, 16QAM, High Channel



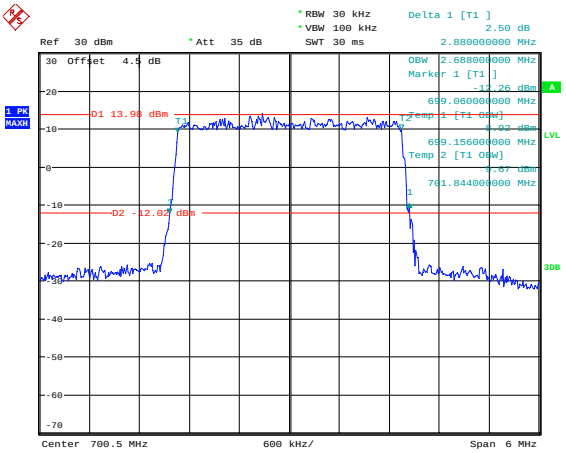
Date: 28.JAN.2021 16:14:50

3M, QPSK, Low Channel



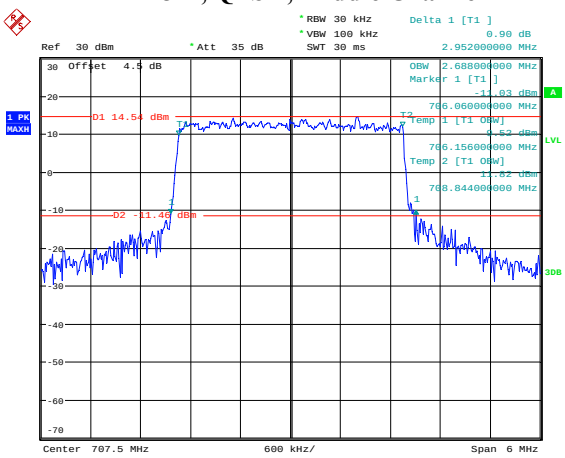
Date: 28.JAN.2021 16:15:12

3M, 16QAM, Low Channel



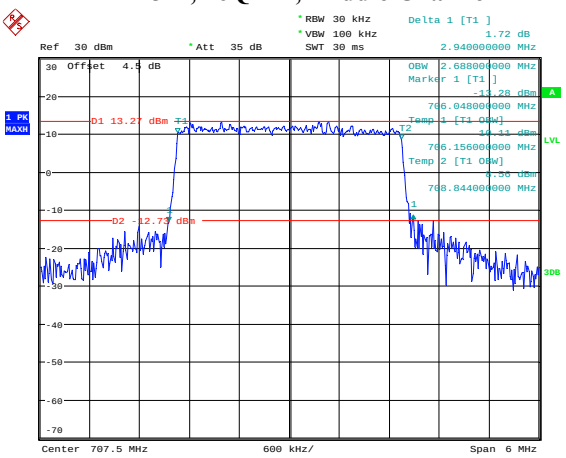
Date: 28.JAN.2021 16:15:34

3M, QPSK, Middle Channel



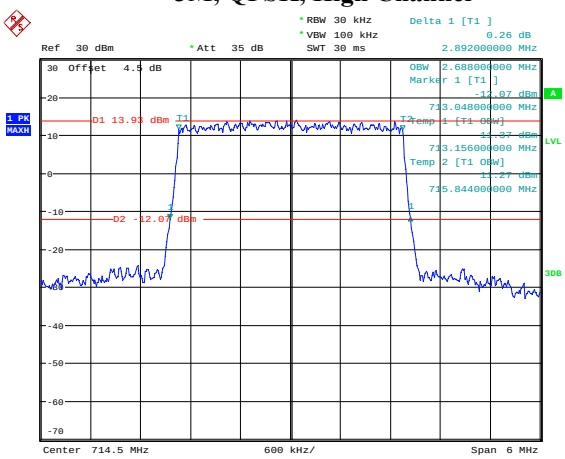
Date: 28.JAN.2021 16:16:05

3M, 16QAM, Middle Channel



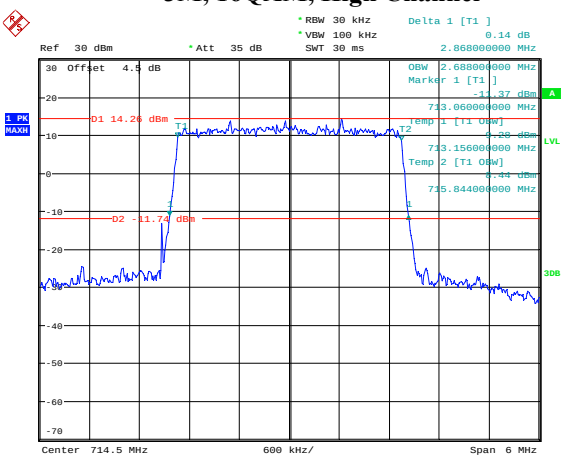
Date: 28.JAN.2021 16:16:31

3M, QPSK, High Channel



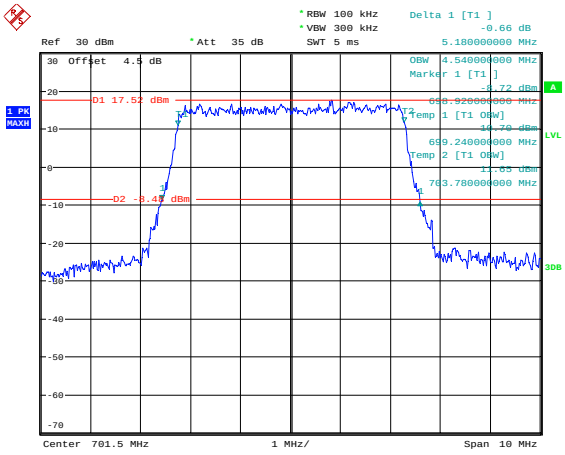
Date: 28.JAN.2021 16:16:55

3M, 16QAM, High Channel



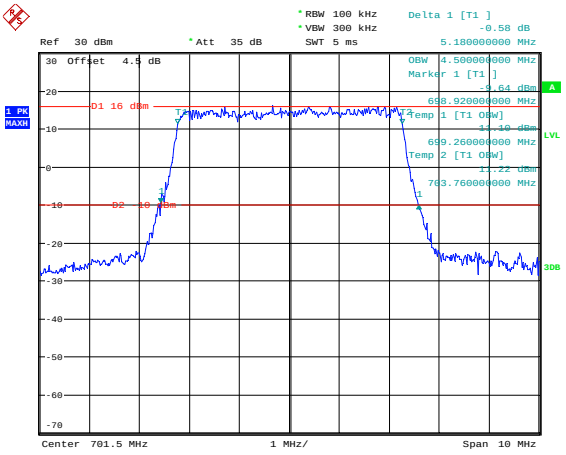
Date: 28.JAN.2021 16:17:17

5M, QPSK, Low Channel



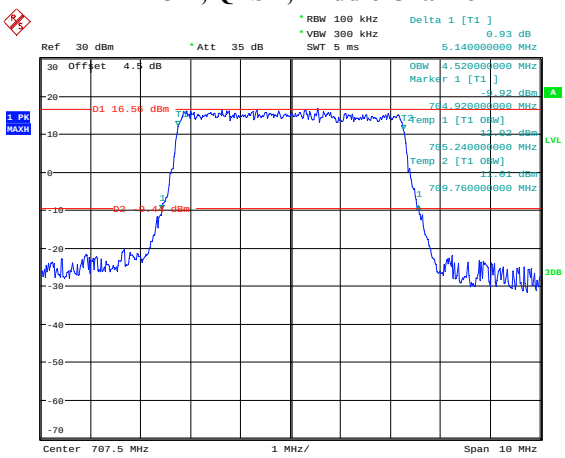
Date: 28.JAN.2021 16:17:47

5M, 16QAM, Low Channel



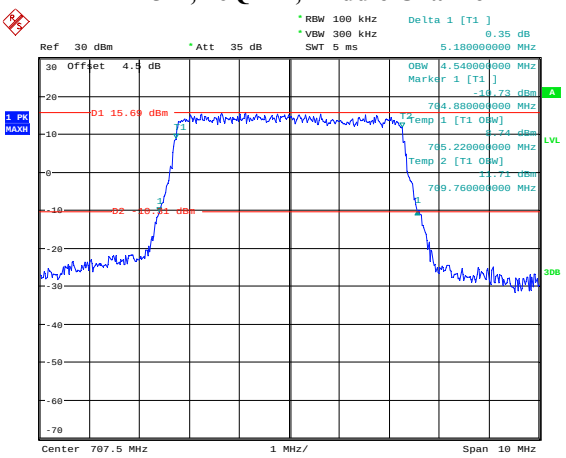
Date: 28.JAN.2021 16:18:19

5M, QPSK, Middle Channel



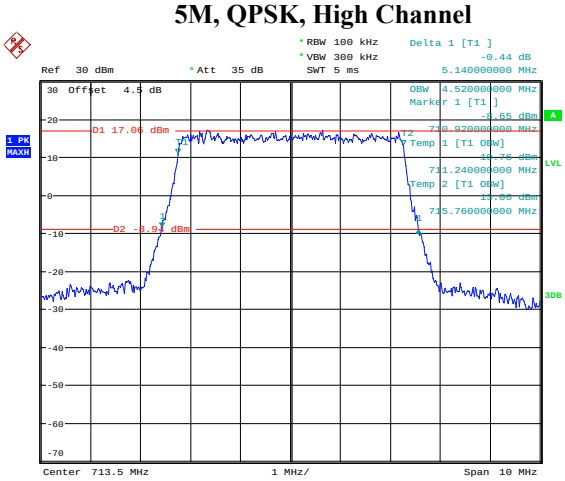
Date: 28.JAN.2021 16:18:46

5M, 16QAM, Middle Channel



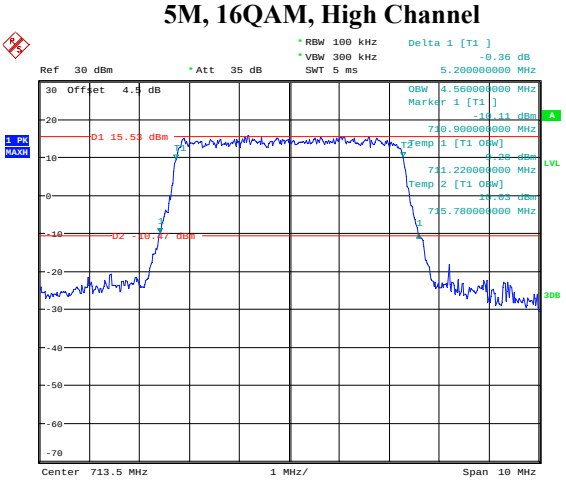
Date: 28.JAN.2021 16:19:13

5M, QPSK, High Channel



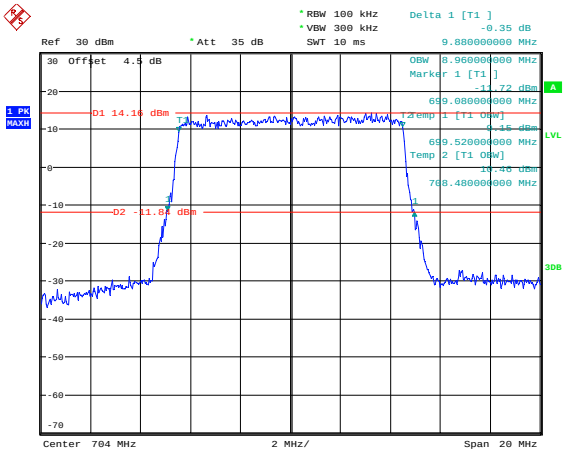
Date: 28.JAN.2021 16:19:36

5M, 16QAM, High Channel



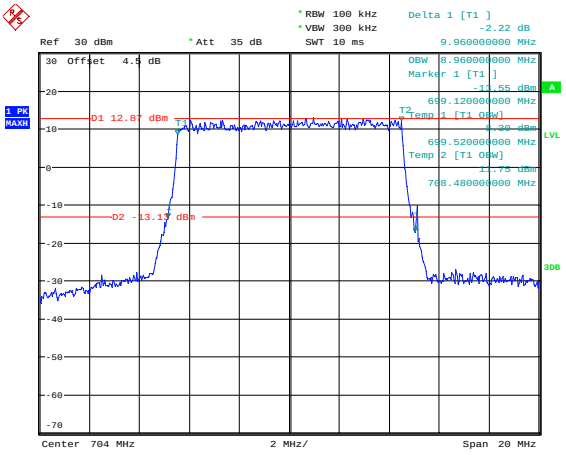
Date: 28.JAN.2021 16:19:59

10M, QPSK, Low Channel



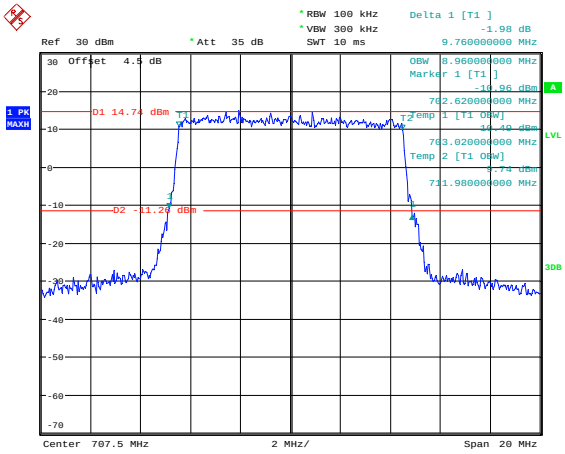
Date: 28.JAN.2021 16:20:27

10M, 16QAM, Low Channel



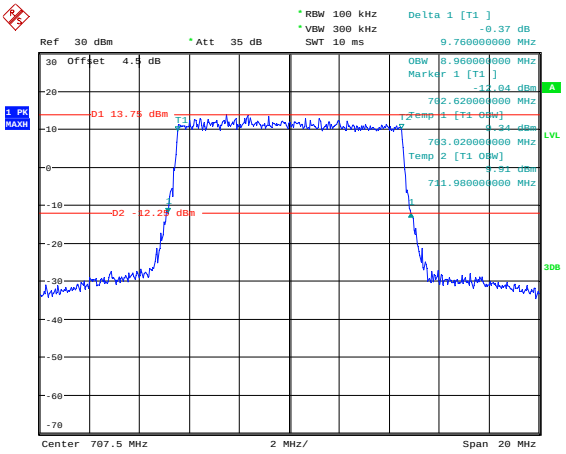
Date: 28.JAN.2021 16:20:50

10M, QPSK, Middle Channel



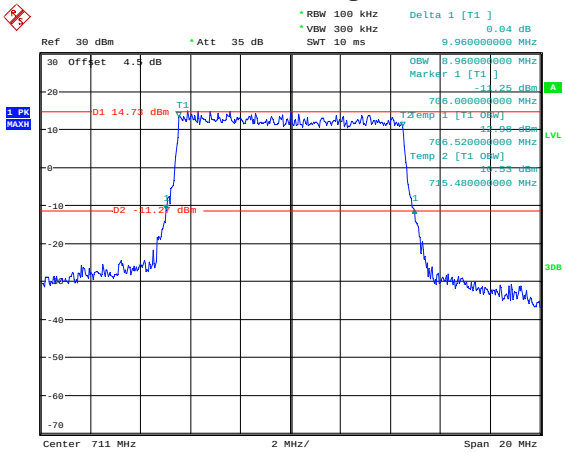
Date: 28.JAN.2021 16:21:15

10M, 16QAM, Middle Channel



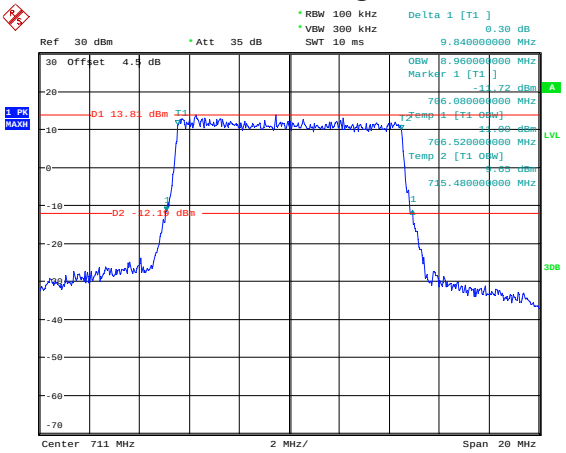
Date: 28.JAN.2021 16:21:38

10M, QPSK, High Channel



Date: 28.JAN.2021 16:22:07

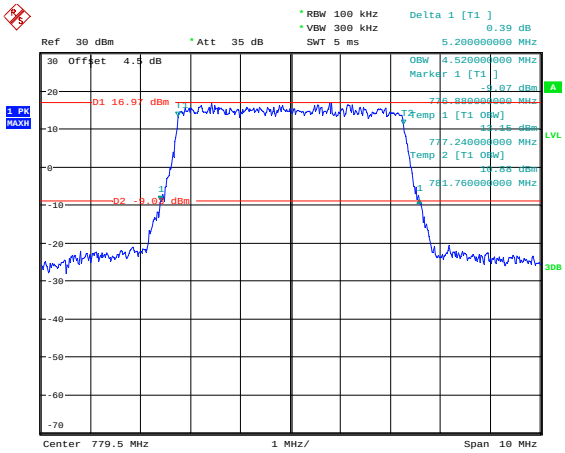
10M, 16QAM, High Channel



Date: 28.JAN.2021 16:22:30

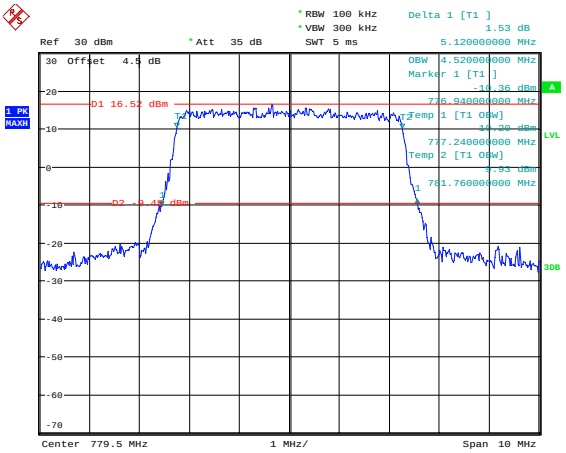
LTE Band 13:

5M, QPSK, Low Channel



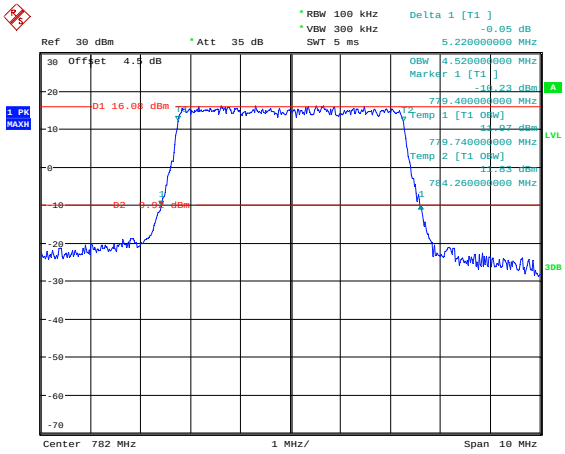
Date: 28.JAN.2021 16:22:57

5M, 16QAM, Low Channel



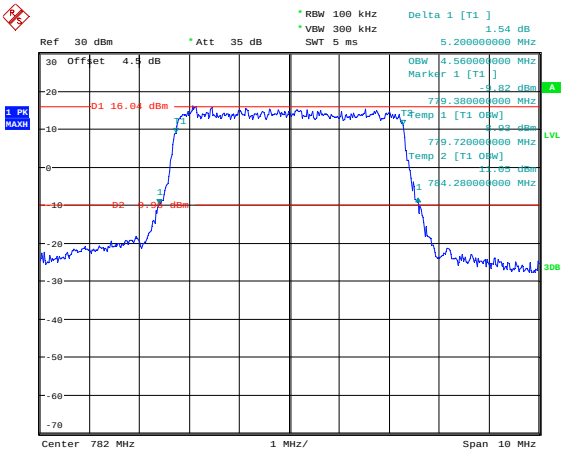
Date: 28.JAN.2021 16:23:20

5M, QPSK, Middle Channel



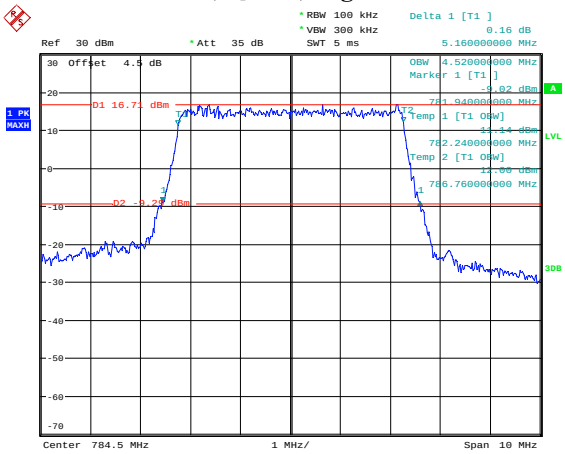
Date: 28.JAN.2021 16:23:47

5M, 16QAM, Middle Channel



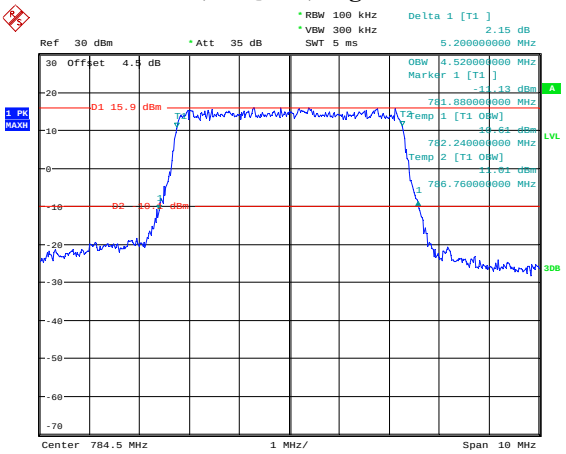
Date: 28.JAN.2021 16:24:11

5M, QPSK, High Channel



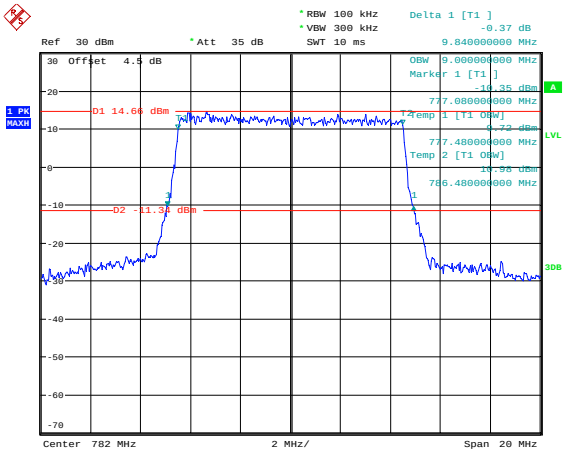
Date: 28.JAN.2021 16:24:35

5M, 16QAM, High Channel



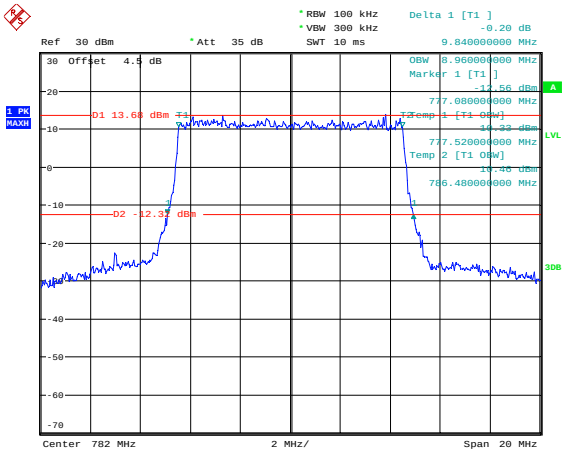
Date: 28.JAN.2021 16:32:21

10M, QPSK, Middle Channel



Date: 28.JAN.2021 16:32:49

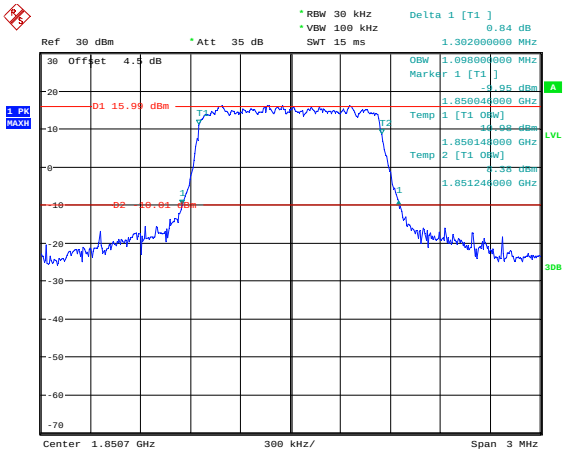
10M, 16QAM, Middle Channel



Date: 28.JAN.2021 16:33:17

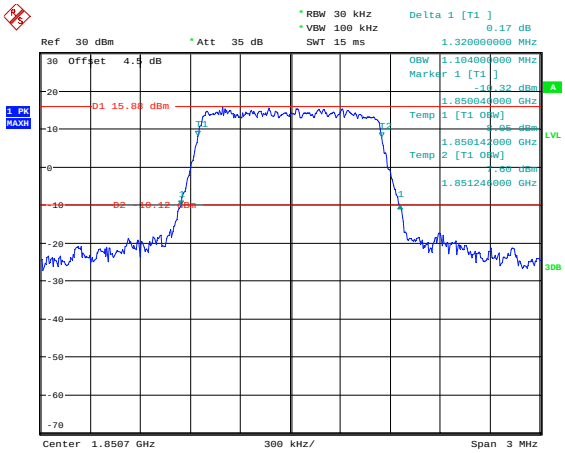
LTE Band 25:

1.4M, QPSK, Low Channel



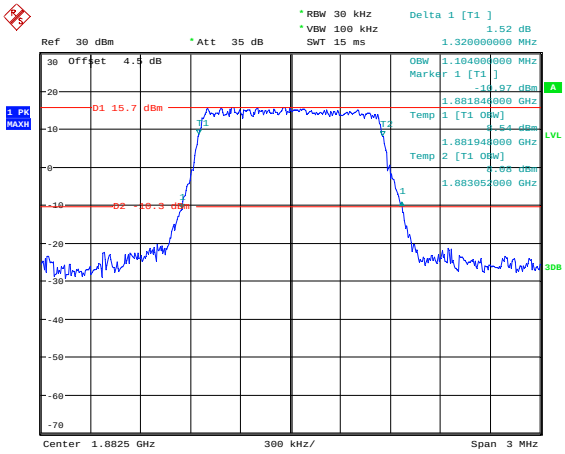
Date: 28.JAN.2021 16:33:48

1.4M, 16QAM, Low Channel



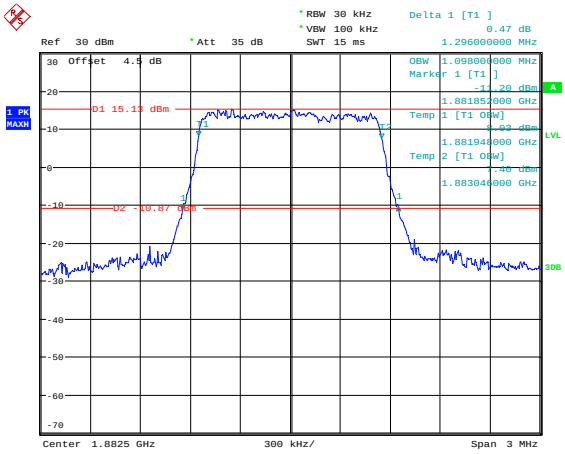
Date: 28.JAN.2021 16:34:14

1.4M, QPSK, Middle Channel



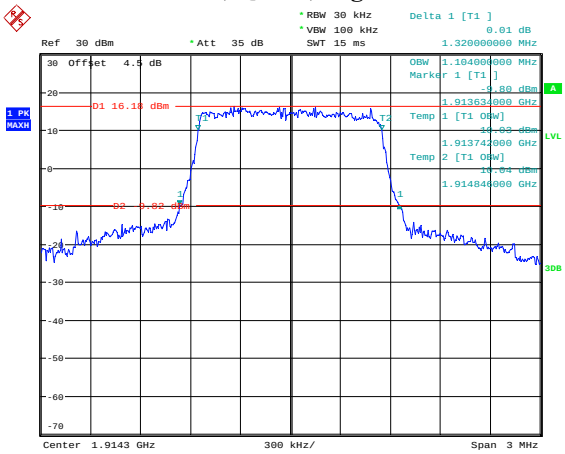
Date: 28.JAN.2021 16:34:37

1.4M, 16QAM, Middle Channel



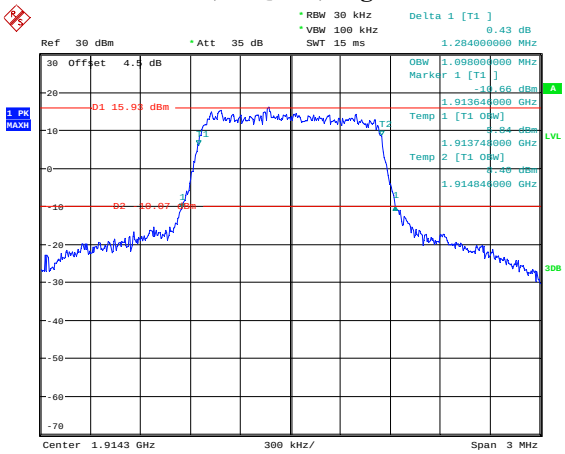
Date: 28.JAN.2021 16:35:00

1.4M, QPSK, High Channel



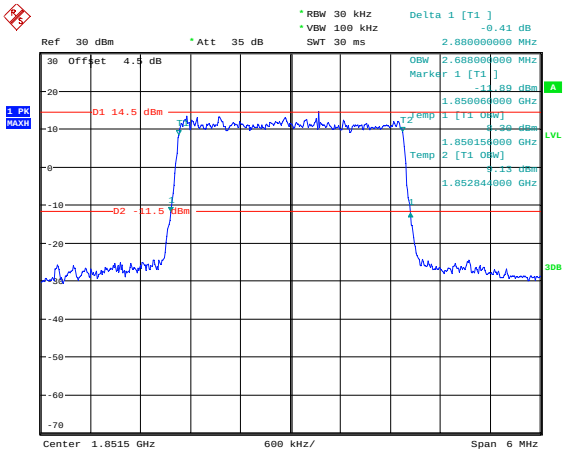
Date: 28.JAN.2021 16:35:23

1.4M, 16QAM, High Channel



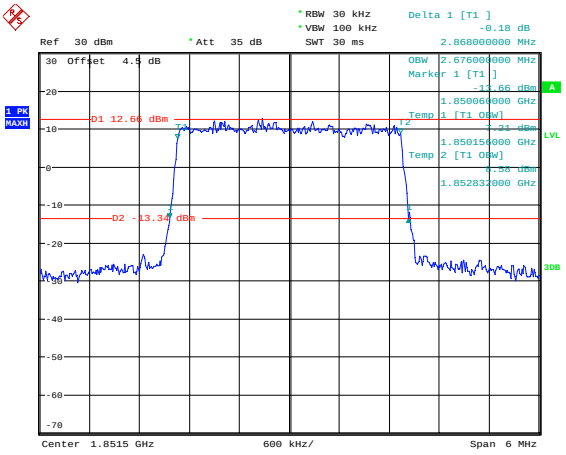
Date: 28.JAN.2021 16:35:42

3M, QPSK, Low Channel



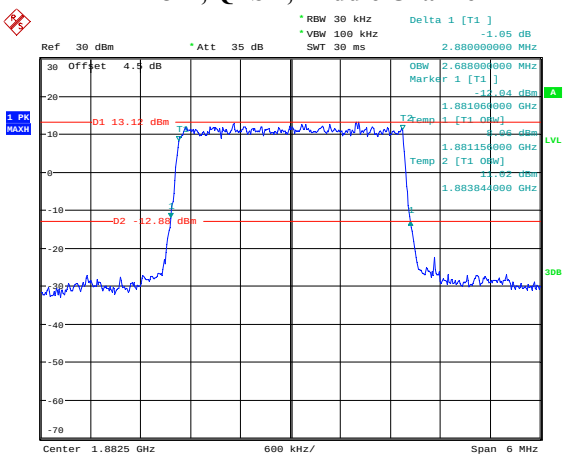
Date: 28.JAN.2021 16:36:09

3M, 16QAM, Low Channel



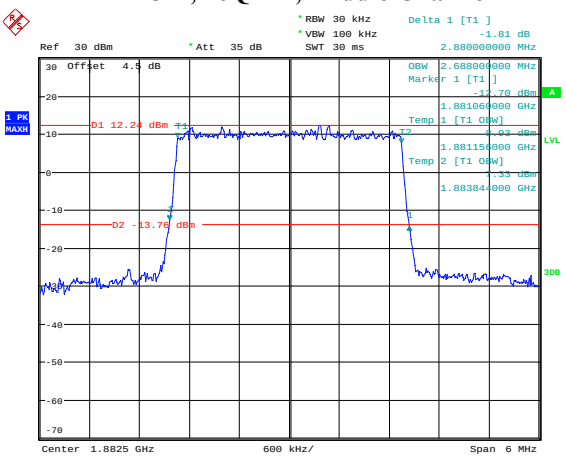
Date: 28.JAN.2021 16:36:28

3M, QPSK, Middle Channel



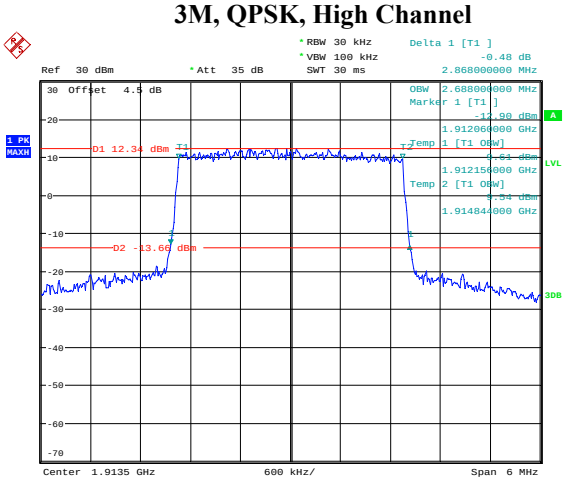
Date: 28.JAN.2021 16:36:52

3M, 16QAM, Middle Channel



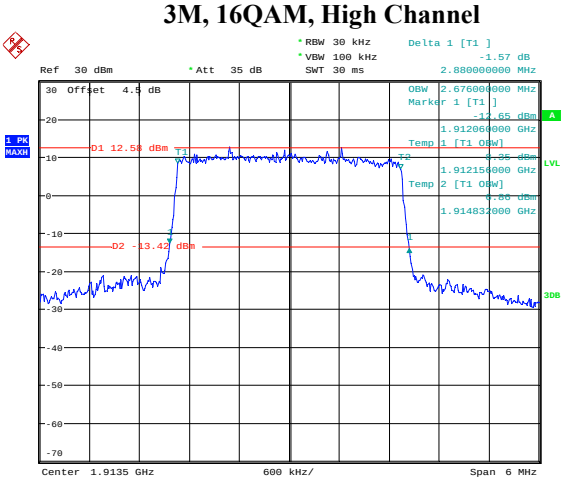
Date: 28.JAN.2021 16:37:10

3M, QPSK, High Channel



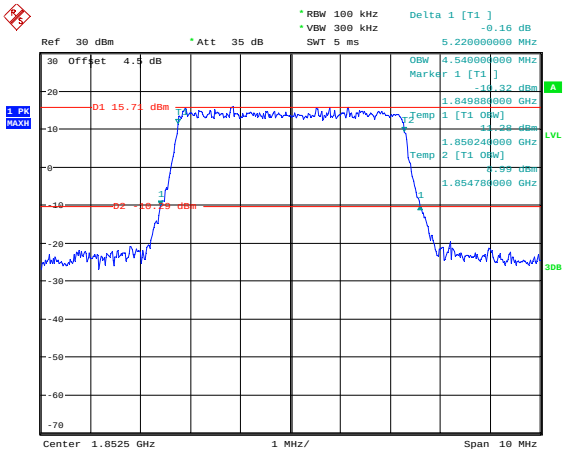
Date: 28.JAN.2021 16:37:34

3M, 16QAM, High Channel



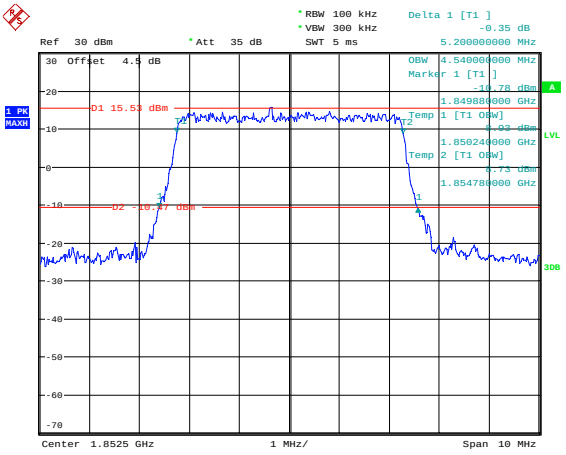
Date: 28.JAN.2021 16:37:56

5M, QPSK, Low Channel



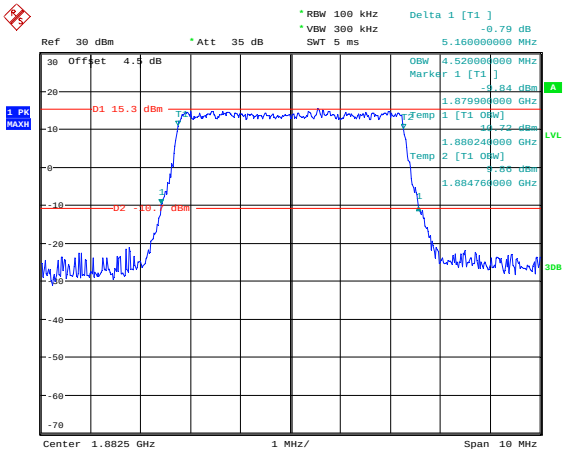
Date: 28.JAN.2021 16:38:27

5M, 16QAM, Low Channel



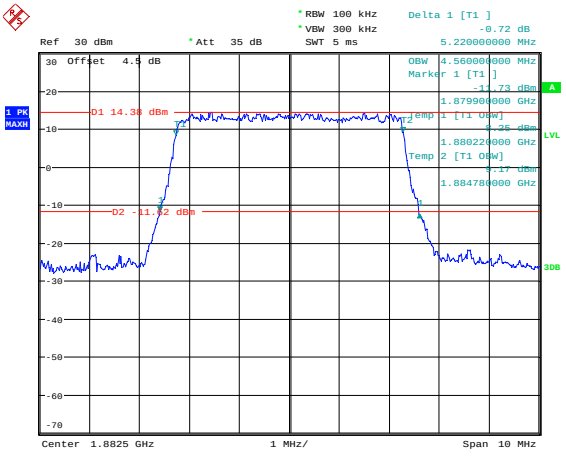
Date: 28.JAN.2021 16:38:54

5M, QPSK, Middle Channel



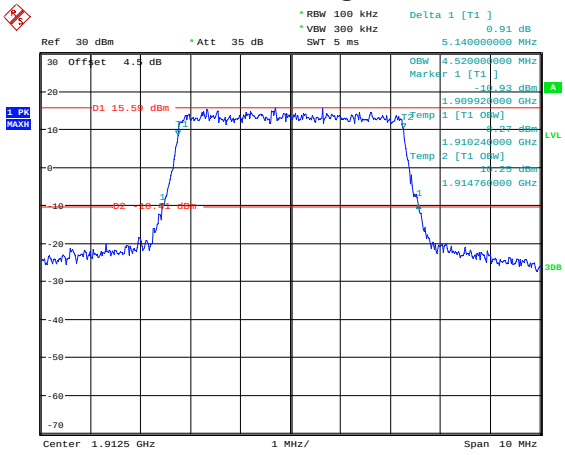
Date: 28.JAN.2021 16:39:17

5M, 16QAM, Middle Channel



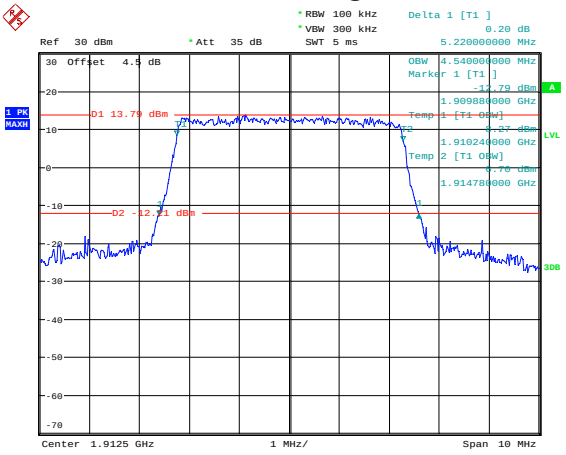
Date: 28.JAN.2021 16:39:44

5M, QPSK, High Channel



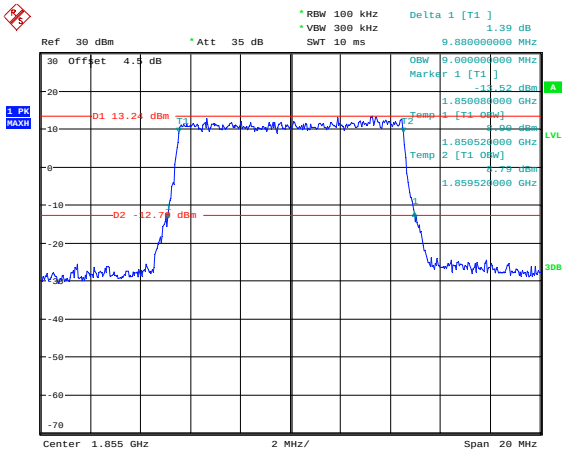
Date: 28.JAN.2021 16:40:07

5M, 16QAM, High Channel



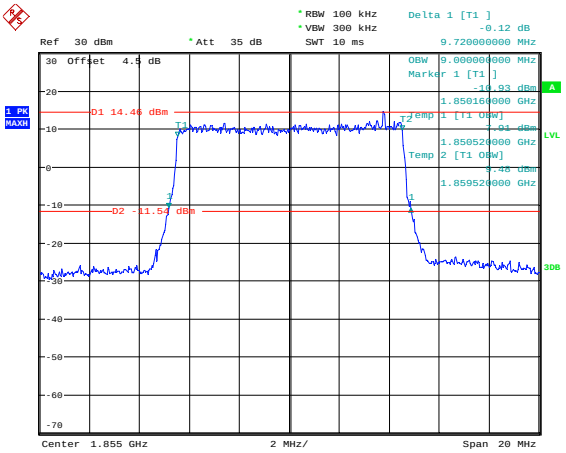
Date: 28.JAN.2021 16:40:33

10M, QPSK, Low Channel



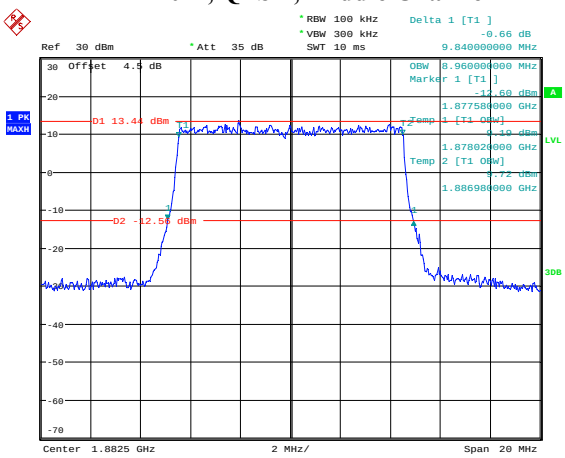
Date: 28.JAN.2021 16:41:02

10M, 16QAM, Low Channel



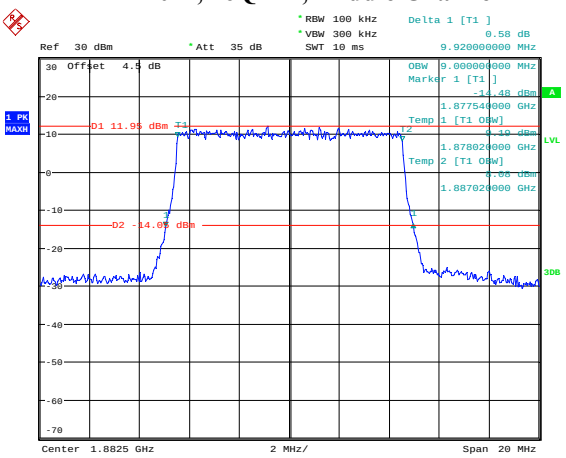
Date: 28.JAN.2021 16:41:25

10M, QPSK, Middle Channel



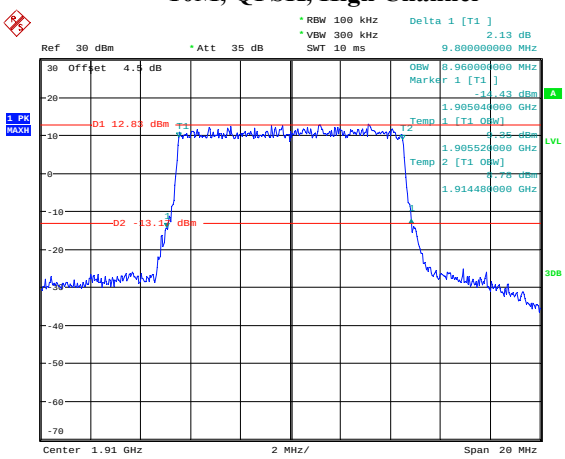
Date: 28.JAN.2021 16:41:50

10M, 16QAM, Middle Channel



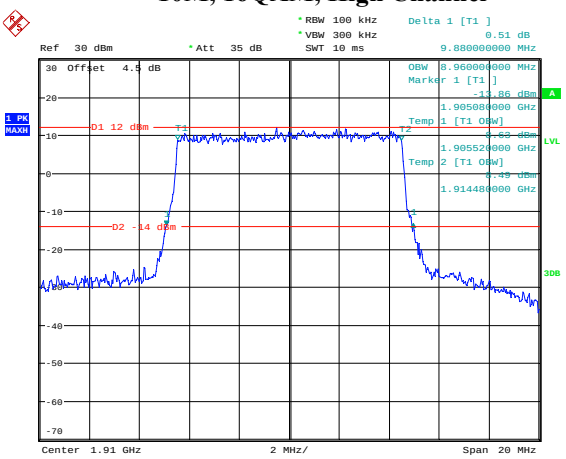
Date: 28.JAN.2021 16:42:13

10M, QPSK, High Channel



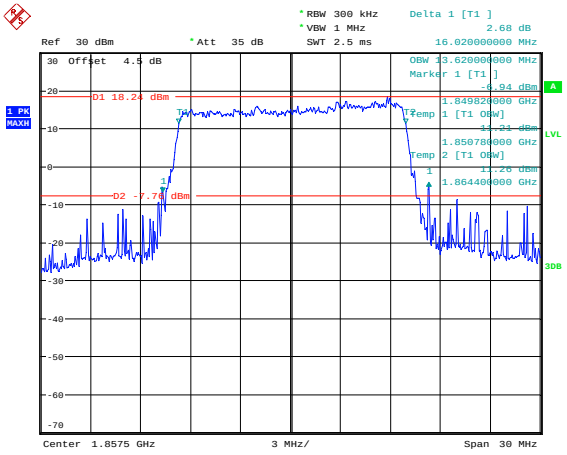
Date: 28.JAN.2021 16:42:38

10M, 16QAM, High Channel



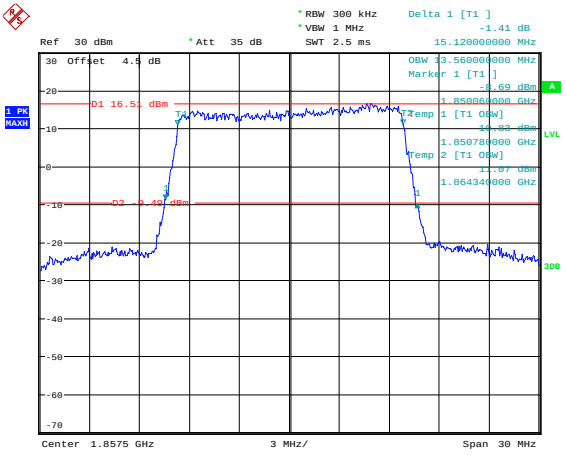
Date: 28.JAN.2021 16:43:01

15M, QPSK, Low Channel



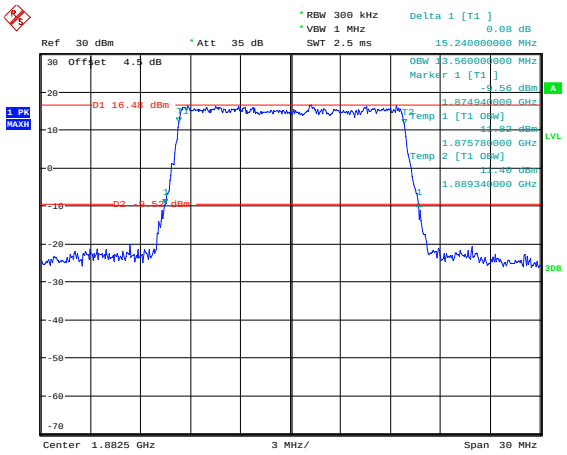
Date: 28.JAN.2021 16:43:32

15M, 16QAM, Low Channel



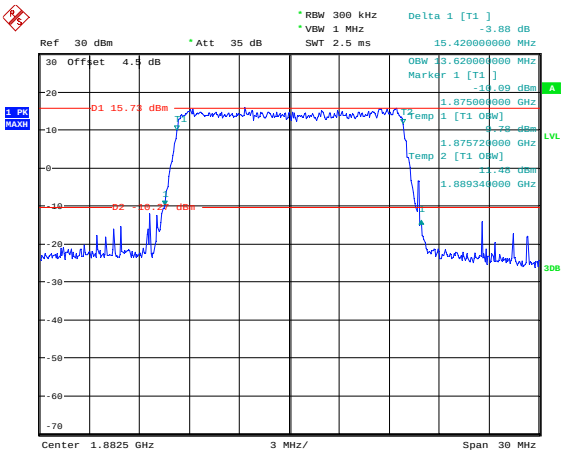
Date: 28.JAN.2021 16:43:58

15M, QPSK, Middle Channel



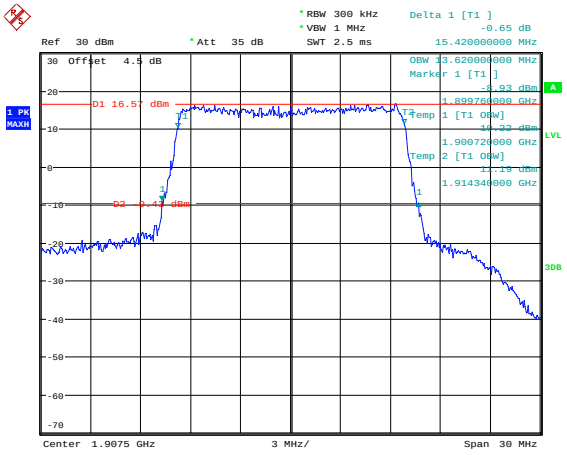
Date: 28.JAN.2021 16:44:28

15M, 16QAM, Middle Channel



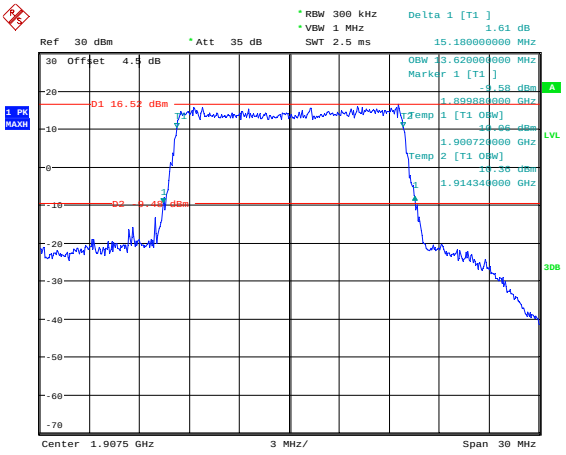
Date: 28.JAN.2021 16:44:58

15M, QPSK, High Channel



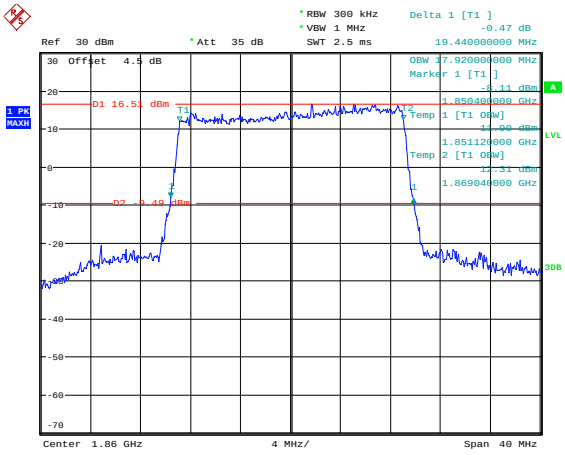
Date: 28.JAN.2021 16:45:25

15M, 16QAM, High Channel



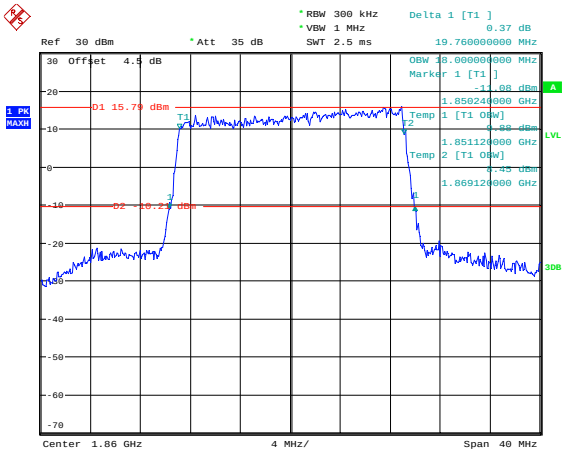
Date: 28.JAN.2021 16:45:51

20M, QPSK, Low Channel



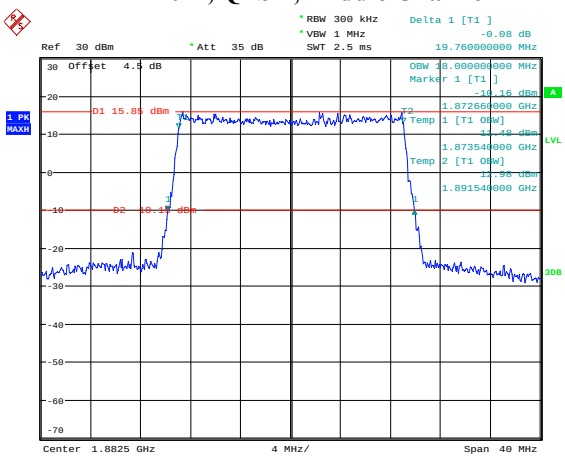
Date: 28.JAN.2021 16:46:21

20M, 16QAM, Low Channel



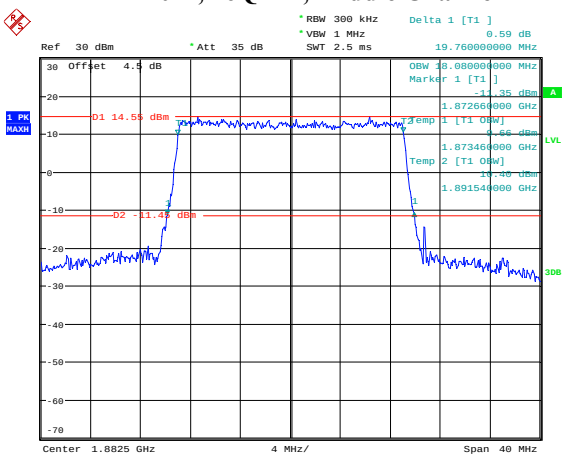
Date: 28.JAN.2021 16:46:47

20M, QPSK, Middle Channel



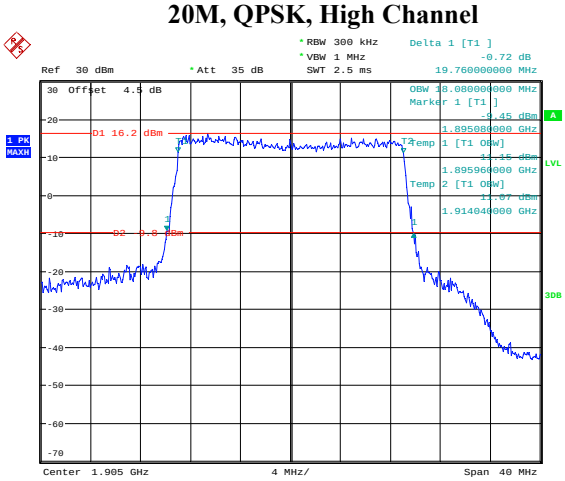
Date: 28.JAN.2021 16:47:14

20M, 16QAM, Middle Channel



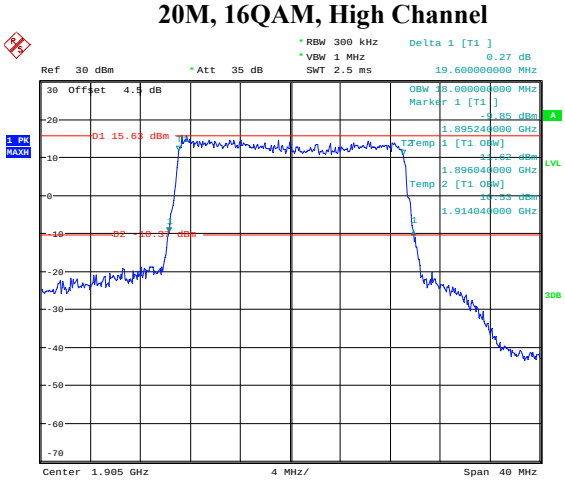
Date: 28.JAN.2021 16:47:40

20M, QPSK, High Channel



Date: 28.JAN.2021 16:48:07

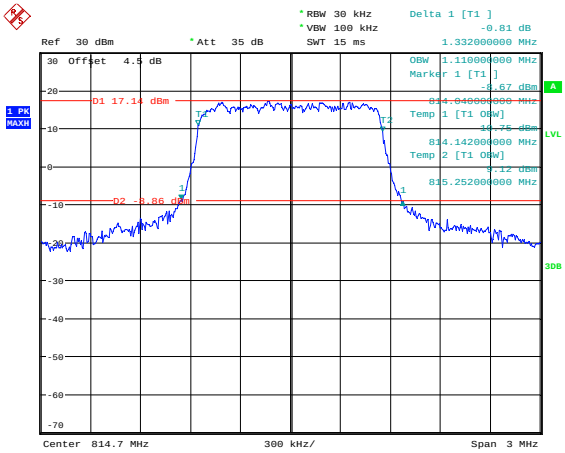
20M, 16QAM, High Channel



Date: 28.JAN.2021 16:48:37

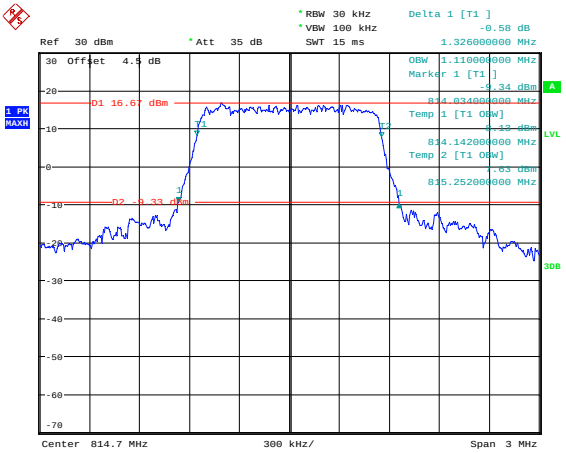
LTE Band 26:

1.4M, QPSK, Low Channel



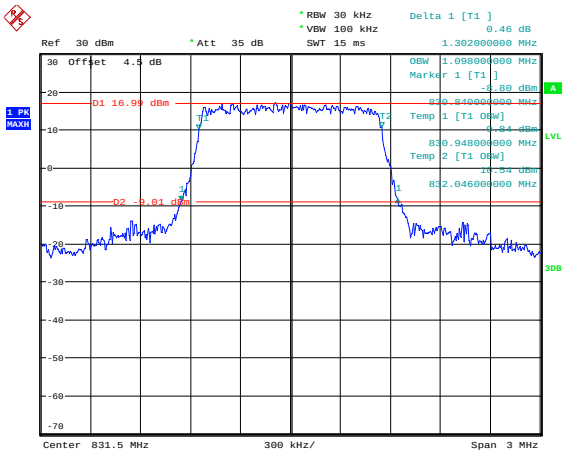
Date: 28.JAN.2021 16:49:00

1.4M, 16QAM, Low Channel



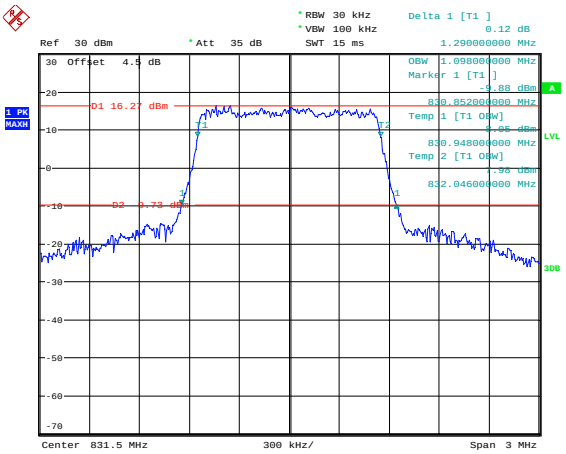
Date: 28.JAN.2021 16:49:27

1.4M, QPSK, Middle Channel



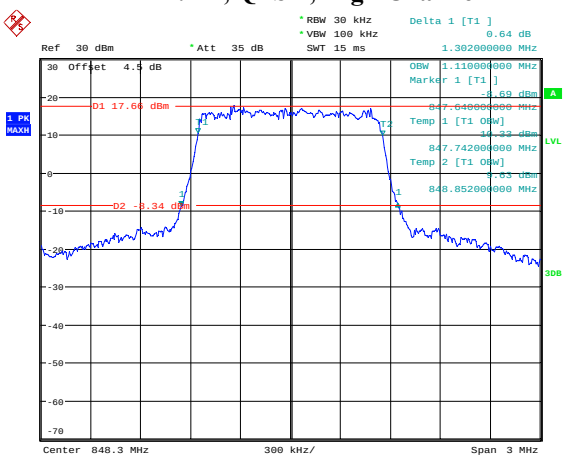
Date: 28.JAN.2021 16:49:46

1.4M, 16QAM, Middle Channel



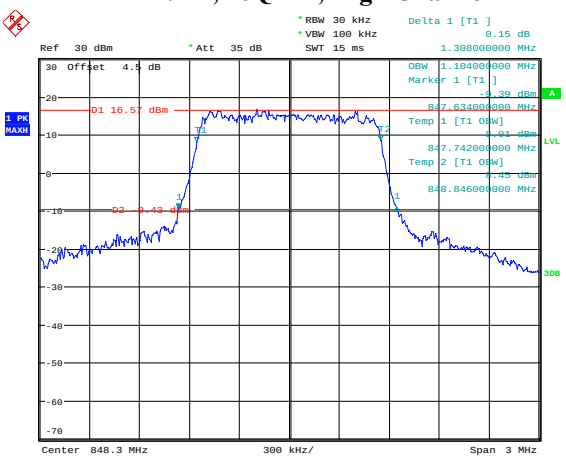
Date: 28.JAN.2021 16:50:05

1.4M, QPSK, High Channel



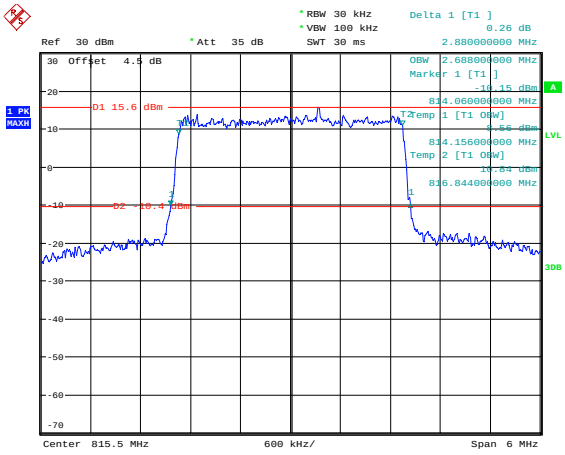
Date: 28.JAN.2021 16:50:29

1.4M, 16QAM, High Channel



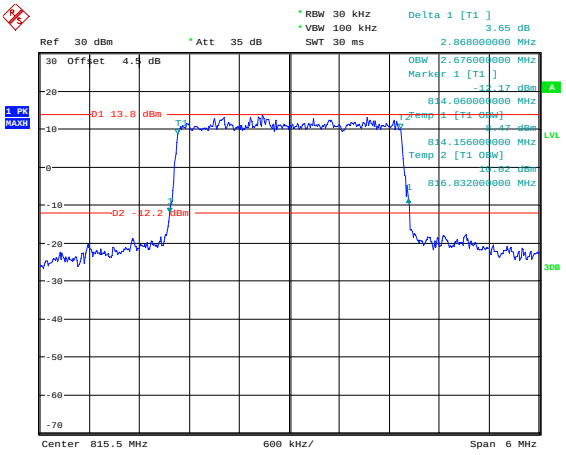
Date: 28.JAN.2021 16:50:51

3M, QPSK, Low Channel



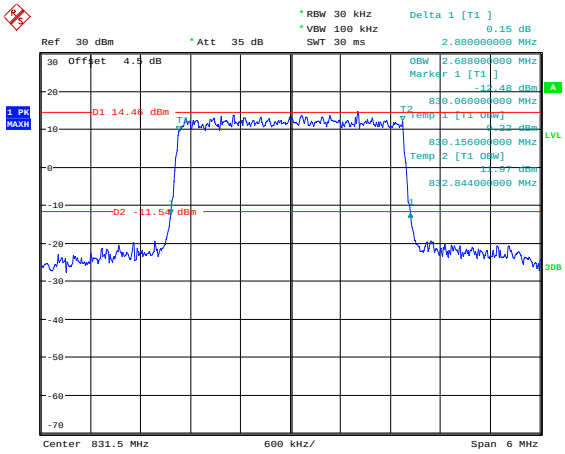
Date: 28.JAN.2021 16:51:15

3M, 16QAM, Low Channel



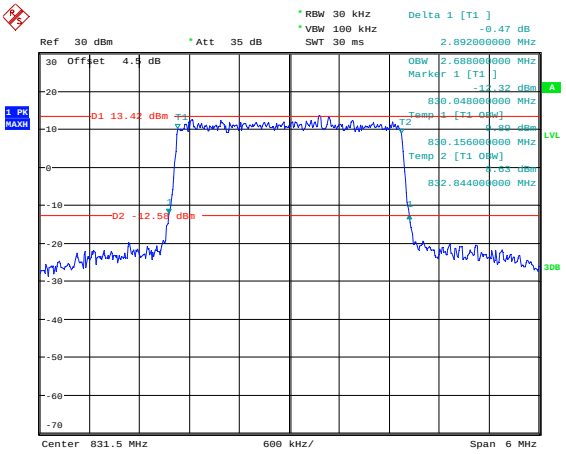
Date: 28.JAN.2021 16:51:33

3M, QPSK, Middle Channel



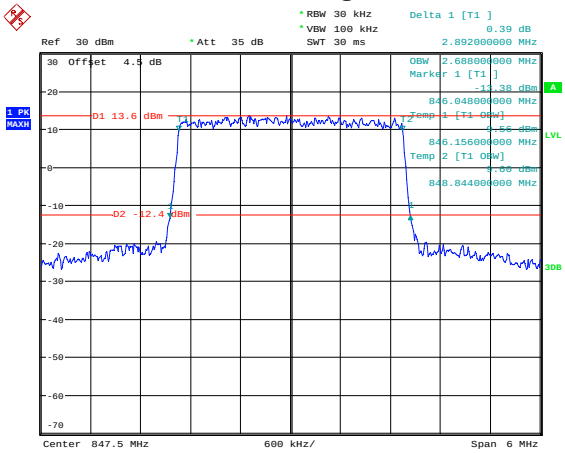
Date: 28.JAN.2021 16:51:53

3M, 16QAM, Middle Channel



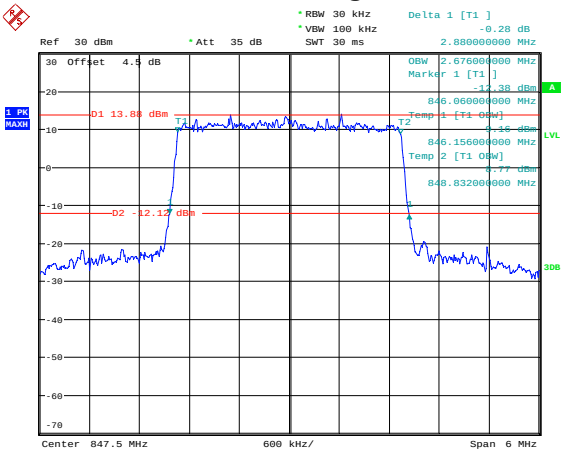
Date: 28.JAN.2021 16:52:16

3M, QPSK, High Channel



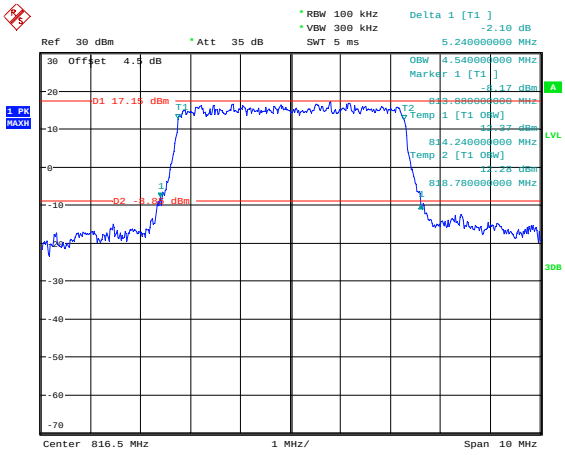
Date: 28.JAN.2021 16:52:39

3M, 16QAM, High Channel



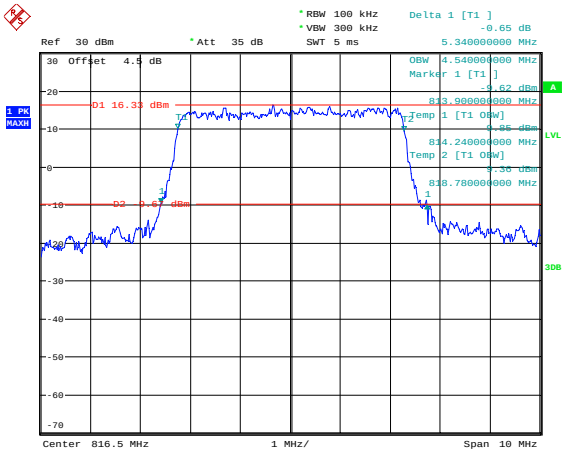
Date: 28.JAN.2021 16:53:02

5M, QPSK, Low Channel



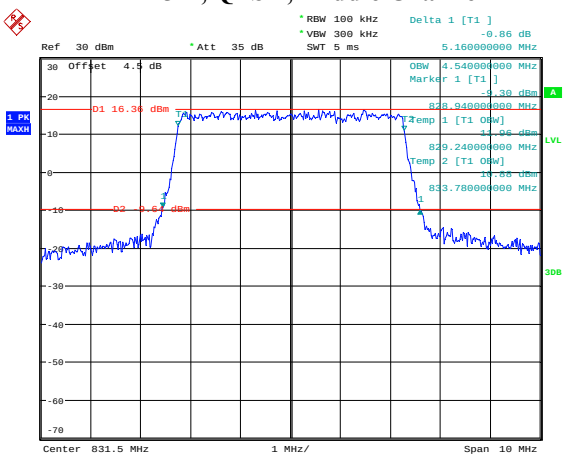
Date: 28.JAN.2021 16:53:33

5M, 16QAM, Low Channel



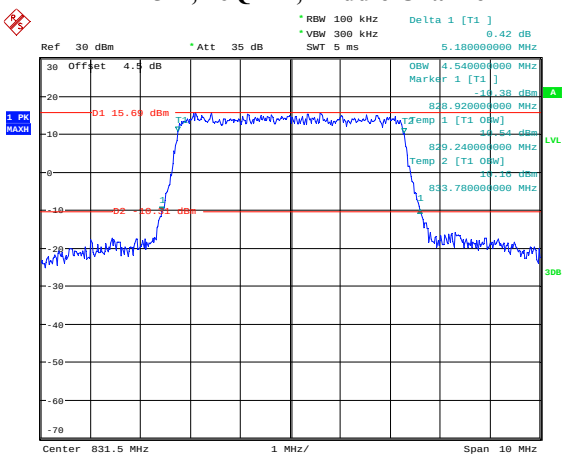
Date: 28.JAN.2021 16:53:59

5M, QPSK, Middle Channel



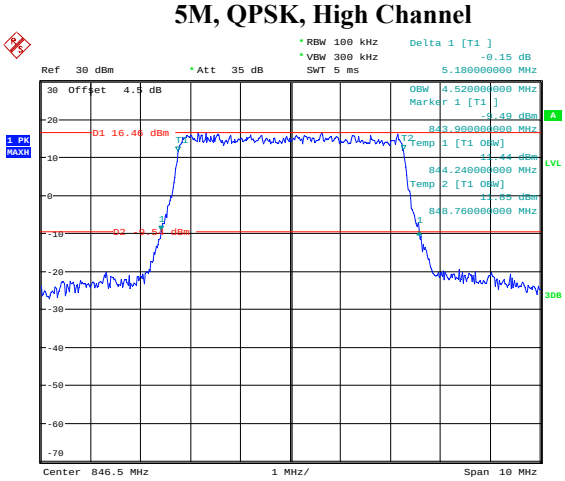
Date: 28.JAN.2021 16:54:30

5M, 16QAM, Middle Channel



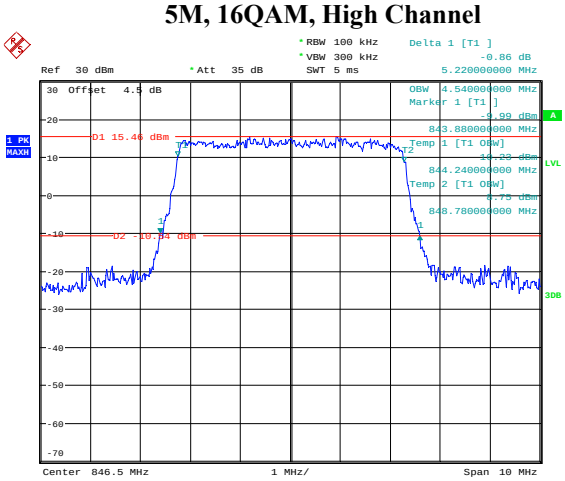
Date: 28.JAN.2021 16:54:56

5M, QPSK, High Channel



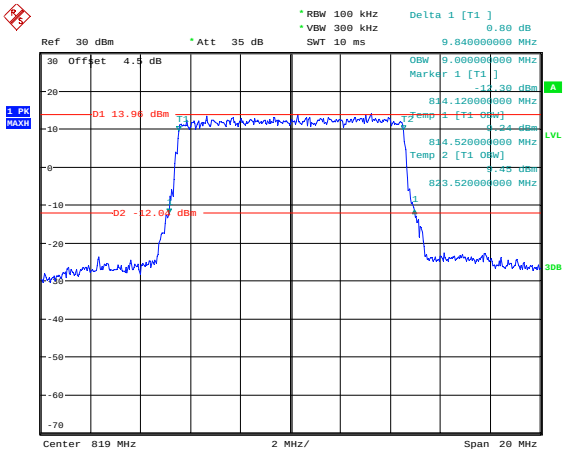
Date: 28.JAN.2021 16:55:24

5M, 16QAM, High Channel



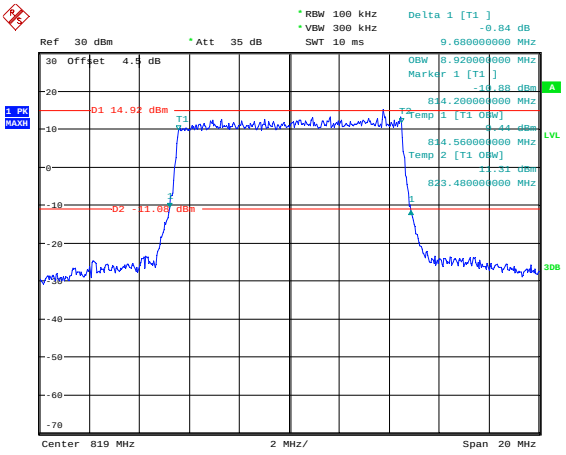
Date: 28.JAN.2021 16:55:46

10M, QPSK, Low Channel



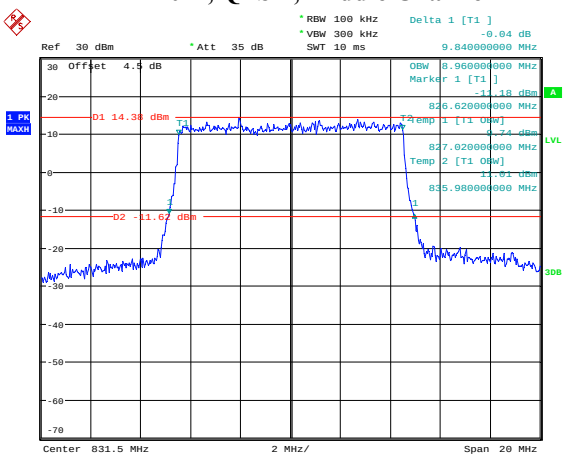
Date: 28.JAN.2021 16:56:15

10M, 16QAM, Low Channel



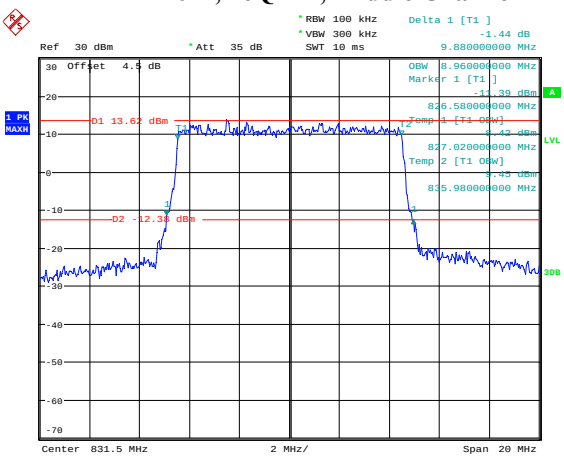
Date: 28.JAN.2021 16:56:38

10M, QPSK, Middle Channel



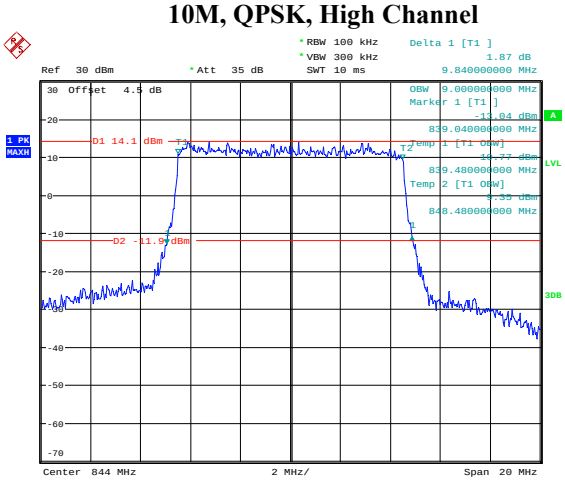
Date: 28.JAN.2021 16:57:03

10M, 16QAM, Middle Channel



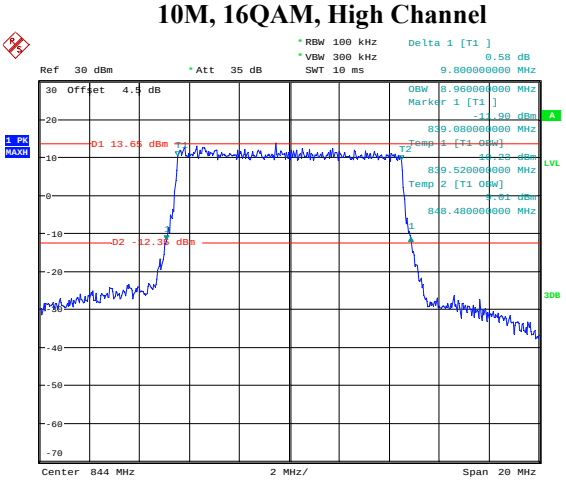
Date: 28.JAN.2021 16:57:30

10M, QPSK, High Channel



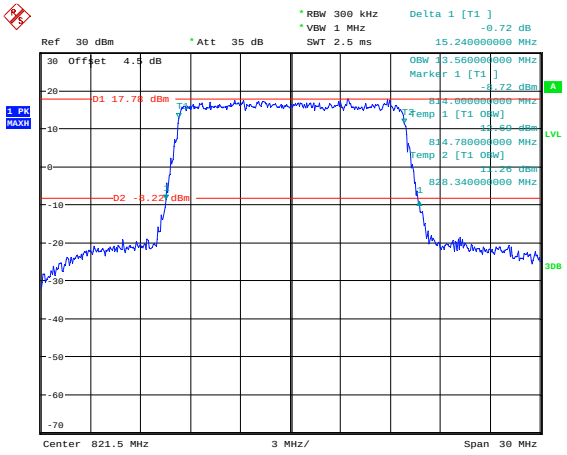
Date: 28.JAN.2021 16:57:55

10M, 16QAM, High Channel



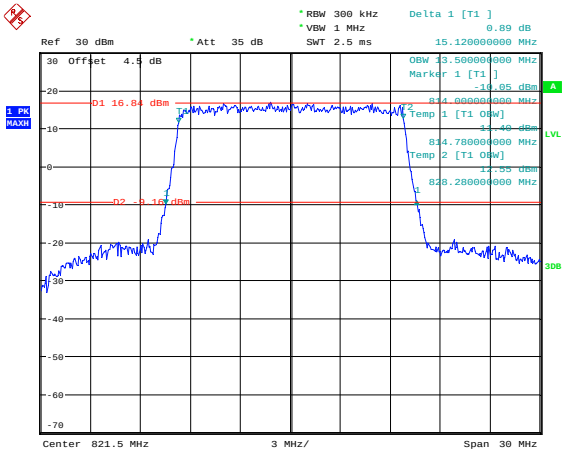
Date: 28.JAN.2021 16:58:18

15M, QPSK, Low Channel



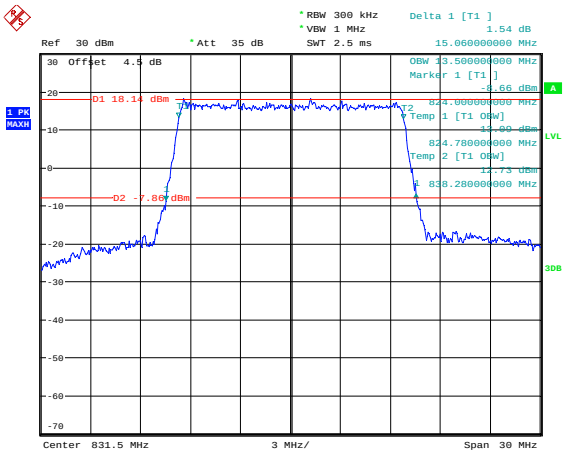
Date: 28.JAN.2021 16:58:51

15M, 16QAM, Low Channel



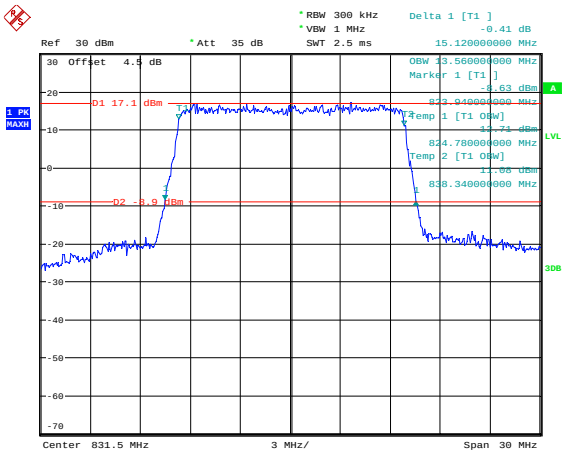
Date: 28.JAN.2021 16:59:17

15M, QPSK, Middle Channel



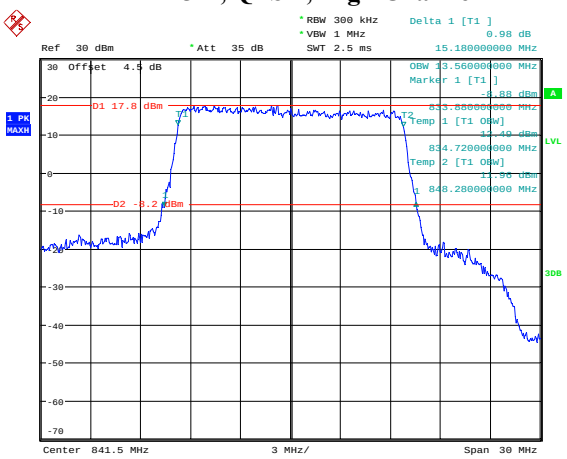
Date: 28.JAN.2021 16:59:47

15M, 16QAM, Middle Channel



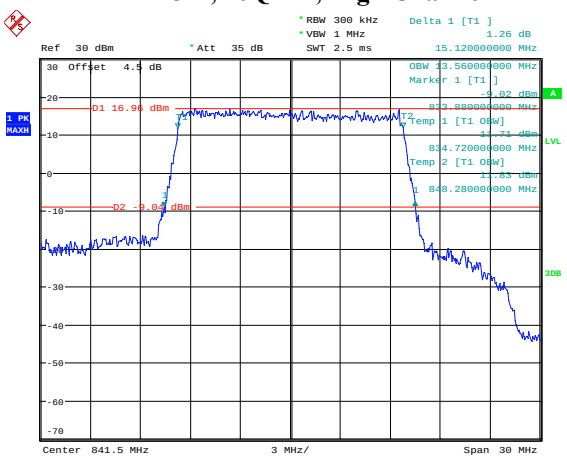
Date: 28.JAN.2021 17:00:17

15M, QPSK, High Channel



Date: 28.JAN.2021 17:00:44

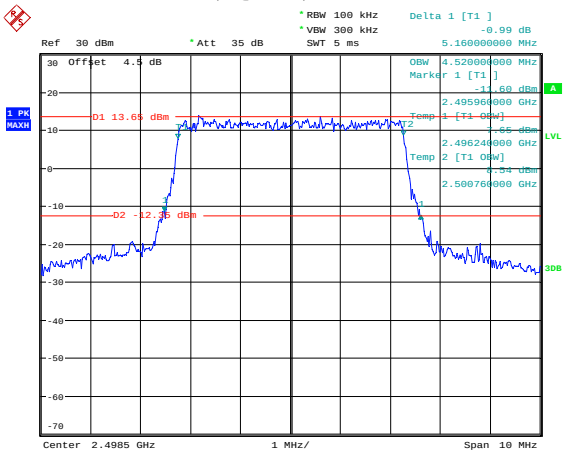
15M, 16QAM, High Channel



Date: 28.JAN.2021 17:01:10

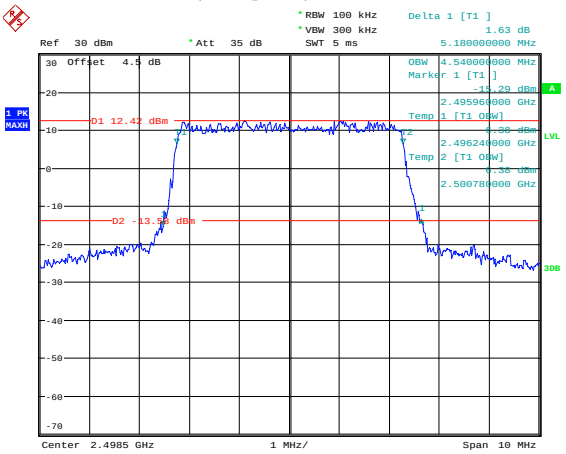
LTE Band 41:

5M, QPSK, Low Channel



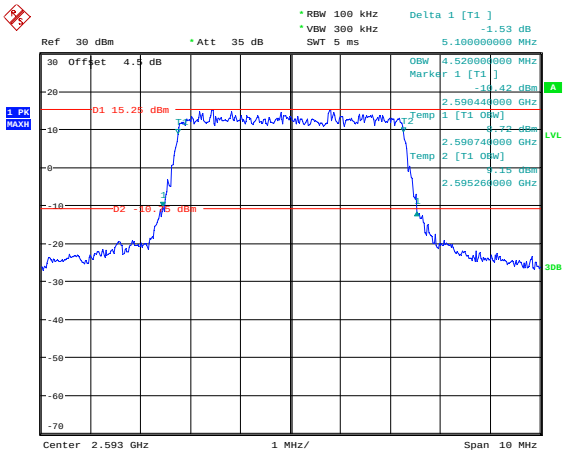
Date: 28.JAN.2021 17:01:53

5M, 16QAM, Low Channel



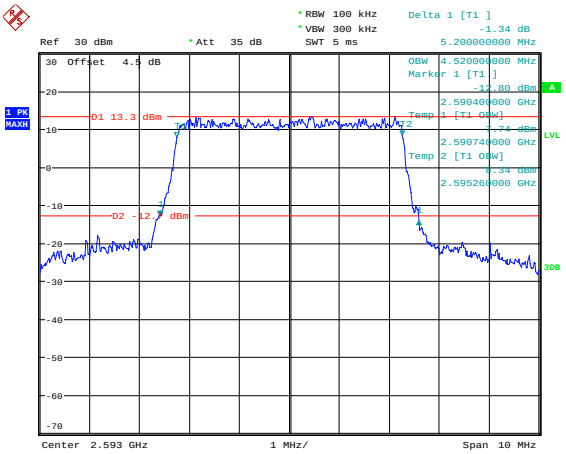
Date: 28.JAN.2021 17:02:16

5M, QPSK, Middle Channel



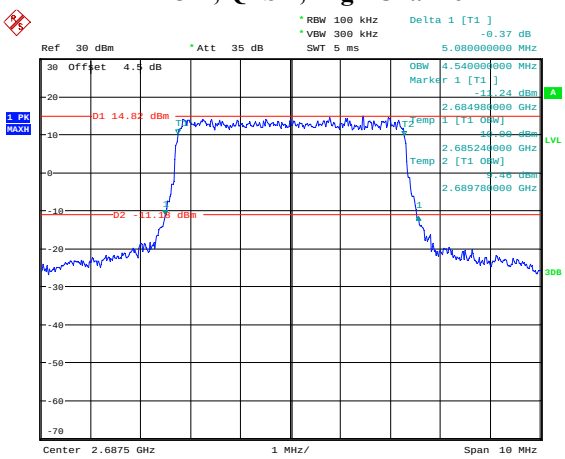
Date: 28.JAN.2021 17:02:43

5M, 16QAM, Middle Channel



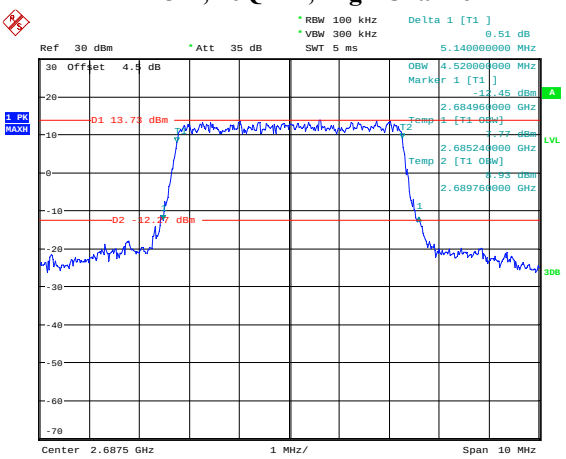
Date: 28.JAN.2021 17:03:06

5M, QPSK, High Channel



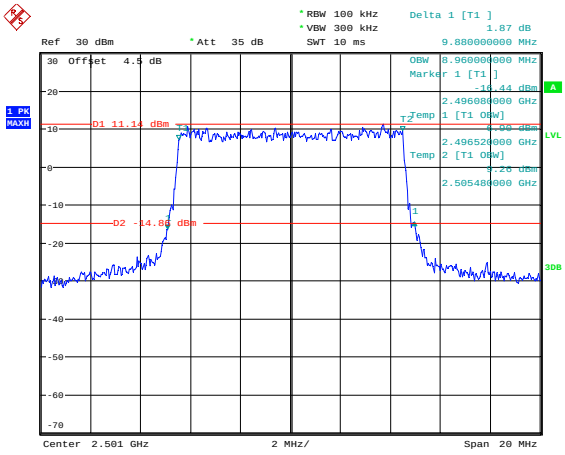
Date: 28.JAN.2021 17:03:29

5M, 16QAM, High Channel



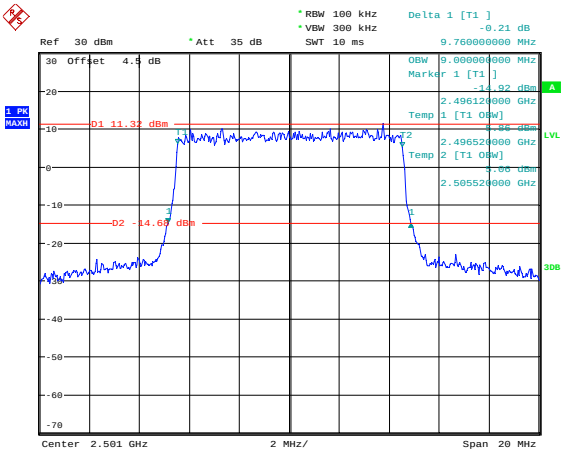
Date: 28.JAN.2021 17:03:52

10M, QPSK, Low Channel



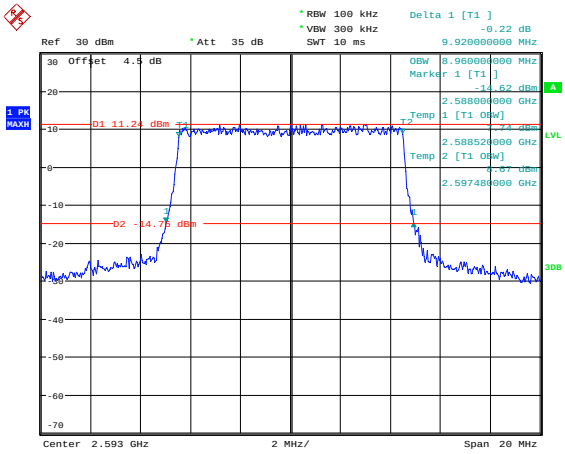
Date: 28.JAN.2021 17:04:20

10M, 16QAM, Low Channel



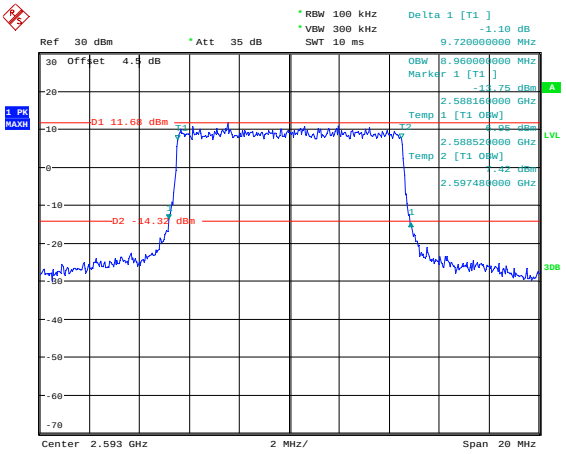
Date: 28.JAN.2021 17:04:50

10M, QPSK, Middle Channel



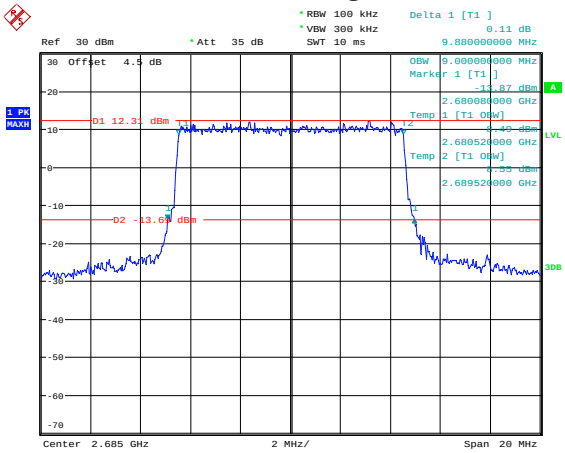
Date: 28.JAN.2021 17:05:15

10M, 16QAM, Middle Channel



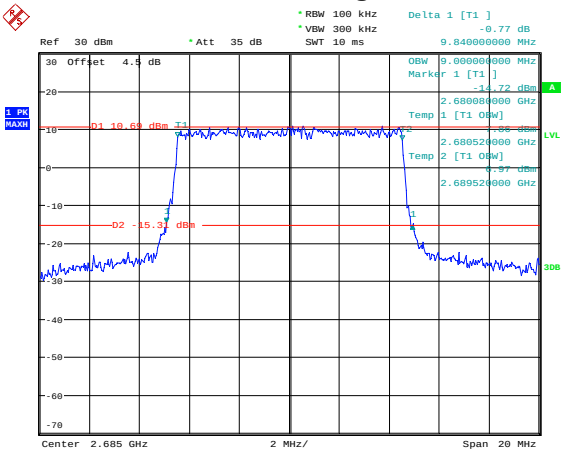
Date: 28.JAN.2021 17:05:42

10M, QPSK, High Channel



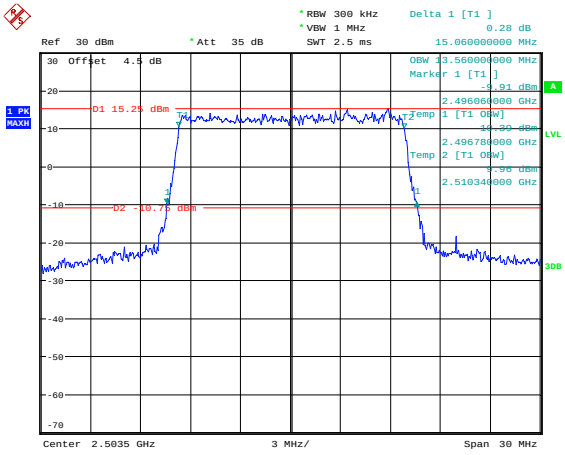
Date: 28.JAN.2021 17:06:06

10M, 16QAM, High Channel



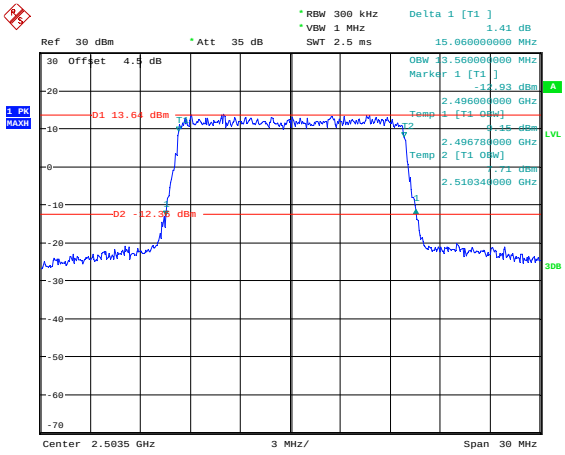
Date: 28.JAN.2021 17:06:29

15M, QPSK, Low Channel



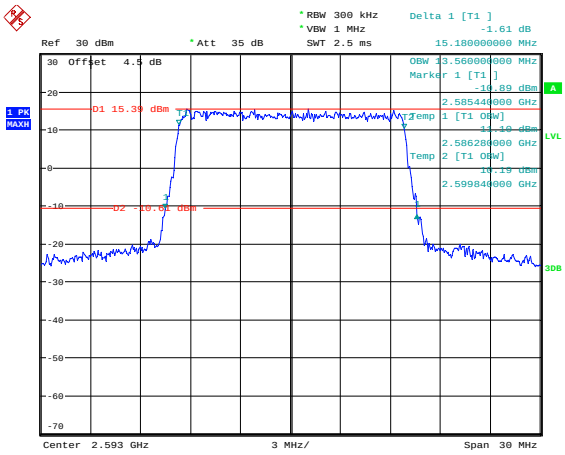
Date: 28.JAN.2021 17:07:00

15M, 16QAM, Low Channel



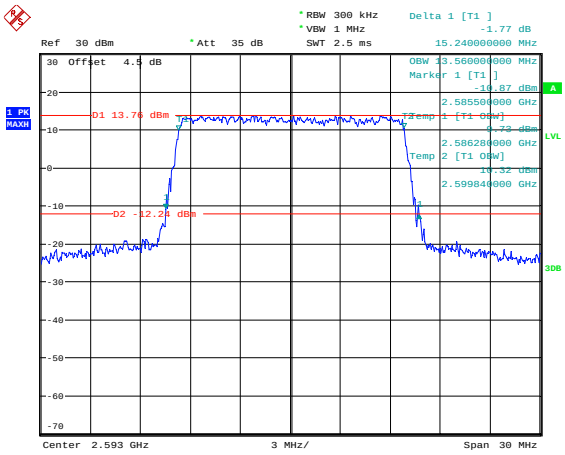
Date: 28.JAN.2021 17:07:26

15M, QPSK, Middle Channel



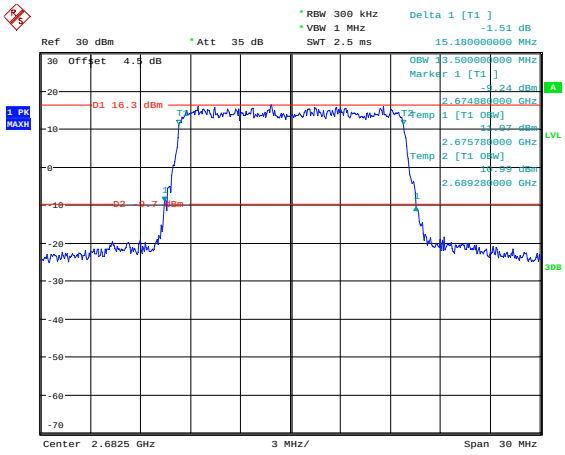
Date: 28.JAN.2021 17:07:56

15M, 16QAM, Middle Channel



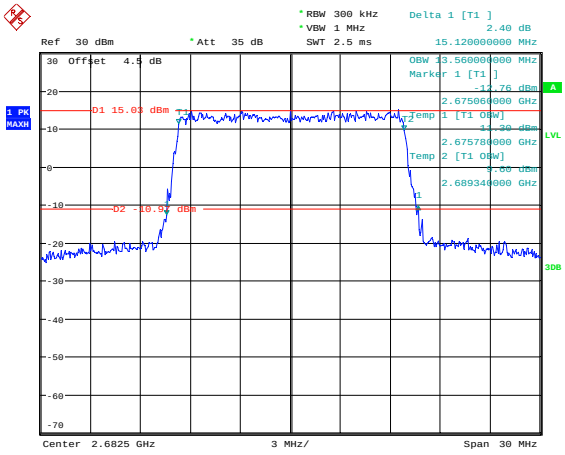
Date: 28.JAN.2021 17:08:22

15M, QPSK, High Channel



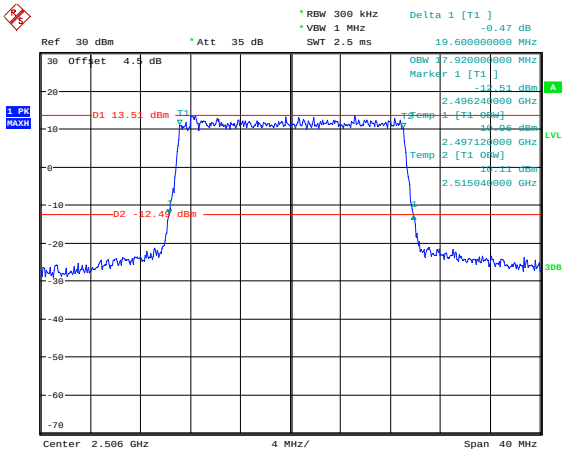
Date: 28.JAN.2021 17:08:49

15M, 16QAM, High Channel



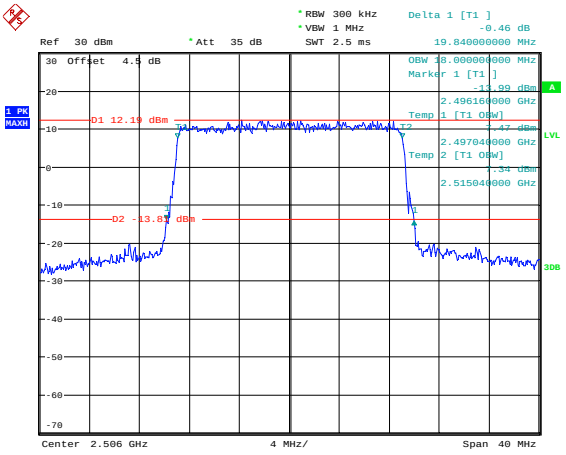
Date: 28.JAN.2021 17:09:15

20M, QPSK, Low Channel



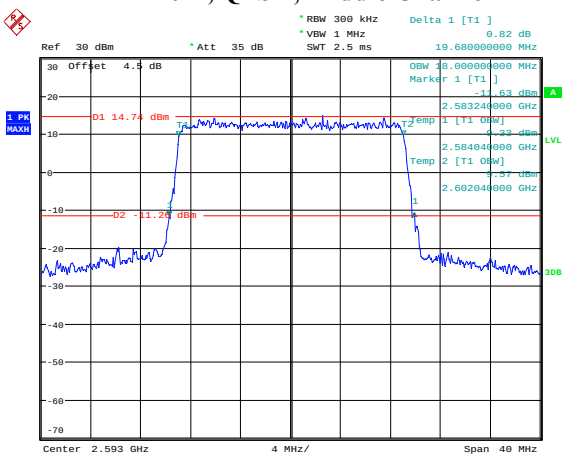
Date: 28.JAN.2021 17:09:45

20M, 16QAM, Low Channel



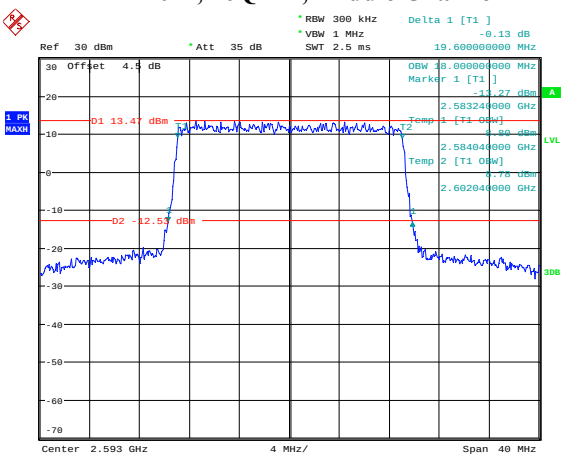
Date: 28.JAN.2021 17:10:11

20M, QPSK, Middle Channel



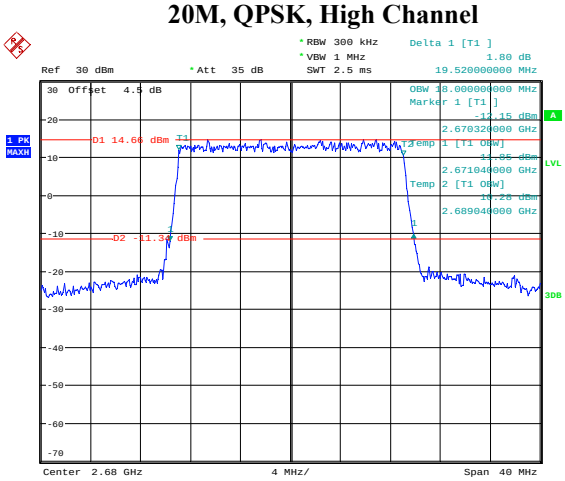
Date: 28.JAN.2021 17:10:38

20M, 16QAM, Middle Channel



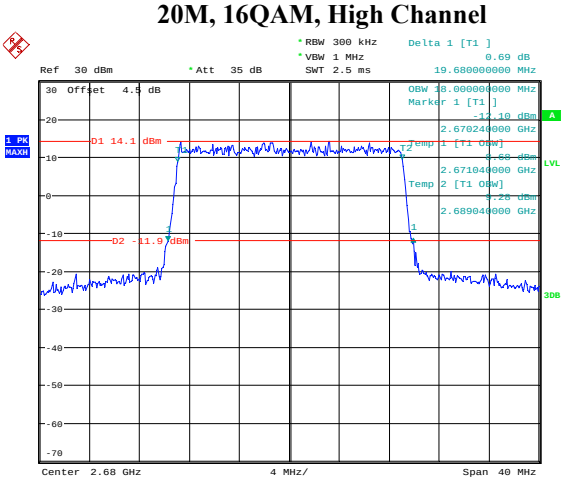
Date: 28.JAN.2021 17:11:04

20M, QPSK, High Channel



Date: 28.JAN.2021 17:11:31

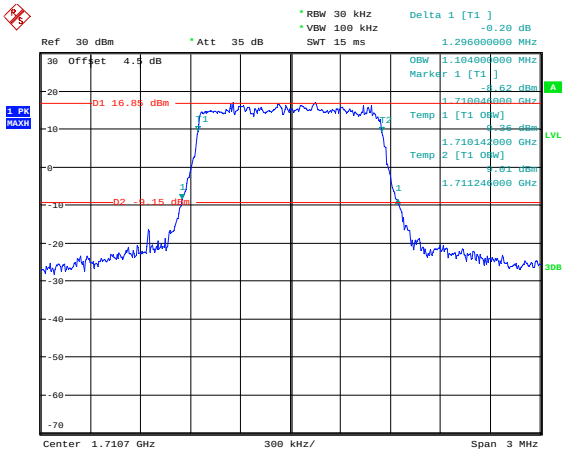
20M, 16QAM, High Channel



Date: 28.JAN.2021 17:11:56

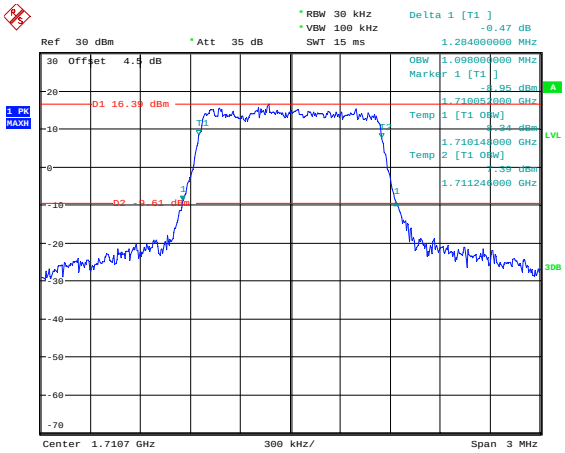
LTE Band 66:

1.4M, QPSK, Low Channel



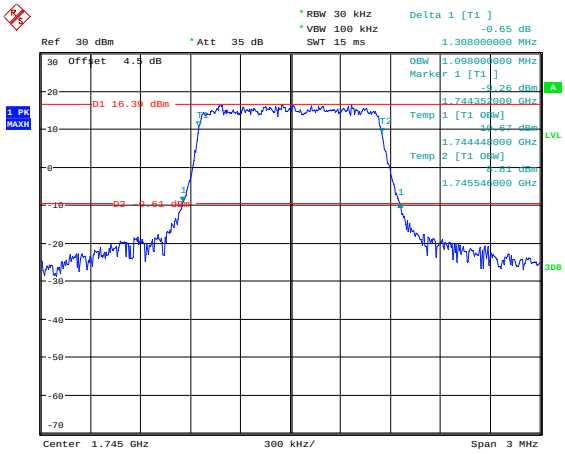
Date: 28.JAN.2021 17:12:34

1.4M, 16QAM, Low Channel



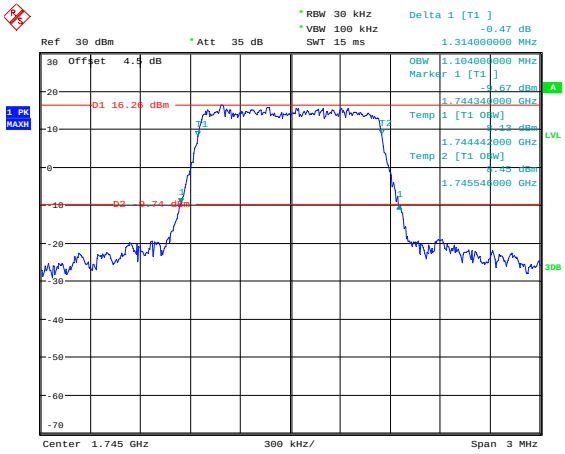
Date: 28.JAN.2021 17:12:57

1.4M, QPSK, Middle Channel



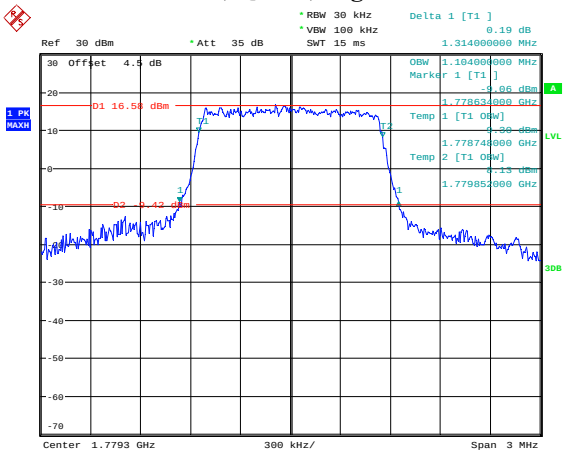
Date: 28.JAN.2021 17:13:16

1.4M, 16QAM, Middle Channel



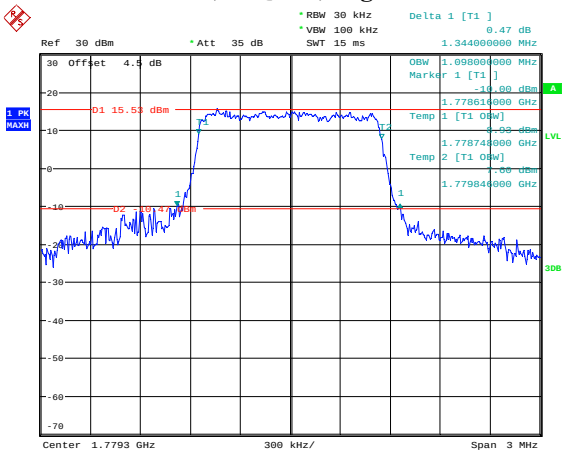
Date: 28.JAN.2021 17:13:43

1.4M, QPSK, High Channel



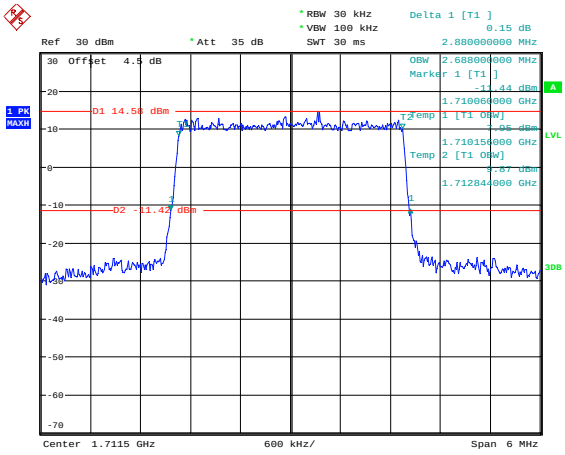
Date: 28.JAN.2021 17:14:06

1.4M, 16QAM, High Channel



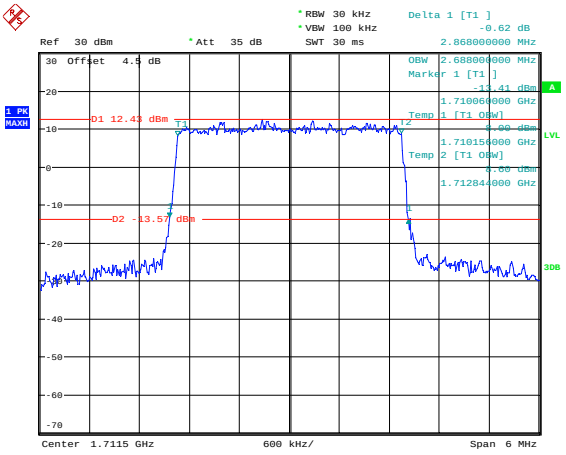
Date: 28.JAN.2021 17:14:33

3M, QPSK, Low Channel



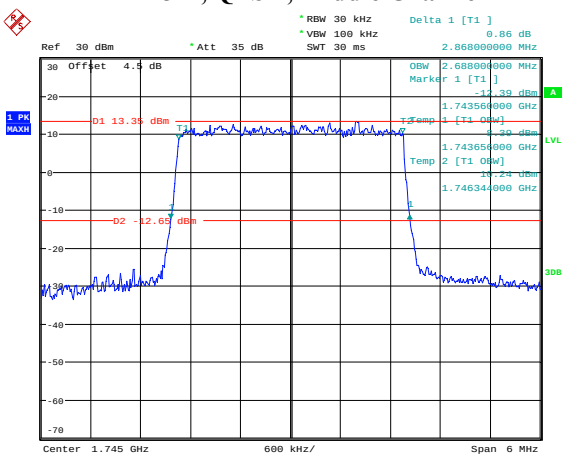
Date: 28.JAN.2021 17:14:55

3M, 16QAM, Low Channel



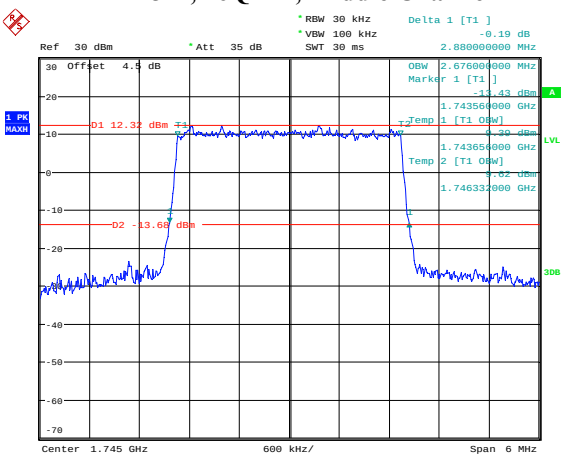
Date: 28.JAN.2021 17:15:17

3M, QPSK, Middle Channel



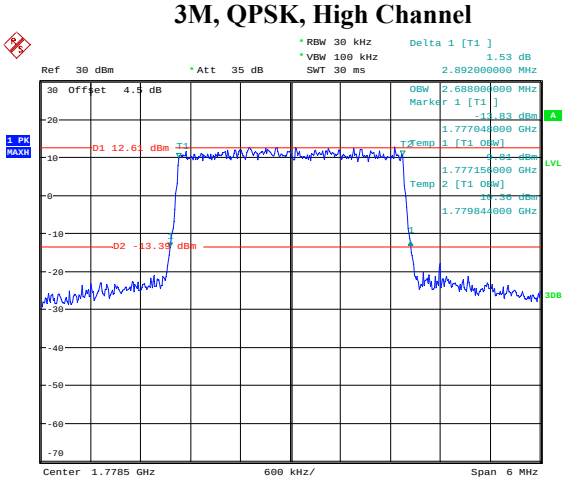
Date: 28.JAN.2021 17:15:36

3M, 16QAM, Middle Channel



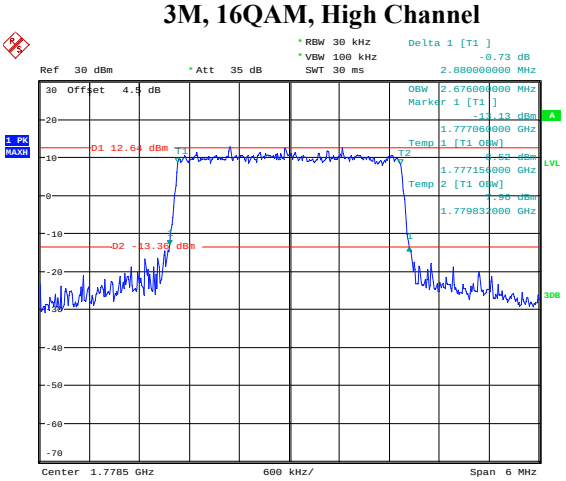
Date: 28.JAN.2021 17:15:59

3M, QPSK, High Channel



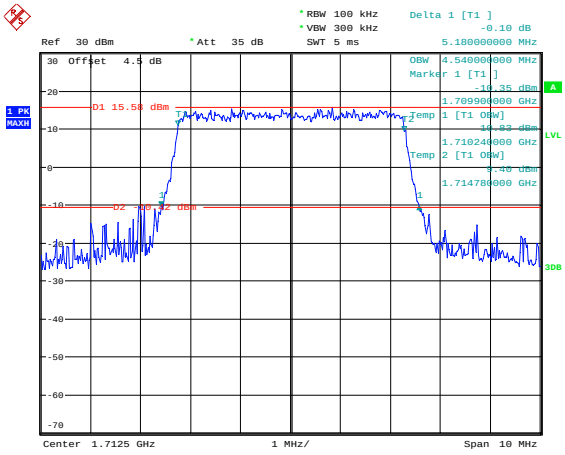
Date: 28.JAN.2021 17:16:22

3M, 16QAM, High Channel



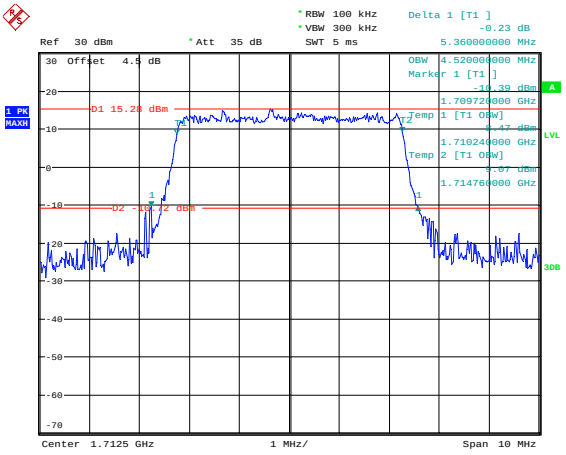
Date: 28.JAN.2021 17:16:48

5M, QPSK, Low Channel



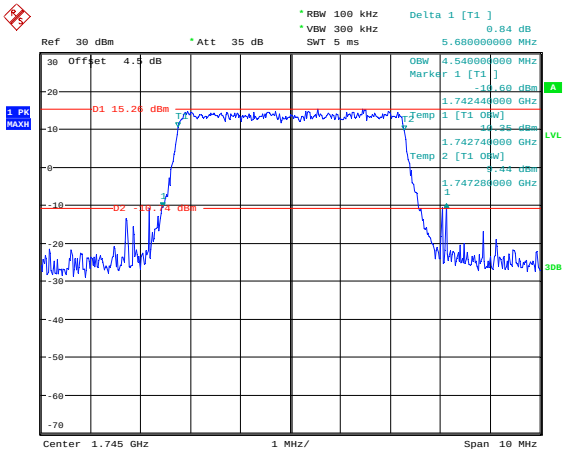
Date: 28.JAN.2021 17:17:18

5M, 16QAM, Low Channel



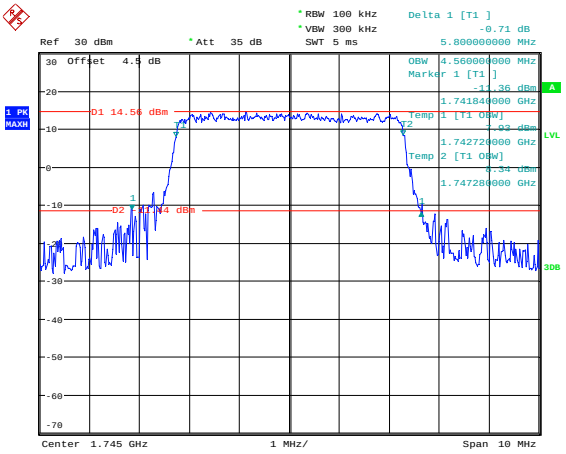
Date: 28.JAN.2021 17:17:48

5M, QPSK, Middle Channel



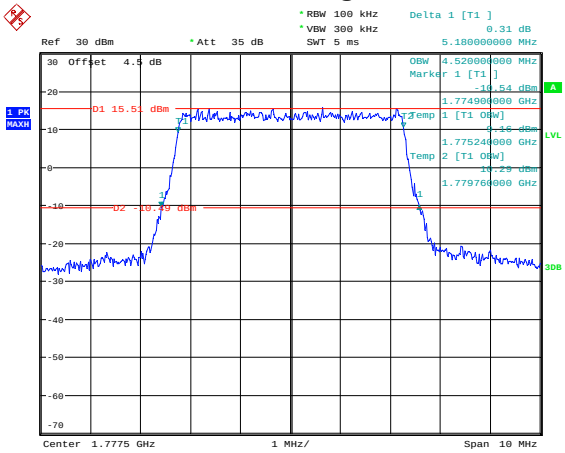
Date: 28.JAN.2021 17:18:11

5M, 16QAM, Middle Channel



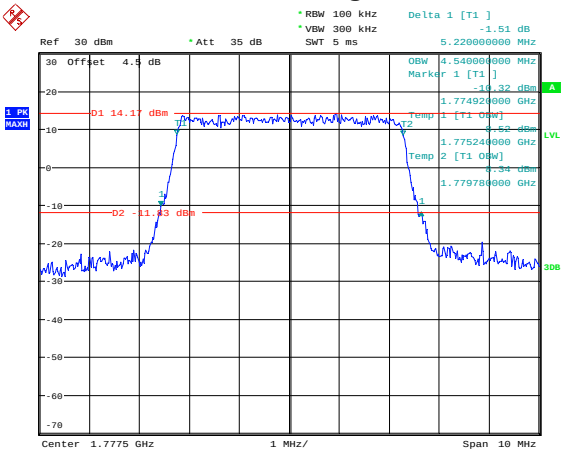
Date: 28.JAN.2021 17:18:49

5M, QPSK, High Channel



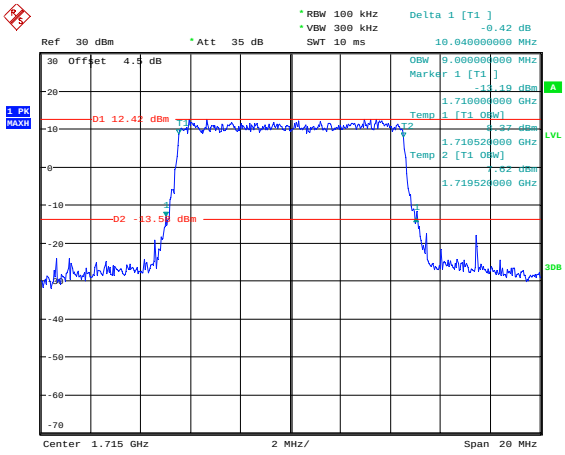
Date: 28.JAN.2021 17:19:16

5M, 16QAM, High Channel



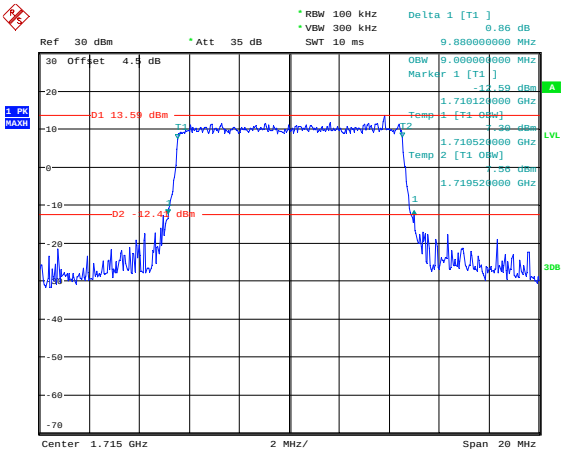
Date: 28.JAN.2021 17:19:42

10M, QPSK, Low Channel



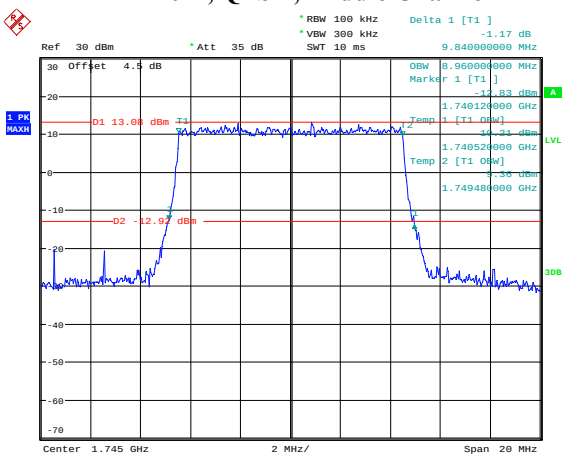
Date: 28.JAN.2021 17:20:09

10M, 16QAM, Low Channel



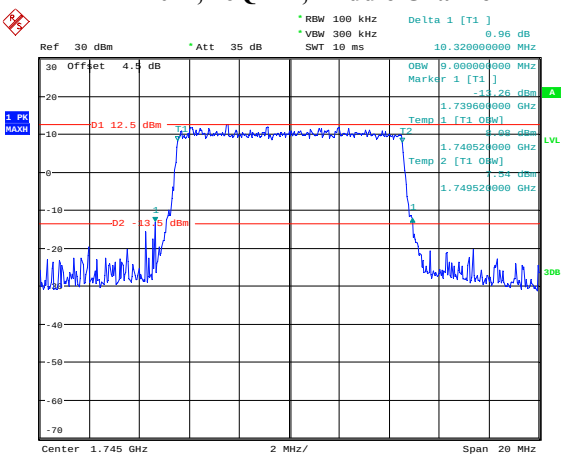
Date: 28.JAN.2021 17:20:40

10M, QPSK, Middle Channel



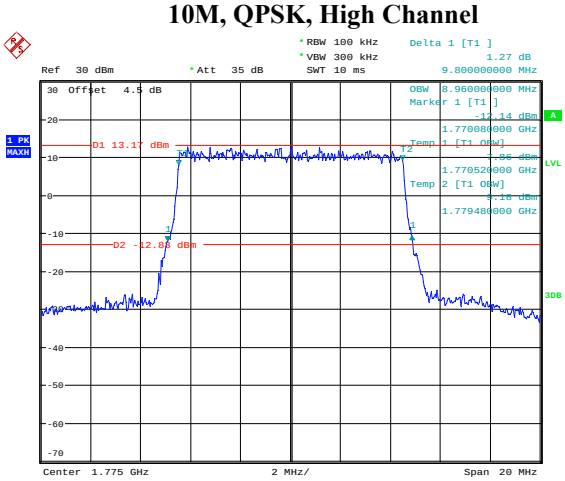
Date: 28.JAN.2021 17:21:05

10M, 16QAM, Middle Channel



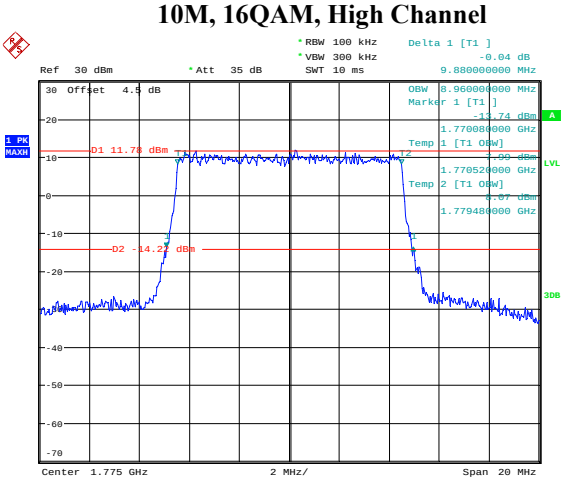
Date: 28.JAN.2021 17:21:32

10M, QPSK, High Channel



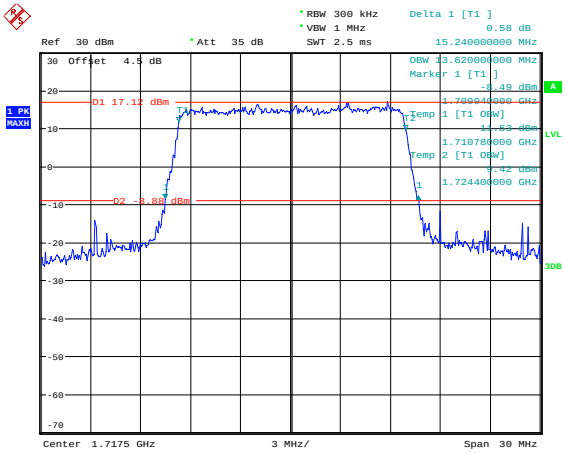
Date: 28.JAN.2021 17:21:56

10M, 16QAM, High Channel



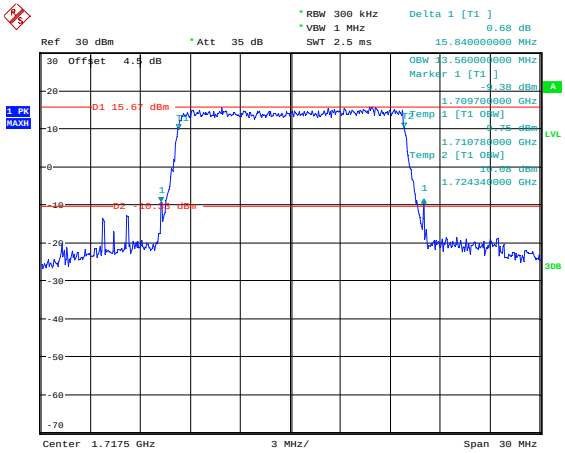
Date: 28.JAN.2021 17:22:19

15M, QPSK, Low Channel



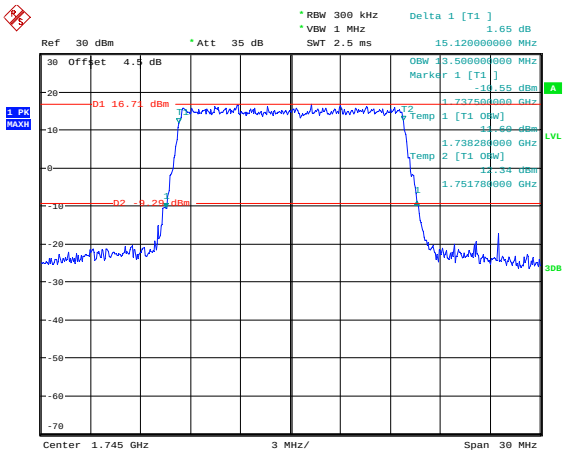
Date: 28.JAN.2021 17:22:49

15M, 16QAM, Low Channel



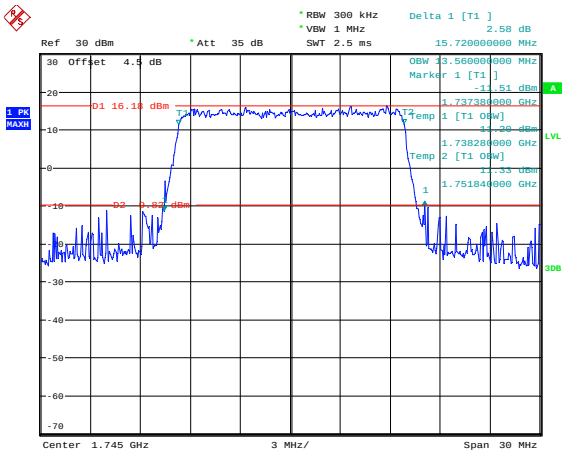
Date: 28.JAN.2021 17:23:18

15M, QPSK, Middle Channel



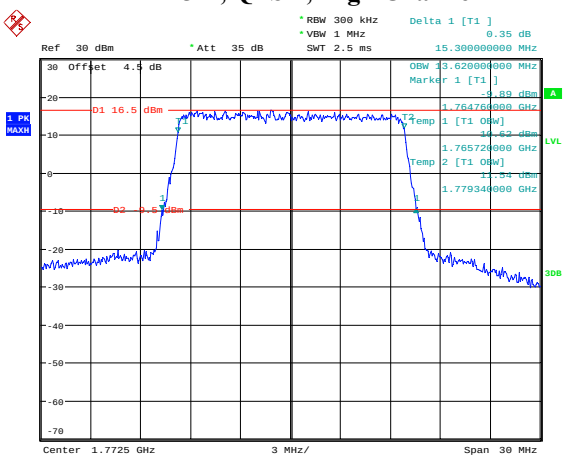
Date: 28.JAN.2021 17:23:45

15M, 16QAM, Middle Channel



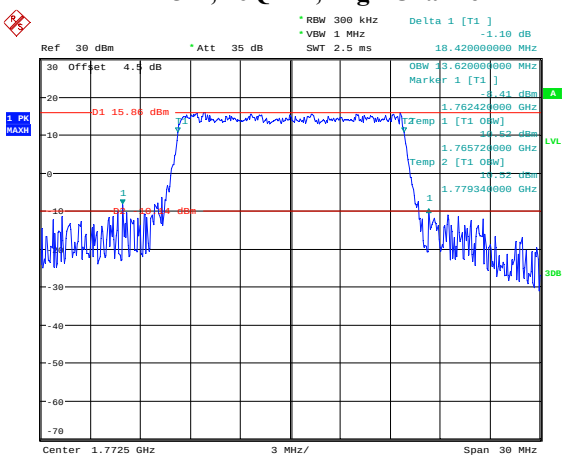
Date: 28.JAN.2021 17:24:26

15M, QPSK, High Channel



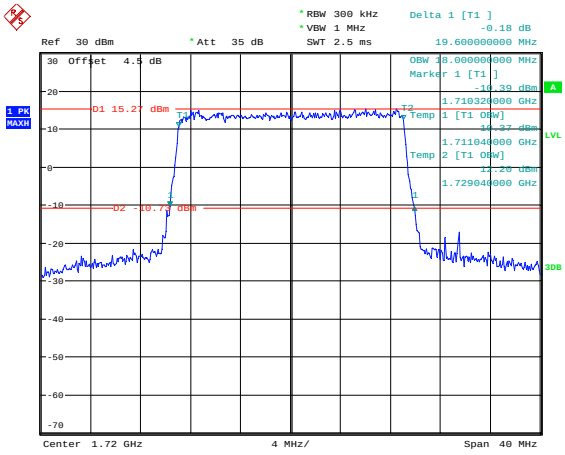
Date: 28.JAN.2021 17:24:53

15M, 16QAM, High Channel



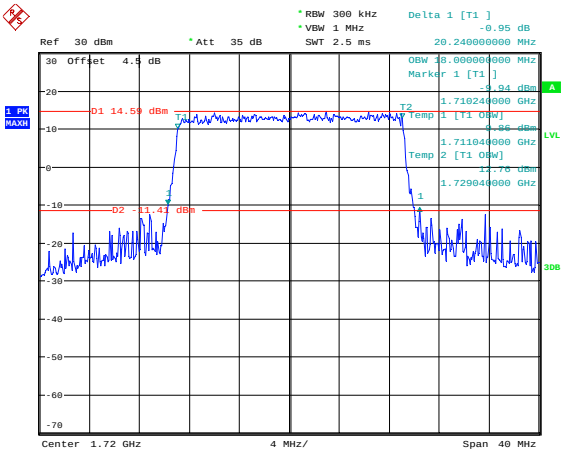
Date: 28.JAN.2021 17:25:31

20M, QPSK, Low Channel



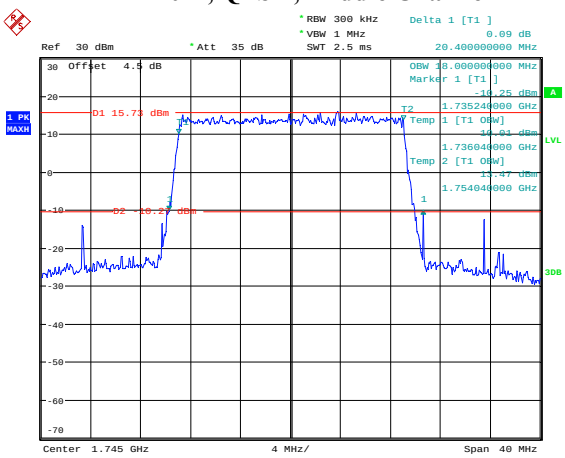
Date: 28.JAN.2021 17:26:00

20M, 16QAM, Low Channel



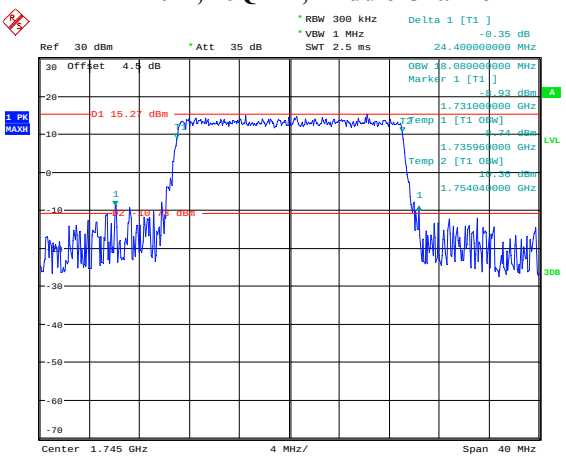
Date: 28.JAN.2021 17:26:29

20M, QPSK, Middle Channel



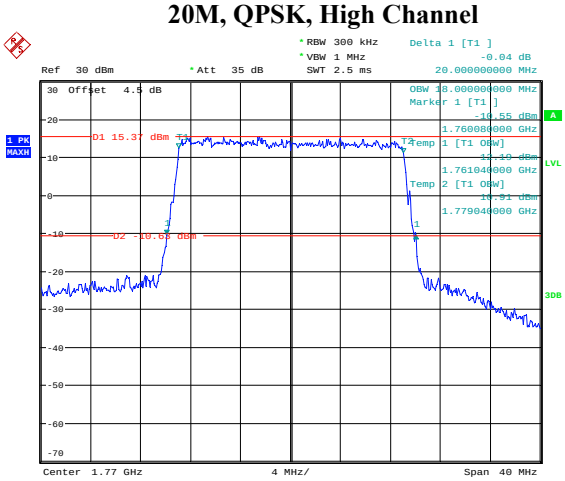
Date: 28.JAN.2021 17:26:56

20M, 16QAM, Middle Channel



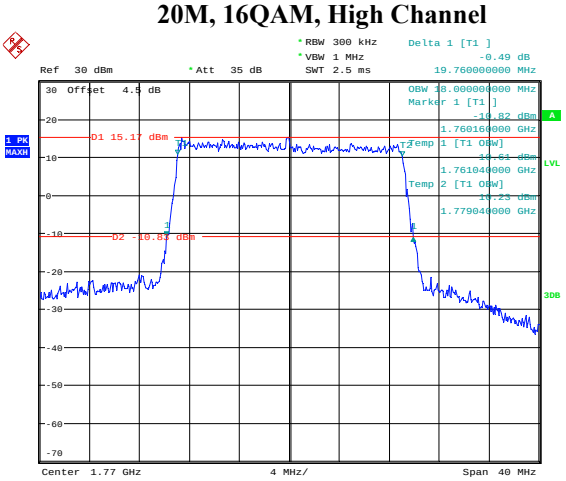
Date: 28.JAN.2021 17:27:33

20M, QPSK, High Channel



Date: 28.JAN.2021 17:28:04

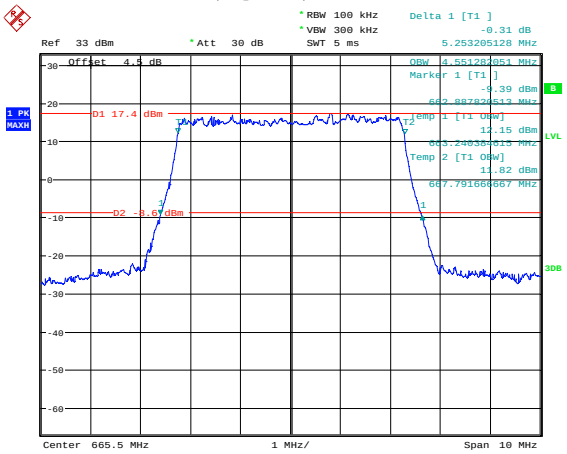
20M, 16QAM, High Channel



Date: 28.JAN.2021 17:28:30

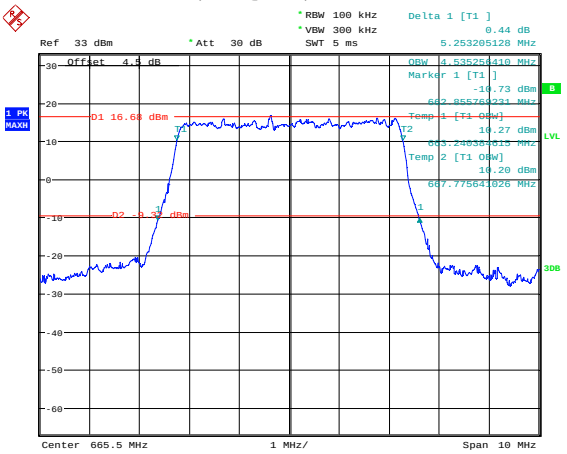
LTE Band 71:

5M, QPSK, Low Channel



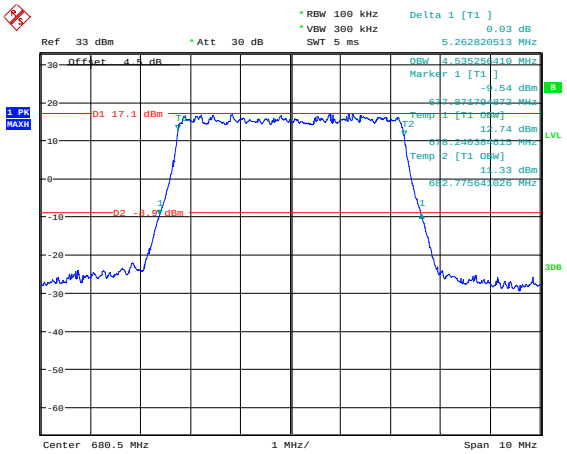
Date: 1.FEB.2021 11:23:48

5M, 16QAM, Low Channel



Date: 1.FEB.2021 11:25:13

5M, QPSK, Middle Channel



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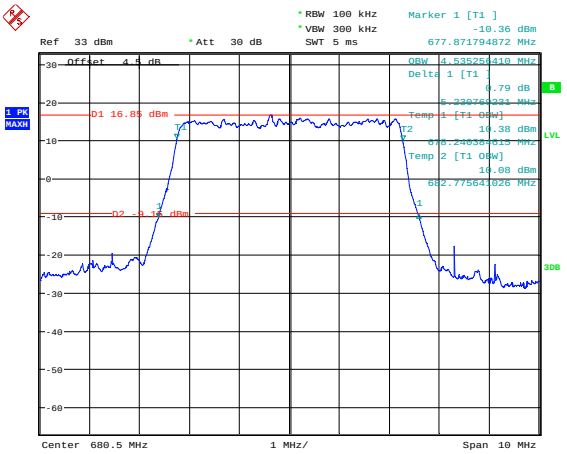
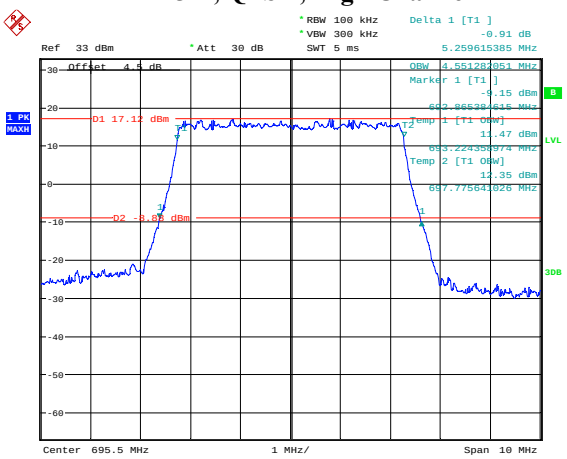
5M, 16QAM, Middle Channel



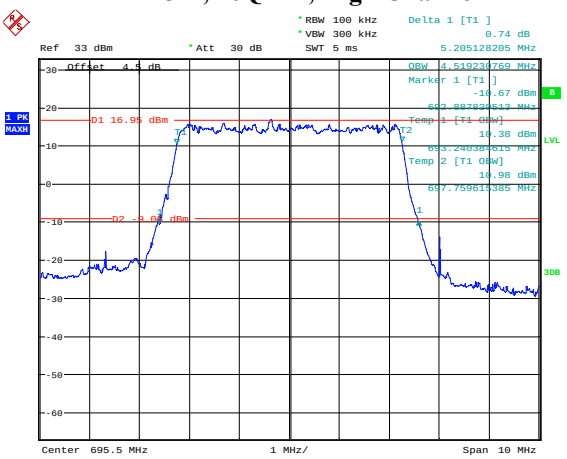
Date: 1.FEB.2021 11:33:39

5M, QPSK, High Channel



Date: 1.FEB.2021 11:52:03

5M, 16QAM, High Channel



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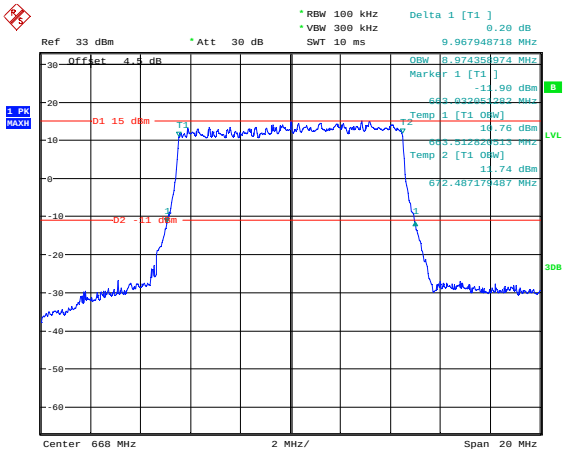
10M, QPSK, Low Channel



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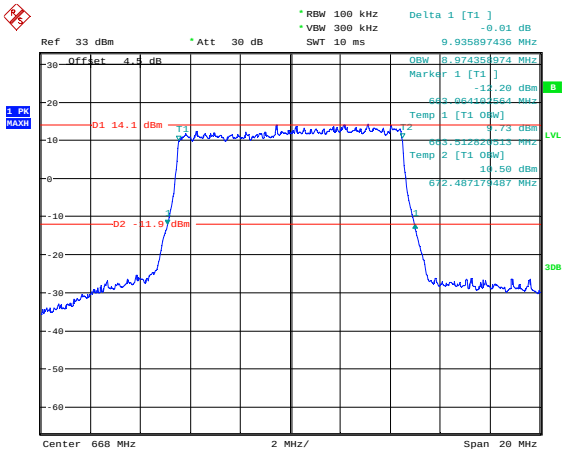
10M, 16QAM, Low Channel



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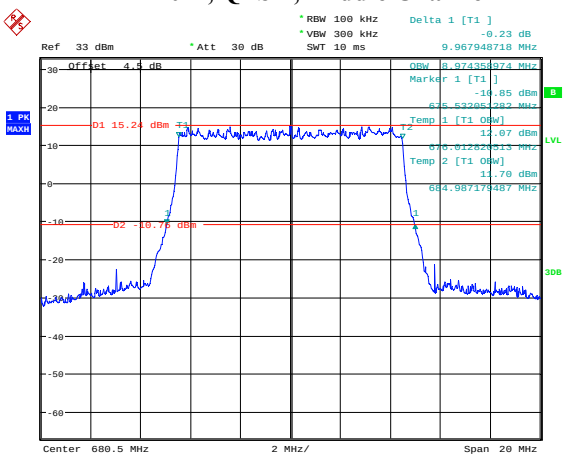
10M, QPSK, Middle Channel



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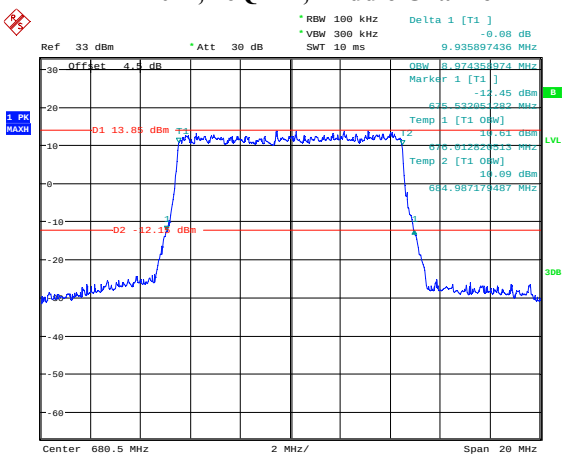
10M, 16QAM, Middle Channel



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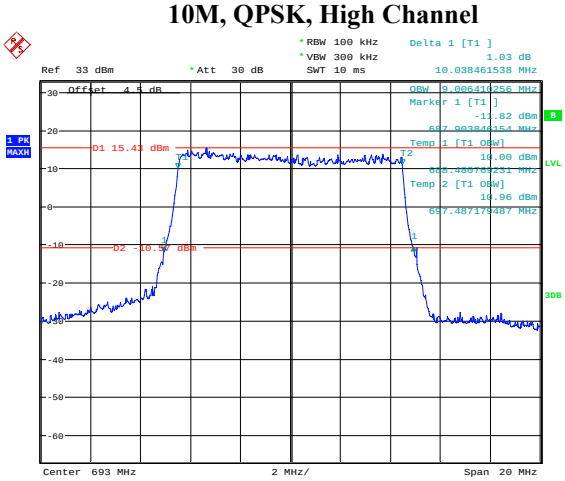
10M, QPSK, High Channel



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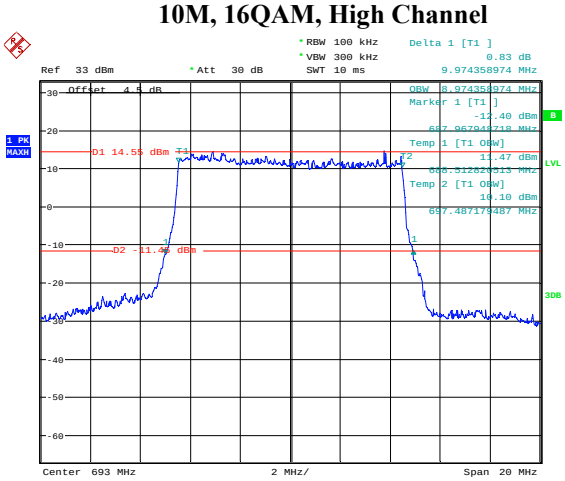
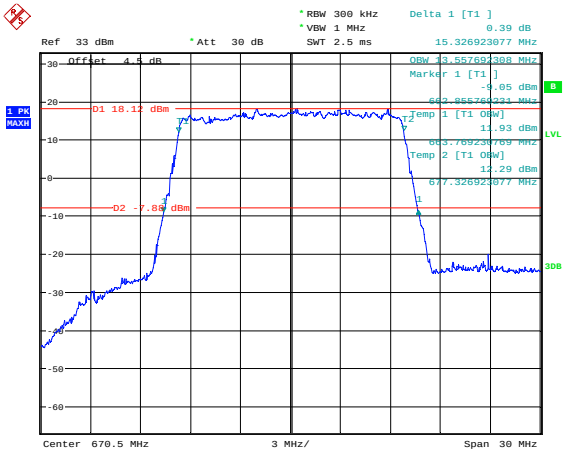
10M, 16QAM, High Channel



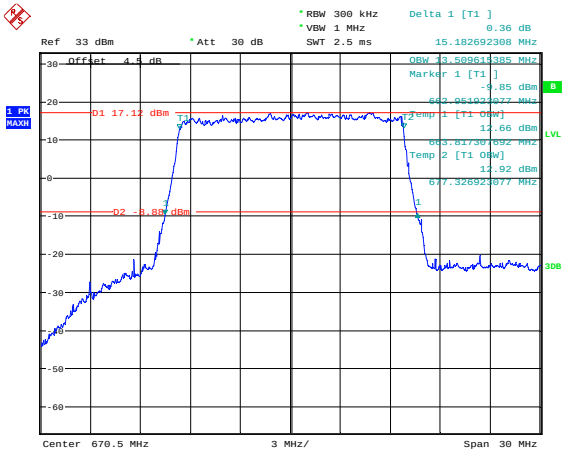
Date: 1.FEB.2021 14:38:32

15M, QPSK, Low Channel



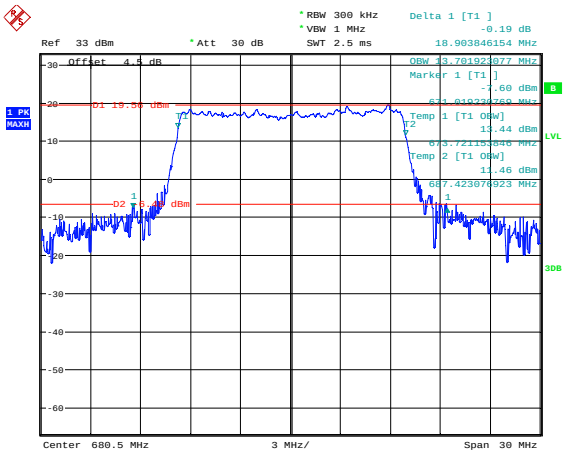
Date: 1.FEB.2021 14:54:10

15M, 16QAM, Low Channel



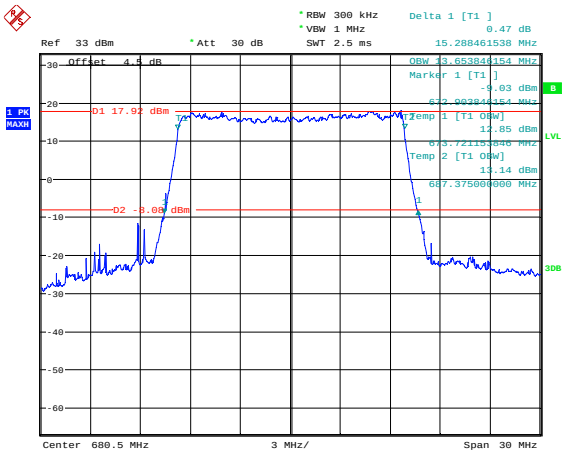
Date: 1.FEB.2021 14:52:43

15M, QPSK, Middle Channel



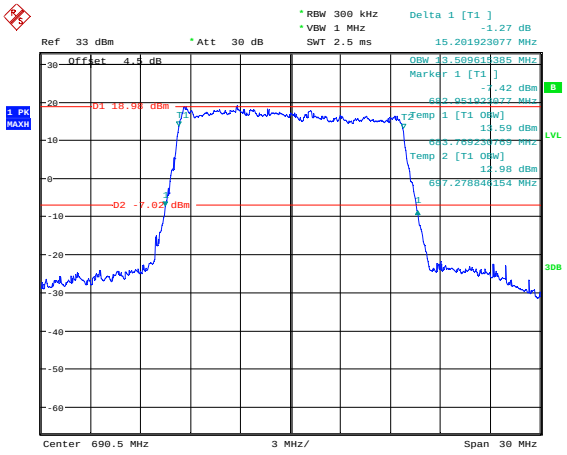
Date: 1.FEB.2021 16:38:15

15M, 16QAM, Middle Channel



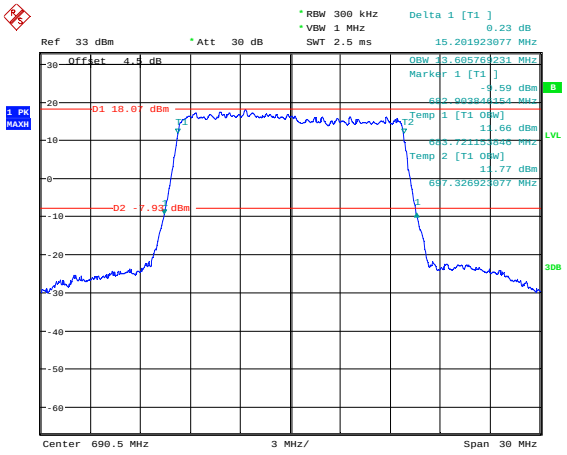
Date: 1.FEB.2021 16:33:46

15M, QPSK, High Channel



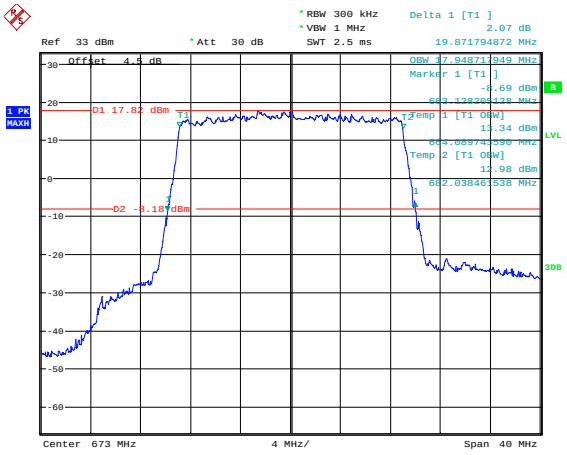
Date: 1.FEB.2021 16:06:55

15M, 16QAM, High Channel



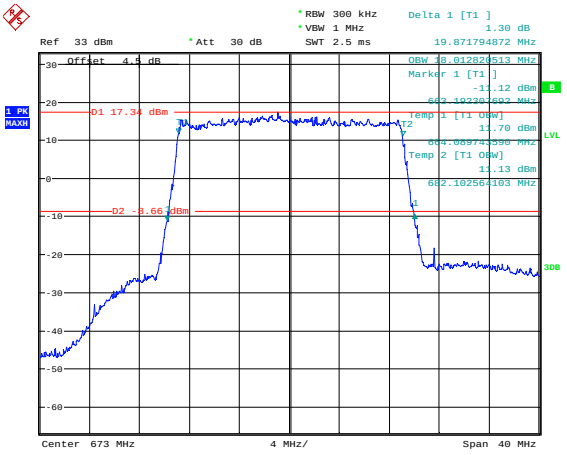
Date: 1.FEB.2021 16:09:39

20M, QPSK, Low Channel



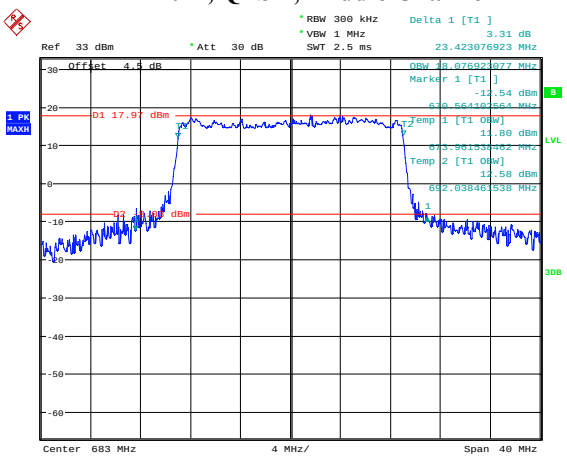
Date: 1.FEB.2021 17:14:11

20M, 16QAM, Low Channel



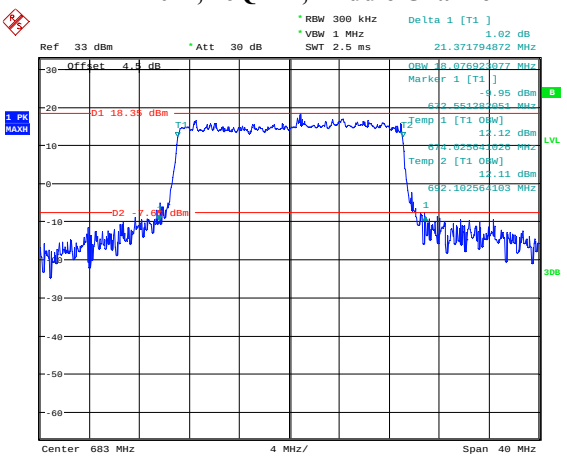
Date: 1.FEB.2021 17:15:20

20M, QPSK, Middle Channel



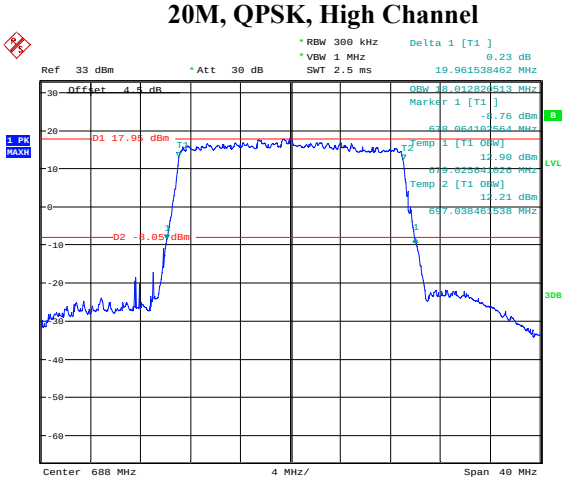
Date: 1.FEB.2021 19:00:40

20M, 16QAM, Middle Channel



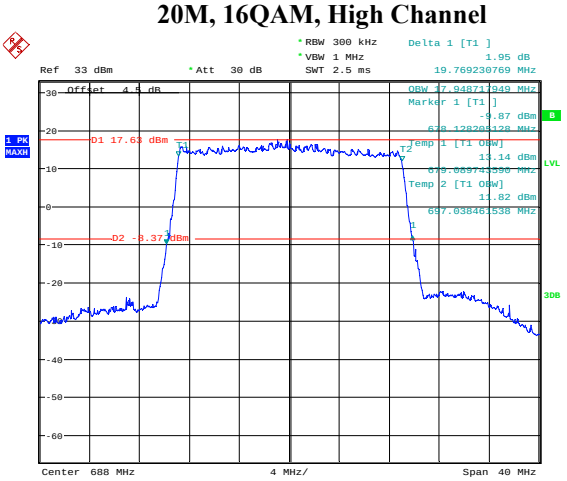
Date: 1.FEB.2021 19:03:01

20M, QPSK, High Channel



Date: 1.FEB.2021 18:38:04

20M, 16QAM, High Channel



Date: 1.FEB.2021 18:39:44

FCC §2.1051, §22.917(a) & §24.238(a) & §27.53, §90.691 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

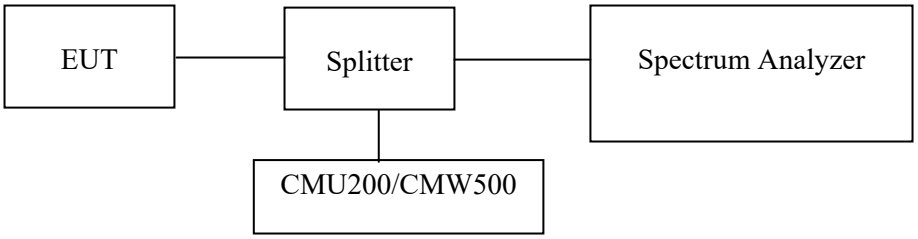
Applicable Standard

FCC §2.1051, §22.917(a) , §24.238(a) and §27.53, §90.691.

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	FSU 26	200256	2020-07-07	2021-07-07
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010012	Each time	N/A
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A
E-Microwave	Two-way Spliter	ODP-1-6-2S	OE0120142	Each Time	N/A
R&S	Wideband Radio Communication Tester	CMW500	147473	2020-09-23	2021-09-22
R&S	Universal Radio Communication Tester	CMU200	106 891	2020-09-12	2021-09-12
E-Microwave	Blocking Control	EMDCB-00036	0E01201047	Each time	N/A
Unknown	Attenuator	UNAT-3+	15529	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).

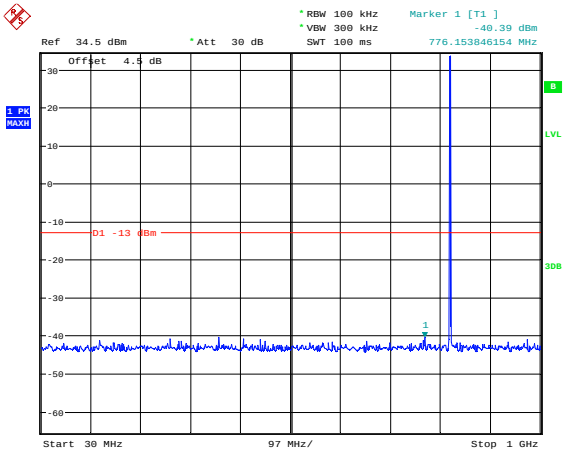
Test Data

Environmental Conditions

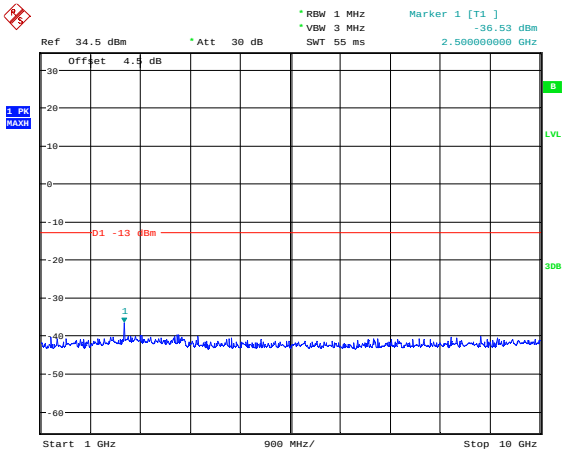
Temperature:	22.1~26.3 °C
Relative Humidity:	32~44 %
ATM Pressure:	100.8~102.8kPa
Tester:	Tylor Li
Test Date:	2021-01-27~2021-03-03

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

GSM 850, Low Channel

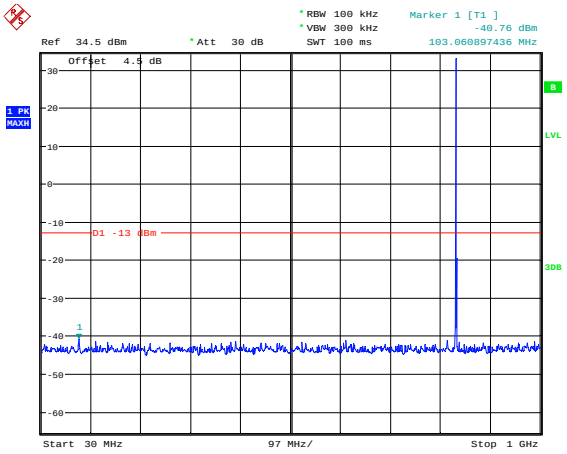


Date: 30.JAN.2021 18:02:02

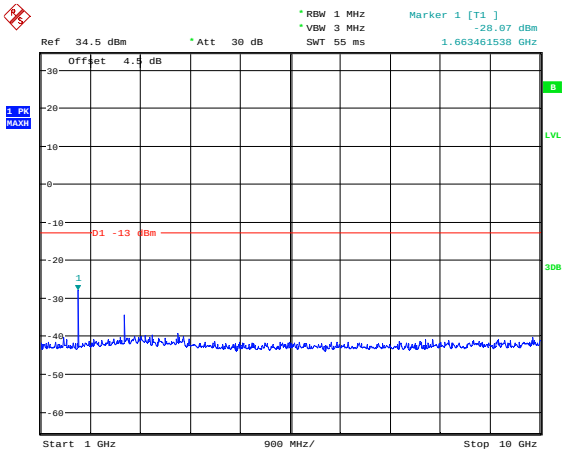


Date: 30.JAN.2021 17:47:10

GSM 850, Middle Channel

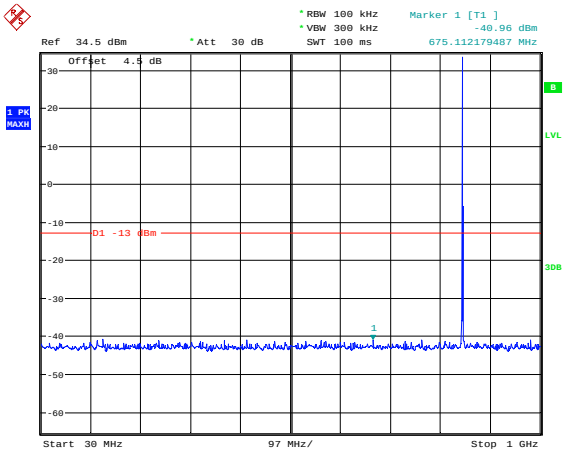


Date: 30.JAN.2021 18:02:24

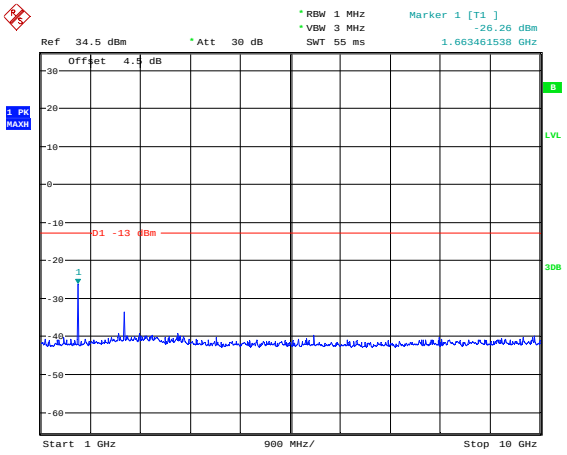


Date: 30.JAN.2021 17:47:25

GSM 850, High Channel

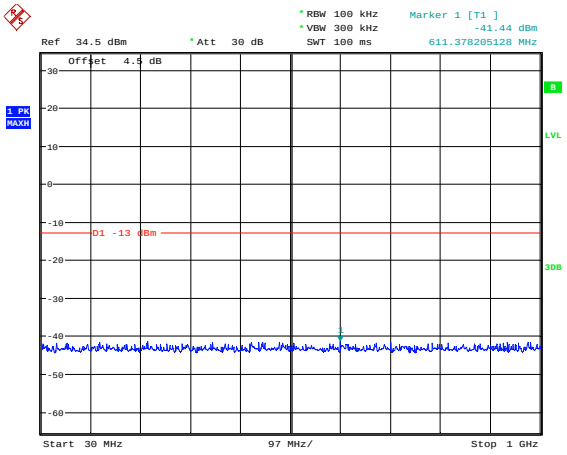


Date: 30.JAN.2021 18:01:30

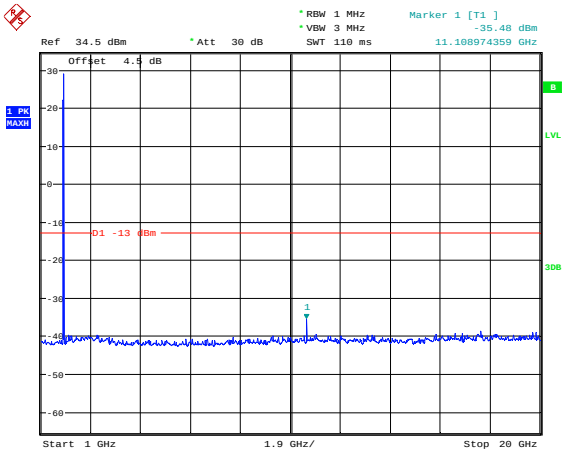


Date: 30.JAN.2021 17:47:37

GSM 1900, Low Channel

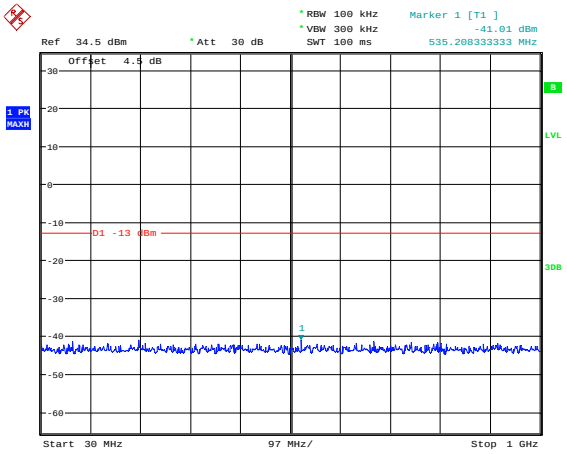


Date: 30.JAN.2021 17:03:25

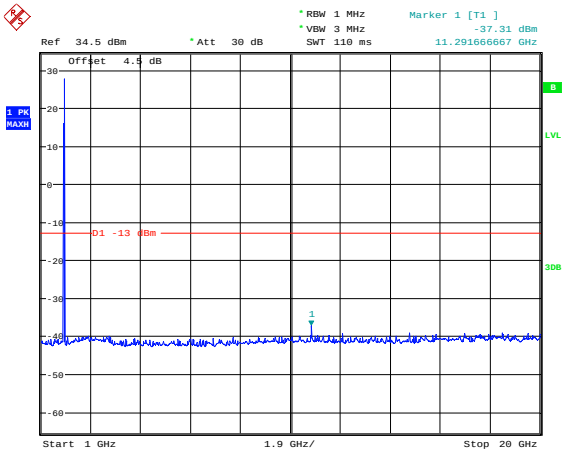


Date: 30.JAN.2021 18:10:58

GSM 1900, Middle Channel

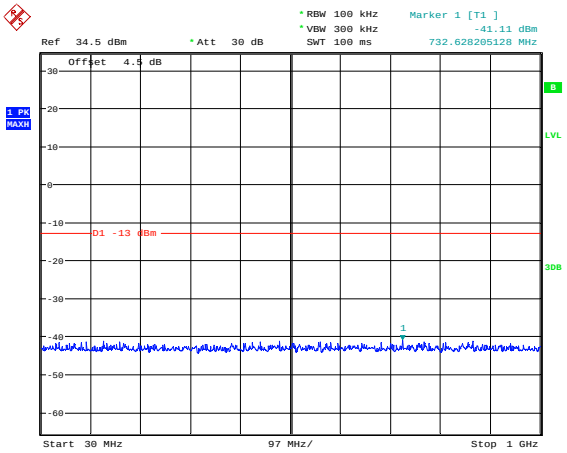


Date: 30.JAN.2021 17:03:40

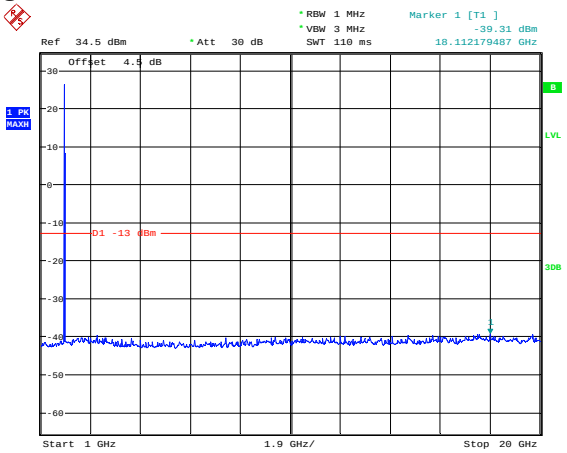


Date: 30.JAN.2021 18:15:29

GSM 1900, High Channel

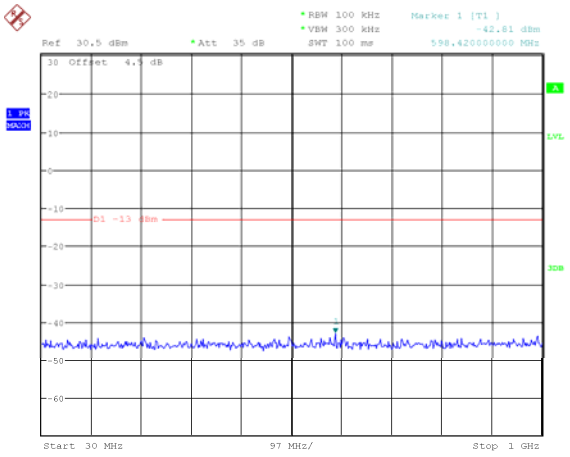


Date: 30.JAN.2021 17:04:08

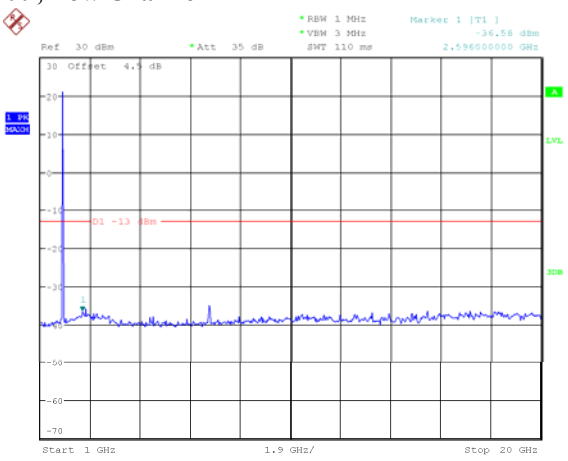


Date: 30.JAN.2021 18:15:53

WCDMA Band II, R99, Low Channel

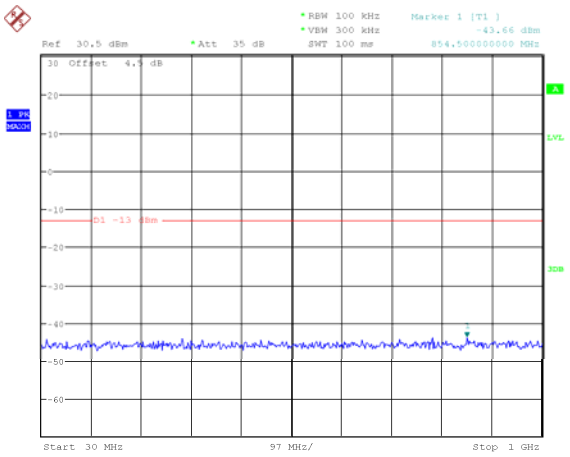


Date: 30.JAN.2021 16:51:32

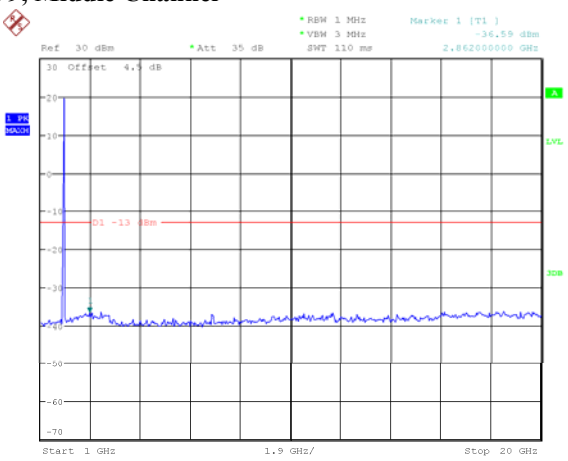


Date: 30.JAN.2021 16:40:07

WCDMA Band II, R99, Middle Channel

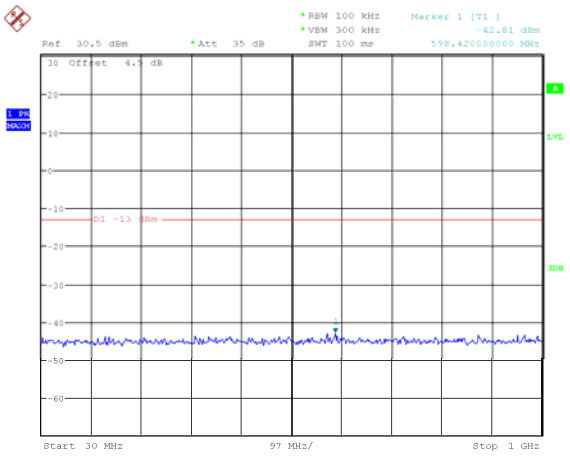


Date: 30.JAN.2021 16:51:21

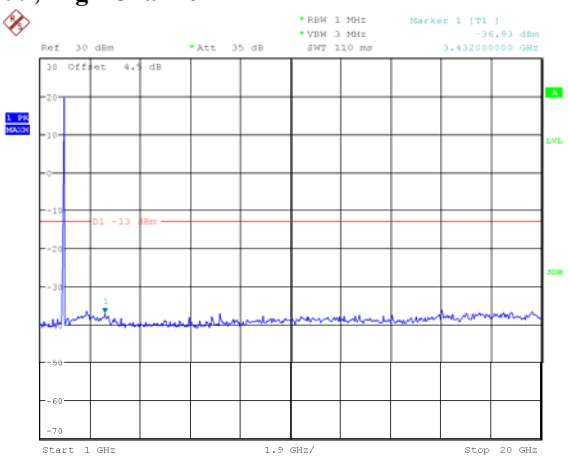


Date: 30.JAN.2021 16:42:18

WCDMA Band II, R99, High Channel

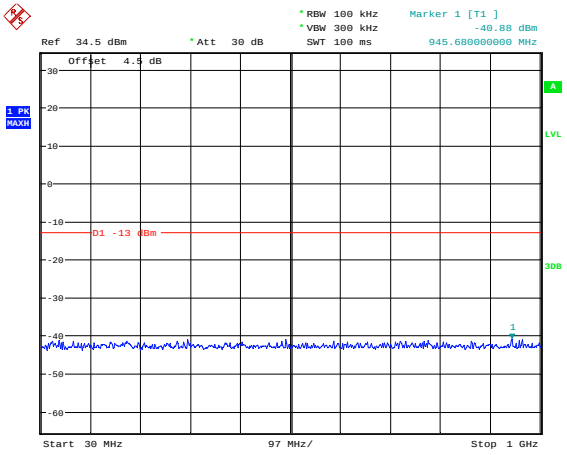


Date: 30.JAN.2021 16:52:04

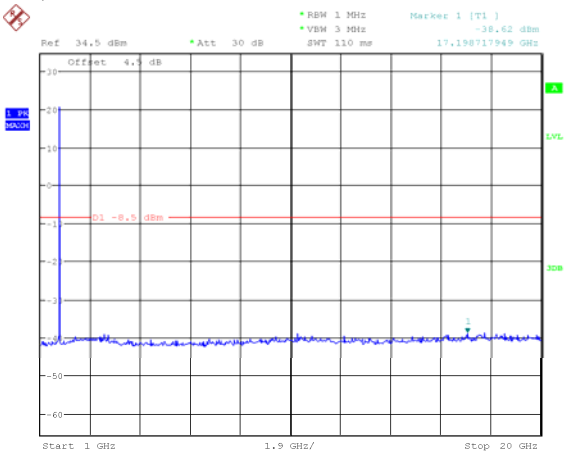


Date: 30.JAN.2021 16:42:38

WCDMA Band IV, R99, Low Channel

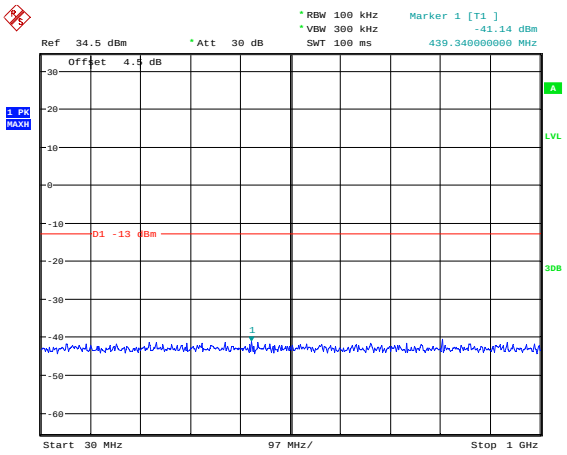


Date: 25.FEB.2021 11:49:41

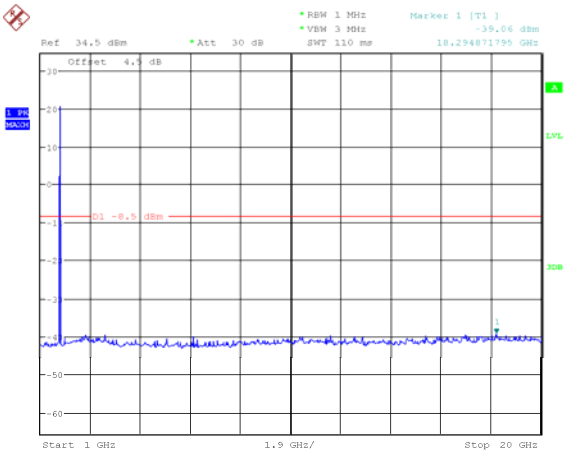


Date: 3.MAR.2021 14:15:05

WCDMA Band IV, R99, Middle Channel

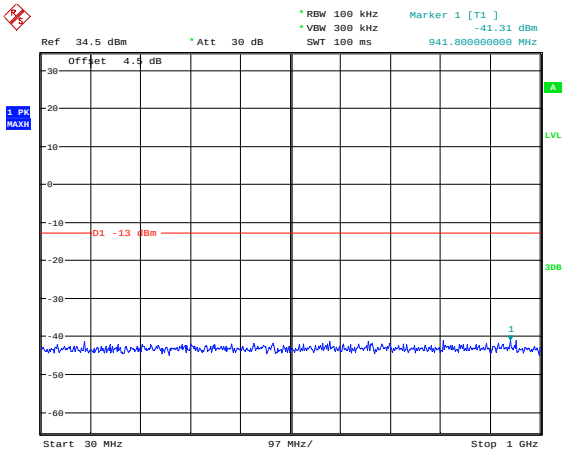


Date: 25.FEB.2021 11:49:57

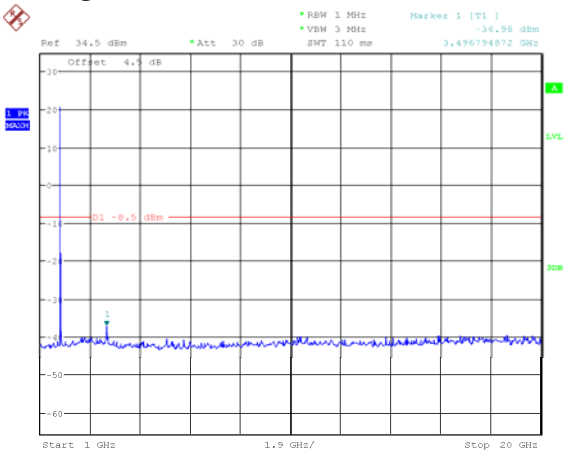


Date: 3.MAR.2021 14:25:00

WCDMA Band IV, R99, High Channel

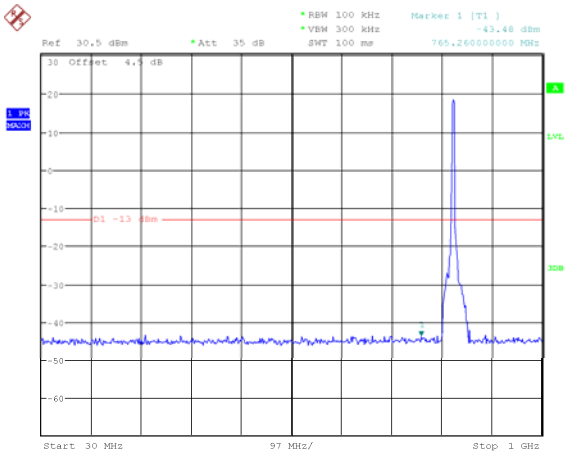


Date: 25.FEB.2021 11:50:08

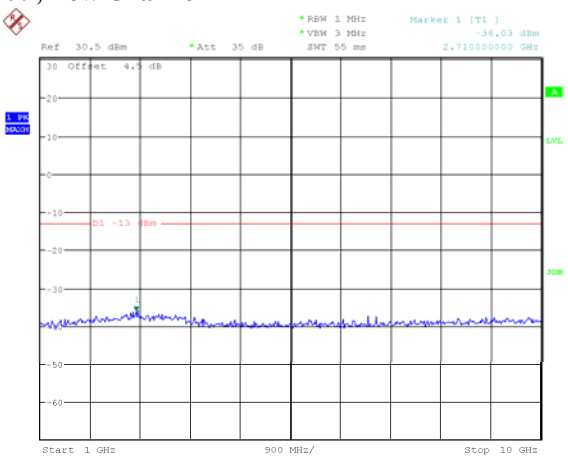


Date: 3.MAR.2021 14:25:35

WCDMA Band V, R99, Low Channel

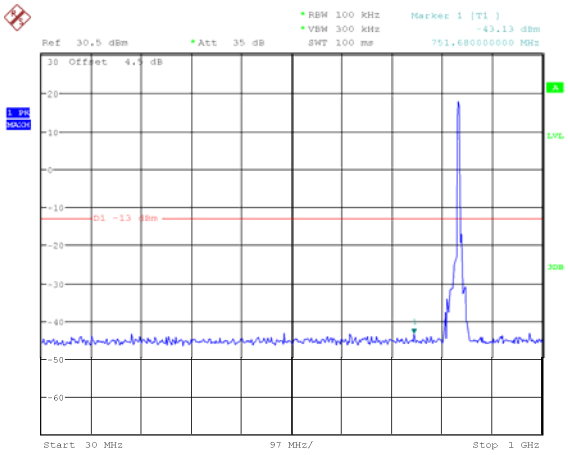


Date: 30.JAN.2021 16:53:39

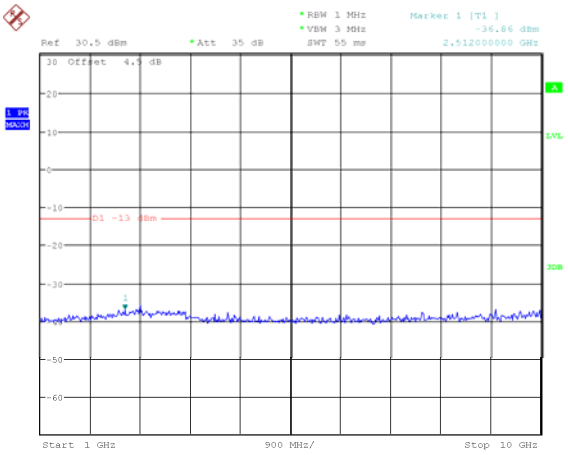


Date: 30.JAN.2021 16:55:33

WCDMA Band V, R99, Middle Channel

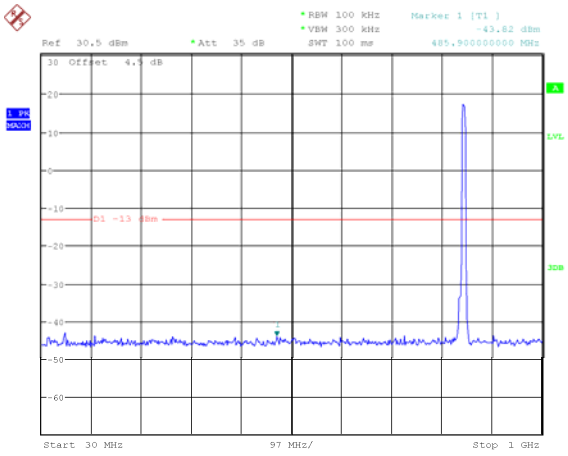


Date: 30.JAN.2021 16:54:14

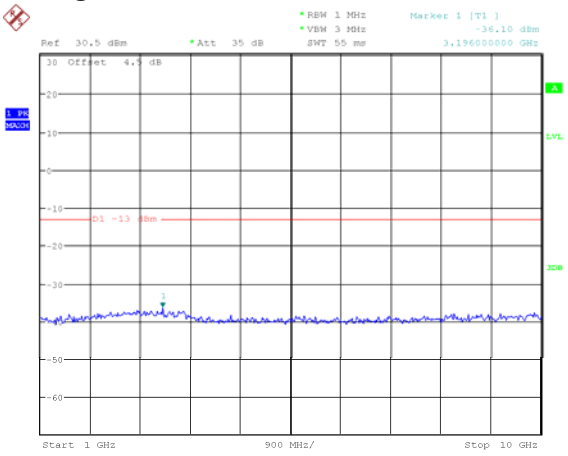


Date: 30.JAN.2021 16:55:20

WCDMA Band V, R99, High Channel



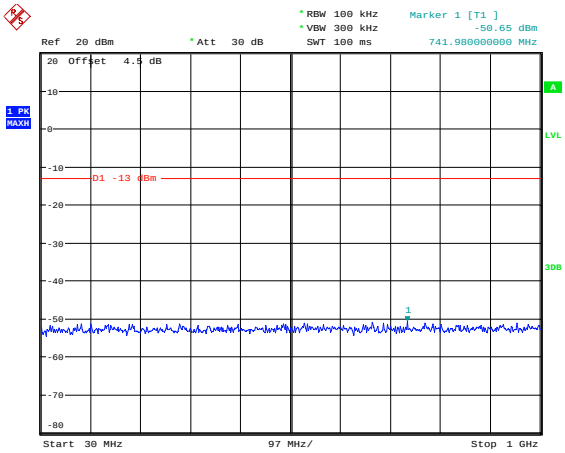
Date: 30.JAN.2021 16:54:38



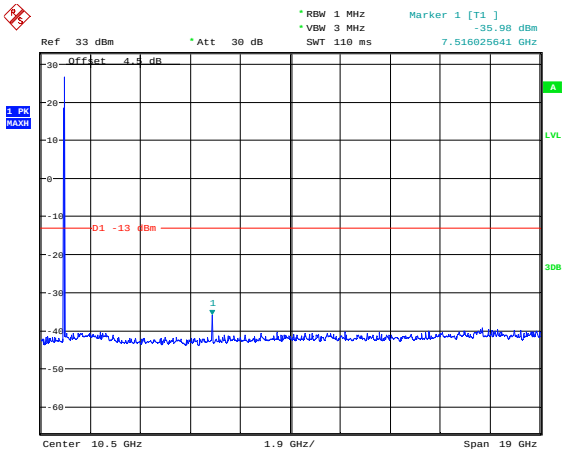
Date: 30.JAN.2021 16:55:09

LTE Band 2:

1.4M, QPSK, Low Channel

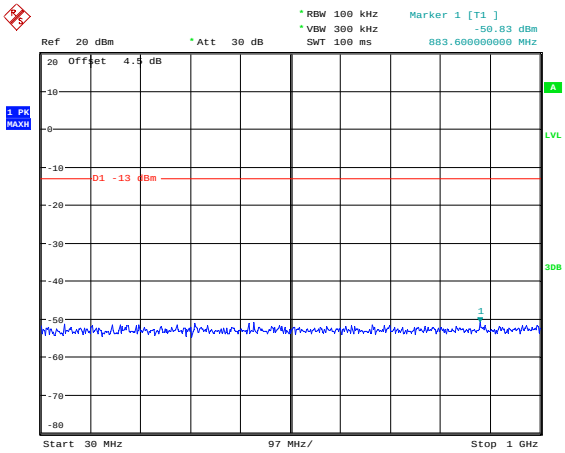


Date: 27.JAN.2021 19:58:56

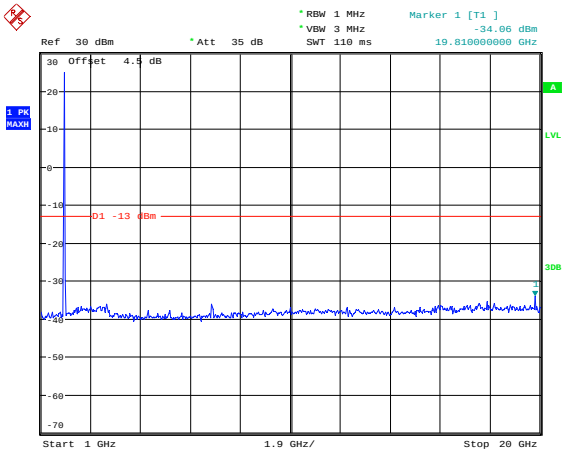


Date: 30.MAR.2021 16:01:45

1.4M, QPSK, Middle Channel

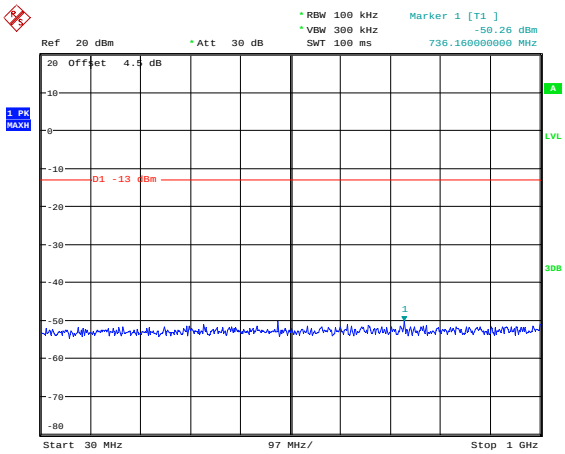


Date: 27.JAN.2021 19:59:29

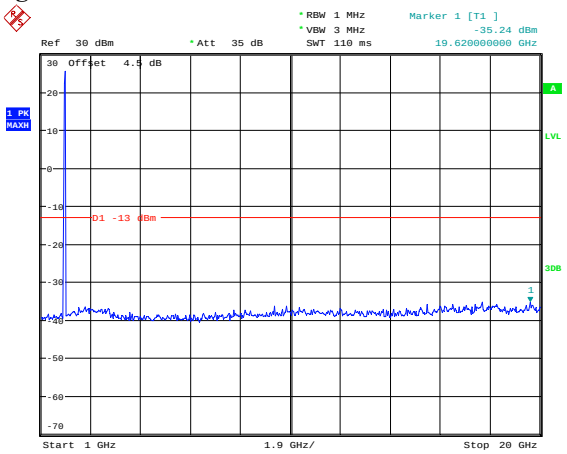


Date: 27.JAN.2021 19:59:42

1.4M, QPSK, High Channel

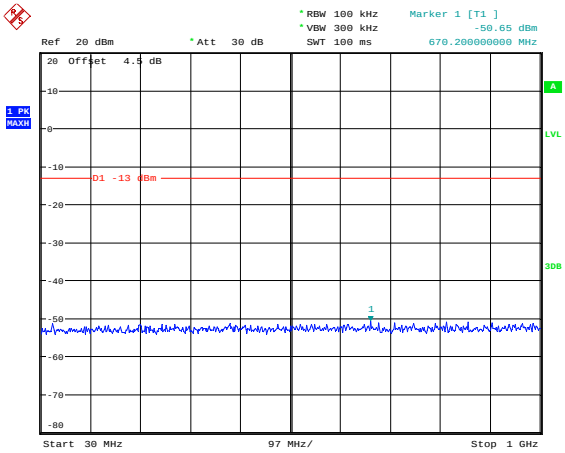


Date: 27.JAN.2021 19:59:59

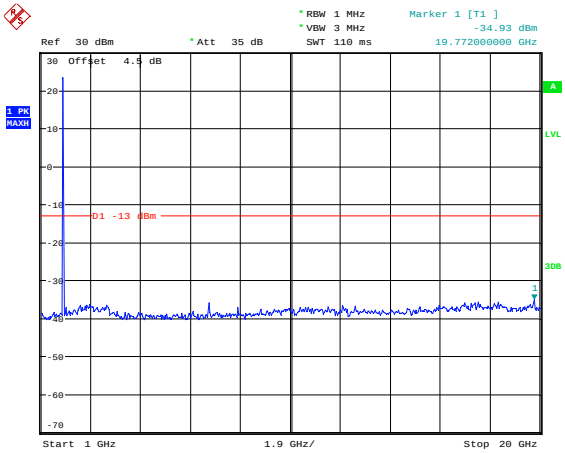


Date: 27.JAN.2021 20:00:12

3M, QPSK, Low Channel

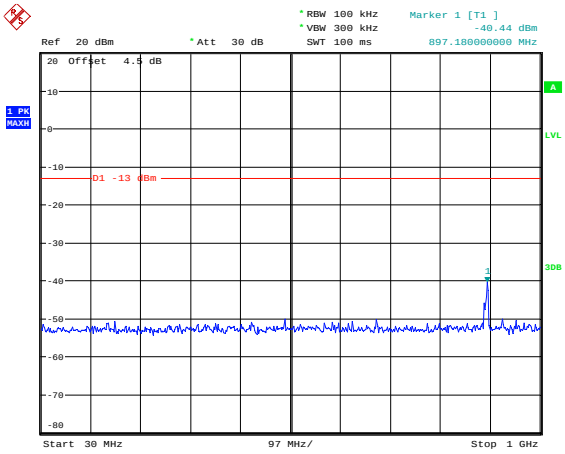


Date: 27.JAN.2021 20:00:35

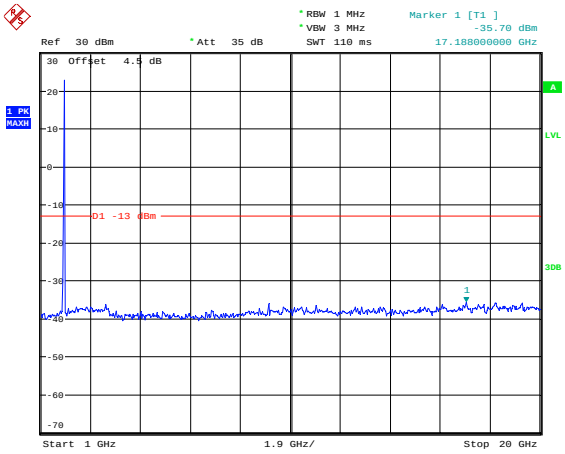


Date: 27.JAN.2021 20:00:48

3M, QPSK, Middle Channel

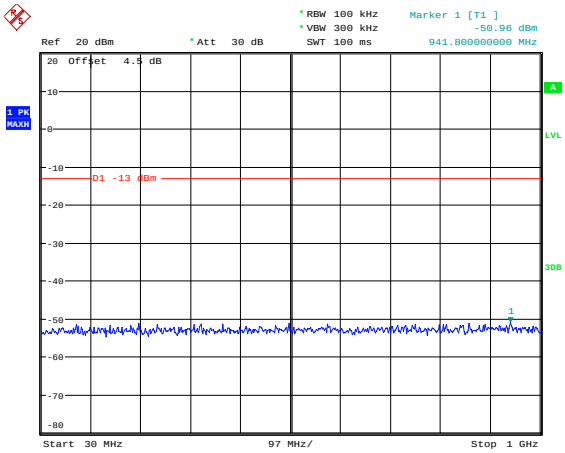


Date: 27.JAN.2021 20:01:09

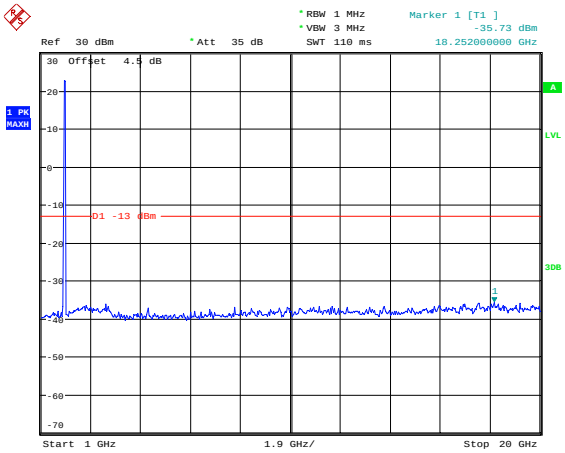


Date: 27.JAN.2021 20:01:22

3M, QPSK, High Channel

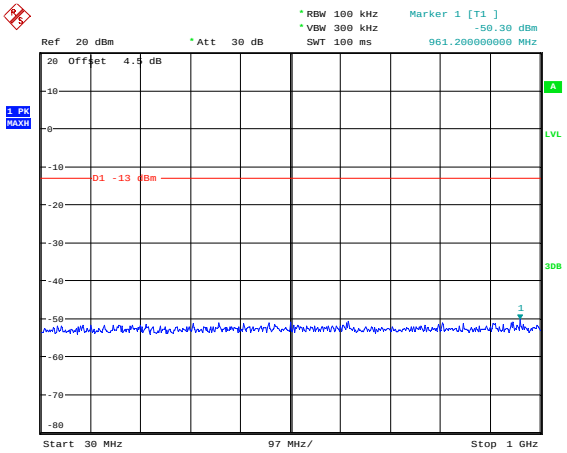


Date: 27.JAN.2021 20:01:40

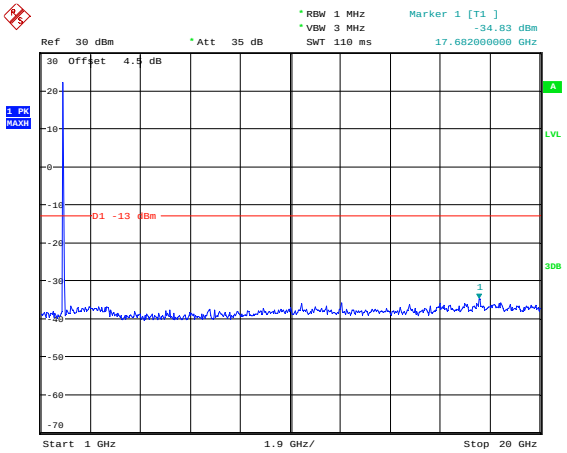


Date: 27.JAN.2021 20:01:53

5M, QPSK, Low Channel

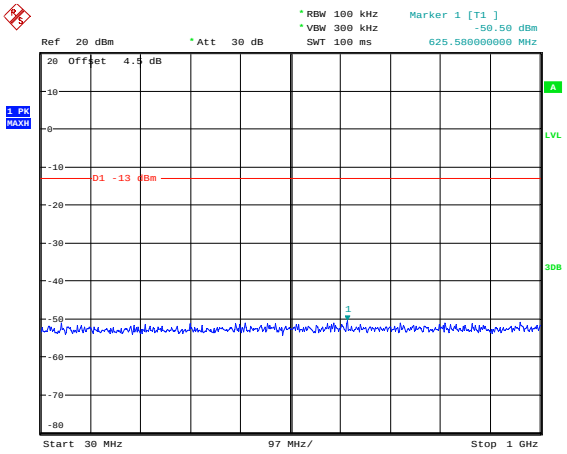


Date: 27.JAN.2021 20:02:17

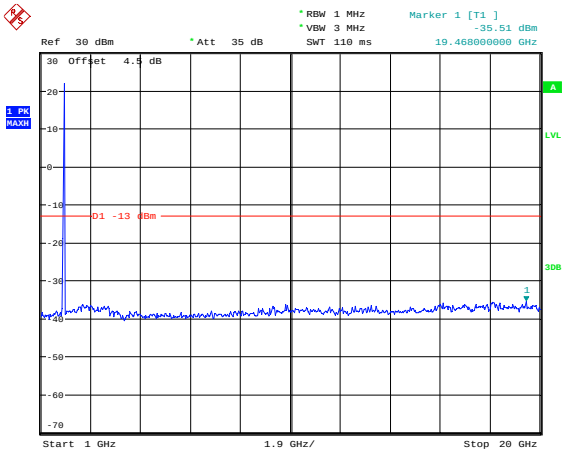


Date: 27.JAN.2021 20:02:30

5M, QPSK, Middle Channel

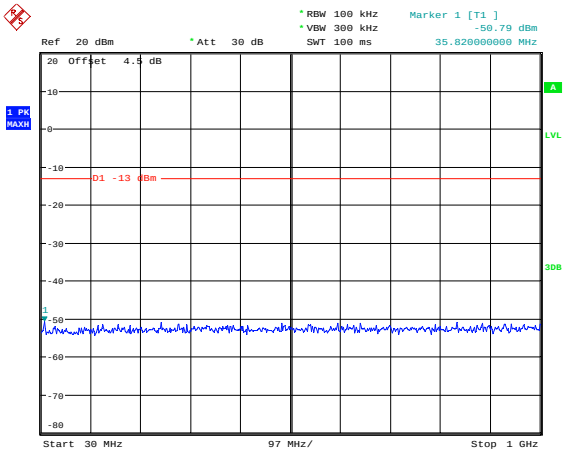


Date: 27.JAN.2021 20:02:50

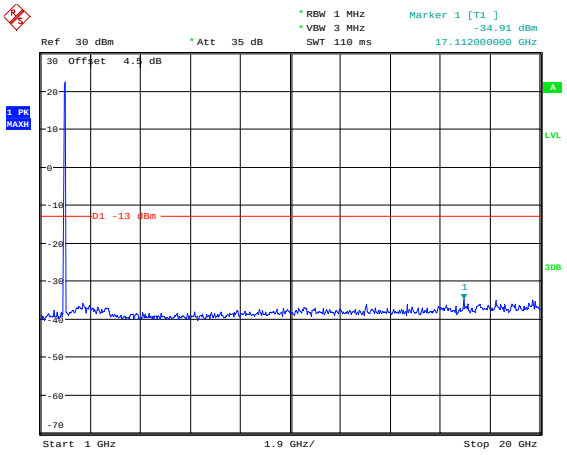


Date: 27.JAN.2021 20:03:07

5M, QPSK, High Channel

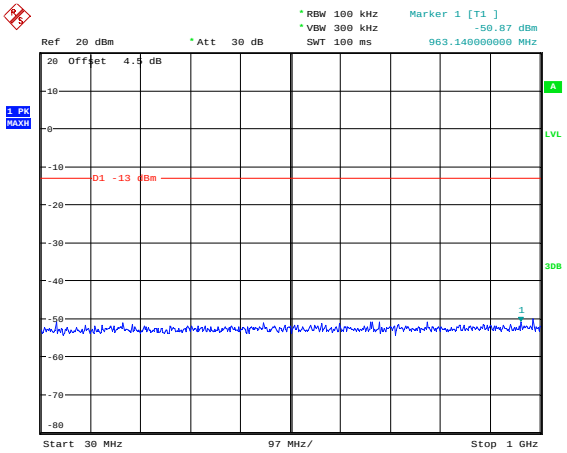


Date: 27.JAN.2021 20:03:27

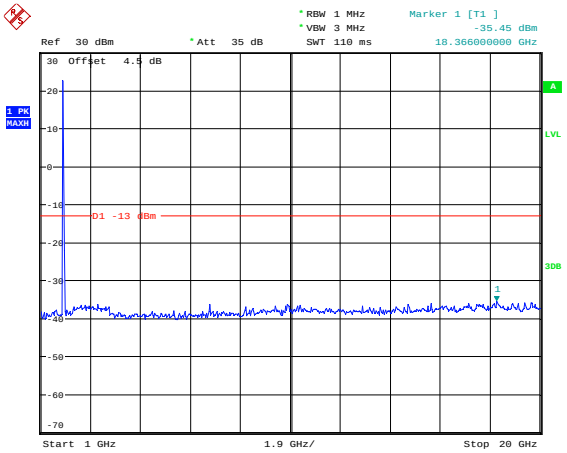


Date: 27.JAN.2021 20:03:40

10M, QPSK, Low Channel

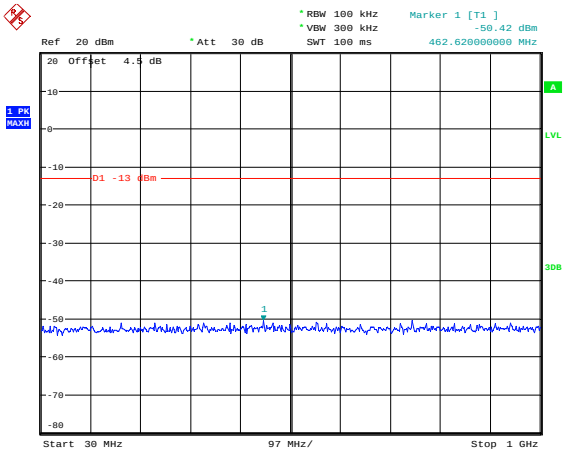


Date: 27.JAN.2021 20:04:04

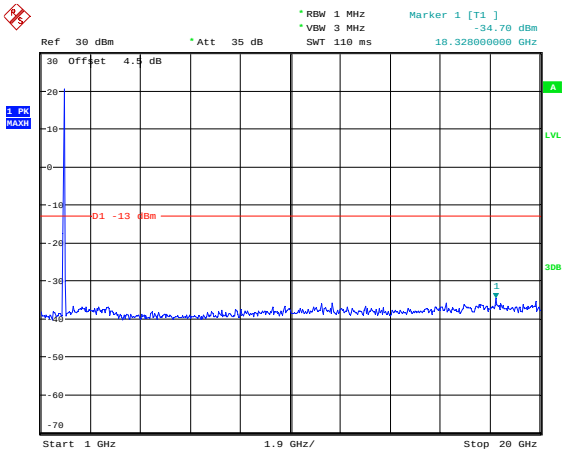


Date: 27.JAN.2021 20:04:20

10M, QPSK, Middle Channel

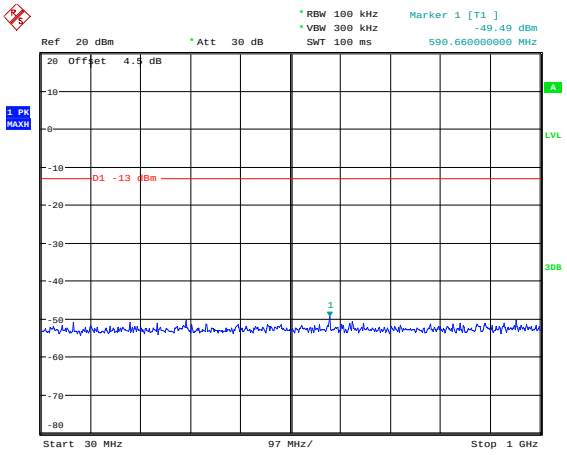


Date: 27.JAN.2021 20:04:41

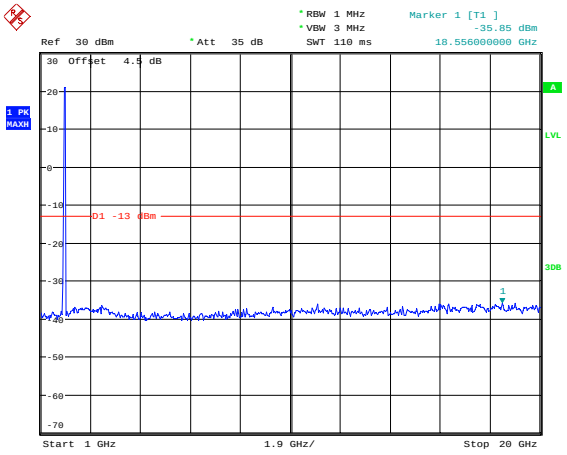


Date: 27.JAN.2021 20:04:53

10M, QPSK, High Channel

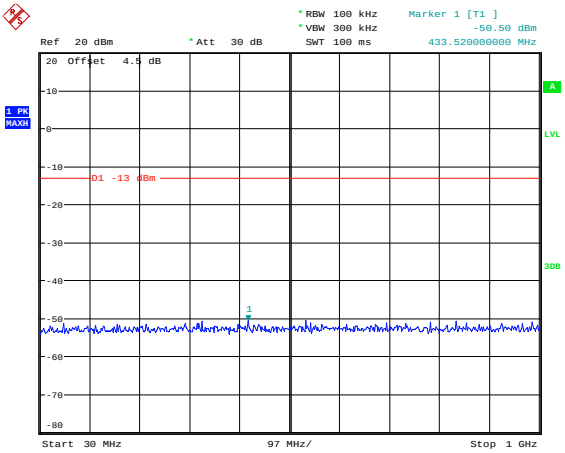


Date: 27.JAN.2021 20:05:14

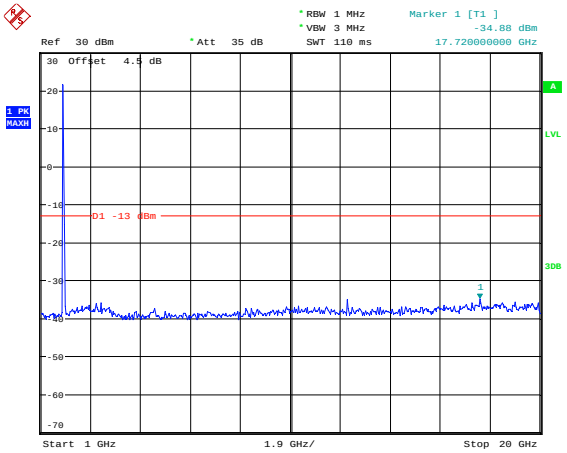


Date: 27.JAN.2021 20:05:27

15M, QPSK, Low Channel

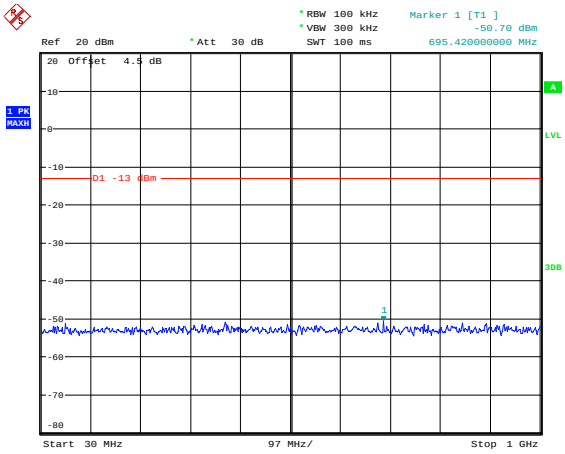


Date: 27.JAN.2021 20:05:49

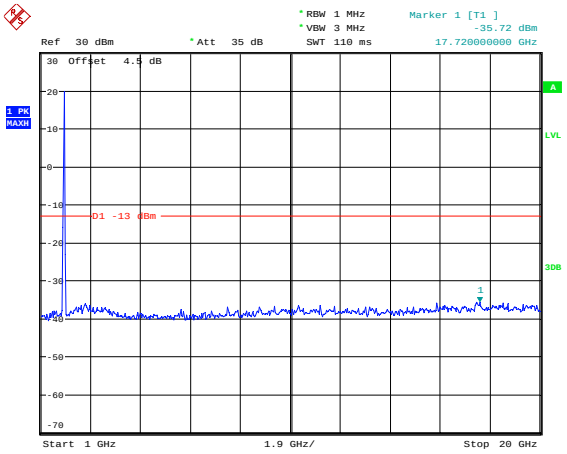


Date: 27.JAN.2021 20:06:02

15M, QPSK, Middle Channel

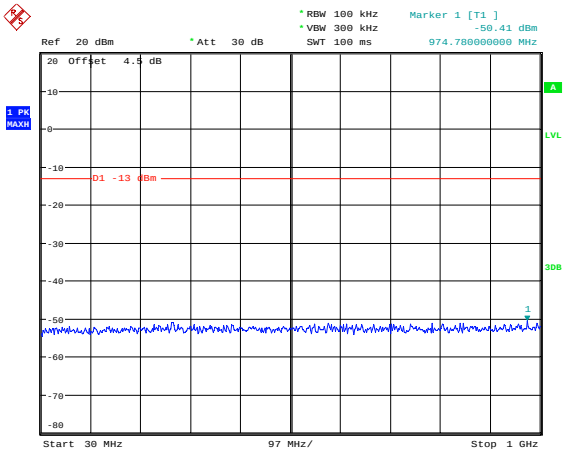


Date: 27.JAN.2021 20:06:19

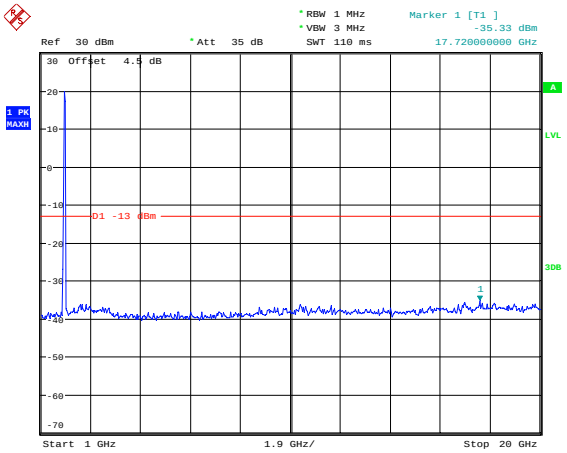


Date: 27.JAN.2021 20:06:32

15M, QPSK, High Channel

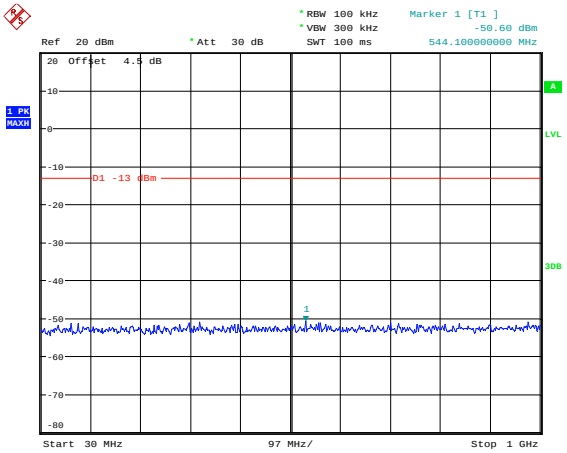


Date: 27.JAN.2021 20:06:52

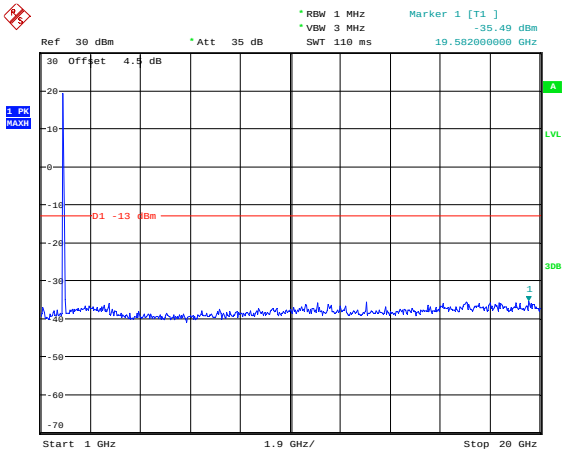


Date: 27.JAN.2021 20:07:05

20M, QPSK, Low Channel

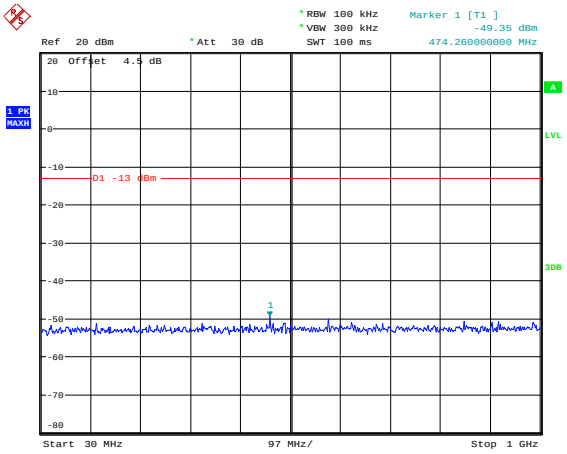


Date: 27.JAN.2021 20:07:29

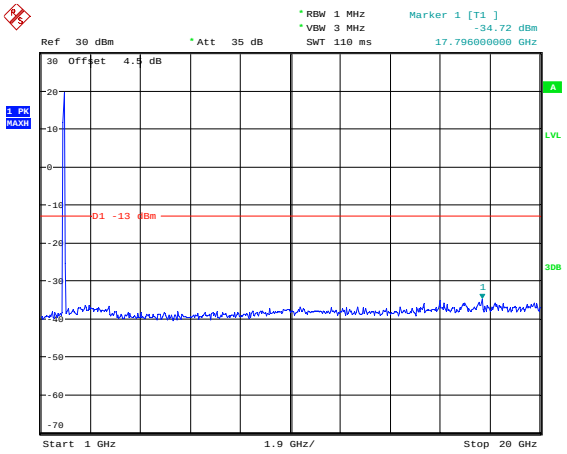


Date: 27.JAN.2021 20:07:42

20M, QPSK, Middle Channel

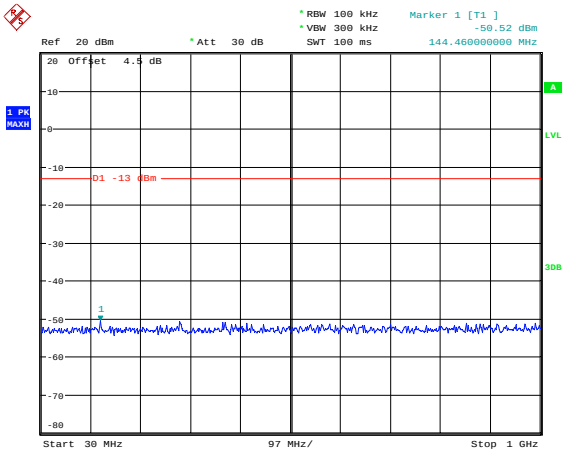


Date: 27.JAN.2021 20:08:02

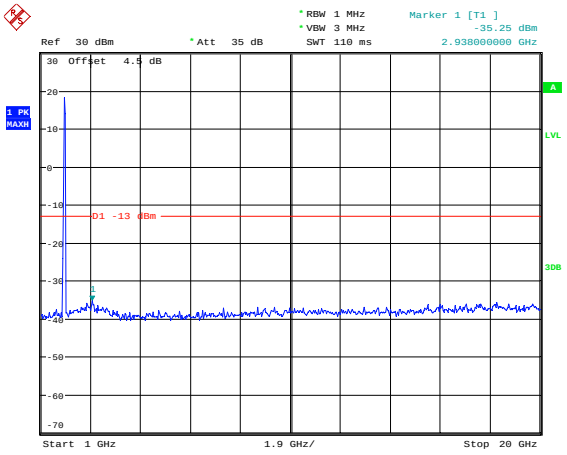


Date: 27.JAN.2021 20:08:15

20M, QPSK, High Channel



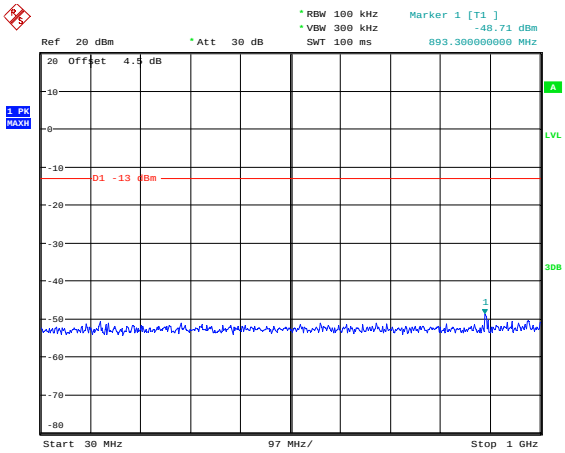
Date: 27.JAN.2021 20:08:36



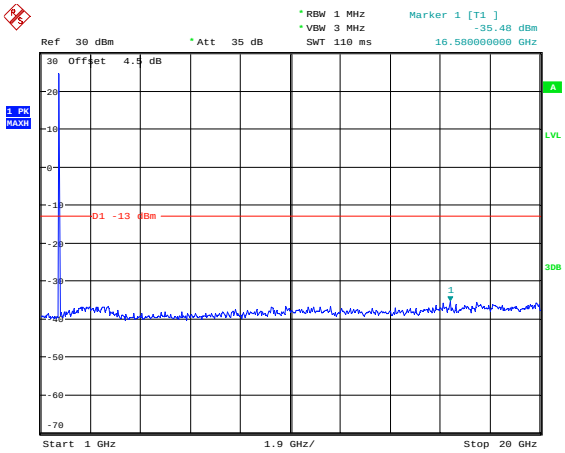
Date: 27.JAN.2021 20:08:49

LTE Band 4:

1.4M, QPSK, Low Channel

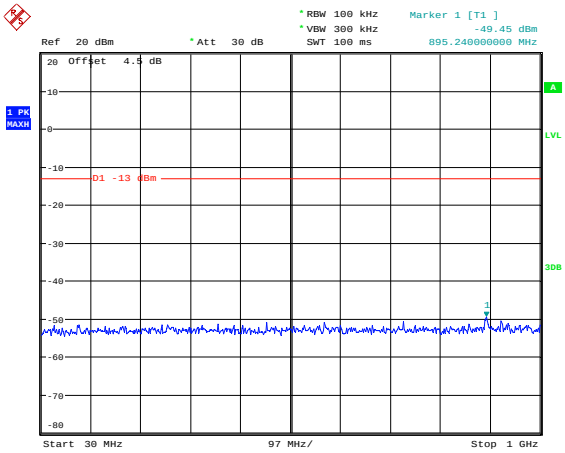


Date: 27.JAN.2021 20:09:11

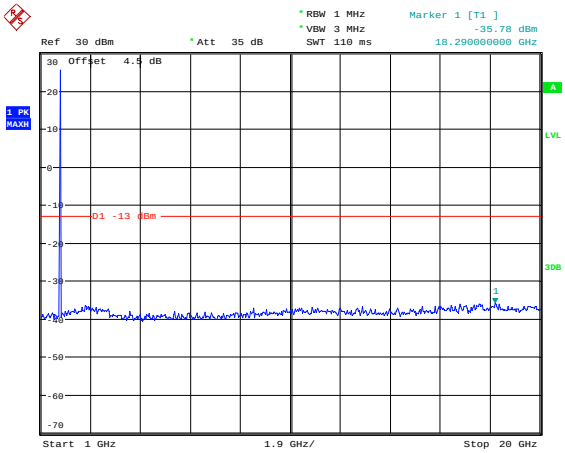


Date: 27.JAN.2021 20:09:24

1.4M, QPSK, Middle Channel

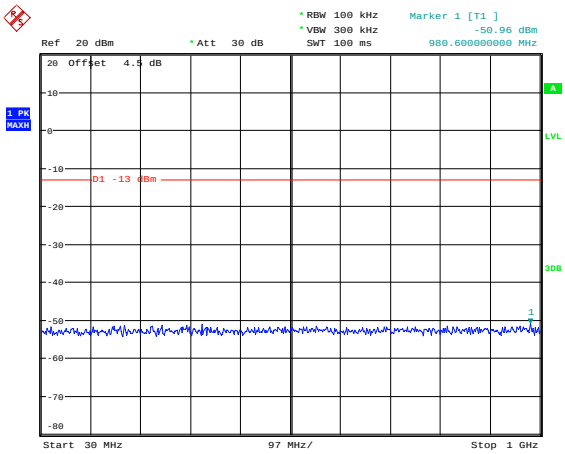


Date: 27.JAN.2021 20:09:41

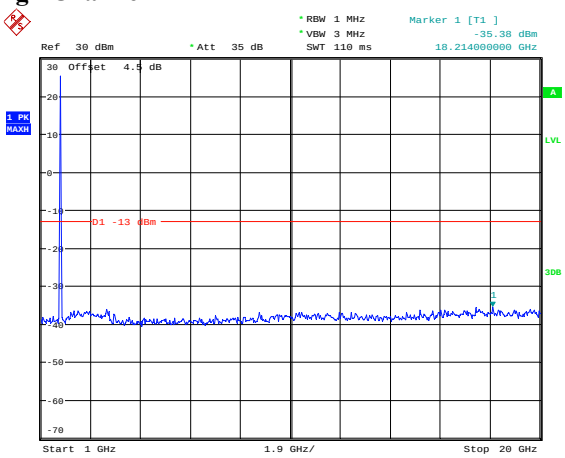


Date: 27.JAN.2021 20:09:54

1.4M, QPSK, High Channel

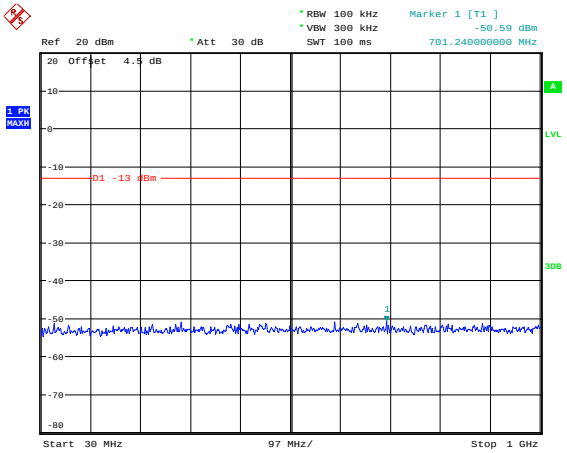


Date: 27.JAN.2021 20:10:14

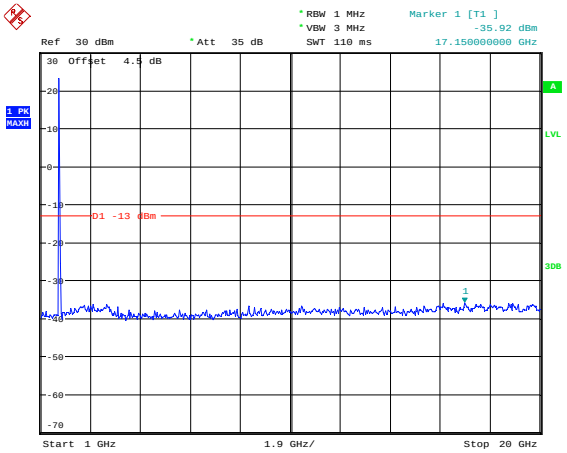


Date: 27.JAN.2021 20:10:27

3M, QPSK, Low Channel

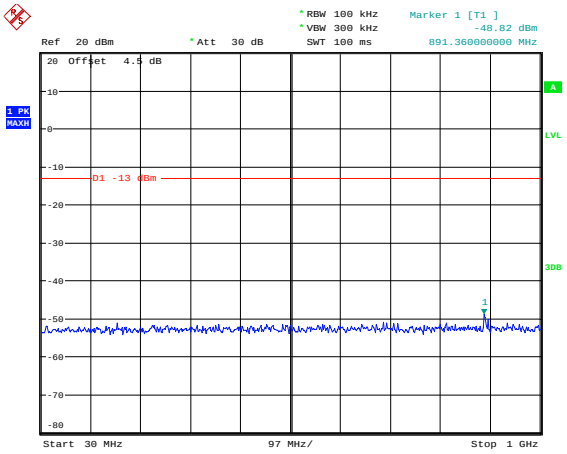


Date: 27.JAN.2021 20:10:46

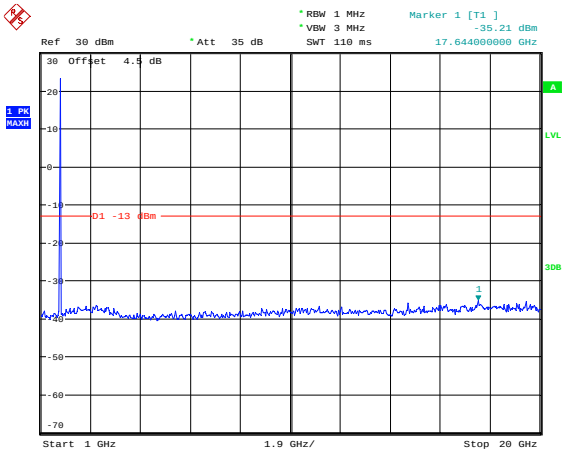


Date: 27.JAN.2021 20:10:59

3M, QPSK, Middle Channel

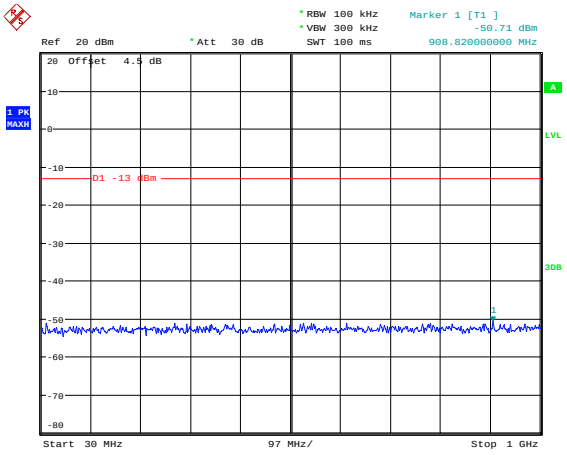


Date: 27.JAN.2021 20:11:19

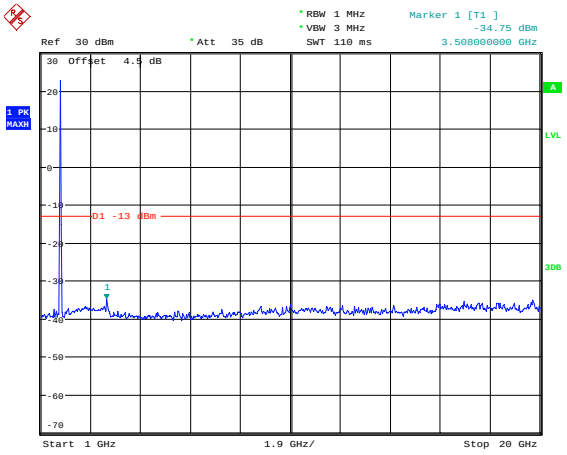


Date: 27.JAN.2021 20:11:32

3M, QPSK, High Channel

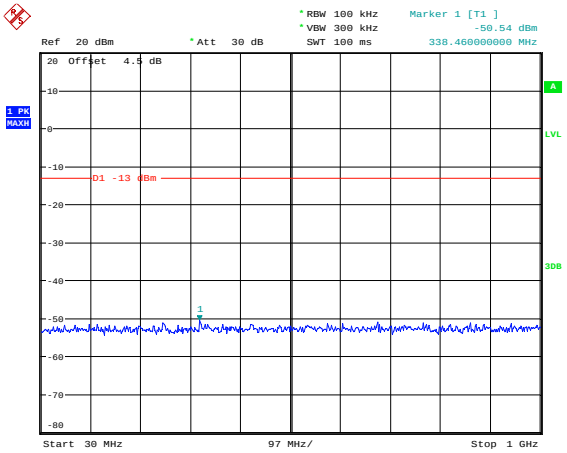


Date: 27.JAN.2021 20:11:52

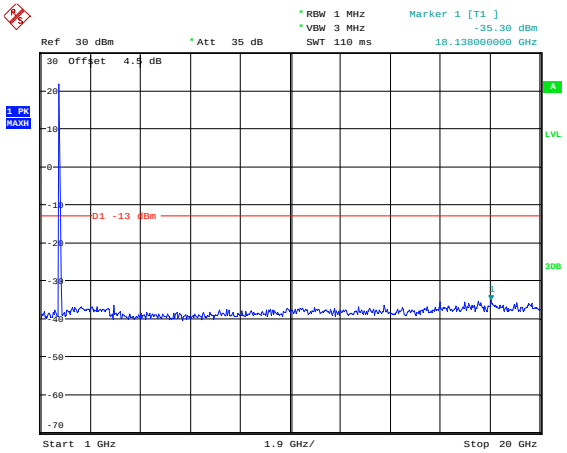


Date: 27.JAN.2021 20:12:09

5M, QPSK, Low Channel

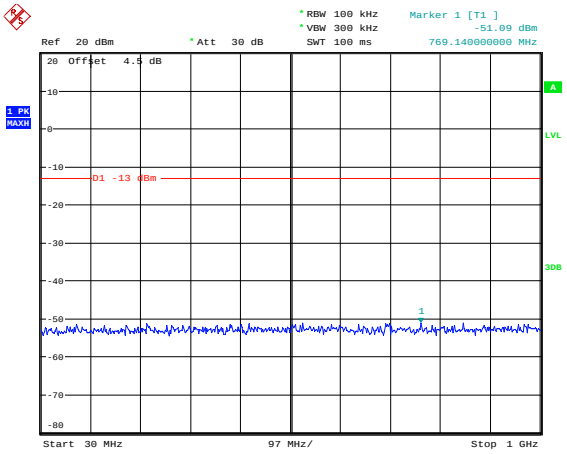


Date: 27.JAN.2021 20:12:31

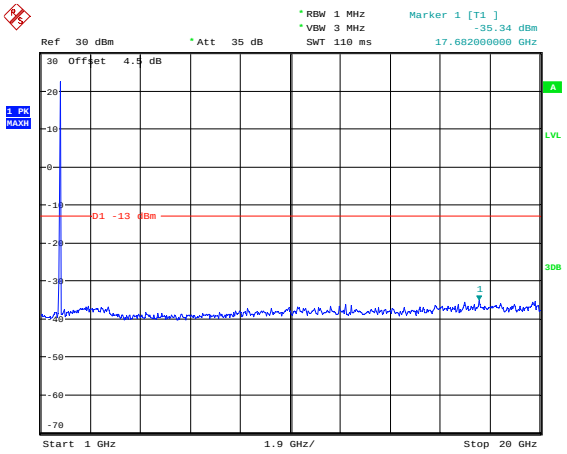


Date: 27.JAN.2021 20:12:44

5M, QPSK, Middle Channel

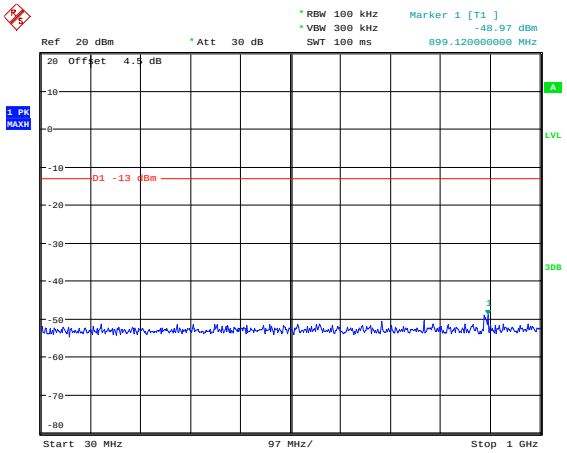


Date: 27.JAN.2021 20:13:01



Date: 27.JAN.2021 20:13:14

5M, QPSK, High Channel



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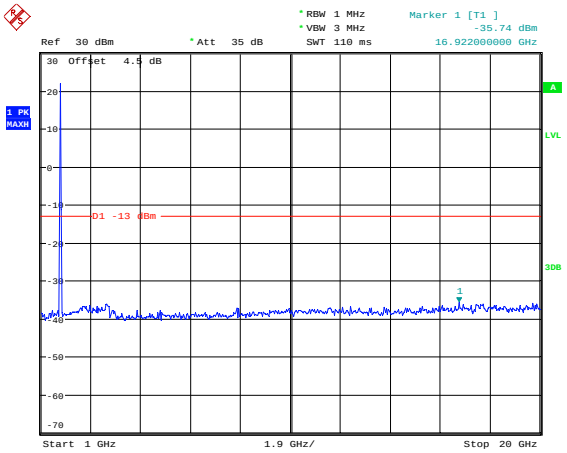
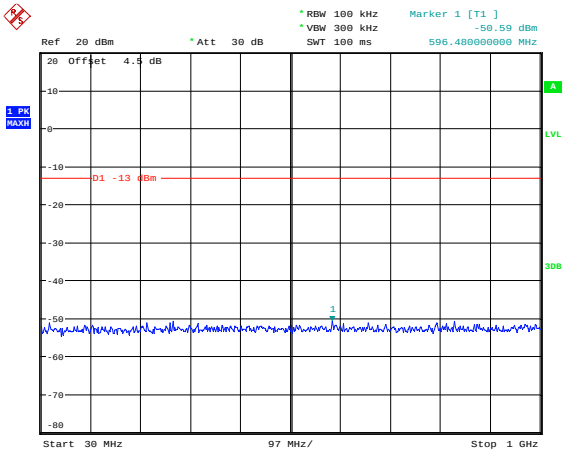
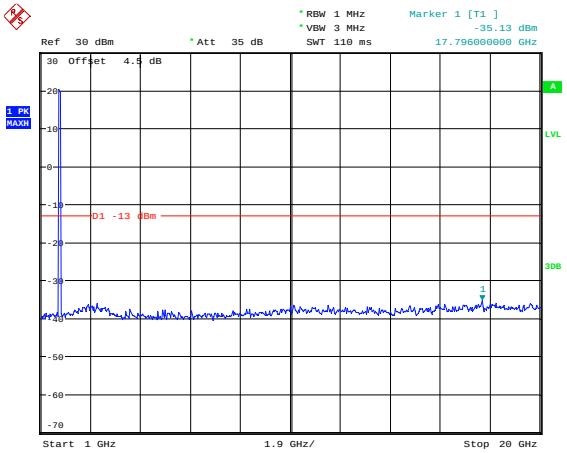


Date: 27.JAN.2021 20:13:43

10M, QPSK, Low Channel

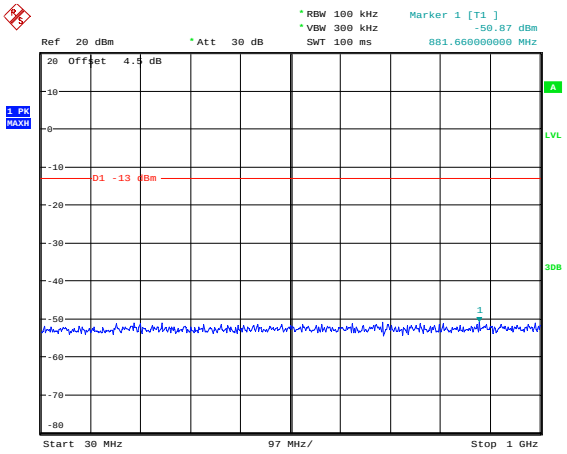


Date: 27.JAN.2021 20:14:06



Date: 27.JAN.2021 20:14:19

10M, QPSK, Middle Channel



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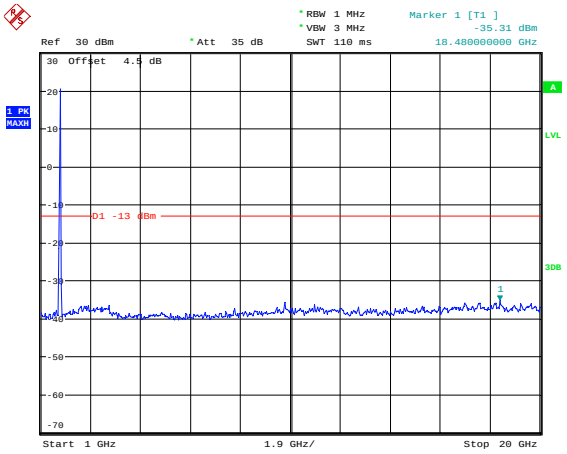
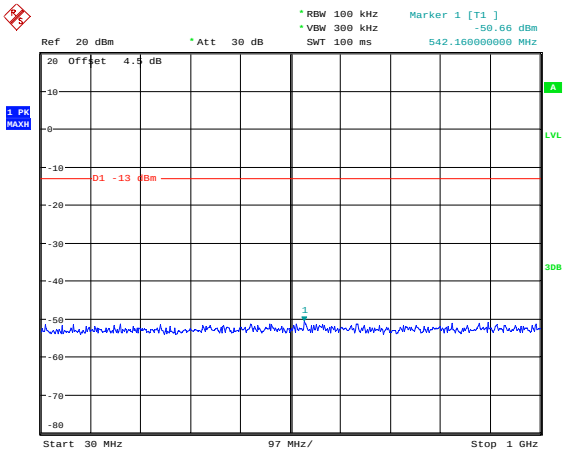
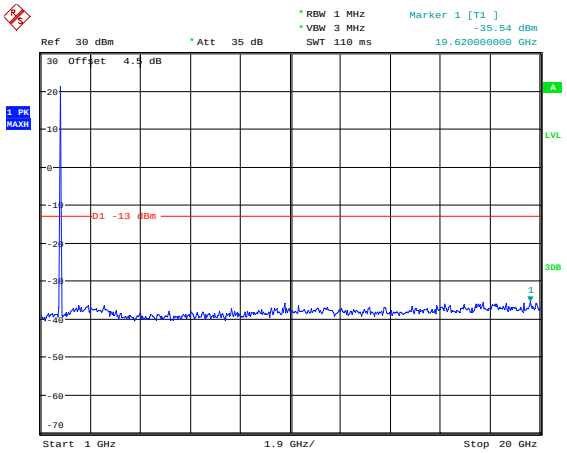


Date: 27.JAN.2021 20:14:52

10M, QPSK, High Channel

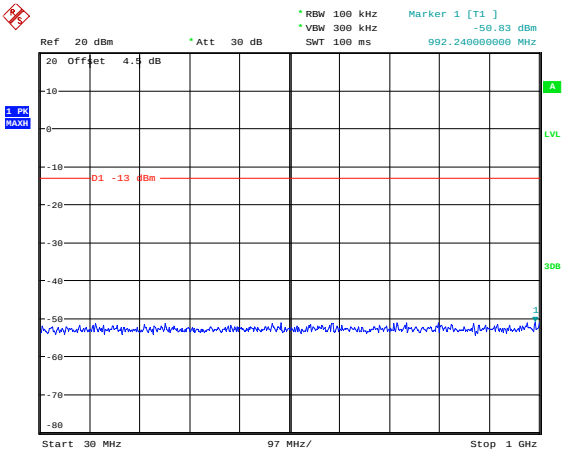


Date: 27.JAN.2021 20:15:13

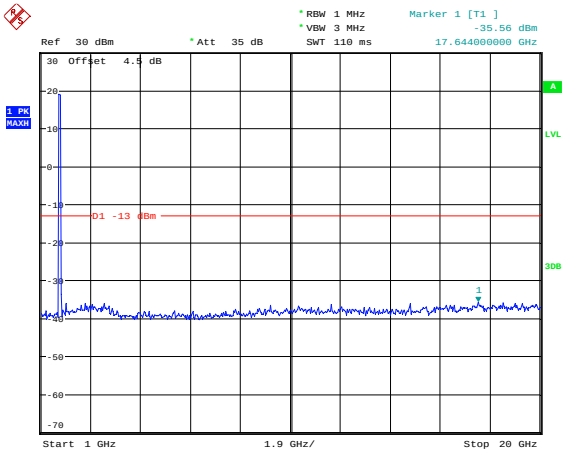


Date: 27.JAN.2021 20:15:26

15M, QPSK, Low Channel

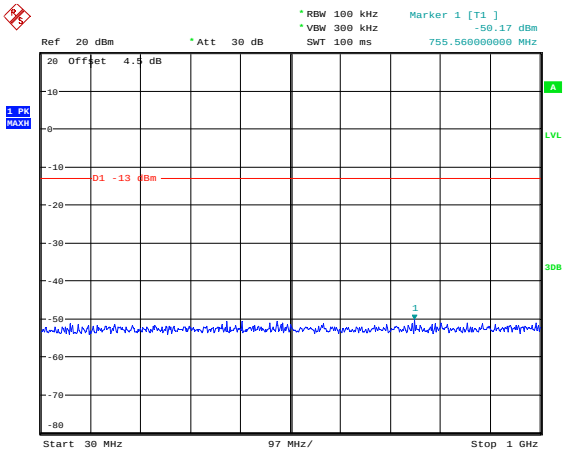


Date: 27.JAN.2021 20:15:48

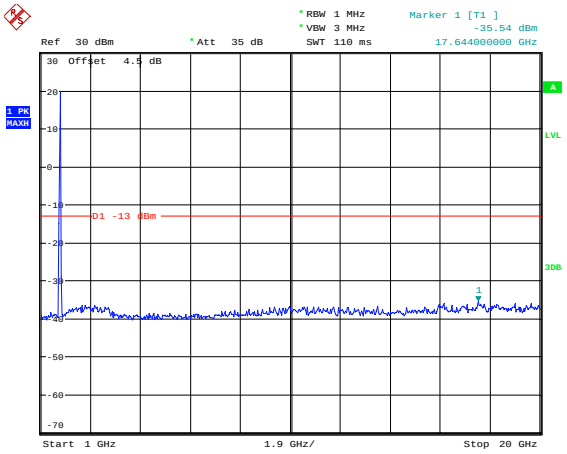


Date: 27.JAN.2021 20:16:01

15M, QPSK, Middle Channel

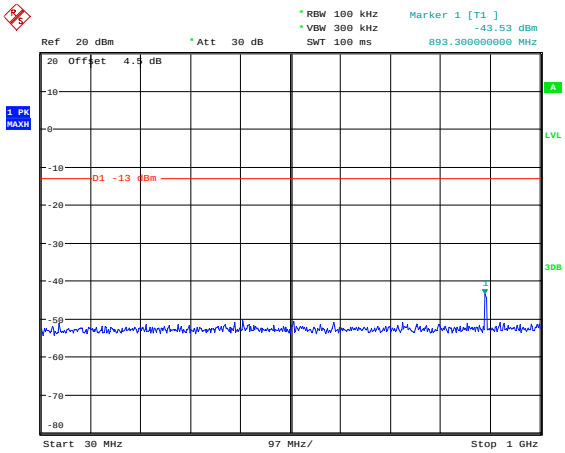


Date: 27.JAN.2021 20:16:22

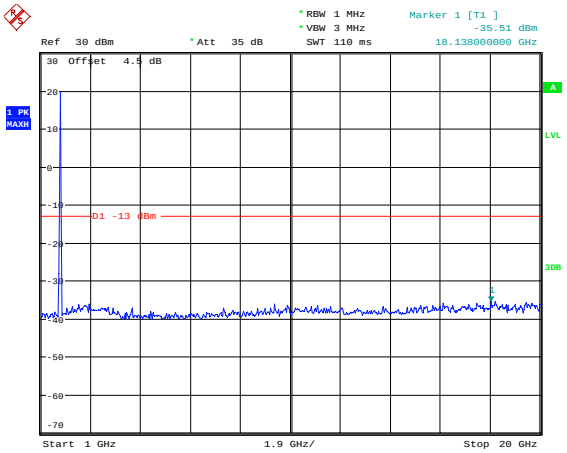


Date: 27.JAN.2021 20:16:34

15M, QPSK, High Channel

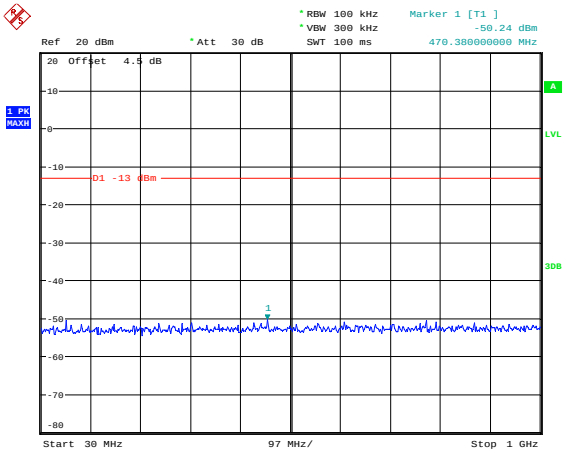


Date: 27.JAN.2021 20:16:55

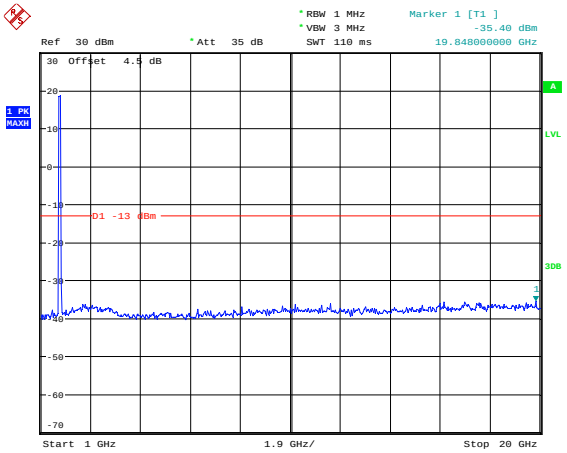


Date: 27.JAN.2021 20:17:11

20M, QPSK, Low Channel

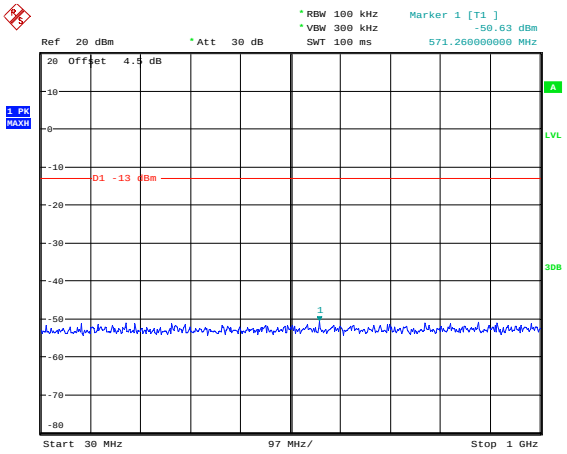


Date: 27.JAN.2021 20:17:34

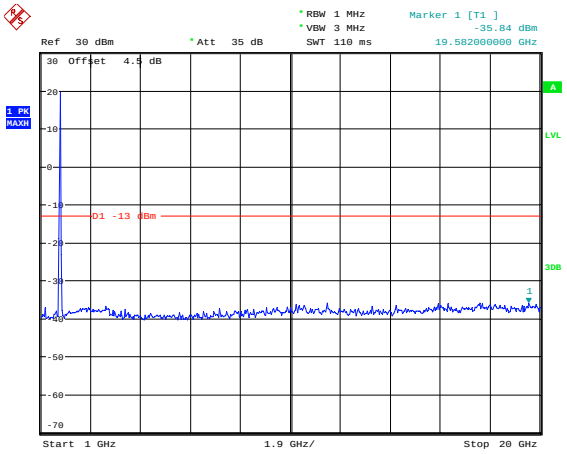


Date: 27.JAN.2021 20:17:51

20M, QPSK, Middle Channel

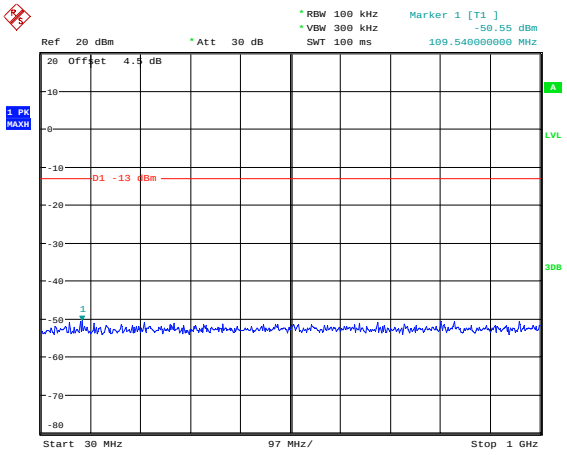


Date: 27.JAN.2021 20:18:08

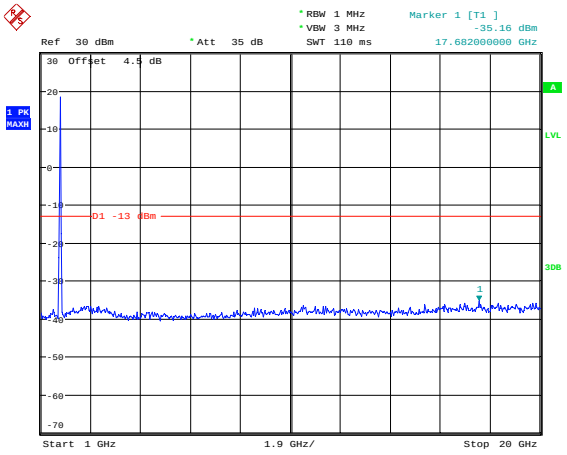


Date: 27.JAN.2021 20:18:20

20M, QPSK, High Channel



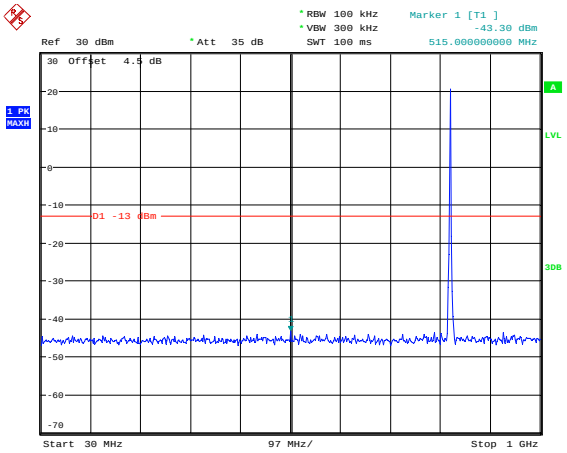
Date: 27.JAN.2021 20:18:41



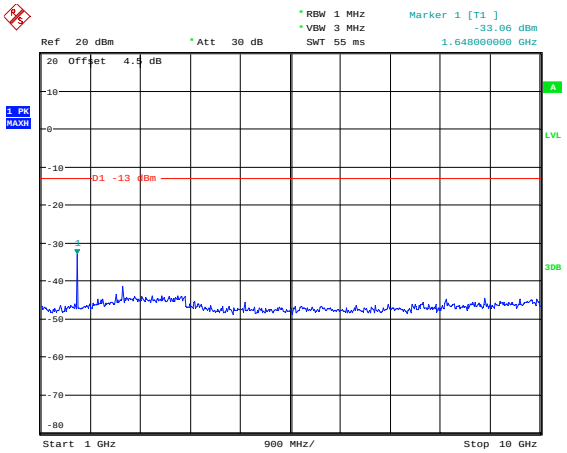
Date: 27.JAN.2021 20:18:54

LTE Band 5:

1.4M, QPSK, Low Channel

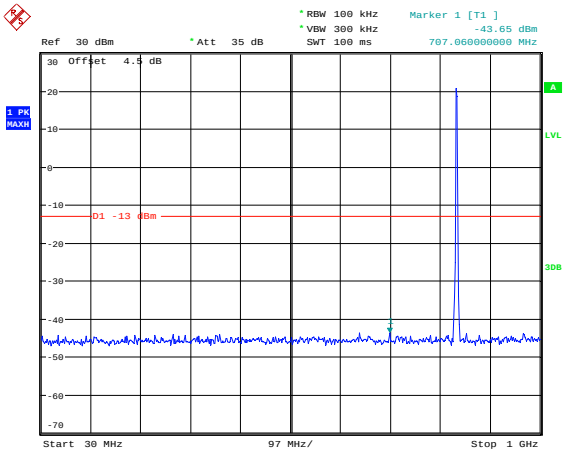


Date: 27.JAN.2021 20:19:16

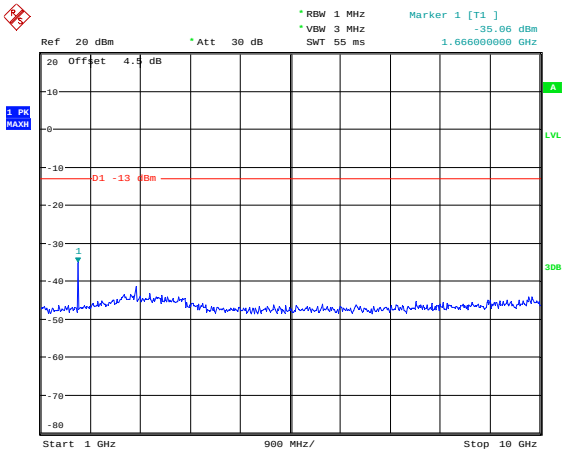


Date: 27.JAN.2021 20:19:29

1.4M, QPSK, Middle Channel

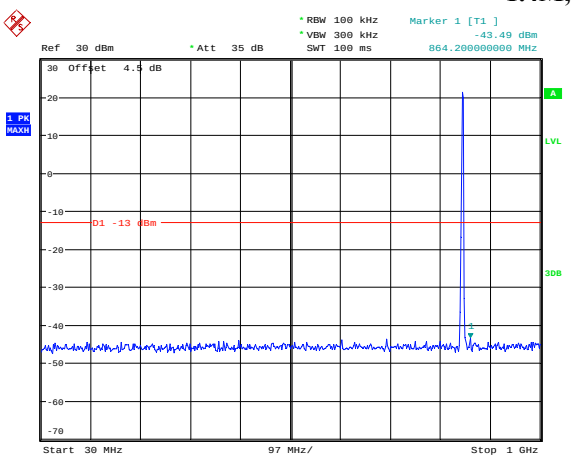


Date: 27.JAN.2021 20:19:50

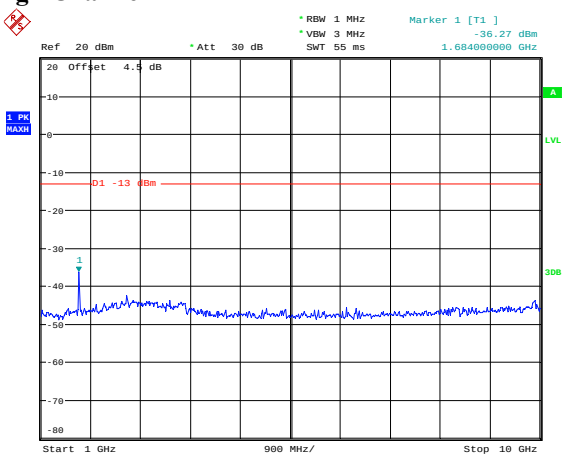


Date: 27.JAN.2021 20:20:02

1.4M, QPSK, High Channel

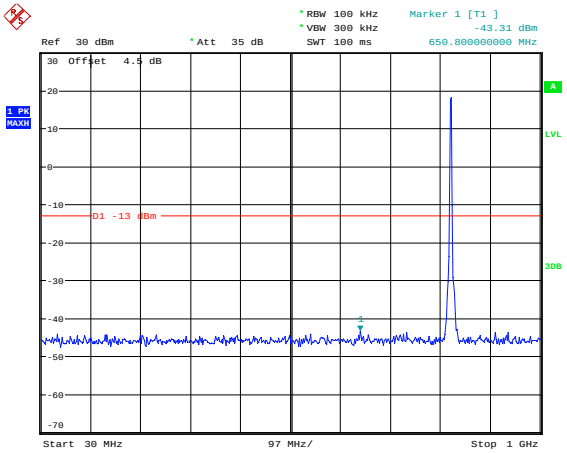


Date: 27.JAN.2021 20:20:19

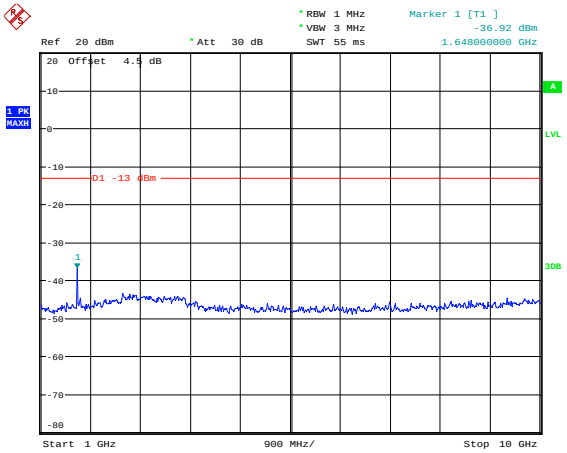


Date: 27.JAN.2021 20:20:32

3M, QPSK, Low Channel

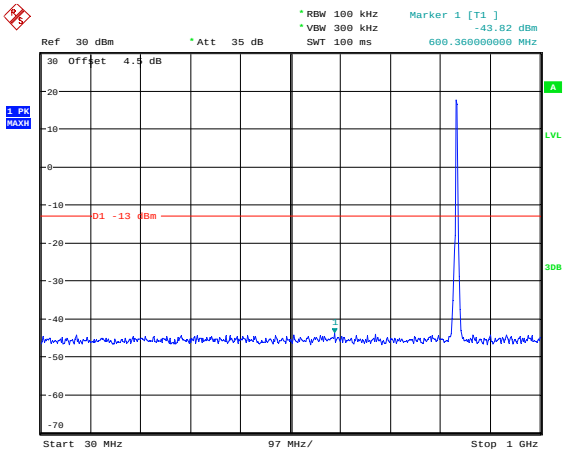


Date: 27.JAN.2021 20:20:51

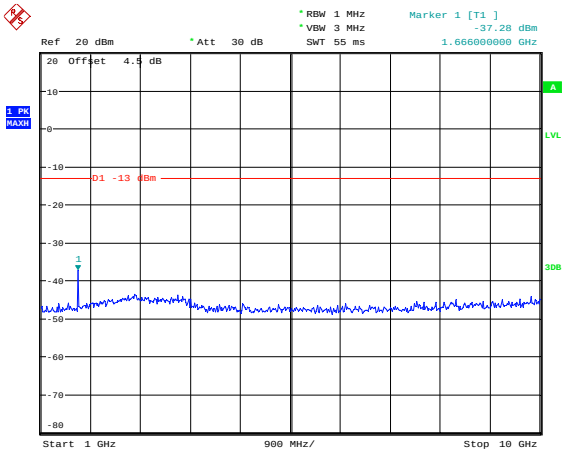


Date: 27.JAN.2021 20:21:04

3M, QPSK, Middle Channel

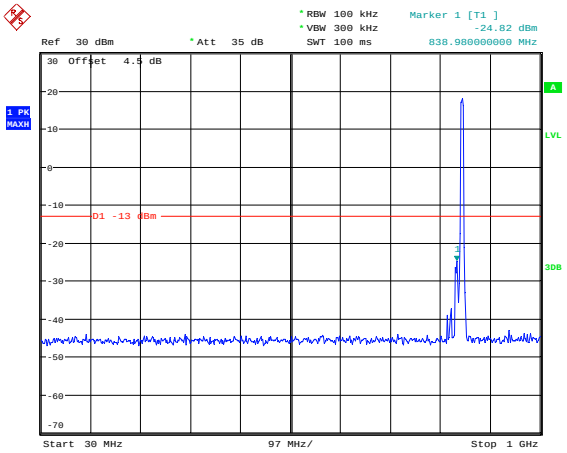


Date: 27.JAN.2021 20:21:24

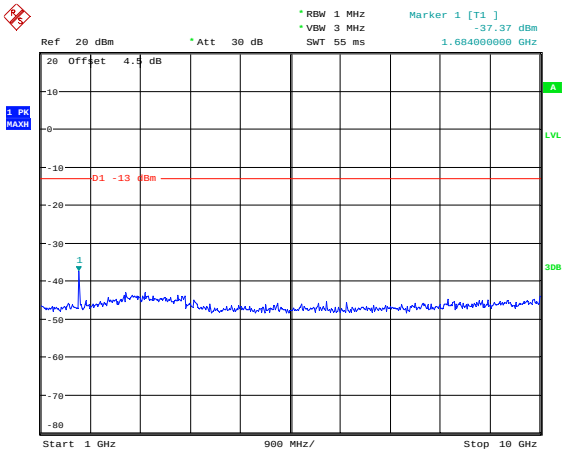


Date: 27.JAN.2021 20:21:37

3M, QPSK, High Channel

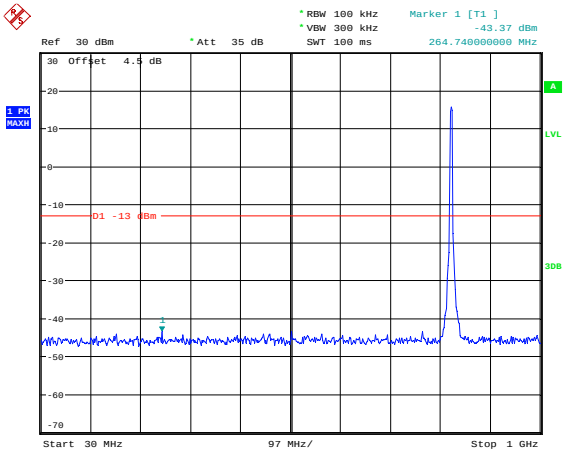


Date: 27.JAN.2021 20:21:58

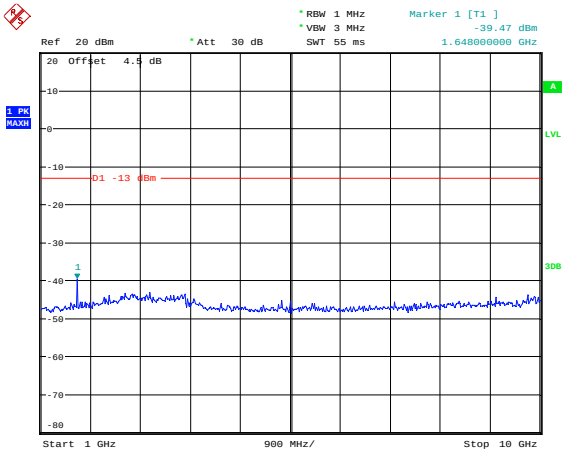


Date: 27.JAN.2021 20:22:14

5M, QPSK, Low Channel

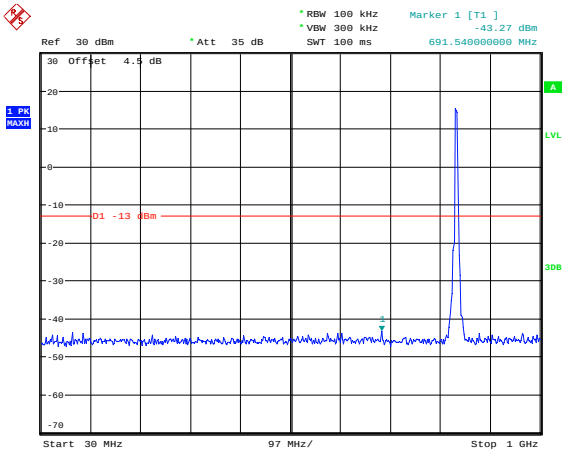


Date: 27.JAN.2021 20:22:33

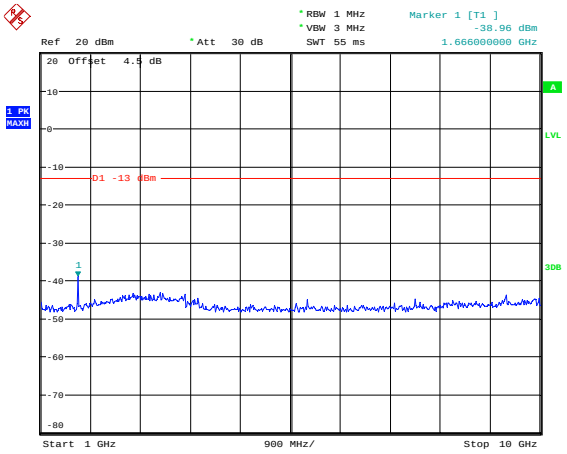


Date: 27.JAN.2021 20:22:50

5M, QPSK, Middle Channel

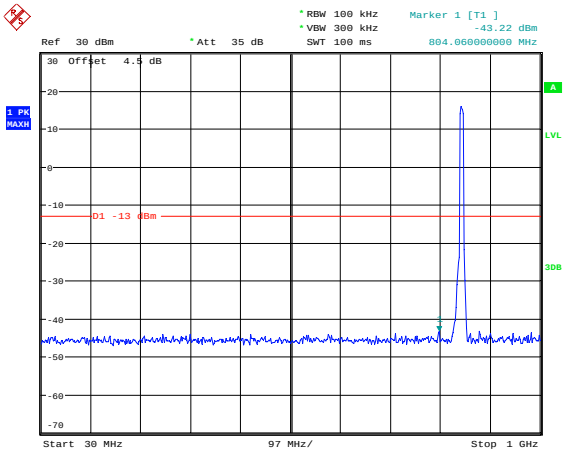


Date: 27.JAN.2021 20:23:07

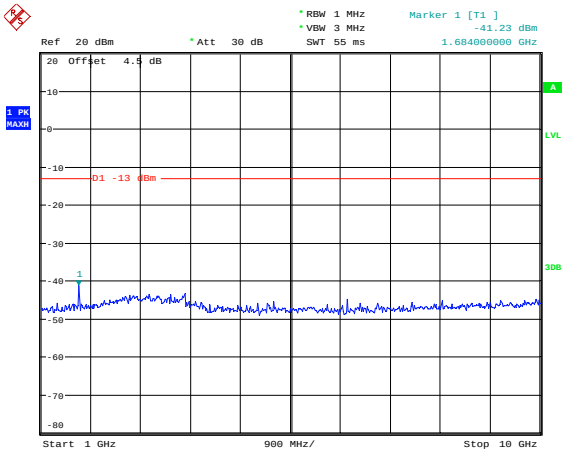


Date: 27.JAN.2021 20:23:23

5M, QPSK, High Channel

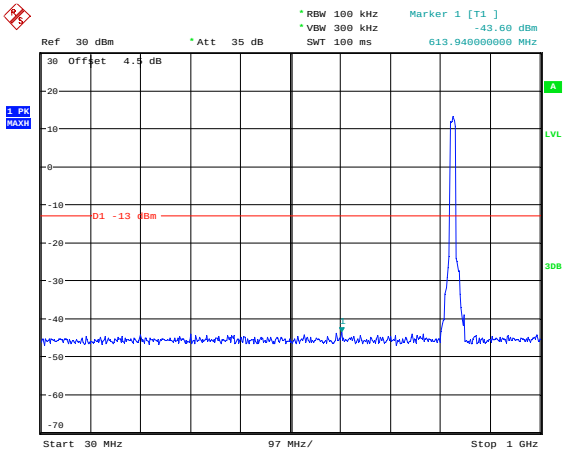


Date: 27.JAN.2021 20:23:44

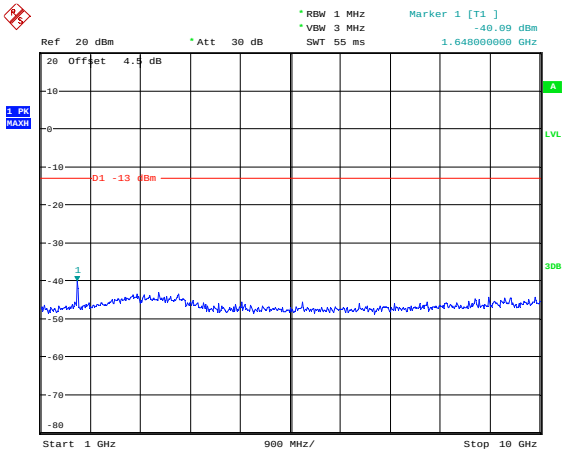


Date: 27.JAN.2021 20:23:57

10M, QPSK, Low Channel

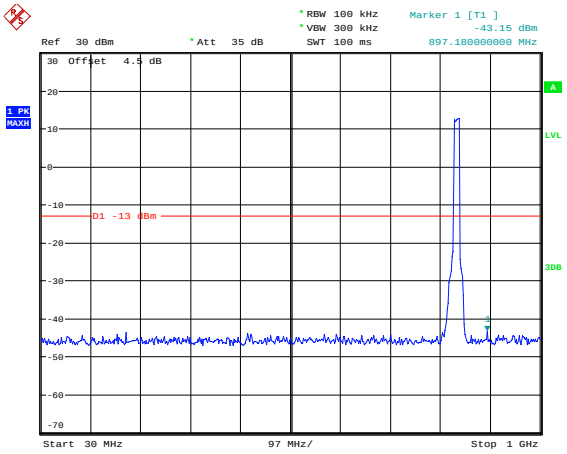


Date: 27.JAN.2021 20:24:19

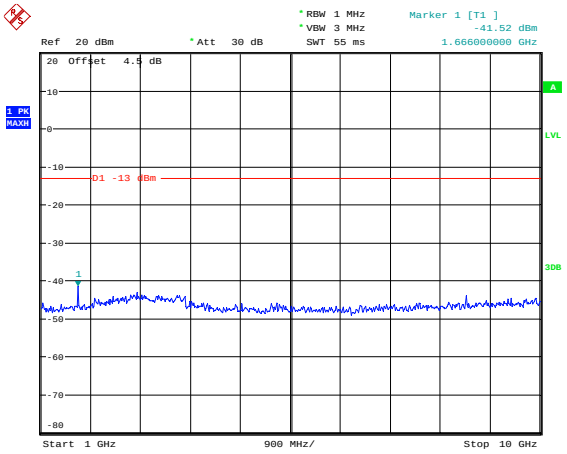


Date: 27.JAN.2021 20:24:32

10M, QPSK, Middle Channel

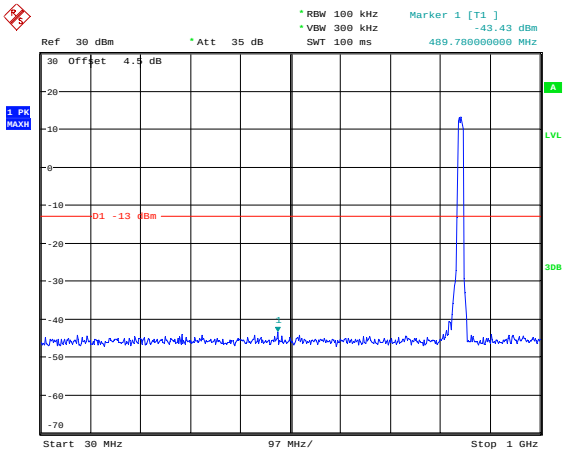


Date: 27.JAN.2021 20:24:49

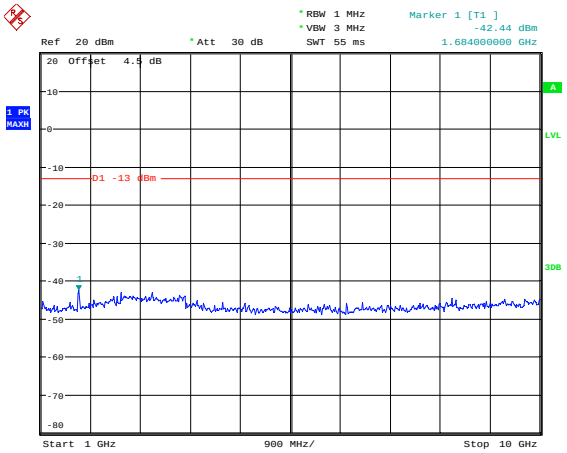


Date: 27.JAN.2021 20:25:01

10M, QPSK, High Channel



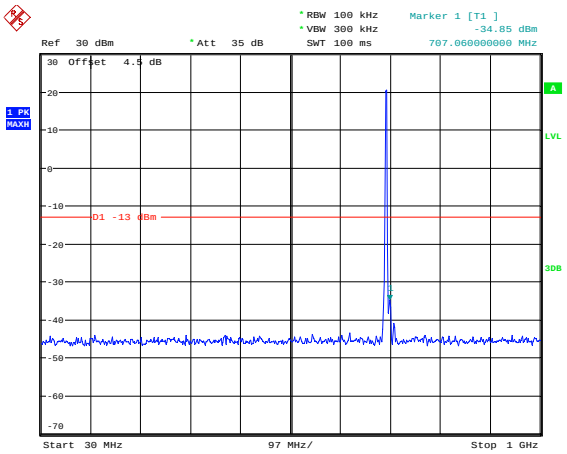
Date: 27.JAN.2021 20:25:18



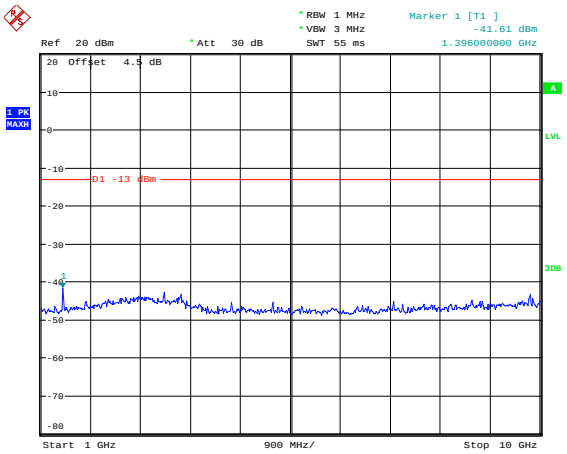
Date: 27.JAN.2021 20:25:31

LTE Band 12:

1.4M, QPSK, Low Channel

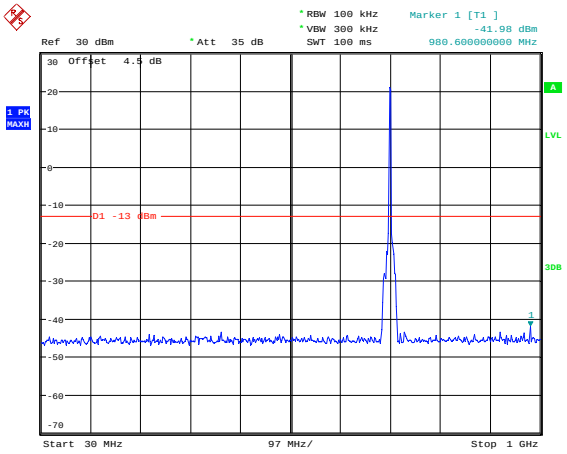


Date: 27.JAN.2021 20:25:54

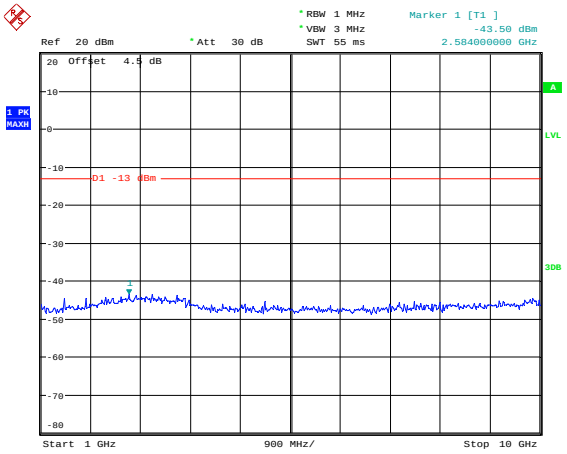


Date: 27.JAN.2021 20:26:06

1.4M, QPSK, Middle Channel

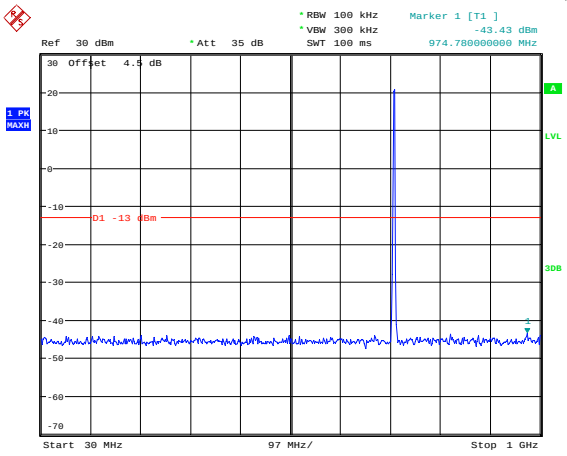


Date: 27.JAN.2021 20:26:27

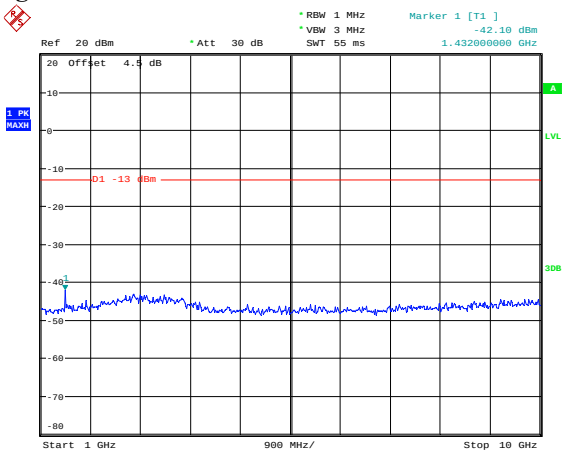


Date: 27.JAN.2021 20:26:40

1.4M, QPSK, High Channel

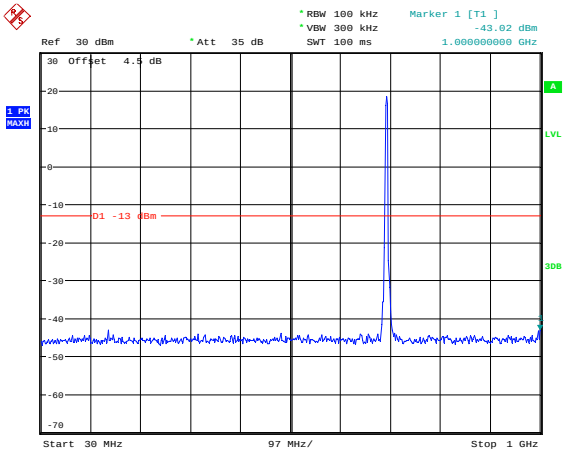


Date: 27.JAN.2021 20:27:00

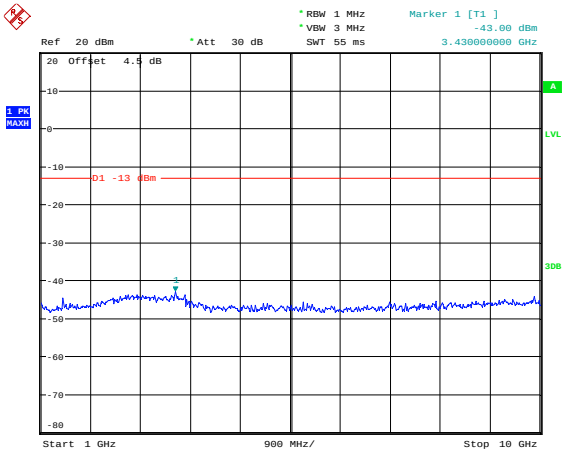


Date: 27.JAN.2021 20:27:17

3M, QPSK, Low Channel

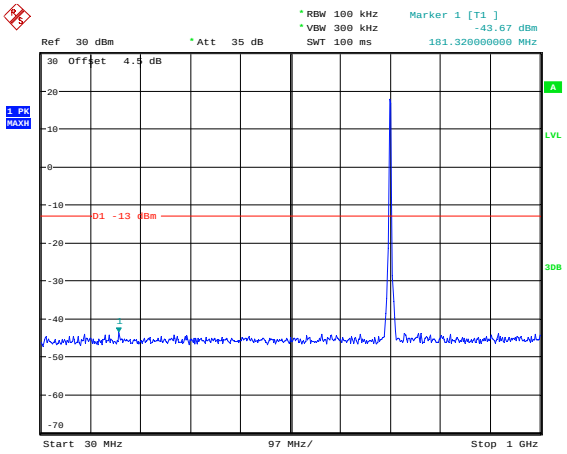


Date: 27.JAN.2021 20:27:40

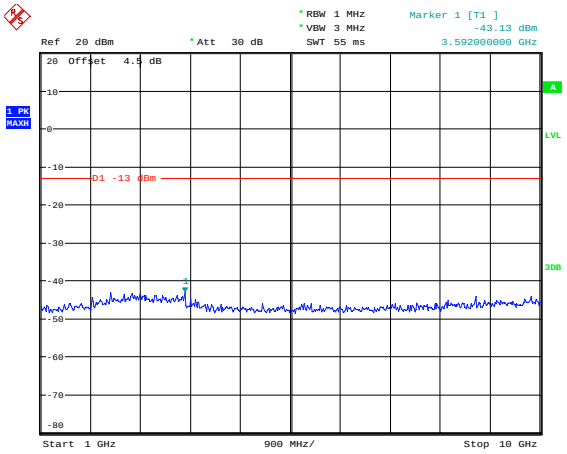


Date: 27.JAN.2021 20:27:56

3M, QPSK, Middle Channel

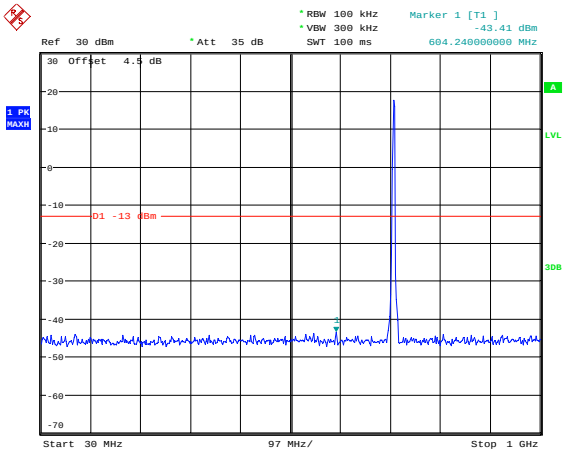


Date: 27.JAN.2021 20:28:17

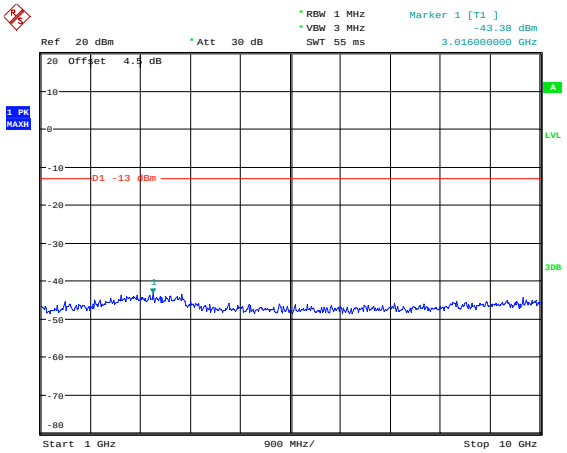


Date: 27.JAN.2021 20:28:29

3M, QPSK, High Channel

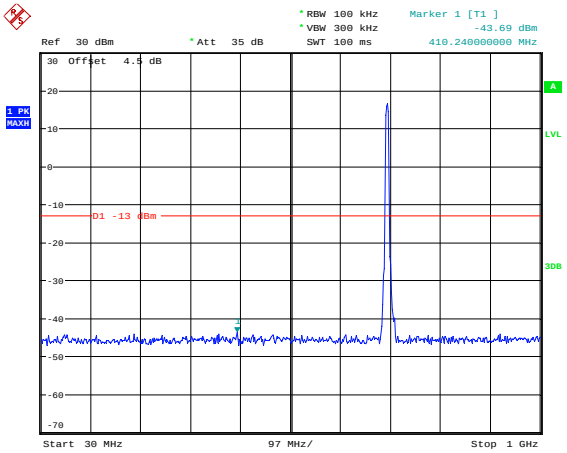


Date: 27.JAN.2021 20:28:46

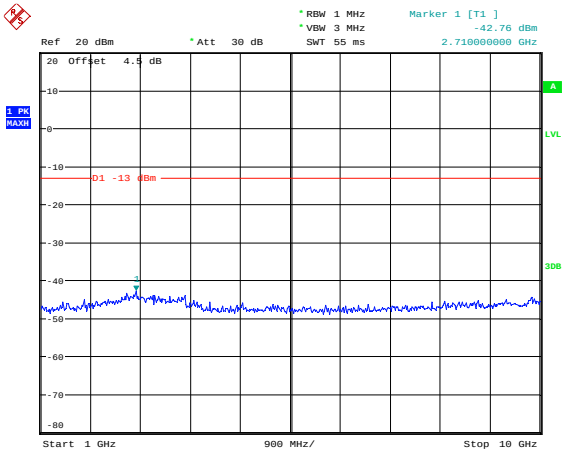


Date: 27.JAN.2021 20:28:59

5M, QPSK, Low Channel

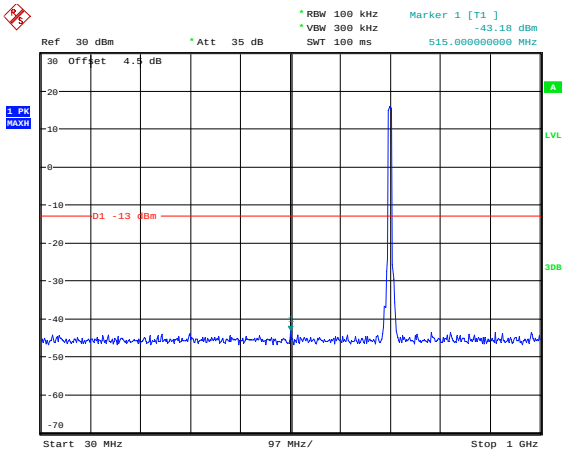


Date: 27.JAN.2021 20:29:23

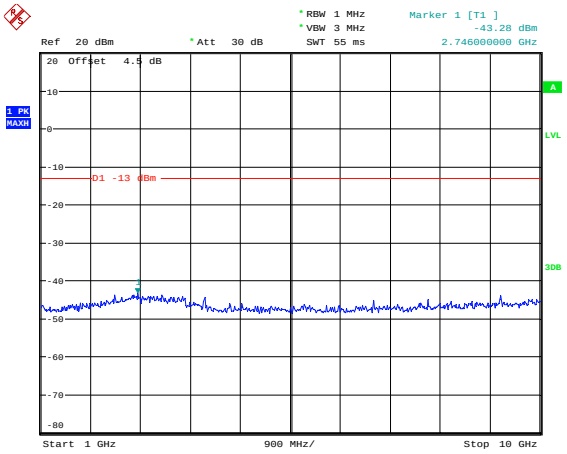


Date: 27.JAN.2021 20:29:36

5M, QPSK, Middle Channel

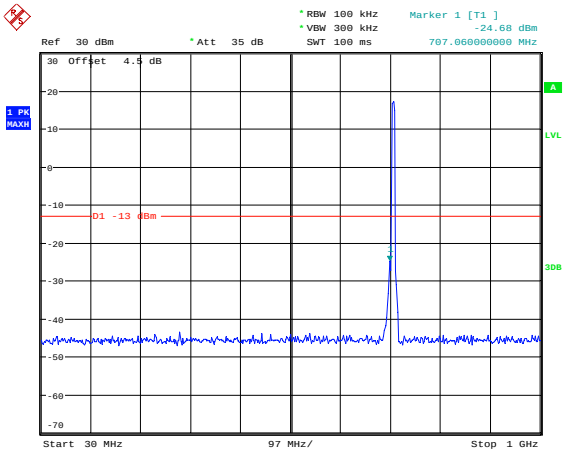


Date: 27.JAN.2021 20:29:56

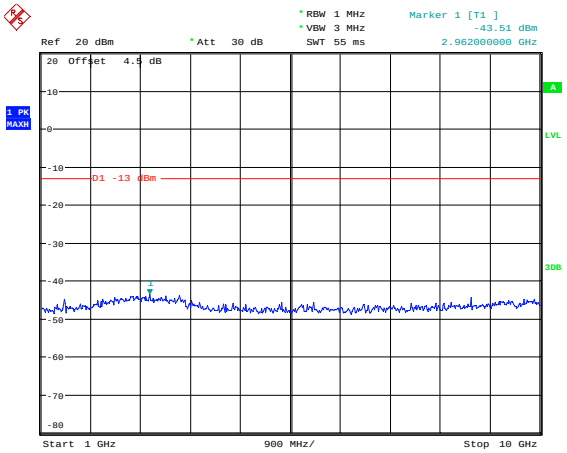


Date: 27.JAN.2021 20:30:09

5M, QPSK, High Channel

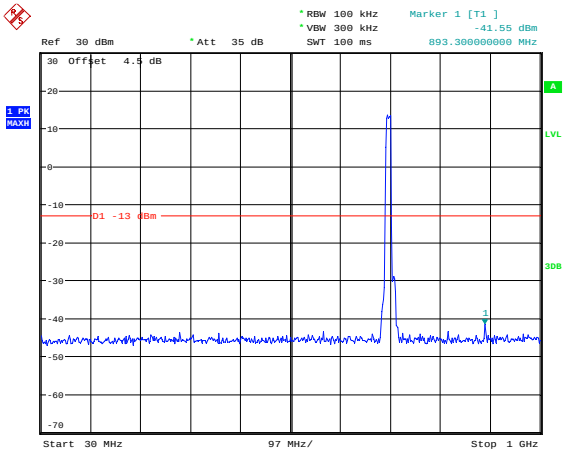


Date: 27.JAN.2021 20:30:30

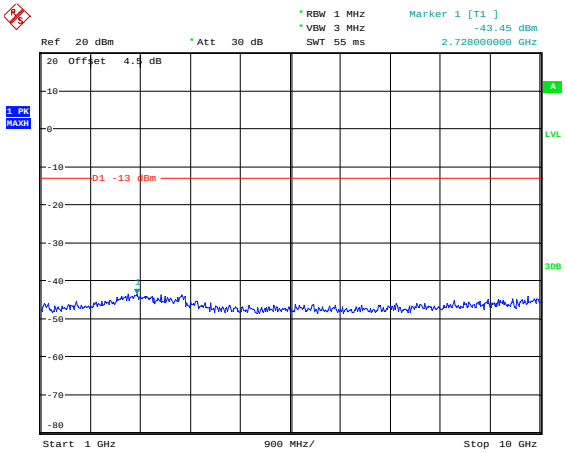


Date: 27.JAN.2021 20:30:43

10M, QPSK, Low Channel

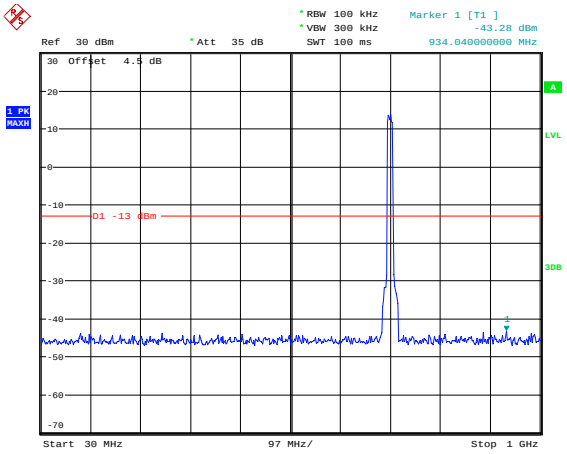


Date: 27.JAN.2021 20:31:07

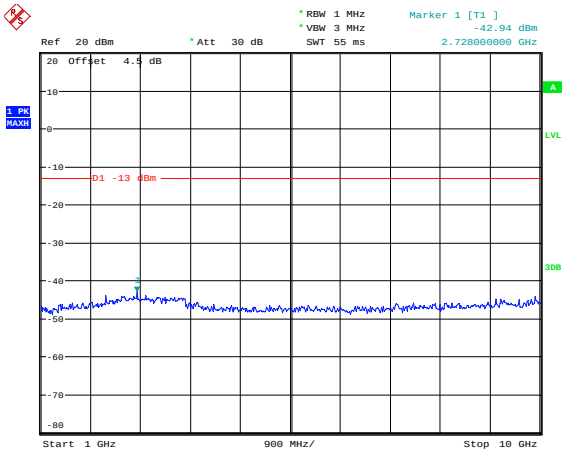


Date: 27.JAN.2021 20:31:19

10M, QPSK, Middle Channel

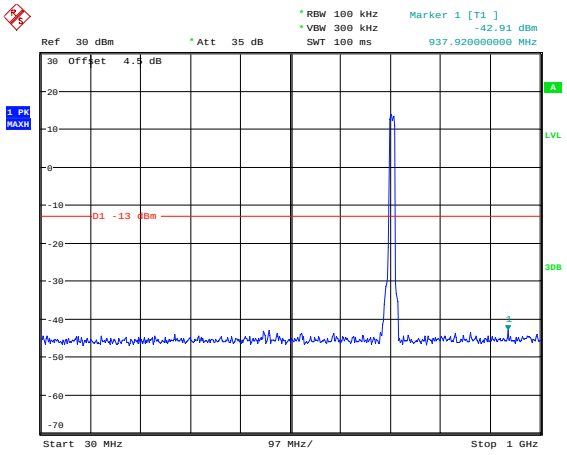


Date: 27.JAN.2021 20:31:36

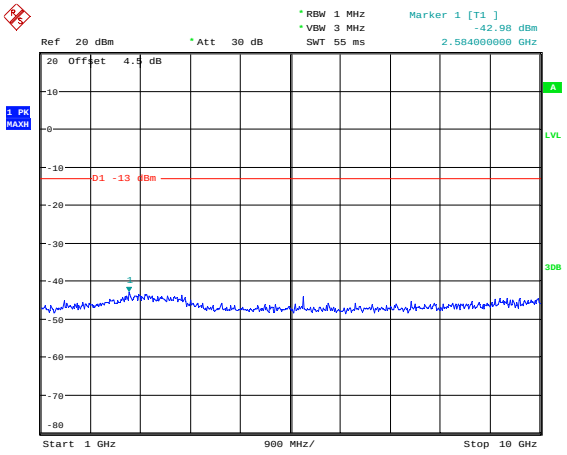


Date: 27.JAN.2021 20:31:49

10M, QPSK, High Channel



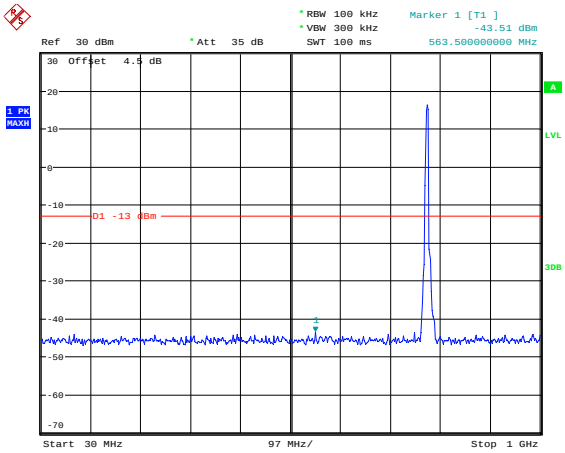
Date: 27.JAN.2021 20:32:10



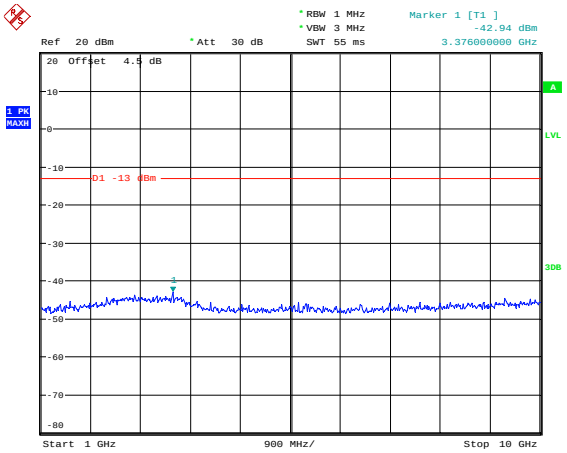
Date: 27.JAN.2021 20:32:26

LTE Band 13:

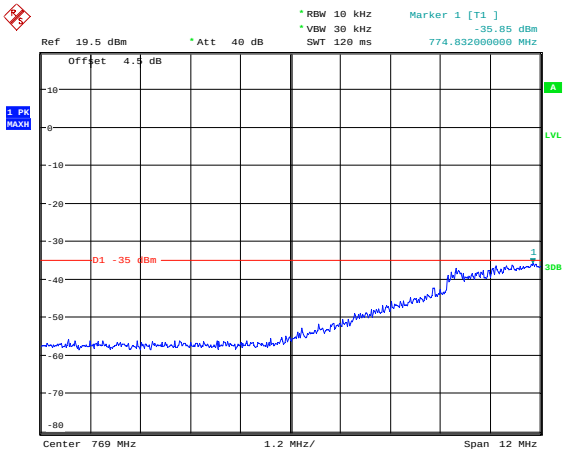
5M, QPSK, Low Channel



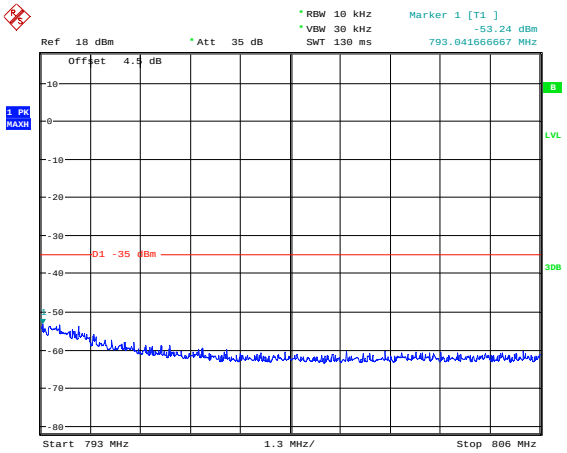
Date: 27.JAN.2021 20:32:50



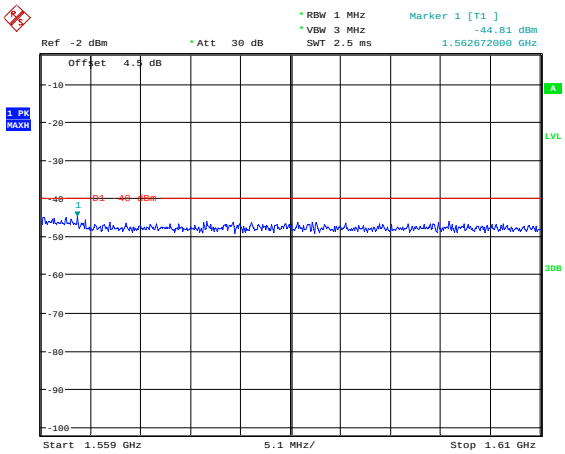
Date: 27.JAN.2021 20:33:03



Date: 29.JAN.2021 11:15:21

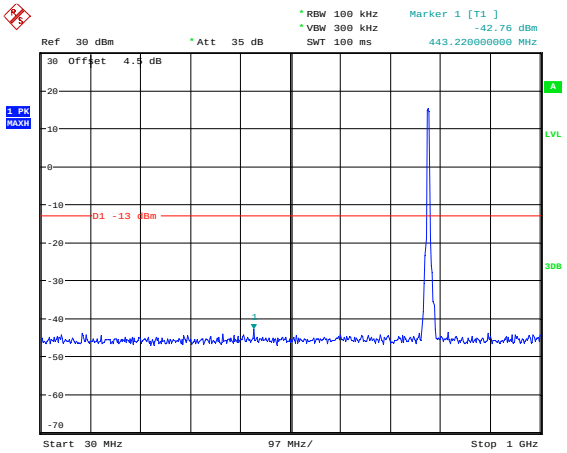


Date: 29.JAN.2021 11:18:07

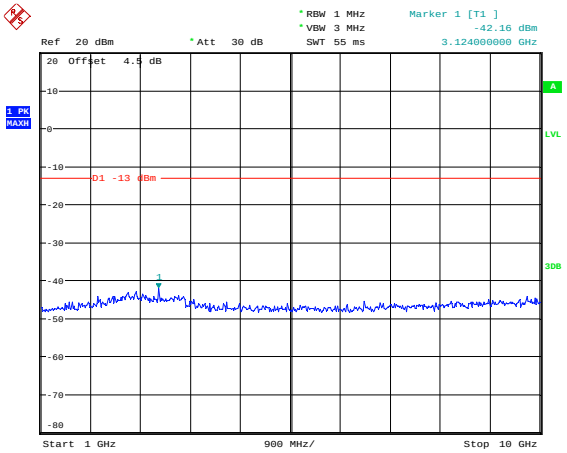


Date: 25.FEB.2021 15:12:56

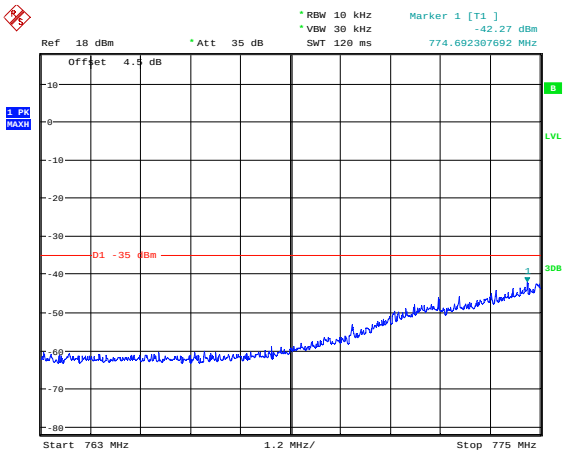
5M, QPSK, Middle Channel



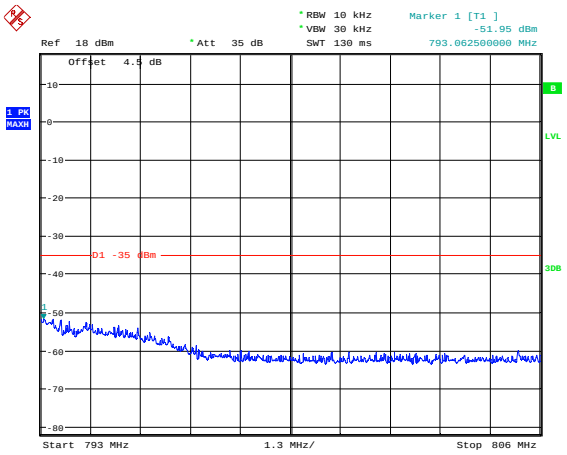
Date: 27.JAN.2021 20:33:24



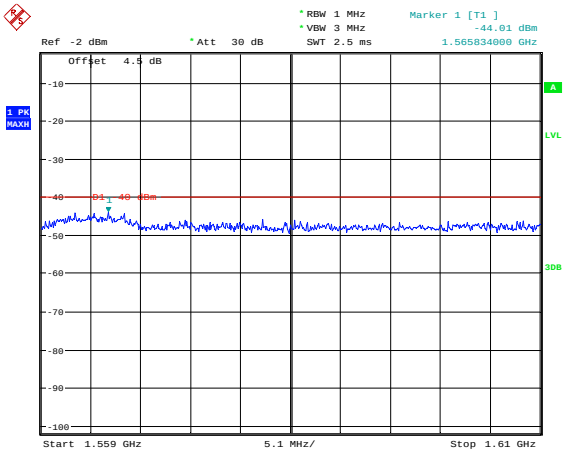
Date: 27.JAN.2021 20:33:40



Date: 29.JAN.2021 11:24:48

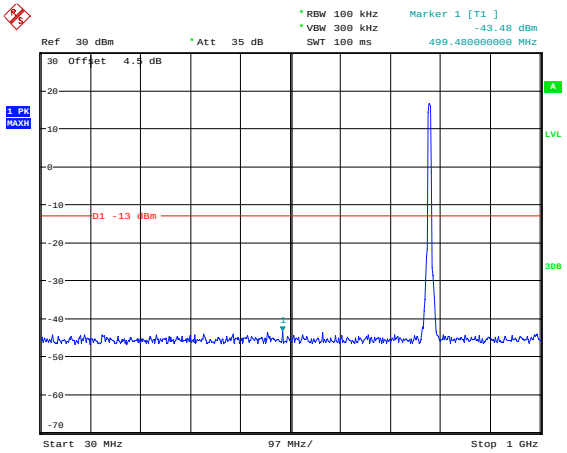


Date: 29.JAN.2021 11:22:13

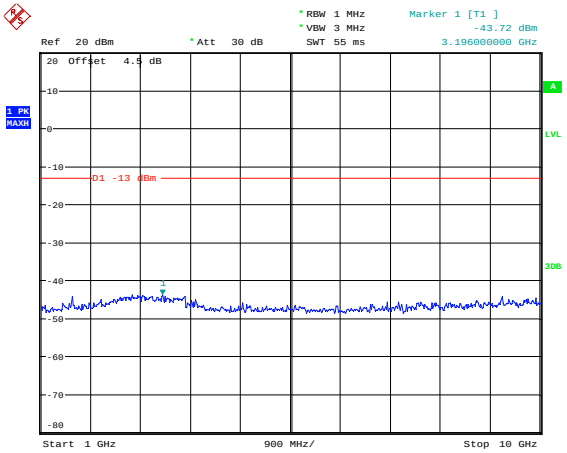


Date: 25.FEB.2021 15:12:27

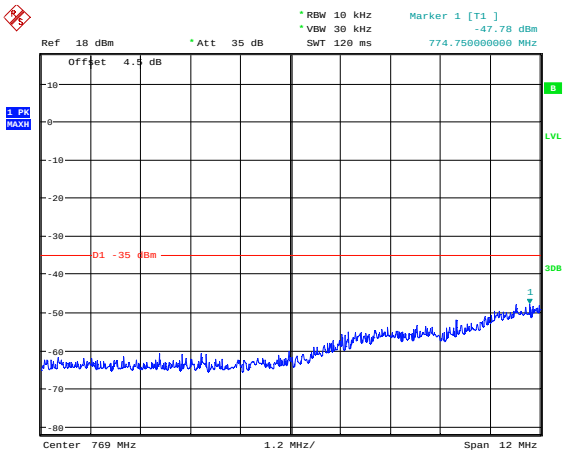
5M, QPSK, high Channel



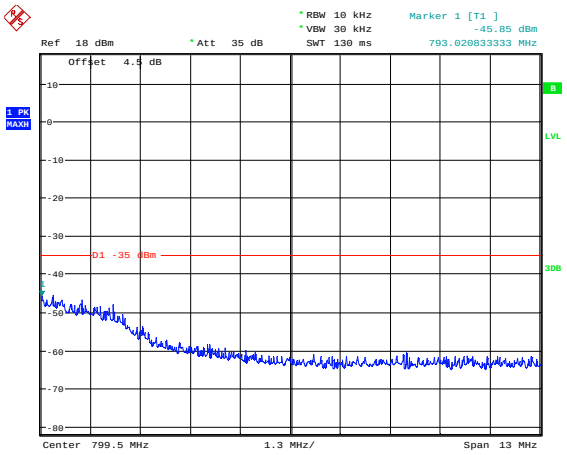
Date: 27.JAN.2021 20:34:01



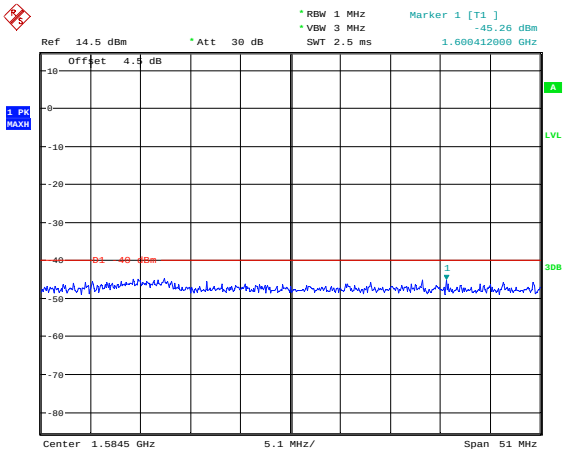
Date: 27.JAN.2021 20:34:14



Date: 29.JAN.2021 11:26:22

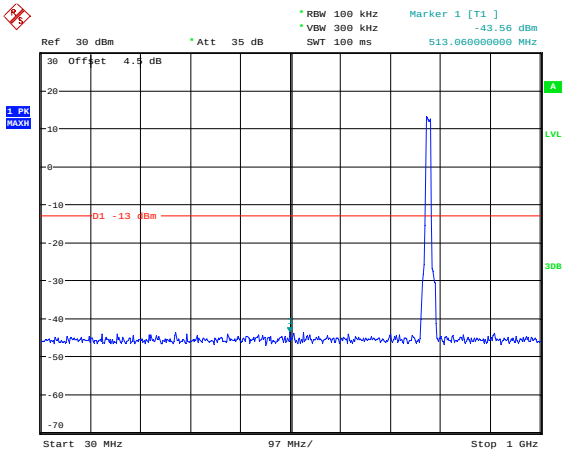


Date: 29.JAN.2021 11:27:32

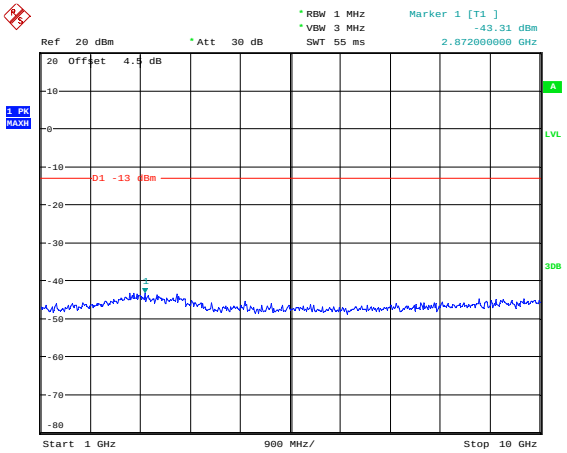


Date: 29.JAN.2021 11:35:46

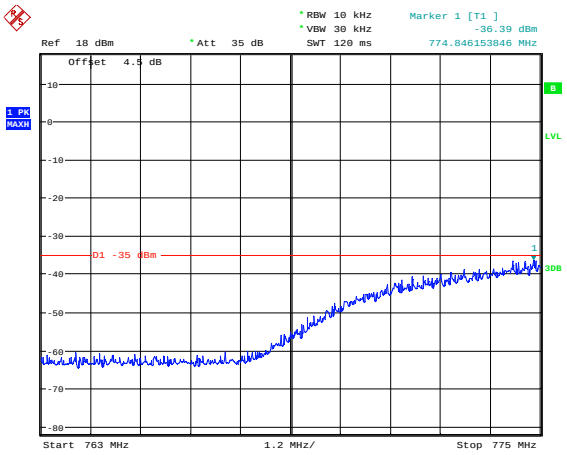
10M, QPSK, Middle Channel



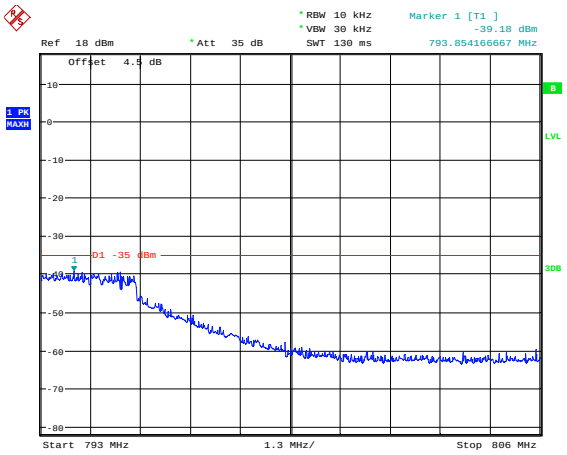
Date: 27.JAN.2021 20:34:37



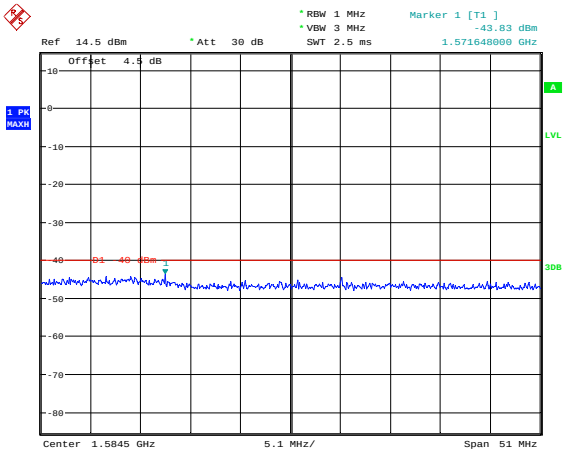
Date: 27.JAN.2021 20:34:50



Date: 29.JAN.2021 11:43:08



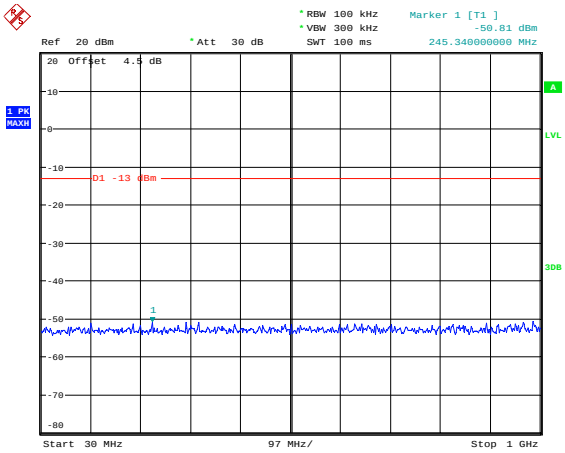
Date: 29.JAN.2021 11:41:19



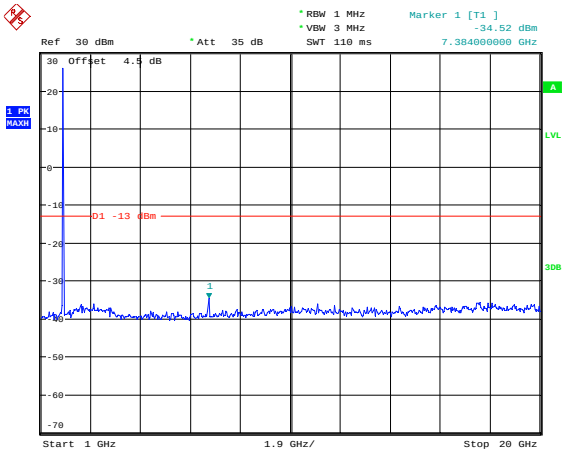
Date: 29.JAN.2021 11:40:00

LTE Band 25:

1.4M, QPSK, Low Channel

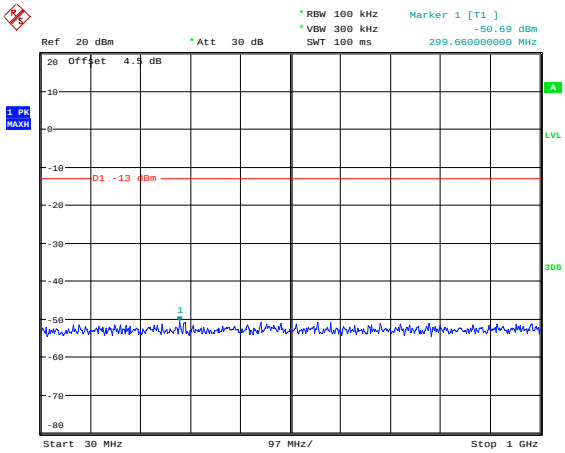


Date: 27.JAN.2021 20:35:10

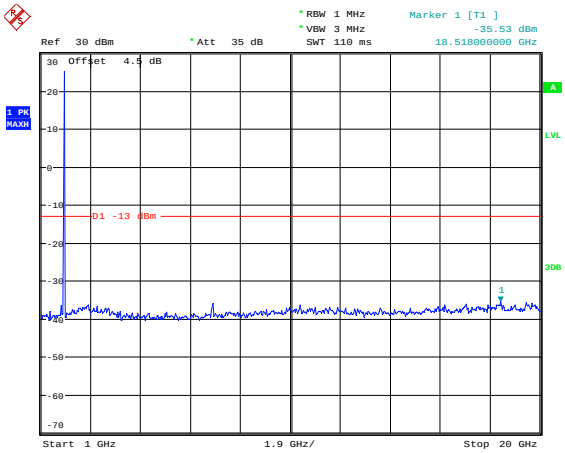


Date: 27.JAN.2021 20:35:23

1.4M, QPSK, Middle Channel

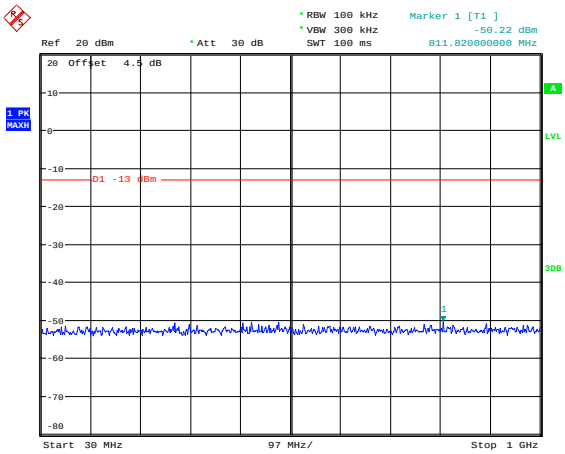


Date: 27.JAN.2021 20:35:39

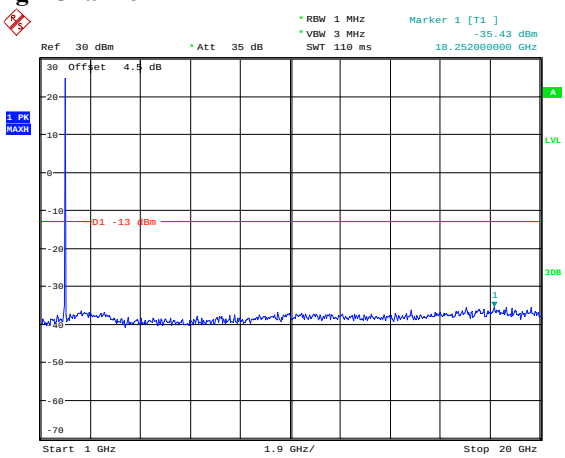


Date: 27.JAN.2021 20:35:52

1.4M, QPSK, High Channel

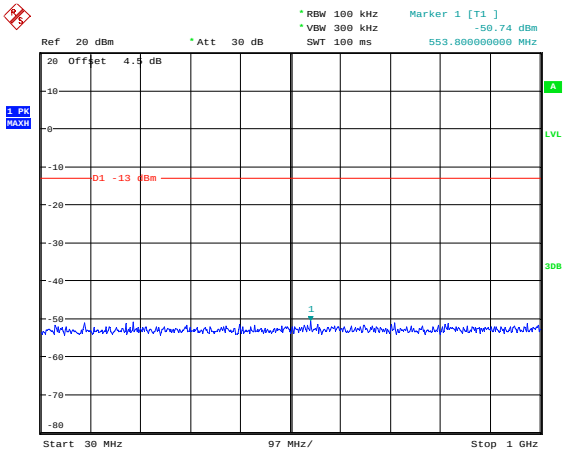


Date: 27.JAN.2021 20:36:13

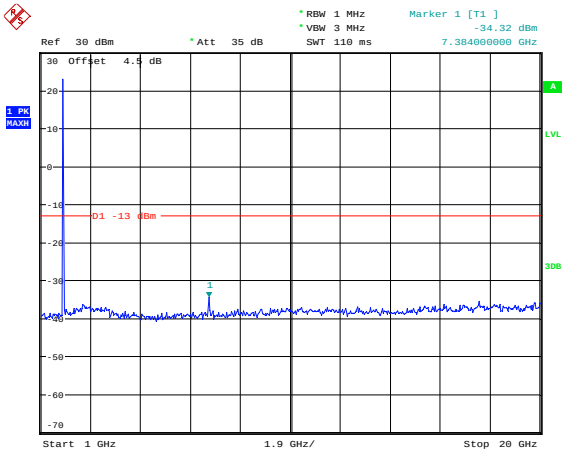


Date: 27.JAN.2021 20:36:25

3M, QPSK, Low Channel

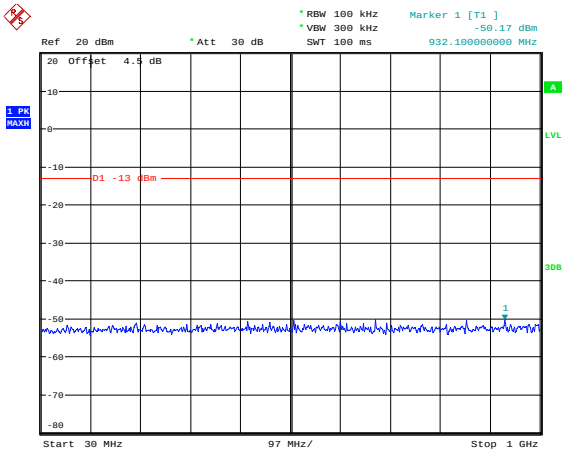


Date: 27.JAN.2021 20:36:46

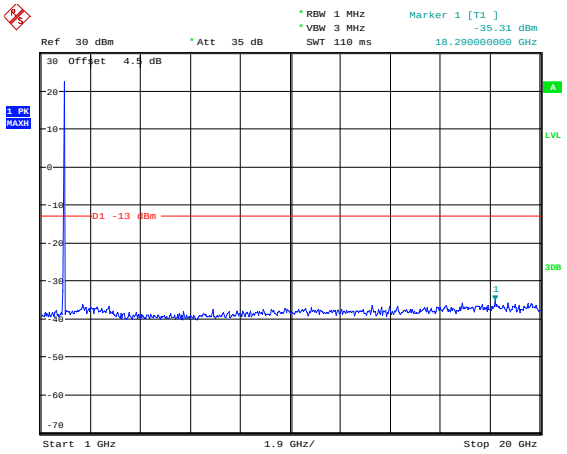


Date: 27.JAN.2021 20:36:59

3M, QPSK, Middle Channel

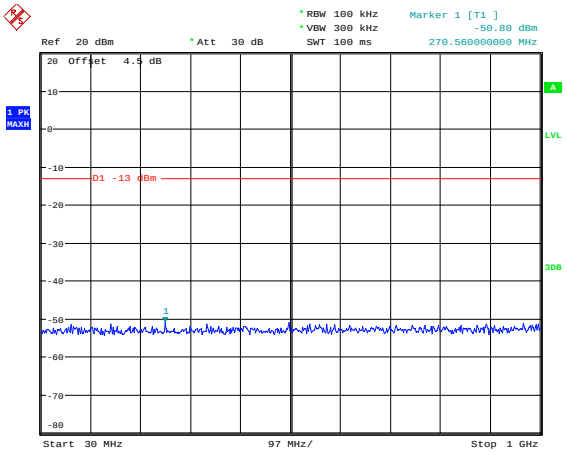


Date: 27.JAN.2021 20:37:19

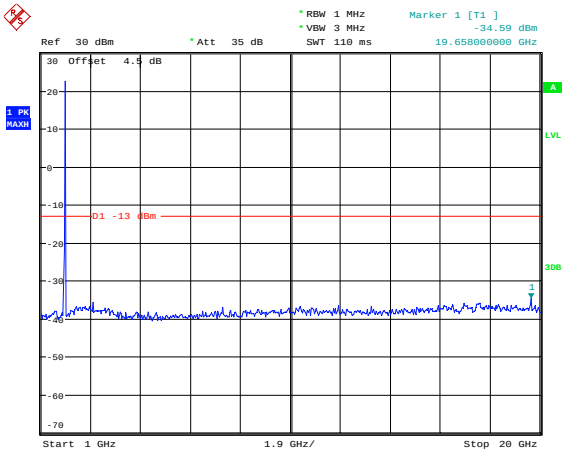


Date: 27.JAN.2021 20:37:32

3M, QPSK, High Channel

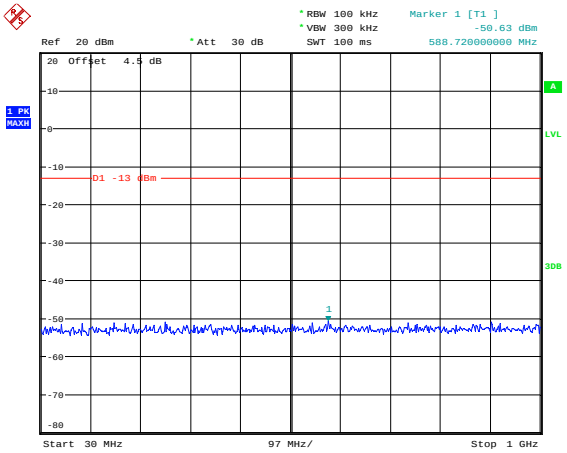


Date: 27.JAN.2021 20:37:49

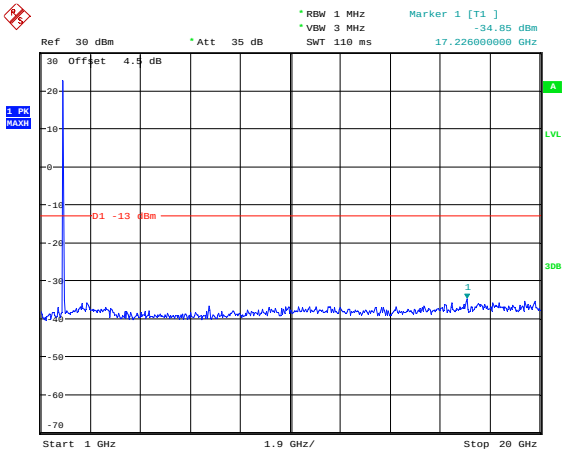


Date: 27.JAN.2021 20:38:02

5M, QPSK, Low Channel

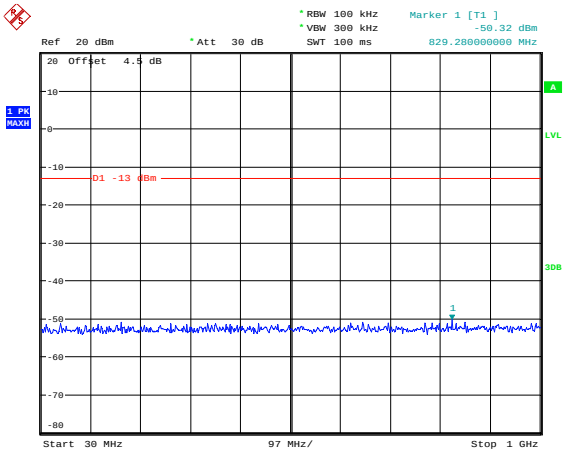


Date: 27.JAN.2021 20:38:22

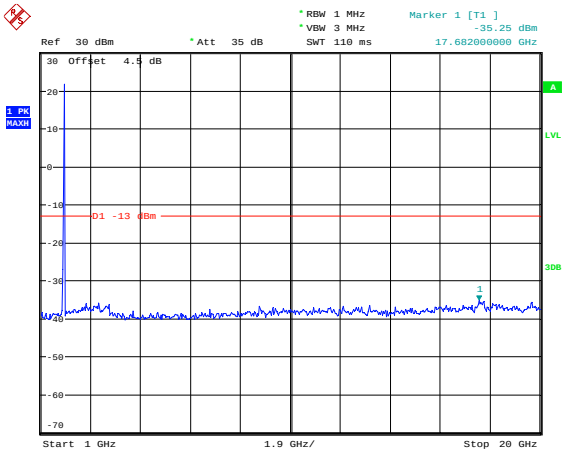


Date: 27.JAN.2021 20:38:35

5M, QPSK, Middle Channel

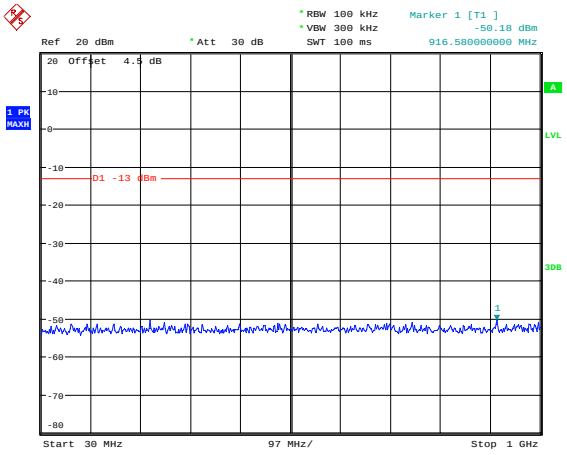


Date: 27.JAN.2021 20:38:55

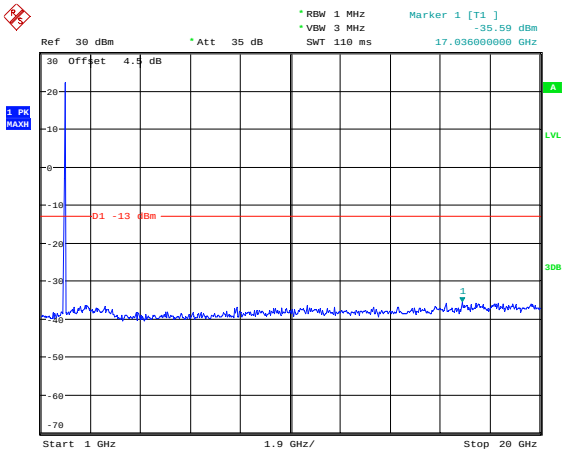


Date: 27.JAN.2021 20:39:08

5M, QPSK, High Channel

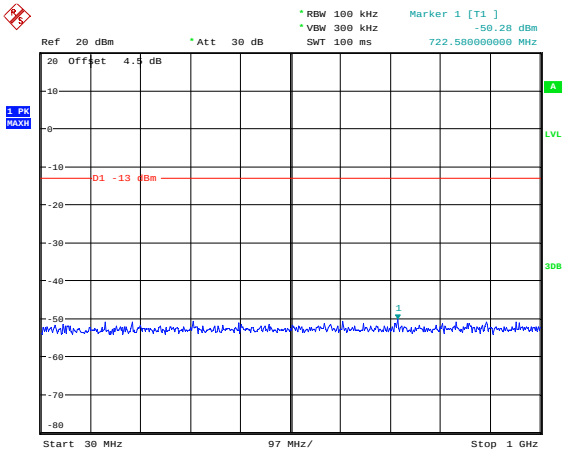


Date: 27.JAN.2021 20:39:29

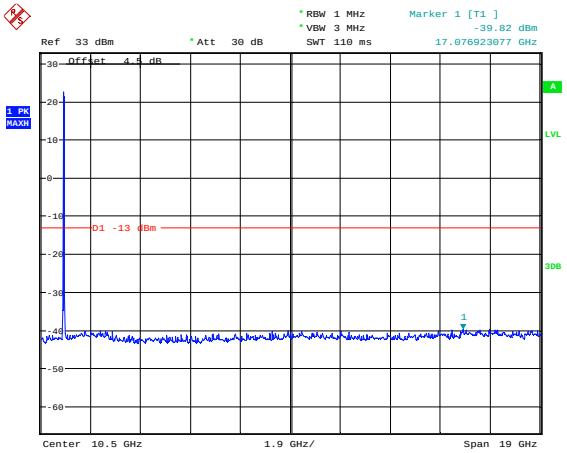


Date: 27.JAN.2021 20:39:42

10M, QPSK, Low Channel

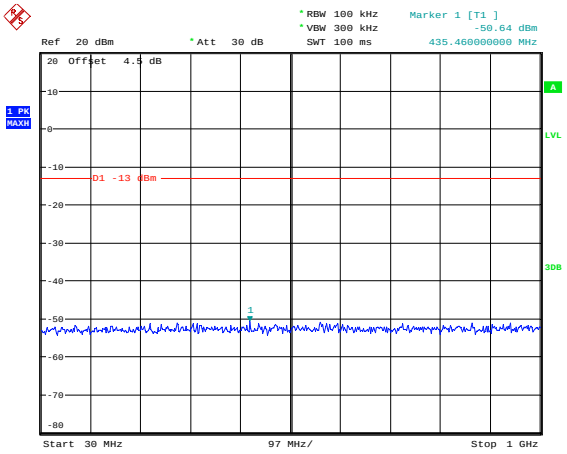


Date: 27.JAN.2021 20:40:06

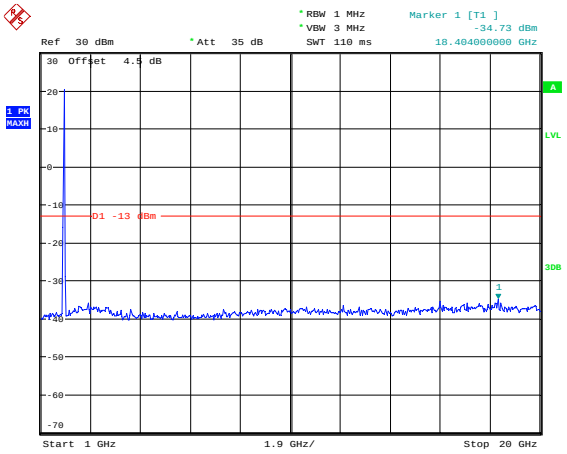


Date: 30.MAR.2021 16:03:06

10M, QPSK, Middle Channel

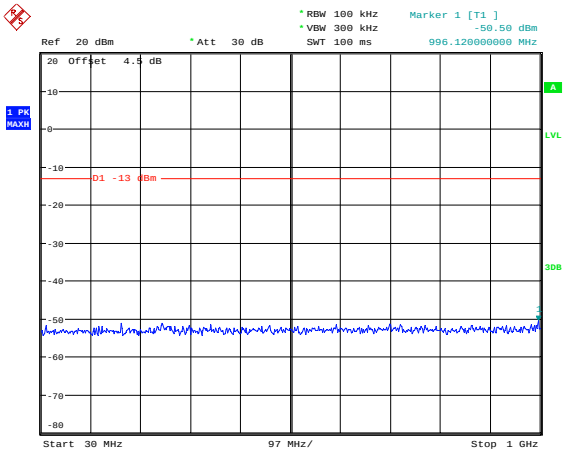


Date: 27.JAN.2021 21:48:54

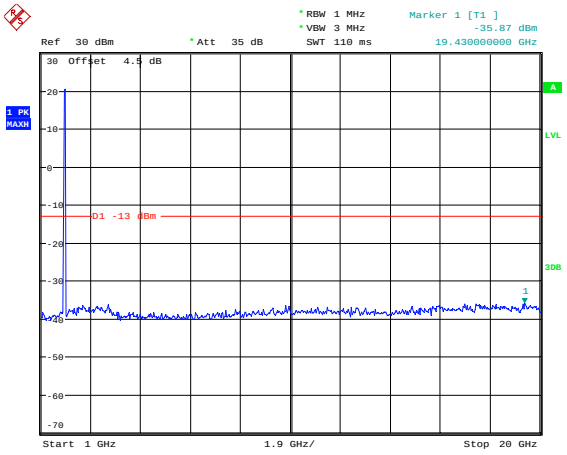


Date: 27.JAN.2021 21:49:07

10M, QPSK, High Channel

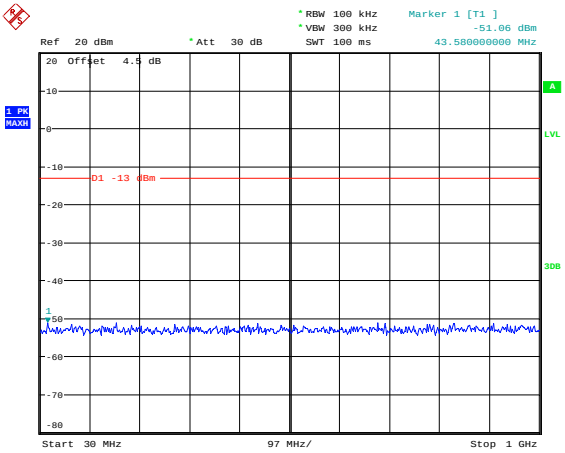


Date: 27.JAN.2021 21:49:26

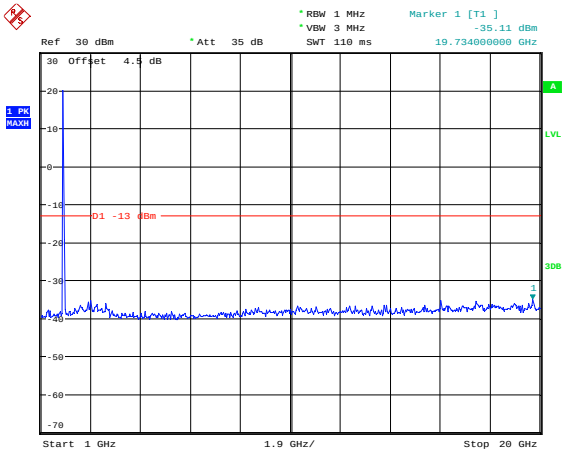


Date: 27.JAN.2021 21:49:38

15M, QPSK, Low Channel

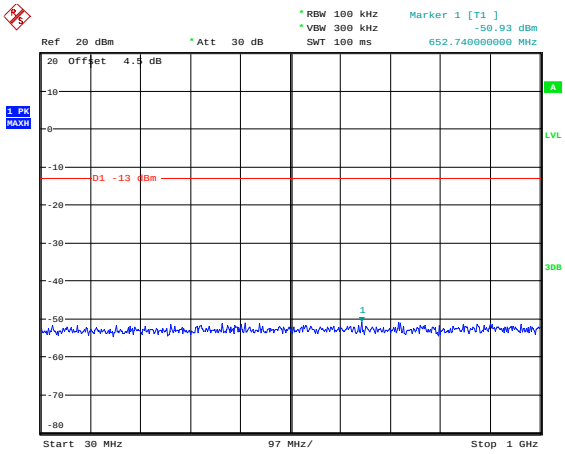


Date: 27.JAN.2021 21:50:04

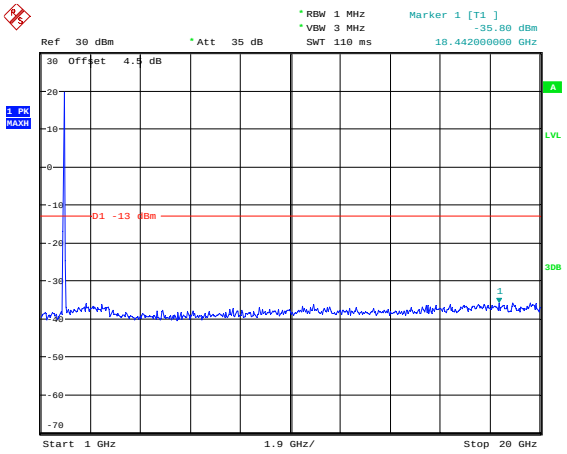


Date: 27.JAN.2021 21:50:17

15M, QPSK, Middle Channel

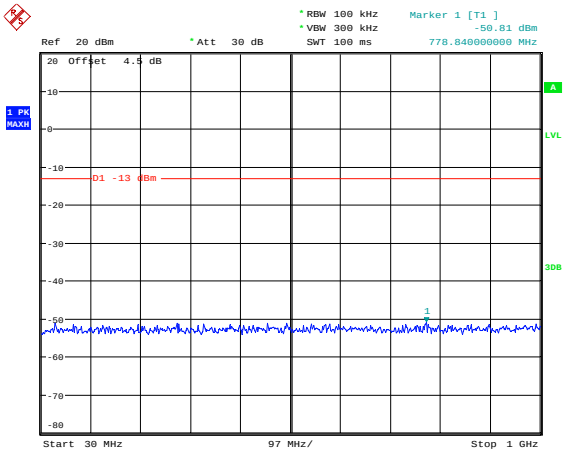


Date: 27.JAN.2021 21:50:40

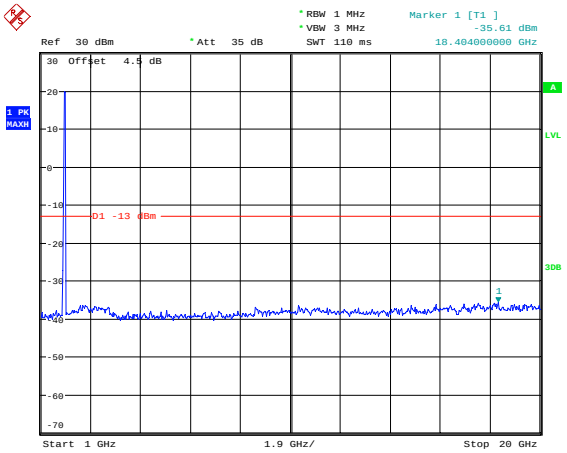


Date: 27.JAN.2021 21:50:52

15M, QPSK, High Channel

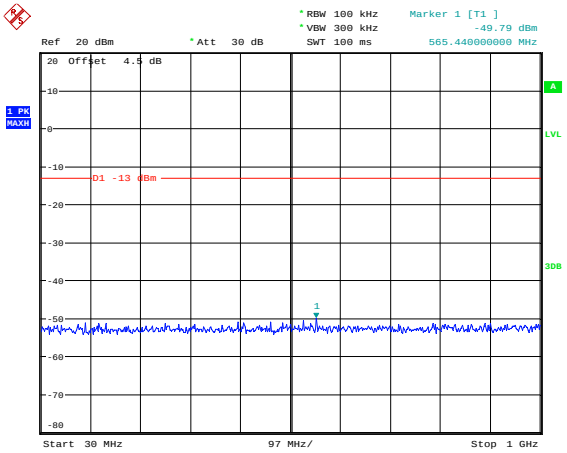


Date: 27.JAN.2021 21:51:18

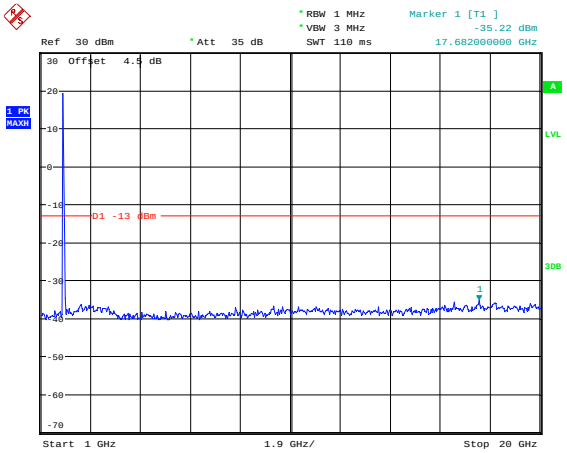


Date: 27.JAN.2021 21:51:31

20M, QPSK, Low Channel

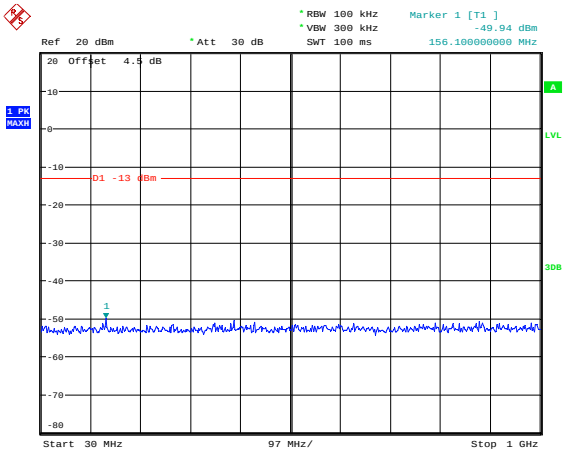


Date: 27.JAN.2021 21:52:02

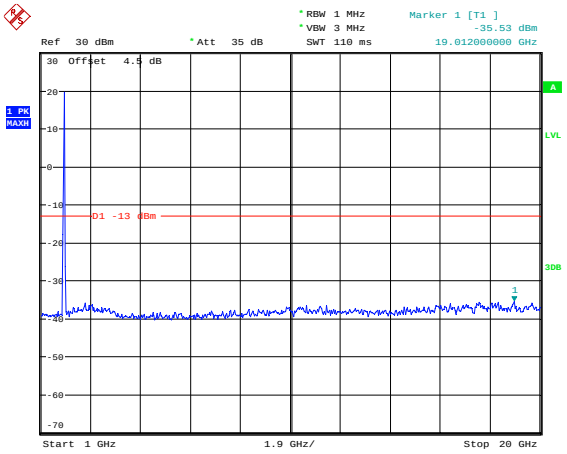


Date: 27.JAN.2021 21:52:15

20M, QPSK, Middle Channel

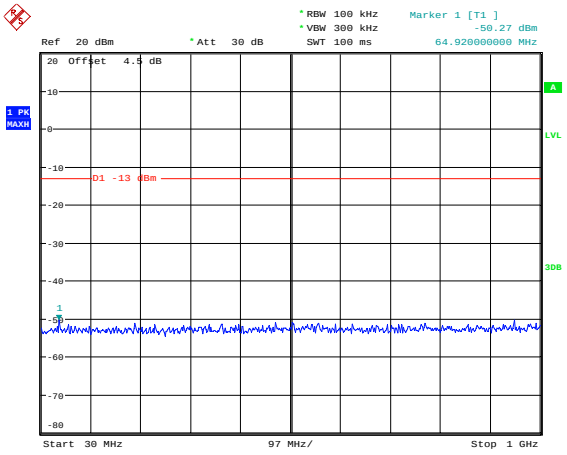


Date: 27.JAN.2021 21:52:42

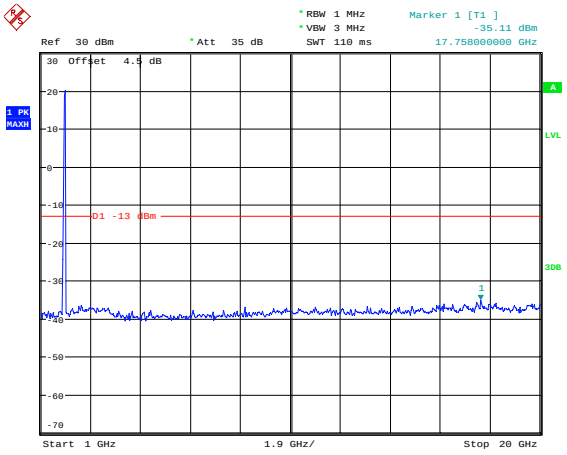


Date: 27.JAN.2021 21:52:56

20M, QPSK, High Channel



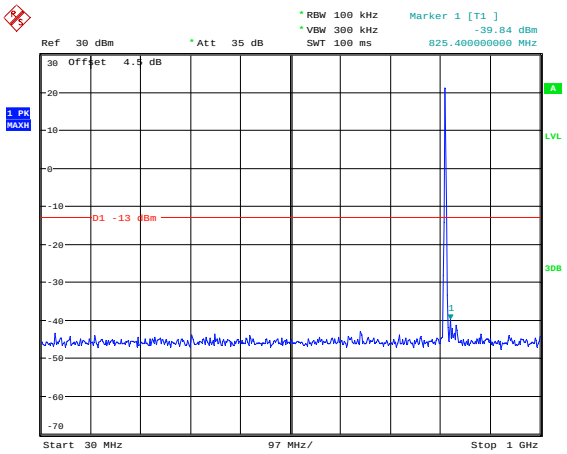
Date: 27.JAN.2021 21:53:23



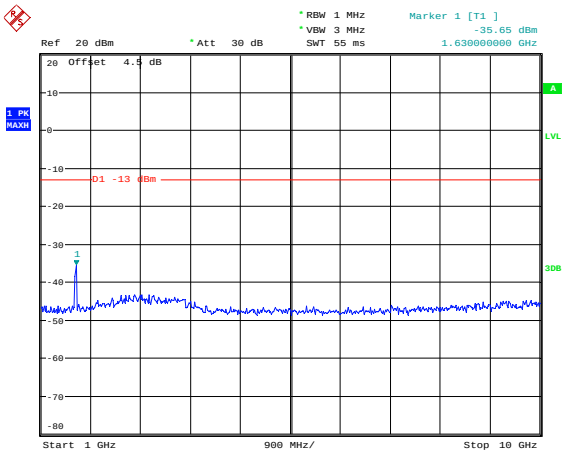
Date: 27.JAN.2021 21:53:36

LTE Band 26:

1.4M, QPSK, Low Channel

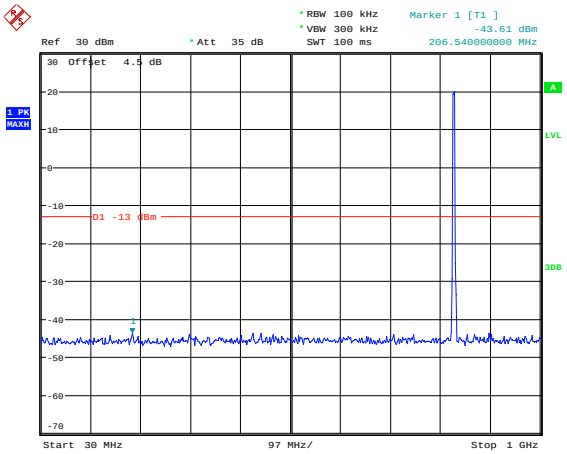


Date: 27.JAN.2021 21:53:58

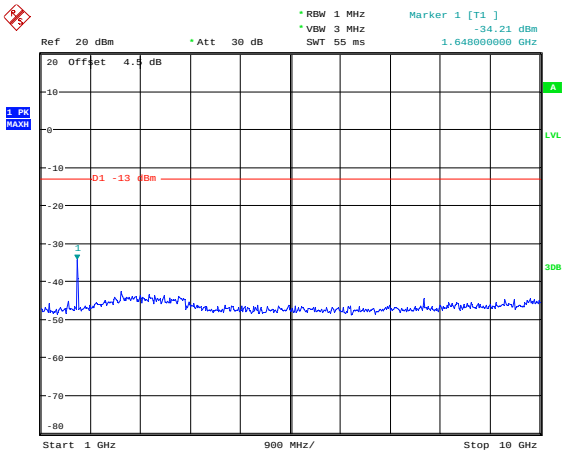


Date: 27.JAN.2021 21:54:11

1.4M, QPSK, Middle Channel

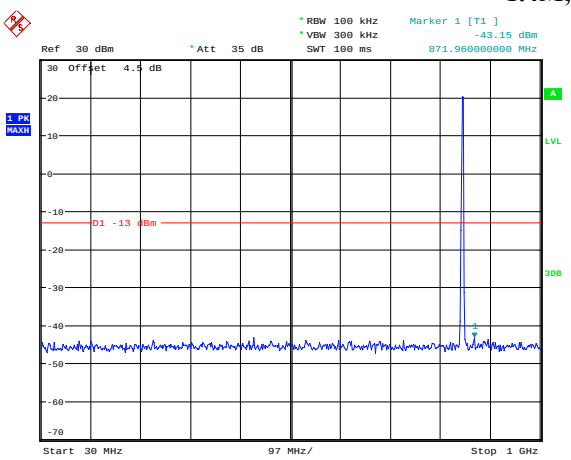


Date: 27.JAN.2021 21:54:33

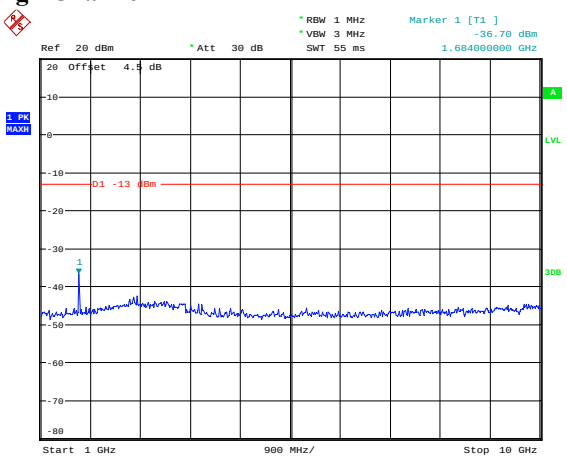


Date: 27.JAN.2021 21:54:46

1.4M, QPSK, High Channel

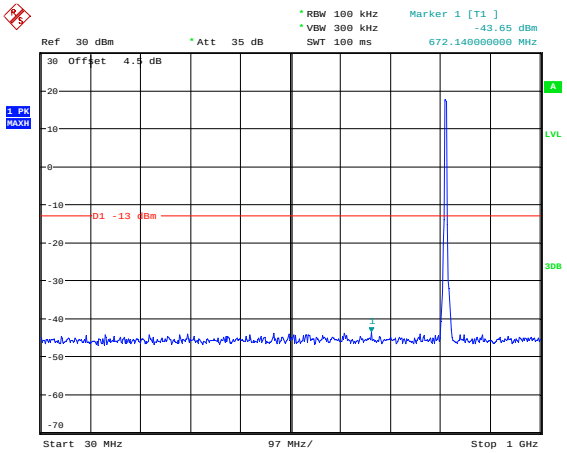


Date: 27.JAN.2021 21:55:09

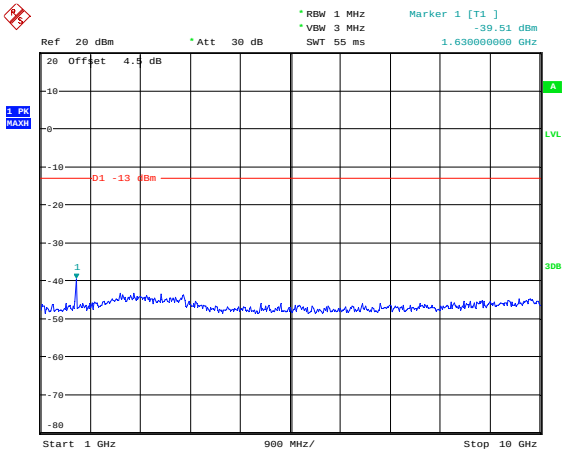


Date: 27.JAN.2021 21:55:26

3M, QPSK, Low Channel

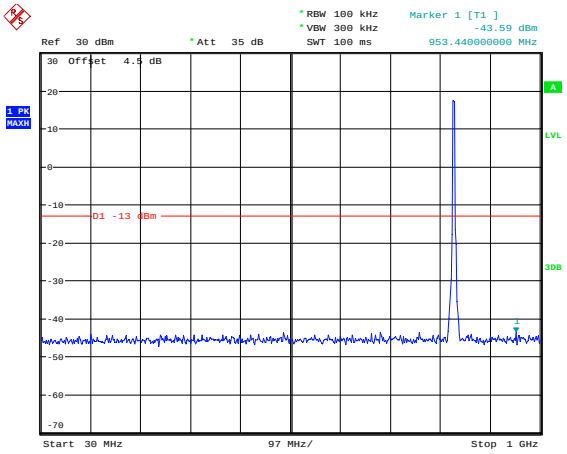


Date: 27.JAN.2021 21:55:52

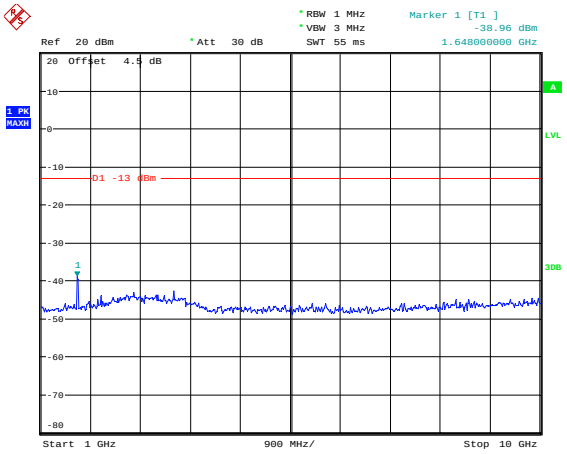


Date: 27.JAN.2021 21:56:04

3M, QPSK, Middle Channel

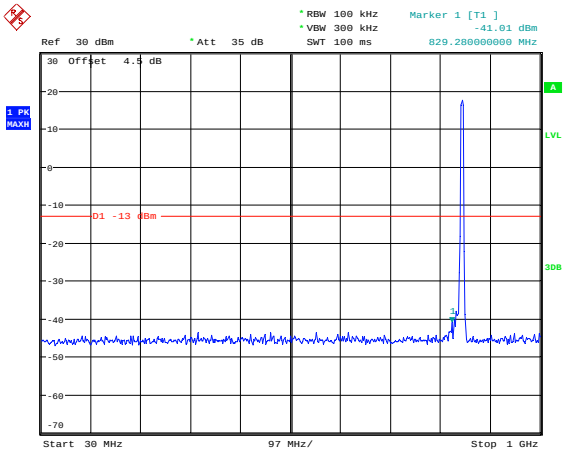


Date: 27.JAN.2021 21:56:27

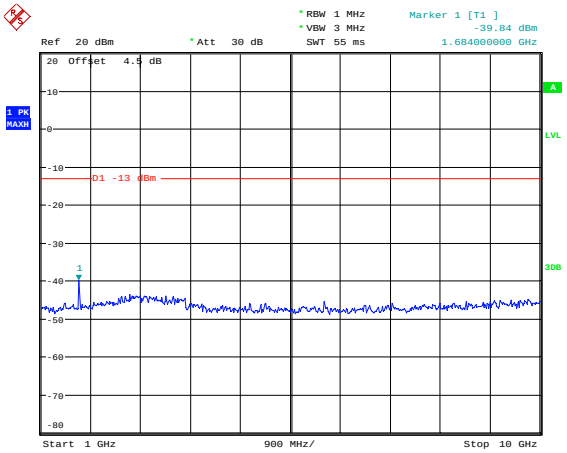


Date: 27.JAN.2021 21:56:40

3M, QPSK, High Channel

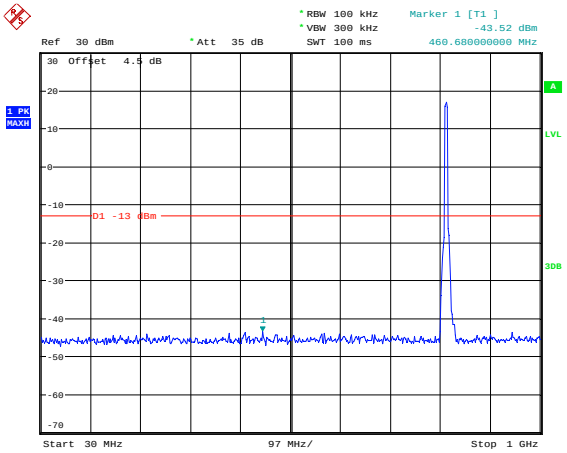


Date: 27.JAN.2021 21:57:03

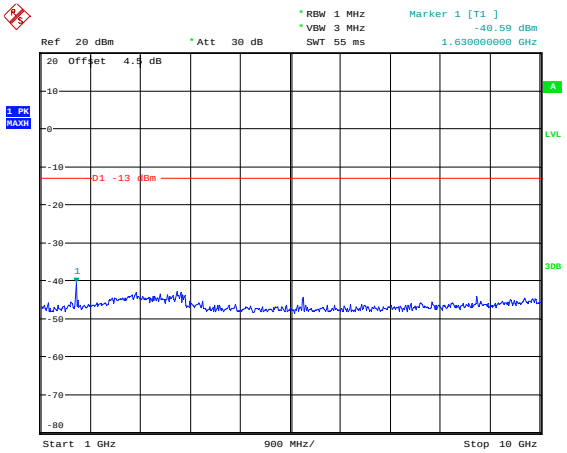


Date: 27.JAN.2021 21:57:15

5M, QPSK, Low Channel

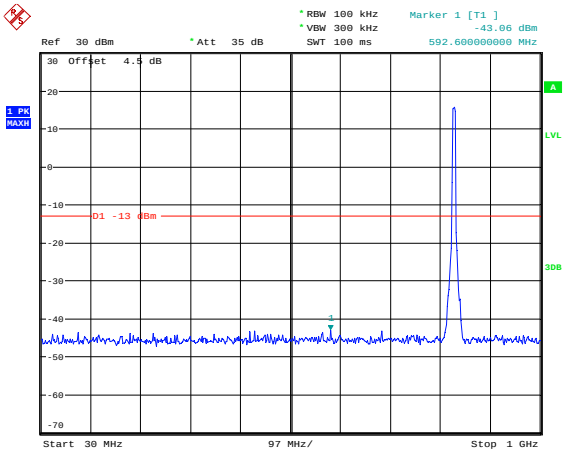


Date: 27.JAN.2021 21:57:41

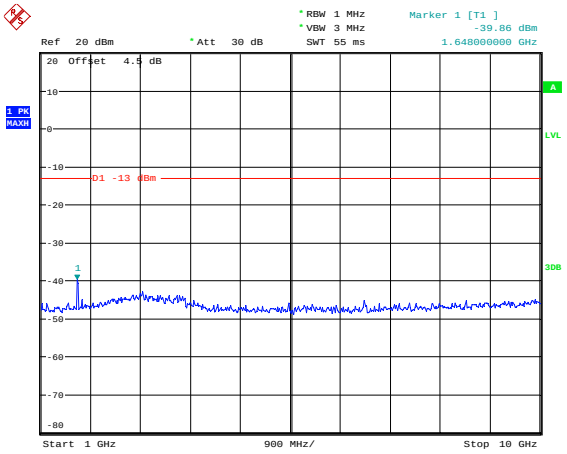


Date: 27.JAN.2021 21:57:58

5M, QPSK, Middle Channel

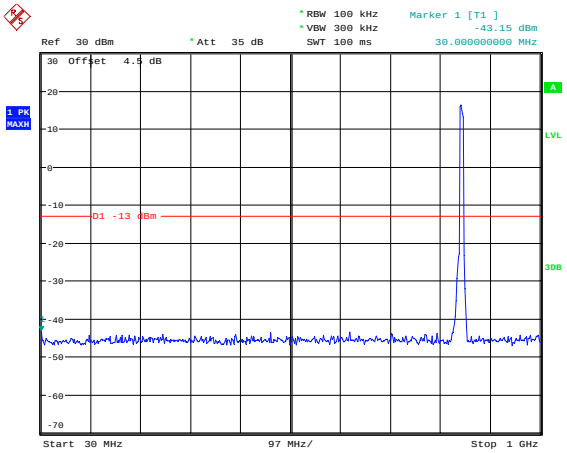


Date: 27.JAN.2021 21:58:21

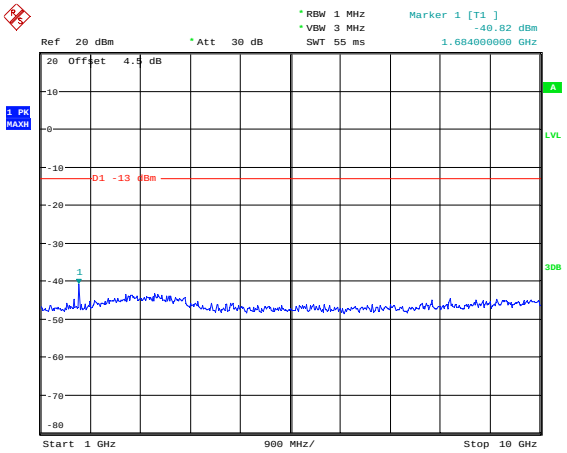


Date: 27.JAN.2021 21:58:34

5M, QPSK, High Channel

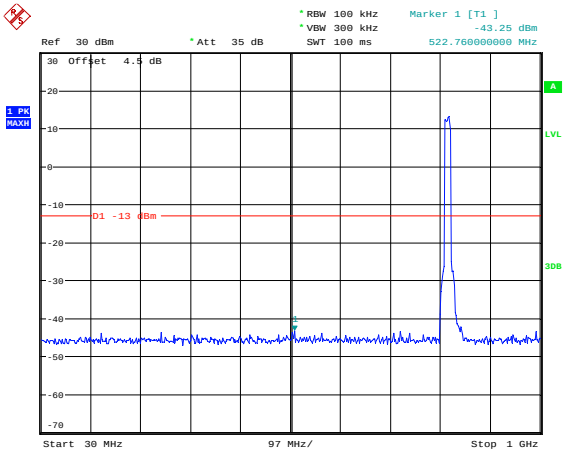


Date: 27.JAN.2021 21:58:56

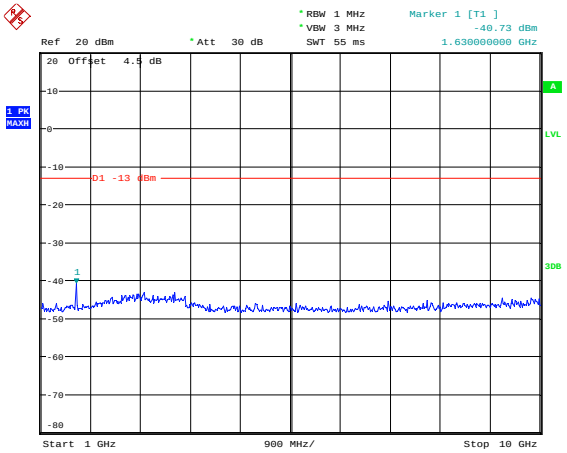


Date: 27.JAN.2021 21:59:13

10M, QPSK, Low Channel

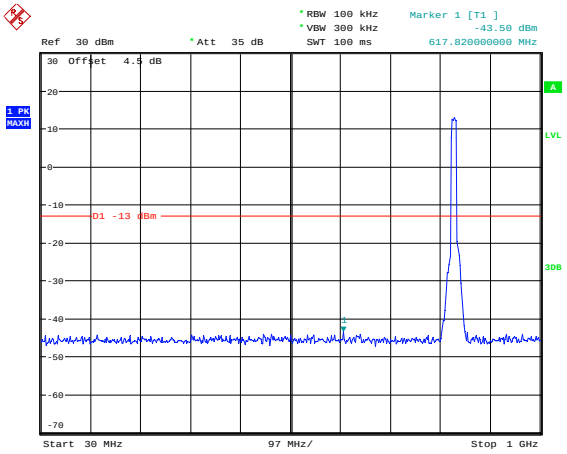


Date: 27.JAN.2021 21:59:39

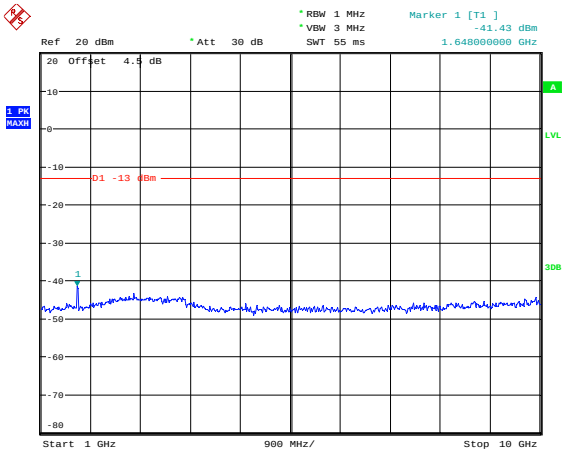


Date: 27.JAN.2021 21:59:52

10M, QPSK, Middle Channel

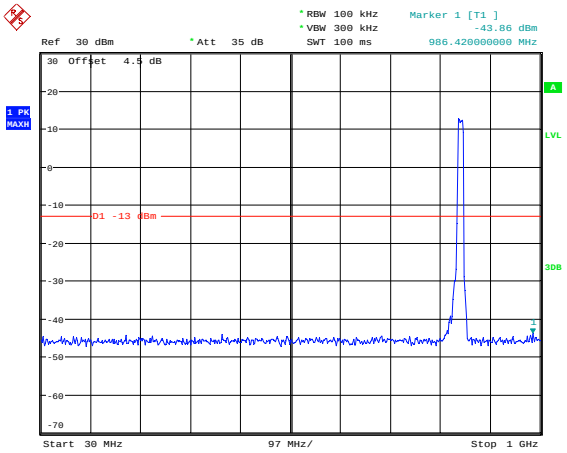


Date: 27.JAN.2021 22:00:15

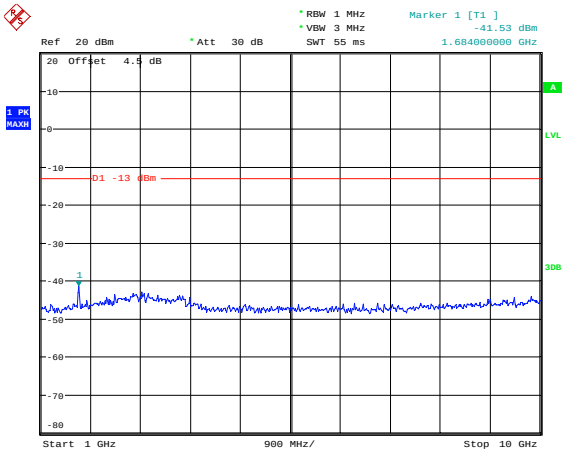


Date: 27.JAN.2021 22:00:28

10M, QPSK, High Channel

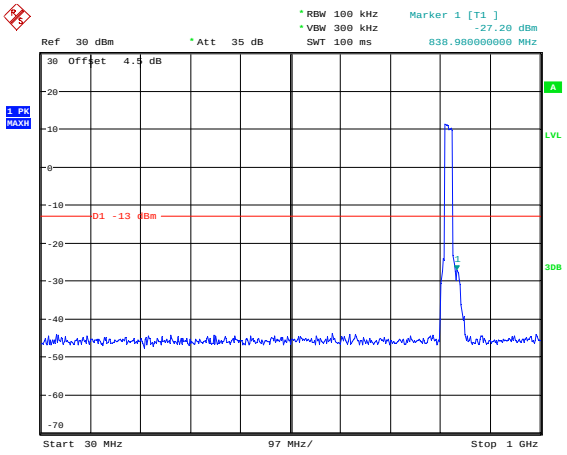


Date: 27.JAN.2021 22:00:47

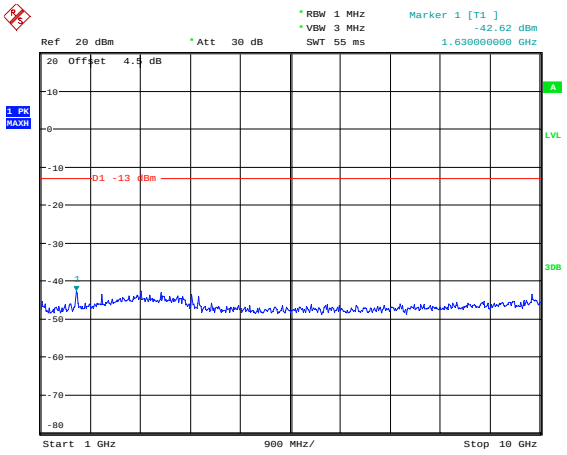


Date: 27.JAN.2021 22:01:03

15M, QPSK, Low Channel

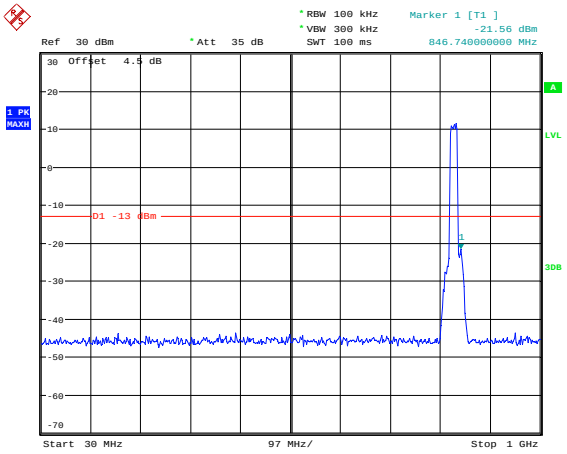


Date: 27.JAN.2021 22:01:30

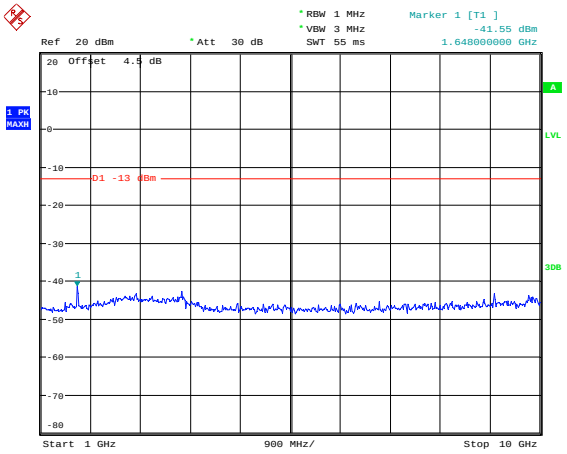


Date: 27.JAN.2021 22:01:42

15M, QPSK, Middle Channel

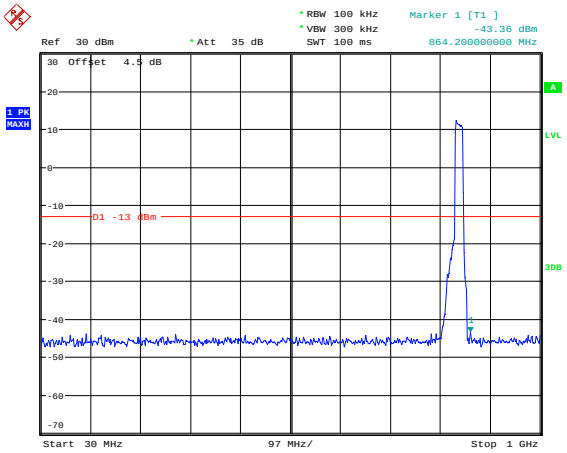


Date: 27.JAN.2021 22:02:05

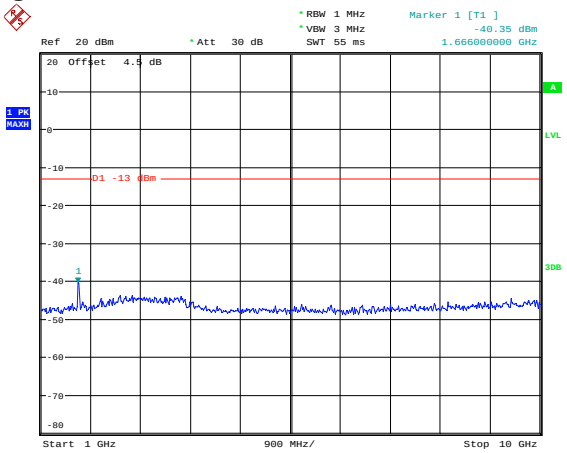


Date: 27.JAN.2021 22:02:21

15M, QPSK, High Channel



Date: 29.JAN.2021 10:54:27



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