

FCC PART 22/24/27 TEST REPORT

for

Tablet

Model No.: Algiz RT10

FCC ID: YY3-182010

of

Applicant: Handheld Group AB

Address: Kinnegatan 17 A 531 33 Lidköping Sweden

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1477, TW0020, TW1072

Industry Canada filed test laboratory Reg. No.: TW1477

A2LA Accredited No.: 2732.01



Report No.: W6M21903-18857-P-247

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.
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Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Certification of Test Report

Applicant : Handheld Group AB
Kinnegatan 17 A 531 33 Lidköping
Sweden

Manufacturer : Handheld Group AB
Kinnegatan 17 A 531 33 Lidköping
Sweden

Tested Equipment :

Type Description : Tablet
Model Number : Algiz RT10
Brand Name : Handheld
Operation Frequency : Please see chapter 2.3.
RF Output Power: : GSM Band 850 MHz: 28.31 dBm (ERP)
Band1900: 27.03 dBm (EIRP)
WCDMA Band II: 23.30 dBm (EIRP)
Band V: 19.69 dBm (ERP)
LTE Band II: 23.47 dBm (EIRP)
Band IV 25.04 dBm (EIRP)
Band V: 19.10 dBm (ERP)
Band XII: 22.14 dBm (ERP)
Band XIII: 21.68 dBm (ERP)
Power Supply : Adapter (I/P: 100-240V~50/60Hz, 0.5A
O/P: 3.6-6V, 3A / 6-9V, 2A / 9-12V, 1.5A)
Battery 3.7V, 7500mAh, Battery 3.7V, 1550mAh

Regulation Applied : 47CFR Part 22 (2018-10), Part 24 (2018-10),
Part 27 (2018-10)

Test Method : 47CFR Part 2 (2018), TIA/EIA-603E (2016) and
ANSI C63.26 (2015)

I HEREBY CERTIFY THAT: The test results written in this report were derived conscientiously in accordance with the requirements and procedures of 47CFR Part 2(2018), TIA/EIA-603E(2016), and it was found that the device described above is in compliance with the applicable limits specified in 47CFR Part 22/24/27.

Note:

1. The result of this test report is valid only in connection to the sample has been tested at the laboratory of Worldwide Testing Services (Taiwan) Co. Ltd.
2. This test report shall always be duplicated in full pages unless the written approval of the testing laboratory is obtained.



Worldwide Testing Services(Taiwan) Co., Ltd.

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Test Engineer:

June 11, 2019

Kent Lin

Kent Lin

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

June 11, 2019

Kevin Wang

Kevin Wang

Date

WTS

Name

Signature



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1. Summary

1.1 Description of tested equipment

This equipment under tested, Algiz RT10, is a Tablet.

This test report only contains test requirements specified in 47CFR Part 22, Part 24 and Part27 for GSM, WCDMA and LTE function. For other functions; please refer to separate test report with respect to the relevant test standard and specification.

1.2 Date of testing processing

Date of receipt of test item: March 22, 2019

Date of test: from March 22, 2019 to June 5, 2019

Other Information: None

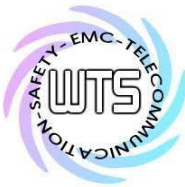
1.3 Modification Information

No modification was made during the all test items been performed.

1.4 Test standards

Technical standard: **FCC Part 2 (2018), TIA/EIA-603E (2016), ANSI C63.26 (2015)
47CFR Part 22 (2018), Part 24 (2018) and Part 27 (2018)**

Deviation from test standard: None



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1.5 Summary of test result

GSM & WCDMA

Section in this Report	Test Item	FCC relevant Section	Verdict
3.2	RF Power Output (Effective radiated power)	2.1046(a), 22.913(a)	Pass
4.2	Modulation characteristics	2.1047	Not Required
5.2	Occupied bandwidth	2.1049(h)	Pass
6.2	Spurious emissions at antenna terminals	22.917(a), 2.1051	Pass
7.2	Field strength of spurious radiation	22.917(a), 2.1053	Pass
7.5	Band Edge emissions	22.917(a)	Pass
8.2	Frequency stability	2.1055 22.355	Pass

Section in this Report	Test Item	FCC Relevant Section	Verdict
3.2	RF Power Output (Equivalent isotropically radiated power)	2.1046(a), 24.232	Pass
4.2	Modulation characteristics	2.1047	Not Required
5.2	Occupied bandwidth	2.1049(h) 24.238(b)	Pass
6.2	Spurious emissions at antenna terminals	24.238(a), 2.1051	Pass
7.2	Field strength of spurious radiation	24.238(a), 2.1053	Pass
7.5	Band Edge emissions	24.238(b)	Pass
8.2	Frequency stability	2.1055 24.235	Pass



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Harmonized Standard Requirements and Conformance Test Specifications				
Item	Clause	Test Content	Limit	Test Result
3.2	§22.913 §24.232 §27.50	Effective Radiated Power and Equivalent Isotropic Radiated Power Measurement	ERP < 7 Watts (Band 5) EIRP < 2 Watts (Band 2) ERP < 3 Watts (Band 12, Band 13) EIRP < 1 Watts (Band 4)	Pass
5.3	§24.232 §27.50	Peak-to-Average Ratio	< 13 dB	Pass
6.2	§2.1049	Occupied Bandwidth	OBW : No Limit	Pass
7.2	§22.917 §24.238 §27.53	Conducted Spurious Emission Measurement	< 43+10log10(P[Watts])	Pass
8.2	§22.917 §24.238 §27.53	Radiated Spurious Emission Measurement	< 43+10log10(P[Watts])	Pass
8.5	§22.917 §24.238 §27.53	Conducted Band Edge Measurement	< 43+10log10(P[Watts])	Pass
9.2	§2.1055 §22.355 §24.235 §27.54	Frequency stability / Temperature variation Measurement	< 2.5 ppm	Pass

Test item Name	Measurement Uncertainty
Estimation Result of Uncertainty of Radiated Emission(3M)	Expanded Uncertainty: 0.009-30 MHz:2.02 dB 30-1000 MHz:3.49 dB 1-18 GHz:3.01 dB 18-40 GHz:2.43 dB
Estimation Result of Uncertainty of Conducted Output Power Measurement	Expanded Uncertainty : 1.72 dB
Estimation Result of Uncertainty of Bandwidth Measurement	Expanded Uncertainty : 0.45 kHz
Estimation Result of Uncertainty of Frequency Drift Measurement	Expanded Uncertainty : 6.11 Hz
Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty : 0.98 dBc

The decision rule is: Measurement uncertainty is not taken into account.



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2. General Information

2.1 Testing laboratory

2.1.1 Location

OATS
No.5-1, Shuang Sing Village,
LiShuei Rd., Wanli Township,
Taipei County 207, Taiwan (R.O.C.)
Company
Worldwide Testing Services (Taiwan) Co., Ltd.
6F, NO. 58, LANE 188, RUEY-KUANG RD.
NEIHU, TAIPEI 114, TAIWAN R.O.C.
Tel : 886-2-66068877
Fax : 886-2-66068879

2.1.2 Details of accreditation status

Accredited testing laboratory
A2LA-registration number: 2732.01
FCC filed test laboratory Reg. No. TW1477, TW0020, TW1072
Industry Canada filed test laboratory Reg. No. TW1477

2.1.3 Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd.

Name: ./.
Accredited number: ./.
Street: ./.
Town: ./.
Country: ./.
Telephone: ./.
Fax: ./.

2.2 Details of approval holder

Name: Handheld Group AB
Street: Kinnegatan 17 A 531 33
Town: Lidköping
Country: Sweden
Telephone: +46(0) 510-54 71 70
Fax: ./.

Manufacturer: (if different from applicant)

Name: ./.
Street: ./.
Town: ./.
Country: ./.

2.3 Description of Tested System

The EUT was tested alone without the Accessories or Peripherals.

Equipment	Model No.	Series No.	Software	Cable information	Note
No accessories were used with this EUT.					



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Frequencies Selected to be investigated:

GSM

Band 850 MHz

Low Frequency (ch 128): 824.2 MHz

Mid Frequency (ch 188): 836.2 MHz

High Frequency (ch 251): 848.8 MHz

Band 1900 MHz

Low Frequency (ch 512): 1850.2 MHz

Mid Frequency (ch 661): 1880.0 MHz

High Frequency (ch 810): 1909.8 MHz

WCDMA Band II

Low Frequency (ch 9262): 1852.4 MHz

Mid Frequency (ch 9400): 1880.0 MHz

High Frequency (ch 9538): 1907.6 MHz

WCDMA Band V

Low Frequency (ch 4132): 826.4 MHz

Mid Frequency (ch 4183): 836.6 MHz

High Frequency (ch 4233): 846.6 MHz

LTE

Band II

Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	18607	1850.7	607	1930.7
	3	18615	1851.5	615	1931.5
	5	18625	1852.5	625	1932.5
	10	18650	1855	650	1935
	15 ^[1]	18675	1857.5	675	1937.5
	20 ^[1]	18700	1860	700	1940
Mid Range	1.4/3/5/10 15 ^[1] /20 ^[1]	18900	1880	900	1960
High Range	1.4	19193	1909.3	1193	1989.3
	3	19185	1908.5	1185	1988.5
	5	19175	1907.5	1175	1987.5
	10	19150	1905	1150	1985
	15 ^[1]	19125	1902.5	1125	1982.5
	20 ^[1]	19100	1900	1100	1980

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

Band IV

Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	19957	1710.7	1957	2110.7
	3	19965	1711.5	1965	2111.5
	5	19975	1712.5	1975	2112.5
	10	20000	1715	2000	2115
	15	20025	1717.5	2025	2117.5
	20	20050	1720	2050	2120
Mid Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5
High Range	1.4	20393	1754.3	2393	2154.3
	3	20385	1753.5	2385	2153.5
	5	20375	1752.5	2375	2152.5
	10	20350	1750	2350	2150
	15	20325	1747.5	2325	2147.5
	20	20300	1745	2300	2145



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Band V

Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	20407	824.7	2407	869.7
	3	20415	825.5	2415	870.5
	5	20425	826.5	2425	871.5
	10 [1]	20450	829	2450	874
Mid Range	1.4/3/5 10 [1]	20525	836.5	2525	881.5
High Range	1.4	20643	848.3	2643	893.3
	3	20635	847.5	2635	892.5
	5	20625	846.5	2625	891.5
	10 [1]	20600	844	2600	889

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

Band XII

Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	23017	699.7	5017	729.7
	3	23025	700.5	5025	730.5
	5 [1]	23035	701.5	5035	731.5
	10 [1]	23060	704	5060	734
Mid Range	1.4/3 5 [1]/10 [1]	23095	707.5	5095	737.5
High Range	1.4	23173	715.3	5173	745.3
	3	23165	714.5	5165	744.5
	5 [1]	23155	713.5	5155	743.5
	10 [1]	23130	711	5130	741

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

Band XIII

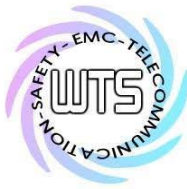
Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	5 [1]	23205	779.5	5205	748.5
	10 [1]	23230	782	5230	751
Mid Range	5 [1]/10 [1]	23230	782	5230	751
High Range	5 [1]	23255	784.5	5255	753.5
	10 [1]	23230	782	5230	751

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

Antenna Type: FPC Antenna
 Antenna Gain: GSM850: -3.817dBi, GSM1900: -0.227 dBi
 WCDMA Band II: -0.227 dBi, Band V: -3.817 dBi
 LTE Band II: -0.227 dBi, Band IV: 1.205 dBi,
 Band V: -3.817 dBi, Band XII: -2.62 dBi Band XIII: -0.483 dBi
 Power supply: Adapter (I/P: 100-240V~50/60Hz, 0.5A
 O/P: 3.6-6V, 3A / 6-9V, 2A / 9-12V, 1.5A)
 Battery 3.7V, 7500mAh, Battery 3.7V, 1550mAh

2.4 Test environment

Temperature: 27 °C
 Relative humidity content: 54 %
 Air pressure: 86-103 Kpa



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2.5 General Test Requirement

Radiated Emission: For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100 kHz respectively with an appropriate sweep speed.

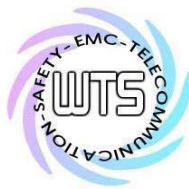
For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

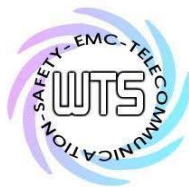


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2.6 Test Equipment List

No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2019/5/20	2020/5/19
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2018/11/1	2019/10/31
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2018/8/21	2019/8/20
ETSTW-CE 008	HF-EICHLLEITUNG RF STEP ATTENUATOR 139dB DPSP	334.6010.02	844581/024	R&S	Function Test	
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2018/7/13	2019/7/12
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2018/9/25	2019/9/24
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2018/7/16	2019/7/15
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2019/5/20	2020/5/19
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2019/5/29	2020/5/28
ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L	Function Test	
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0336	397	K&L	Function Test	
ETSTW-RE 018	MICROWAVE HORN ANTENNA	AT4560	27212	AR	2018/7/13	2019/7/12
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2018/7/12	2019/7/11
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2019/4/2	2020/4/1
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2019/1/29	2020/1/28
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2019/4/23	2020/4/22
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2019/5/13	2020/5/12
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2019/2/27	2020/2/26
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2019/2/27	2020/2/26
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2019/2/27	2020/2/26
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2019/3/5	2020/3/4
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2019/2/27	2020/2/26
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2019/5/16	2020/5/15
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	
ETSTW-RE 069	Double-Ridged Guide Horn Antenna	3117	00069377	ETS-Lindgren	Function Test	
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	HP	2018/9/17	2019/9/16
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2018/9/18	2019/9/17
ETSTW-RE 091	Match Pad	MDCS1500	None	WOKEN	2019/5/9	2020/5/8
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2019/2/22	2020/2/21
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	T-0A023536	T-Power	Function test	
ETSTW-RE 115	2.4GHz Notch Filter	N0124411	473874	MICROWAVE CIRCUITS	2019/1/15	2020/1/14
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Function test	



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ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2019/5/20	2020/5/19
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2018/8/8	2019/8/7
ETSTW-RE 126	5GHz Notch filter	5NSL12-5800/E221.3-O/O	1	K&L Microwave	2018/8/8	2019/8/7
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2019/2/26	2020/2/25
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2018/8/8	2019/8/7
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2018/8/8	2019/8/7
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2019/5/16	2020/5/15
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2019/4/2	2020/4/1
ETSTW-RE 151	Thermohygrometer	608-h1	45104376	TESTO	2018/8/17	2019/8/16
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2019/5/16	2020/5/15
ETSTW-EMS 008	Exposure Level Tester	ELT-400	G-0009	Narda	2018/7/17	2019/7/16
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2019/3/5	2020/3/4
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2019/3/26	2020/3/25
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2018/10/19	2019/10/18
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI	2019/1/14	2020/1/13
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2019/1/14	2020/1/13
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2019/1/14	2020/1/13
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2019/1/14	2020/1/13
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2018/9/12	2019/9/11
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2019/3/5	2020/3/4
ETSTW-GSM 025	Band Reject Filter	BRM19835	001	Micro-Tronics	2018/8/9	2019/8/8
ETSTW-Cable 011	SMA to N type Cable	RGU-400	None	THERMAX	Pre-test Use NCR	
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2019/2/21	2020/2/20
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2019/2/21	2020/2/20
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2019/2/21	2020/2/20
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2019/2/21	2020/2/20
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2018/7/2	2019/7/1
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2019/2/25	2020/2/24
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2019/5/10	2020/5/9
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2018/9/18	2019/9/17
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2018/9/18	2019/9/17
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S Cable 9)	279067	HUBER+SUHNER	2019/2/25	2020/2/24
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2019/5/16	2020/5/15
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2019/6/4	2020/6/3
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2019/5/16	2020/5/15



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ETSTW-Cable 066	SMA type cable	32022	None	ASTROLAB	2019/3/15	2020/3/14
ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM-NM-25000	170239	EMCI	2019/6/4	2020/6/3
ETSTW-Cable 072	SMA type cable (8m)	SUCOFLEX 104	805800/4	HUBER+SUHNER	2019/5/16	2020/5/15
ETSTW-Cable 074	SMA type cable (2m)	SUCOFLEX 104	802563/4	HUBER+SUHNER	2019/5/16	2020/5/15
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1	
WTSTW-SW 006	EMI TEST SOFTWARE	e3	None	AUDIX	Version 9.161014	
WTSTW-SW 008	Signal studio	Agilent	None	AUDIX	Version 2.0.0.1	

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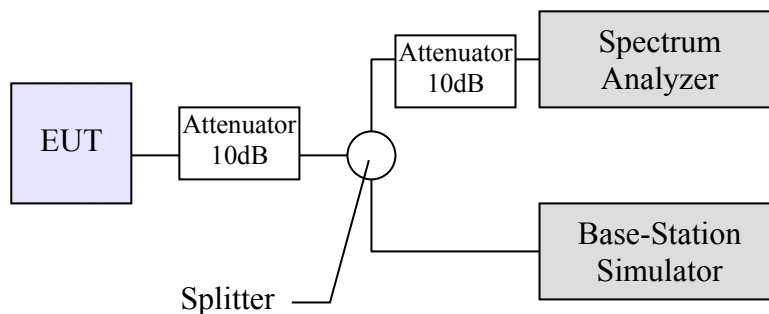
3. RF Power Output

3.1 Test procedure

3.1.1 Conducted Method

Per 47CFR Part 2.1046, the RF power output shall be measured at the RF output terminals and following procedure is employed:

The transmitter output was connected as the following figure:



The whole connection system is calibrated with a standard signal generator. Power on and make a link form simulator to EUT and then set the EUT to maximum output power.

Measure the RF power with the spectrum analyzer in accordance the following settings:

RBW: 300 kHz for Frequency below 1GHz and 1MHz for Frequency equal to and above 1GHz.

VBW: 300 kHz for Frequency below 1GHz and 1MHz for Frequency equal to and above 1GHz.

Span: 2MHz

Sweep: 3s

The power output at the transmitter antenna terminal is then determined by assign the value of the corrected factor to the spectrum analyzer reading.

Tests were performed at three frequencies (low, middle and high channels) and operation mode selected.



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3.2 Test Results

GSM

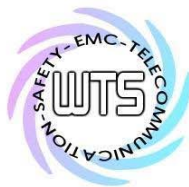
Band 850 MHz & 1900 MHz

GSM 850	POWER(dBm) Low Ch128/824.2MHz	POWER(dBm) Mid Ch188/836.2MHz	POWER(dBm) High Ch251/848.8MHz	ERP Low Ch128/824.2MHz	ERP Mid Ch188/836.2MHz	ERP High Ch251/848.8MHz
	32.05	32.13	32.03	28.233	28.313	28.213
GSM 1900	POWER(dBm) Low Ch512/1850.2MHz	POWER(dBm) Mid Ch661/1880MHz	POWER(dBm) High Ch810/1909.8MHz	EIRP Low Ch512/1850.2MHz	EIRP Mid Ch661/1880MHz	EIRP High Ch810/1909.8MHz
	26.84	27.26	26.71	26.613	27.033	26.483

WCDMA

Band II & Band V

WCDMA Band II	POWER(dBm) Low Ch9262/ 1852.4MHz	POWER(dBm) Mid Ch9400/ 1880MHz	POWER(dBm) High Ch9538/ 1907.6MHz	EIRP Low Ch9262/ 1852.4MHz	EIRP Mid Ch9400/1880MHz	EIRP High Ch9538/ 1907.6MHz
	23.43	23.53	22.27	23.203	23.303	22.043
WCDMA Band V	POWER(dBm) Low Ch4132/ 826.4MHz	POWER(dBm) Mid Ch4183/ 836.6MHz	POWER(dBm) High Ch4233/ 846.6MHz	ERP Low Ch4132/ 826.4MHz	ERP Mid Ch4183/ 836.6MHz	ERP High Ch4233/ 846.6MHz
	23.51	23.27	23.4	19.693	19.453	19.583



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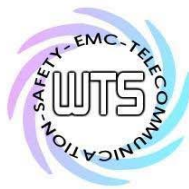
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LTE

Band II

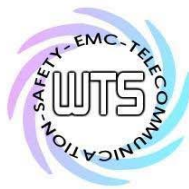
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18607/ 1850.7MHz	POWER(dBm) Mid Ch18900/ 1880MHz	POWER(dBm) High Ch19193 /1909.3MHz	EIRP Low Ch18607/ 1850.7MHz	EIRP Mid Ch18900/ 1880MHz	EIRP High Ch19193/ 1909.3MHz
1.4	QPSK	1	0	22.31	22.5	22.22	22.083	22.273	21.993
1.4	QPSK	1	3	22.36	22.47	22.32	22.133	22.243	22.093
1.4	QPSK	1	5	22.34	22.24	22.04	22.113	22.013	21.813
1.4	QPSK	3	0	22.18	22.27	22.31	21.953	22.043	22.083
1.4	QPSK	3	1	22.24	22.46	22.32	22.013	22.233	22.093
1.4	QPSK	3	3	22.18	22.37	22.25	21.953	22.143	22.023
1.4	QPSK	6	0	20.6	21.03	21.08	20.373	20.803	20.853
1.4	16QAM	1	0	21.2	21.78	21.55	20.973	21.553	21.323
1.4	16QAM	1	3	21.72	21.92	21.59	21.493	21.693	21.363
1.4	16QAM	1	5	21.42	21.56	21.49	21.193	21.333	21.263
1.4	16QAM	3	0	21.24	21.46	21.23	21.013	21.233	21.003
1.4	16QAM	3	1	21.21	21.28	21.32	20.983	21.053	21.093
1.4	16QAM	3	3	21.28	21.22	21.24	21.053	20.993	21.013
1.4	16QAM	6	0	20.01	20.08	19.83	19.783	19.853	19.603
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18615/ 1851.5MHz	POWER(dBm) Mid Ch18900/ 1880MHz	POWER(dBm) High Ch19185/ 1908.5MHz	EIRP Low Ch18615/ 1851.5MHz	EIRP Mid Ch18900/ 1880MHz	EIRP High Ch19185/ 1908.5MHz
3	QPSK	1	0	22.18	22.47	22.5	21.953	22.243	22.273
3	QPSK	1	7	22.54	23.06	22.44	22.313	22.833	22.213
3	QPSK	1	14	22.17	22.4	22.12	21.943	22.173	21.893
3	QPSK	8	0	21.16	21.18	21.52	20.933	20.953	21.293
3	QPSK	8	3	21.08	21.32	21.4	20.853	21.093	21.173
3	QPSK	8	7	21.11	21.14	21.33	20.883	20.913	21.103
3	QPSK	15	0	20.99	21.16	21.34	20.763	20.933	21.113
3	16QAM	1	0	21.87	21.8	21.76	21.643	21.573	21.533
3	16QAM	1	7	22.62	22.65	21.69	22.393	22.423	21.463
3	16QAM	1	14	21.89	21.68	21.38	21.663	21.453	21.153
3	16QAM	8	0	20.12	20.36	20.15	19.893	20.133	19.923
3	16QAM	8	3	20.16	20.4	19.99	19.933	20.173	19.763
3	16QAM	8	7	20.14	20.3	20.33	19.913	20.073	20.103
3	16QAM	15	0	20.1	20.25	19.98	19.873	20.023	19.753
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18625/ 1852.5MHz	POWER(dBm) Mid Ch18900/ 1880MHz	POWER(dBm) High Ch19175/ 1907.5MHz	EIRP Low Ch18625/ 1852.5MHz	EIRP Mid Ch18900/ 1880MHz	EIRP High Ch19175/ 1907.5MHz
5	QPSK	1	0	22.23	22.82	23	22.003	22.593	22.773
5	QPSK	1	12	22.38	22.79	22.57	22.153	22.563	22.343
5	QPSK	1	24	22.32	22.46	22.03	22.093	22.233	21.803
5	QPSK	12	0	21.25	21.33	22.01	21.023	21.103	21.783
5	QPSK	12	6	21.15	21.17	21.17	20.923	20.943	20.943
5	QPSK	12	13	21.13	21.11	21.38	20.903	20.883	21.153
5	QPSK	25	0	21.1	21.24	21.81	20.873	21.013	21.583
5	16QAM	1	0	21.98	22.25	22.56	21.753	22.023	22.333
5	16QAM	1	12	21.28	22.07	22.09	21.053	21.843	21.863
5	16QAM	1	24	21.67	21.82	21.52	21.443	21.593	21.293
5	16QAM	12	0	20.18	20.24	20.49	19.953	20.013	20.263
5	16QAM	12	6	20.2	20.22	20.08	19.973	19.993	19.853
5	16QAM	12	13	20.06	20.04	20.36	19.833	19.813	20.133
5	16QAM	25	0	20.11	20.18	20.89	19.883	19.953	20.663



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BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18650/ 1855MHz	POWER(dBm) Mid Ch18900/ 1880MHz	POWER(dBm) High Ch19150/ 1905MHz	EIRP Low Ch18650/ 1855MHz	EIRP Mid Ch18900/ 1880MHz	EIRP High Ch19150/ 1905MHz
10	QPSK	1	0	22.61	22.75	23.18	22.383	22.523	22.953
10	QPSK	1	24	22.38	22.33	22.62	22.153	22.103	22.393
10	QPSK	1	49	22.09	22.51	21.99	21.863	22.283	21.763
10	QPSK	25	0	21.31	21.33	21.6	21.083	21.103	21.373
10	QPSK	25	12	21.13	21.25	21.77	20.903	21.023	21.543
10	QPSK	25	25	21.07	21.17	21.82	20.843	20.943	21.593
10	QPSK	50	0	21.19	21.37	21.64	20.963	21.143	21.413
10	16QAM	1	0	23.37	22.75	23.37	23.143	22.523	23.143
10	16QAM	1	24	21.95	22.14	22.54	21.723	21.913	22.313
10	16QAM	1	49	21.81	22.31	21.26	21.583	22.083	21.033
10	16QAM	25	0	20.3	20.37	20.51	20.073	20.143	20.283
10	16QAM	25	12	20.02	20.24	20.77	19.793	20.013	20.543
10	16QAM	25	25	20.14	20.22	20.86	19.913	19.993	20.633
10	16QAM	50	0	20.13	20.23	20.64	19.903	20.003	20.413
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18675/ 1857.5MHz	POWER(dBm) Mid Ch18900/ 1880MHz	POWER(dBm) High Ch19125/ 1902.5MHz	EIRP Low Ch18675/ 1857.5MHz	EIRP Mid Ch18900/ 1880MHz	EIRP High Ch19125/ 1902.5MHz
15	QPSK	1	0	23.37	23.12	23.49	23.143	22.893	23.263
15	QPSK	1	37	22.82	22.34	22.99	22.593	22.113	22.763
15	QPSK	1	74	22.71	22.55	22.26	22.483	22.323	22.033
15	QPSK	36	0	21.53	21.44	21.62	21.303	21.213	21.393
15	QPSK	36	19	21.34	21.22	21.4	21.113	20.993	21.173
15	QPSK	36	39	21.27	21.26	21.49	21.043	21.033	21.263
15	QPSK	75	0	21.41	21.26	21.55	21.183	21.033	21.323
15	16QAM	1	0	22.46	22.78	23.1	22.233	22.553	22.873
15	16QAM	1	37	21.71	21.71	23.23	21.483	21.483	23.003
15	16QAM	1	74	21.9	21.74	21.84	21.673	21.513	21.613
15	16QAM	36	0	20.48	20.4	20.59	20.253	20.173	20.363
15	16QAM	36	19	20.34	20.22	20.41	20.113	19.993	20.183
15	16QAM	36	39	20.26	20.23	20.69	20.033	20.003	20.463
15	16QAM	75	0	20.41	20.27	20.54	20.183	20.043	20.313
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18700/ 1860MHz	POWER(dBm) Mid Ch18900/ 1880MHz	POWER(dBm) High Ch19100/ 1900MHz	EIRP Low Ch18675/ 1857.5MHz	EIRP Mid Ch18900/ 1880MHz	EIRP High Ch19125/ 1902.5MHz
20	QPSK	1	0	22.87	23.44	23.7	22.643	23.213	23.473
20	QPSK	1	49	21.95	22.08	22.28	21.723	21.853	22.053
20	QPSK	1	99	22.38	22.46	22.19	22.153	22.233	21.963
20	QPSK	50	0	21.32	21.63	22.26	21.093	21.403	22.033
20	QPSK	50	25	21.15	21.21	21.44	20.923	20.983	21.213
20	QPSK	50	50	20.99	21.46	21.77	20.763	21.233	21.543
20	QPSK	100	0	21.1	21.46	22.13	20.873	21.233	21.903
20	16QAM	1	0	22.78	23.25	22.91	22.553	23.023	22.683
20	16QAM	1	49	21.63	21.34	22.31	21.403	21.113	22.083
20	16QAM	1	99	21.84	22.2	21.64	21.613	21.973	21.413
20	16QAM	50	0	20.59	20.61	20.83	20.363	20.383	20.603
20	16QAM	50	25	20.11	20.22	20.53	19.883	19.993	20.303
20	16QAM	50	50	20.12	20.22	20.5	19.893	19.993	20.273
20	16QAM	100	0	20.25	20.43	20.76	20.023	20.203	20.533



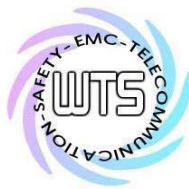
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Band IV

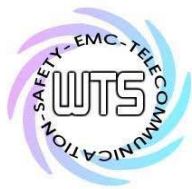
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch19957/ 1710.7MHz	POWER(dBm) Mid Ch20175/ 1732.5MHz	POWER(dBm) High Ch20393/ 1754.3MHz	EIRP Low Ch19957/ 1710.7MHz	EIRP Mid Ch20175/ 1732.5MHz	EIRP High Ch20393/ 1754.3MHz
1.4	QPSK	1	0	22.45	22.4	22.67	23.655	23.605	23.875
1.4	QPSK	1	3	22.61	22.69	22.43	23.815	23.895	23.635
1.4	QPSK	1	5	22.43	22.52	22.51	23.635	23.725	23.715
1.4	QPSK	3	0	22.61	22.44	22.63	23.815	23.645	23.835
1.4	QPSK	3	1	22.54	22.7	22.71	23.745	23.905	23.915
1.4	QPSK	3	3	22.56	22.61	22.49	23.765	23.815	23.695
1.4	QPSK	6	0	21.51	21.44	21.4	22.715	22.645	22.605
1.4	16QAM	1	0	21.81	21.69	21.32	23.015	22.895	22.525
1.4	16QAM	1	3	22.18	21.41	22.05	23.385	22.615	23.255
1.4	16QAM	1	5	21.6	22.05	21.58	22.805	23.255	22.785
1.4	16QAM	3	0	21.61	21.34	21.75	22.815	22.545	22.955
1.4	16QAM	3	1	21.67	21.42	21.78	22.875	22.625	22.985
1.4	16QAM	3	3	21.41	21.23	21.45	22.615	22.435	22.655
1.4	16QAM	6	0	20.38	20.31	20.44	21.585	21.515	21.645
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch19965/ 1711.5MHz	POWER(dBm) Mid Ch20175/ 1732.5MHz	POWER(dBm) High Ch20385/ 1753.5MHz	EIRP Low Ch19965/ 1711.5MHz	EIRP Mid Ch20175/ 1732.5MHz	EIRP High Ch20385/ 1753.5MHz
3	QPSK	1	0	22.51	22.82	22.61	23.715	24.025	23.815
3	QPSK	1	7	22.82	22.91	22.82	24.025	24.115	24.025
3	QPSK	1	14	22.76	22.39	22.58	23.965	23.595	23.785
3	QPSK	8	0	21.45	21.62	21.59	22.655	22.825	22.795
3	QPSK	8	3	21.49	21.61	21.58	22.695	22.815	22.785
3	QPSK	8	7	21.41	21.55	21.48	22.615	22.755	22.685
3	QPSK	15	0	21.59	21.49	21.4	22.795	22.695	22.605
3	16QAM	1	0	22.28	21.97	21.72	23.485	23.175	22.925
3	16QAM	1	7	22.78	22.07	22.72	23.985	23.275	23.925
3	16QAM	1	14	21.84	21.78	21.75	23.045	22.985	22.955
3	16QAM	8	0	20.54	20.52	20.61	21.745	21.725	21.815
3	16QAM	8	3	20.49	20.73	20.65	21.695	21.935	21.855
3	16QAM	8	7	20.45	20.51	20.33	21.655	21.715	21.535
3	16QAM	15	0	20.5	20.52	20.42	21.705	21.725	21.625
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch19975/ 1712.5MHz	POWER(dBm) Mid Ch20175/ 1732.5MHz	POWER(dBm) High Ch20375/ 1752.5MHz	EIRP Low Ch19975/ 1712.5MHz	EIRP Mid Ch20175/ 1732.5MHz	EIRP High Ch20375/ 1752.5MHz
5	QPSK	1	0	22.77	22.75	23	23.975	23.955	24.205
5	QPSK	1	12	22.82	22.66	22.86	24.025	23.865	24.065
5	QPSK	1	24	22.72	22.53	22.52	23.925	23.735	23.725
5	QPSK	12	0	21.43	21.66	21.52	22.635	22.865	22.725
5	QPSK	12	6	21.42	21.52	21.47	22.625	22.725	22.675
5	QPSK	12	13	21.48	21.59	21.39	22.685	22.795	22.595
5	QPSK	25	0	21.59	21.45	21.65	22.795	22.655	22.855
5	16QAM	1	0	22.32	22.66	22.22	23.525	23.865	23.425
5	16QAM	1	12	21.81	21.9	22.09	23.015	23.105	23.295
5	16QAM	1	24	21.85	21.54	21.96	23.055	22.745	23.165
5	16QAM	12	0	20.51	20.61	20.39	21.715	21.815	21.595
5	16QAM	12	6	20.45	20.51	20.62	21.655	21.715	21.825
5	16QAM	12	13	20.6	20.51	20.39	21.805	21.715	21.595
5	16QAM	25	0	20.51	20.62	20.69	21.715	21.825	21.895



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BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20000/ 1715MHz	POWER(dBm) Mid Ch20175/ 1732.5MHz	POWER(dBm) High Ch20350/ 1750MHz	EIRP Low Ch20000/ 1715MHz	EIRP Mid Ch20175/ 1732.5MHz	EIRP High Ch20350/ 1750MHz
10	QPSK	1	0	23.04	22.53	22.7	24.245	23.735	23.905
10	QPSK	1	24	22.75	22.68	22.85	23.955	23.885	24.055
10	QPSK	1	49	22.64	22.44	22.57	23.845	23.645	23.775
10	QPSK	25	0	21.7	21.71	21.68	22.905	22.915	22.885
10	QPSK	25	12	21.62	21.54	21.49	22.825	22.745	22.695
10	QPSK	25	25	21.4	21.43	21.47	22.605	22.635	22.675
10	QPSK	50	0	21.56	21.57	21.43	22.765	22.775	22.635
10	16QAM	1	0	22.62	22.53	22.42	23.825	23.735	23.625
10	16QAM	1	24	22.15	22.08	22.52	23.355	23.285	23.725
10	16QAM	1	49	22.25	21.67	22.22	23.455	22.875	23.425
10	16QAM	25	0	20.57	20.74	20.58	21.775	21.945	21.785
10	16QAM	25	12	20.56	20.56	20.5	21.765	21.765	21.705
10	16QAM	25	25	20.45	20.49	20.48	21.655	21.695	21.685
10	16QAM	50	0	20.43	20.48	20.56	21.635	21.685	21.765
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20025/ 1717.5MHz	POWER(dBm) Mid Ch20175/ 1732.5MHz	POWER(dBm) High Ch20325/ 1747.5MHz	EIRP Low Ch20025/ 1717.5MHz	EIRP Mid Ch20175/ 1732.5MHz	EIRP High Ch20325/ 1747.5MHz
15	QPSK	1	0	23.36	23.41	23.34	24.565	24.615	24.545
15	QPSK	1	37	22.65	22.93	22.68	23.855	24.135	23.885
15	QPSK	1	74	23.03	23.01	22.79	24.235	24.215	23.995
15	QPSK	36	0	21.74	22.04	21.97	22.945	23.245	23.175
15	QPSK	36	19	21.61	21.87	21.62	22.815	23.075	22.825
15	QPSK	36	39	21.69	21.83	21.6	22.895	23.035	22.805
15	QPSK	75	0	21.64	21.85	21.78	22.845	23.055	22.985
15	16QAM	1	0	23.03	22.81	22.96	24.235	24.015	24.165
15	16QAM	1	37	21.63	21.62	22.3	22.835	22.825	23.505
15	16QAM	1	74	22.89	22.65	22.15	24.095	23.855	23.355
15	16QAM	36	0	20.69	21.01	20.92	21.895	22.215	22.125
15	16QAM	36	19	20.72	20.77	20.61	21.925	21.975	21.815
15	16QAM	36	39	20.48	20.67	20.69	21.685	21.875	21.895
15	16QAM	75	0	20.61	20.89	20.79	21.815	22.095	21.995
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20050/ 1720MHz	POWER(dBm) Mid Ch20175/ 1732.5MHz	POWER(dBm) High Ch20300/ 1745MHz	EIRP Low Ch20050/ 1720MHz	EIRP Mid Ch20175/ 1732.5MHz	EIRP High Ch20300/ 1745MHz
20	QPSK	1	0	23.59	23.83	23.45	24.795	25.035	24.655
20	QPSK	1	49	22.43	22.68	22.61	23.635	23.885	23.815
20	QPSK	1	99	22.76	23.35	22.85	23.965	24.555	24.055
20	QPSK	50	0	22.08	22.4	21.95	23.285	23.605	23.155
20	QPSK	50	25	21.66	21.74	21.69	22.865	22.945	22.895
20	QPSK	50	50	21.69	21.91	21.85	22.895	23.115	23.055
20	QPSK	100	0	21.96	22.07	21.91	23.165	23.275	23.115
20	16QAM	1	0	22.91	23.5	22.89	24.115	24.705	24.095
20	16QAM	1	49	21.86	21.88	21.87	23.065	23.085	23.075
20	16QAM	1	99	22.54	23.02	22.26	23.745	24.225	23.465
20	16QAM	50	0	20.96	21.33	21.16	22.165	22.535	22.365
20	16QAM	50	25	20.63	20.75	20.78	21.835	21.955	21.985
20	16QAM	50	50	20.73	20.95	20.88	21.935	22.155	22.085
20	16QAM	100	0	20.89	20.97	20.96	22.095	22.175	22.165



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Band V

BW (MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20407/ 824.7MHz	POWER(dBm) Mid Ch20525/ 836.5MHz	POWER(dBm) High Ch20643/ 848.3MHz	ERP Low Ch20407/ 824.7MHz	ERP Mid Ch20525/ 836.5MHz	ERP High Ch20643/ 848.3MHz
1.4	QPSK	1	0	22.84	22.1	22.11	19.023	18.283	18.293
1.4	QPSK	1	3	22.38	22.41	22.16	18.563	18.593	18.343
1.4	QPSK	1	5	22.41	22.06	22.38	18.593	18.243	18.563
1.4	QPSK	3	0	22.31	22.04	22.23	18.493	18.223	18.413
1.4	QPSK	3	1	22.39	22.19	22.27	18.573	18.373	18.453
1.4	QPSK	3	3	22.27	21.99	22.19	18.453	18.173	18.373
1.4	QPSK	6	0	21.33	21.09	21.18	17.513	17.273	17.363
1.4	16QAM	1	0	21.46	21.18	21.5	17.643	17.363	17.683
1.4	16QAM	1	3	21.82	21.17	21.63	18.003	17.353	17.813
1.4	16QAM	1	5	21.56	21.05	21.61	17.743	17.233	17.793
1.4	16QAM	3	0	21.48	21.43	21.52	17.663	17.613	17.703
1.4	16QAM	3	1	21.67	21.19	21.38	17.853	17.373	17.563
1.4	16QAM	3	3	21.26	21.37	21.19	17.443	17.553	17.373
1.4	16QAM	6	0	20.4	20.13	20.1	16.583	16.313	16.283
BW (MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20415/ 825.5MHz	POWER(dBm) Mid Ch20525/ 836.5MHz	POWER(dBm) High Ch20635/ 847.5MHz	ERP Low Ch20415/ 825.5MHz	ERP Mid Ch20525/ 836.5MHz	ERP High Ch20635/ 847.5MHz
3	QPSK	1	0	22.39	22.17	22.36	18.573	18.353	18.543
3	QPSK	1	7	22.79	22.53	22.34	18.973	18.713	18.523
3	QPSK	1	14	22.32	22.07	22.15	18.503	18.253	18.333
3	QPSK	8	0	21.42	20.97	21.18	17.603	17.153	17.363
3	QPSK	8	3	21.34	21.24	21.21	17.523	17.423	17.393
3	QPSK	8	7	21.37	21.05	21.16	17.553	17.233	17.343
3	QPSK	15	0	21.44	20.94	21.19	17.623	17.123	17.373
3	16QAM	1	0	21.47	21.23	22.09	17.653	17.413	18.273
3	16QAM	1	7	22.31	21.79	21.85	18.493	17.973	18.033
3	16QAM	1	14	21.21	21.49	21.47	17.393	17.673	17.653
3	16QAM	8	0	20.43	20.05	20.18	16.613	16.233	16.363
3	16QAM	8	3	20.38	20.07	20.15	16.563	16.253	16.333
3	16QAM	8	7	20.39	20.09	20.15	16.573	16.273	16.333
3	16QAM	15	0	20.53	19.99	20.15	16.713	16.173	16.333
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20425/ 826.5MHz	POWER(dBm) Mid Ch20525/ 836.5MHz	POWER(dBm) High Ch20625/ 846.5MHz	ERP Low Ch20425/ 826.5MHz	ERP Mid Ch20525/ 836.5MHz	ERP High Ch20625/ 846.5MHz
5	QPSK	1	0	22.87	22.32	22.32	19.053	18.503	18.503
5	QPSK	1	12	22.66	22.57	22.35	18.843	18.753	18.533
5	QPSK	1	24	22.61	22.26	22.36	18.793	18.443	18.543
5	QPSK	12	0	21.54	21.21	21.2	17.723	17.393	17.383

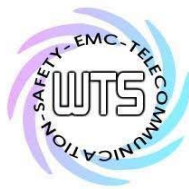


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5	QPSK	12	6	21.35	21.32	21.22	17.533	17.503	17.403
5	QPSK	12	13	21.27	21.14	21.28	17.453	17.323	17.463
5	QPSK	25	0	21.33	21.26	21.27	17.513	17.443	17.453
5	16QAM	1	0	22.42	21.9	22.25	18.603	18.083	18.433
5	16QAM	1	12	22.67	22.13	21.72	18.853	18.313	17.903
5	16QAM	1	24	22.27	21.91	21.79	18.453	18.093	17.973
5	16QAM	12	0	20.47	20.23	20.22	16.653	16.413	16.403
5	16QAM	12	6	20.3	20.33	20.24	16.483	16.513	16.423
5	16QAM	12	13	20.32	20.14	20.22	16.503	16.323	16.403
5	16QAM	25	0	20.41	20.13	20.19	16.593	16.313	16.373
BW (MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20450/ 829MHz	POWER(dBm) Mid Ch20525/ 836.5MHz	POWER(dBm) High Ch20600/ 844MHz	ERP Low Ch20450/ 829MHz	ERP Mid Ch20525/ 836.5MHz	ERP High Ch20600/ 844MHz
10	QPSK	1	0	22.92	22.49	22.59	19.103	18.673	18.773
10	QPSK	1	24	22.63	22.52	22.65	18.813	18.703	18.833
10	QPSK	1	49	22.48	22.73	22.53	18.663	18.913	18.713
10	QPSK	25	0	21.39	21.26	21.48	17.573	17.443	17.663
10	QPSK	25	12	21.32	21.18	21.47	17.503	17.363	17.653
10	QPSK	25	25	21.29	21.21	21.3	17.473	17.393	17.483
10	QPSK	50	0	21.38	21.2	21.39	17.563	17.383	17.573
10	16QAM	1	0	22.46	22.27	22.09	18.643	18.453	18.273
10	16QAM	1	24	22.34	22.22	22.48	18.523	18.403	18.663
10	16QAM	1	49	22.15	22.16	22.43	18.333	18.343	18.613
10	16QAM	25	0	20.45	20.23	20.48	16.633	16.413	16.663
10	16QAM	25	12	20.37	20.25	20.54	16.553	16.433	16.723
10	16QAM	25	25	20.32	20.22	20.37	16.503	16.403	16.553
10	16QAM	50	0	20.27	20.18	20.32	16.453	16.363	16.503



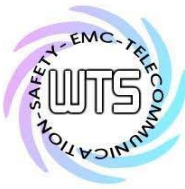
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Band XII

BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch23017/ 699.7MHz	POWER(dBm) Mid Ch23095/ 707.5MHz	POWER(dBm) High Ch23173/ 715.3MHz	ERP Low Ch23017/ 699.7MHz	ERP Mid Ch23095/ 707.5MHz	ERP High Ch23173/ 715.3MHz
1.4	QPSK	1	0	23.62	23.84	23.58	21	21.22	20.96
1.4	QPSK	1	3	23.7	23.81	23.67	21.08	21.19	21.05
1.4	QPSK	1	5	23.65	23.61	24.1	21.03	20.99	21.48
1.4	QPSK	3	0	23.57	23.72	23.56	20.95	21.1	20.94
1.4	QPSK	3	1	23.55	23.76	23.75	20.93	21.14	21.13
1.4	QPSK	3	3	23.5	23.67	23.81	20.88	21.05	21.19
1.4	QPSK	6	0	22.15	22.34	22.38	19.53	19.72	19.76
1.4	16QAM	1	0	22.8	22.56	23.05	20.18	19.94	20.43
1.4	16QAM	1	3	23.46	23.12	23.28	20.84	20.5	20.66
1.4	16QAM	1	5	22.45	22.88	22.78	19.83	20.26	20.16
1.4	16QAM	3	0	22.75	23.03	22.89	20.13	20.41	20.27
1.4	16QAM	3	1	22.83	23.05	22.87	20.21	20.43	20.25
1.4	16QAM	3	3	22.68	22.94	22.28	20.06	20.32	19.66
1.4	16QAM	6	0	21.28	21.43	21.57	18.66	18.81	18.95
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch23025/ 700.5MHz	POWER(dBm) Mid Ch23095/ 707.5MHz	POWER(dBm) High Ch23165/ 714.5MHz	ERP Low Ch23025/ 700.5MHz	ERP Mid Ch23095/ 707.5MHz	ERP High Ch23165/ 714.5MHz
3	QPSK	1	0	23.72	23.83	23.7	21.1	21.21	21.08
3	QPSK	1	7	24.76	24.1	24.13	22.14	21.48	21.51
3	QPSK	1	14	23.61	23.71	23.92	20.99	21.09	21.3
3	QPSK	8	0	22.28	22.58	22.61	19.66	19.96	19.99
3	QPSK	8	3	22.29	22.58	22.75	19.67	19.96	20.13
3	QPSK	8	7	22.32	22.83	22.85	19.7	20.21	20.23
3	QPSK	15	0	22.33	22.51	22.67	19.71	19.89	20.05
3	16QAM	1	0	23.14	23.35	23.18	20.52	20.73	20.56
3	16QAM	1	7	23.79	23.29	24.08	21.17	20.67	21.46
3	16QAM	1	14	23.24	23	23.35	20.62	20.38	20.73
3	16QAM	8	0	21.49	21.75	21.71	18.87	19.13	19.09
3	16QAM	8	3	21.43	21.76	21.87	18.81	19.14	19.25
3	16QAM	8	7	21.47	21.99	21.67	18.85	19.37	19.05
3	16QAM	15	0	21.29	21.54	21.55	18.67	18.92	18.93
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch23035/ 701.5MHz	POWER(dBm) Mid Ch23095/ 707.5MHz	POWER(dBm) High Ch23155/ 713.5MHz	ERP Low Ch23035/ 701.5MHz	ERP Mid Ch23095/ 707.5MHz	ERP High Ch23155/ 713.5MHz
5	QPSK	1	0	23.63	23.84	23.89	21.01	21.22	21.27
5	QPSK	1	12	23.64	23.88	24.41	21.02	21.26	21.79
5	QPSK	1	24	23.93	23.88	24.03	21.31	21.26	21.41
5	QPSK	12	0	22.26	22.4	22.38	19.64	19.78	19.76
5	QPSK	12	6	22.74	22.54	22.54	20.12	19.92	19.92
5	QPSK	12	13	22.48	22.7	22.8	19.86	20.08	20.18
5	QPSK	25	0	22.42	22.83	22.61	19.8	20.21	19.99
5	16QAM	1	0	23.59	23.85	23.3	20.97	21.23	20.68
5	16QAM	1	12	24.1	24.07	23.75	21.48	21.45	21.13
5	16QAM	1	24	23.86	24.02	23.96	21.24	21.4	21.34
5	16QAM	12	0	21.8	21.54	21.75	19.18	18.92	19.13
5	16QAM	12	6	21.56	21.68	21.83	18.94	19.06	19.21
5	16QAM	12	13	21.59	21.87	22.01	18.97	19.25	19.39
5	16QAM	25	0	21.52	21.95	21.77	18.9	19.33	19.15



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BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm)	POWER(dBm)	POWER(dBm)	ERP	ERP	ERP
				Low Ch23060/ 704MHz	Mid Ch23095/ 707.5MHz	High Ch23130/ 711MHz	Low Ch23060/ 704MHz	Mid Ch23095/ 707.5MHz	High Ch23130/ 711MHz
10	QPSK	1	0	22.84	22.13	22.31	20.22	19.51	19.69
10	QPSK	1	24	23.09	22.12	22.61	20.47	19.5	19.99
10	QPSK	1	49	22.54	22.41	22.33	19.92	19.79	19.71
10	QPSK	25	0	21.23	21.2	21.1	18.61	18.58	18.48
10	QPSK	25	12	21.05	21.25	21.33	18.43	18.63	18.71
10	QPSK	25	25	21.31	21.04	21.26	18.69	18.42	18.64
10	QPSK	50	0	21.05	21.07	21.82	18.43	18.45	19.2
10	16QAM	1	0	22.46	23.12	23.01	19.84	20.5	20.39
10	16QAM	1	24	22.67	23.09	23.35	20.05	20.47	20.73
10	16QAM	1	49	22.79	23	23.32	20.17	20.38	20.7
10	16QAM	25	0	20.57	21.21	21.1	17.95	18.59	18.48
10	16QAM	25	12	20.97	20.86	21.16	18.35	18.24	18.54
10	16QAM	25	25	20.66	20.99	21.09	18.04	18.37	18.47
10	16QAM	50	0	21.05	21.02	20.89	18.43	18.4	18.27



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Band XIII

BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm)	POWER(dBm)	POWER(dBm)	ERP	ERP	ERP
				Low Ch23205/ 779.5MHz	Mid Ch23230/ 782MHz	High Ch23255/ 784.5MHz	Low Ch23205/ 779.5MHz	Mid Ch23230/ 782MHz	High Ch23255/ 784.5MHz
5	QPSK	1	0	20.08	21.48	20.95	19.597	20.997	20.467
5	QPSK	1	12	21.93	21.15	21.04	21.447	20.667	20.557
5	QPSK	1	24	21.05	21.33	20.86	20.567	20.847	20.377
5	QPSK	12	0	20.96	20.16	19.94	20.477	19.677	19.457
5	QPSK	12	6	20.37	20.08	19.95	19.887	19.597	19.467
5	QPSK	12	13	20.07	19.96	19.93	19.587	19.477	19.447
5	QPSK	25	0	20.7	20.07	19.92	20.217	19.587	19.437
5	16QAM	1	0	19.77	21.33	20.66	19.287	20.847	20.177
5	16QAM	1	12	21.91	22.16	21.11	21.427	21.677	20.627
5	16QAM	1	24	20.76	21	20.37	20.277	20.517	19.887
5	16QAM	12	0	19.54	19.08	19.06	19.057	18.597	18.577
5	16QAM	12	6	19.3	19.13	19.07	18.817	18.647	18.587
5	16QAM	12	13	19.07	19.18	18.95	18.587	18.697	18.467
5	16QAM	25	0	19.96	19.17	18.94	19.477	18.687	18.457
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm)			ERP		
				Low&Mid&High Ch23230/782MHz			Mid Ch23230/782MHz		
10	QPSK	1	0	21.02			20.537		
10	QPSK	1	24	21.28			20.797		
10	QPSK	1	49	21.11			20.627		
10	QPSK	25	0	20.86			20.377		
10	QPSK	25	12	20.23			19.747		
10	QPSK	25	25	20.16			19.677		
10	QPSK	50	0	20.65			20.167		
10	16QAM	1	0	20.53			20.047		
10	16QAM	1	24	21.16			20.677		
10	16QAM	1	49	20.75			20.267		
10	16QAM	25	0	19.93			19.447		
10	16QAM	25	12	19.3			18.817		
10	16QAM	25	25	19.22			18.737		
10	16QAM	50	0	19.5			19.017		

Test equipment: ETSTW-GSM 002, ETSTW-GSM 004

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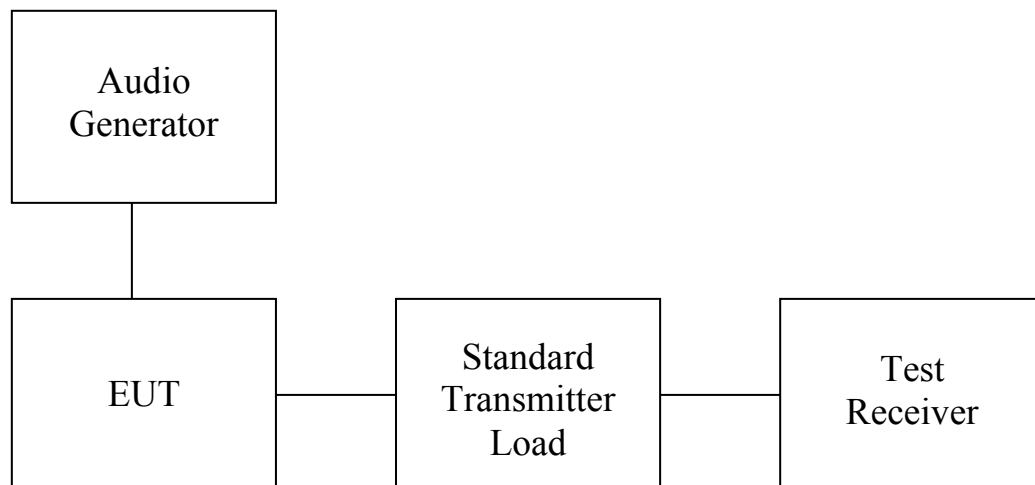
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4. Modulation Characteristics

4.1 Test procedure

- A curve or equivalent data showing the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz shall be submitted.
The audio signal generator is connected to the audio input of the EUT with its full rating. The modulation response is measured at certain modulation frequencies, related to 1000Hz reference signal. Tests are performed for positive and negative modulation.

- Equipment which employs modulation Limiting: A curve or family of curves showing the percentage of modulation versus the modulation input voltage shall be supplied. The audio signal generator is connected to the audio input of the EUT with its full rating. The modulation limiting is measured at certain modulation frequencies from 100Hz to 15kHz.



4.2 Test Results

For digital modulation employed, this test item is not applicable.

Report Number: W6M21903-18857-P-247

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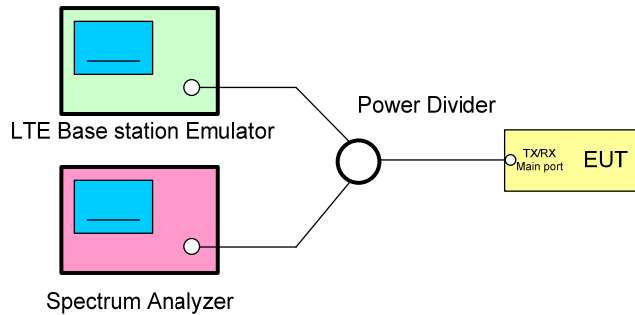
5. Peak-to-Average Ratio

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

5.1 Test procedure

1. The EUT main port was connected to the LTE emulator and spectrum analyzer via power divider
2. For Spectrum Analyzer setting :
3. Set the CCDF function in spectrum analyzer.
4. Set RBW \geq signal's occupied bandwidth.
5. Set the number of counts to a value that stabilizes the measured CCDF curve.
6. Set the measurement interval (sweep time) to 1ms.
7. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%
8. Record the deviation as Peak to Average Ratio.

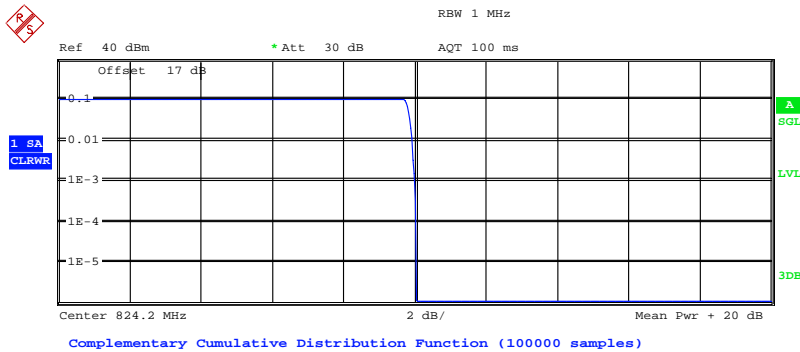
5.2 Test Set up



5.3 Test Results

GSM

Band 850 MHz



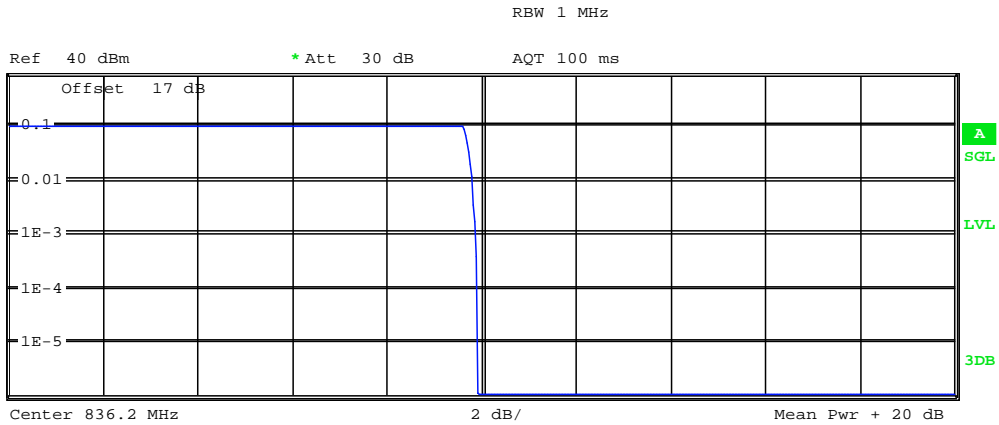
Trace 1	
Mean	21.50 dBm
Peak	31.53 dBm
Crest	10.02 dB
10 %	9.71 dB
1 %	9.94 dB
.1 %	10.00 dB
.01 %	10.06 dB

Date: 19.APR.2019 14:43:49



Report Number: W6M21903-18857-P-247

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Complementary Cumulative Distribution Function (100000 samples)

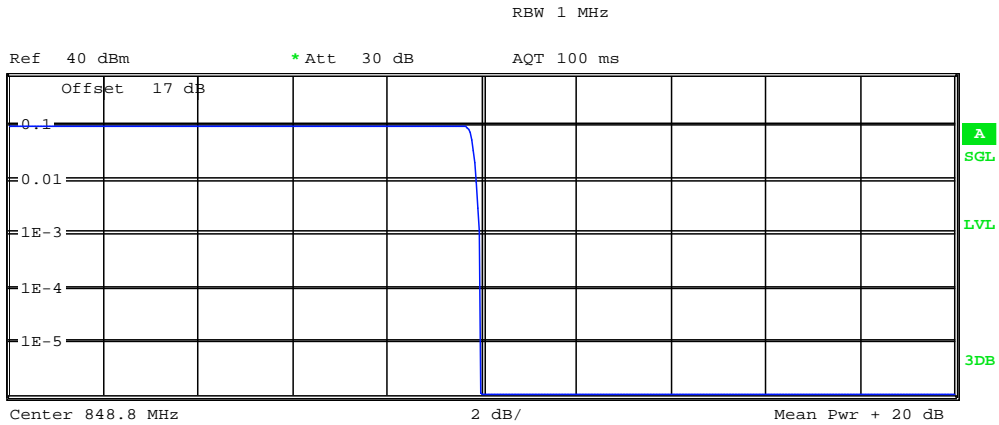
Trace 1	
Mean	21.77 dBm
Peak	31.67 dBm
Crest	9.90 dB
10 %	9.62 dB
1 %	9.81 dB
.1 %	9.90 dB
.01 %	9.94 dB

Date: 19.APR.2019 14:44:42



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	21.49 dBm
Peak	31.46 dBm
Crest	9.97 dB
10 %	9.71 dB
1 %	9.90 dB
.1 %	9.97 dB
.01 %	10.00 dB

Date: 19.APR.2019 14:45:18



Worldwide Testing Services(Taiwan) Co., Ltd.

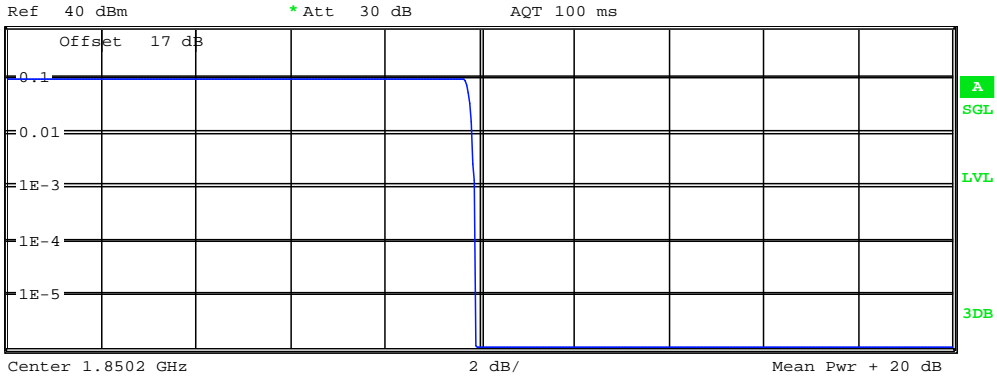
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band 1900 MHz



RBW 1 MHz



Complementary Cumulative Distribution Function (100000 samples)

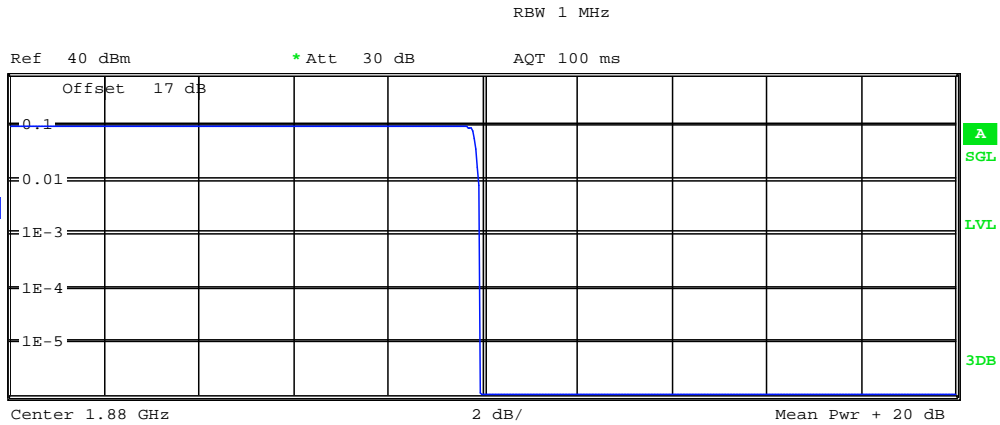
Trace 1	
Mean	16.95 dBm
Peak	26.87 dBm
Crest	9.92 dB
10 %	9.68 dB
1 %	9.84 dB
.1 %	9.90 dB
.01 %	9.94 dB

Date: 19.APR.2019 14:46:35



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

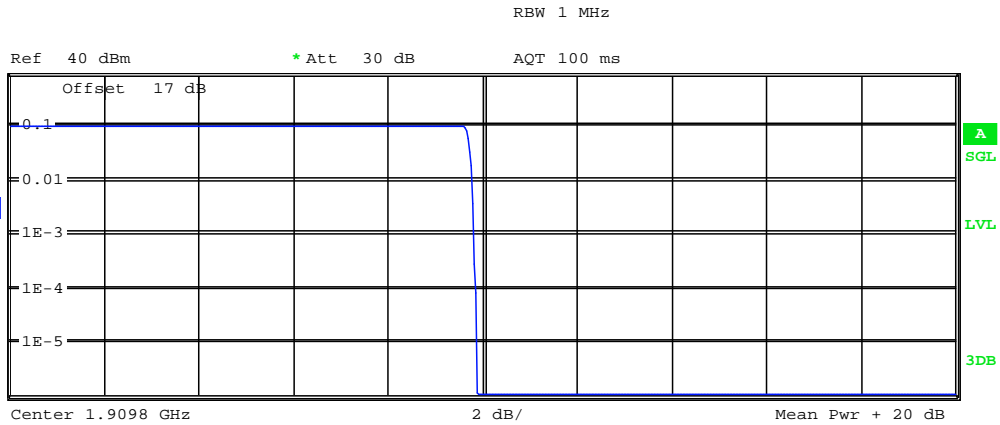
Trace 1	
Mean	17.21 dBm
Peak	27.15 dBm
Crest	9.95 dB
10 %	9.74 dB
1 %	9.94 dB
.1 %	9.97 dB
.01 %	9.97 dB

Date: 19.APR.2019 14:47:53



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	16.79 dBm
Peak	26.66 dBm
Crest	9.87 dB
10 %	9.62 dB
1 %	9.81 dB
.1 %	9.84 dB
.01 %	9.87 dB

Date: 19.APR.2019 14:48:42



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

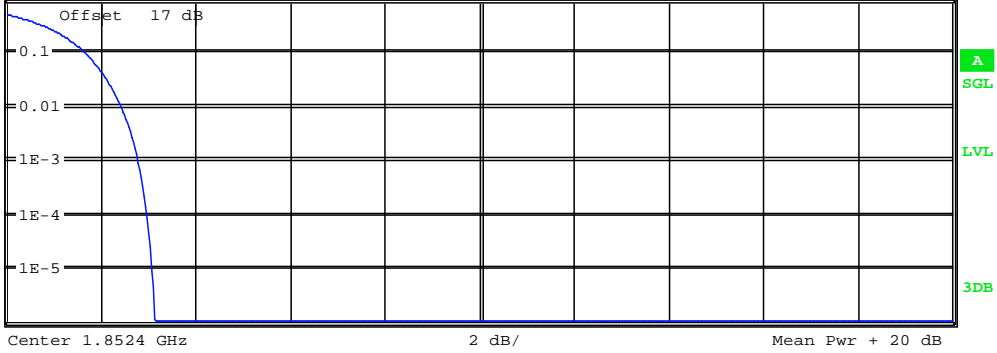
WCDMA

Band II



RBW 5 MHz

Ref 40 dBm *Att 20 dB AQT 12.5 ms



Complementary Cumulative Distribution Function (100000 samples)

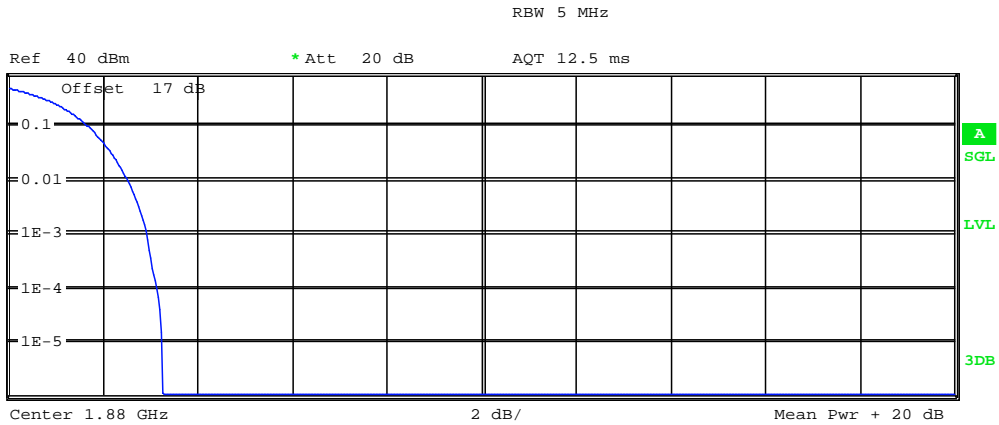
Trace 1	
Mean	21.77 dBm
Peak	24.91 dBm
Crest	3.14 dB
10 %	1.67 dB
1 %	2.44 dB
.1 %	2.79 dB
.01 %	2.98 dB

Date: 19.APR.2019 15:48:14



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

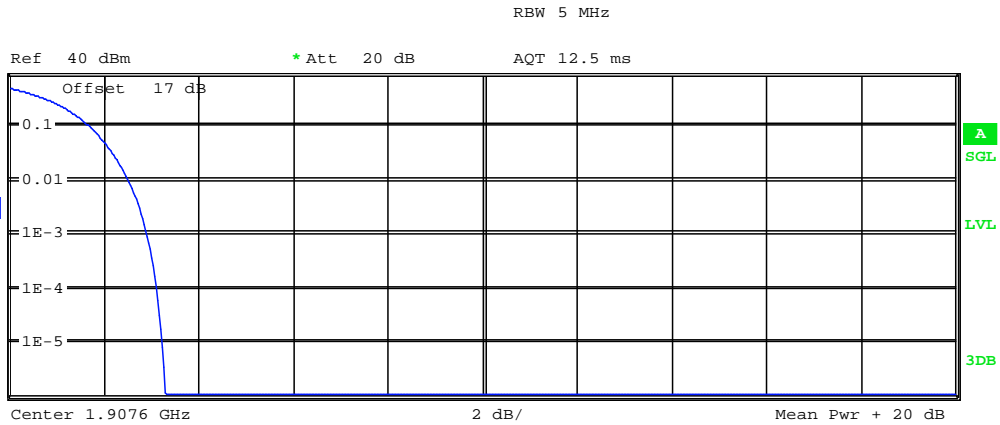
Trace 1	
Mean	21.94 dBm
Peak	25.19 dBm
Crest	3.25 dB
10 %	1.70 dB
1 %	2.53 dB
.1 %	2.92 dB
.01 %	3.14 dB

Date: 19.APR.2019 15:48:48



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	20.57 dBm
Peak	23.85 dBm
Crest	3.29 dB
10 %	1.70 dB
1 %	2.50 dB
.1 %	2.92 dB
.01 %	3.11 dB

Date: 19.APR.2019 15:49:19



Worldwide Testing Services(Taiwan) Co., Ltd.

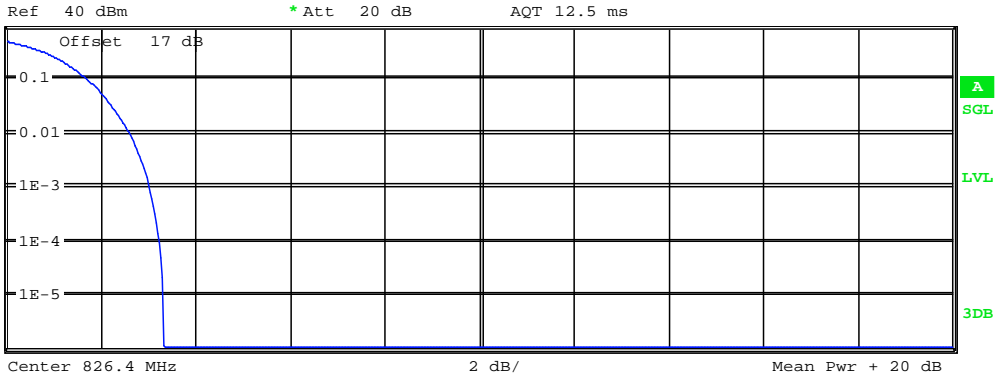
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band V



RBW 5 MHz



Complementary Cumulative Distribution Function (100000 samples)

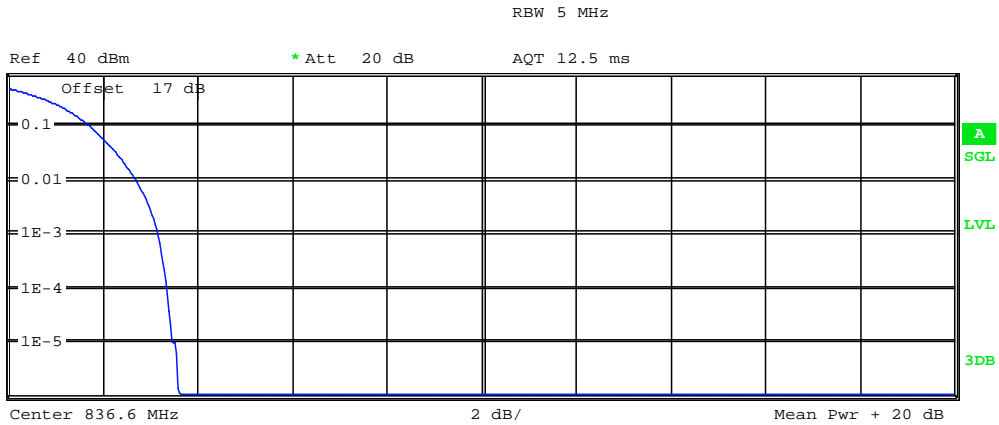
Trace 1	
Mean	21.94 dBm
Peak	25.26 dBm
Crest	3.32 dB
10 %	1.70 dB
1 %	2.60 dB
.1 %	3.01 dB
.01 %	3.24 dB

Date: 19.APR.2019 15:45:32



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

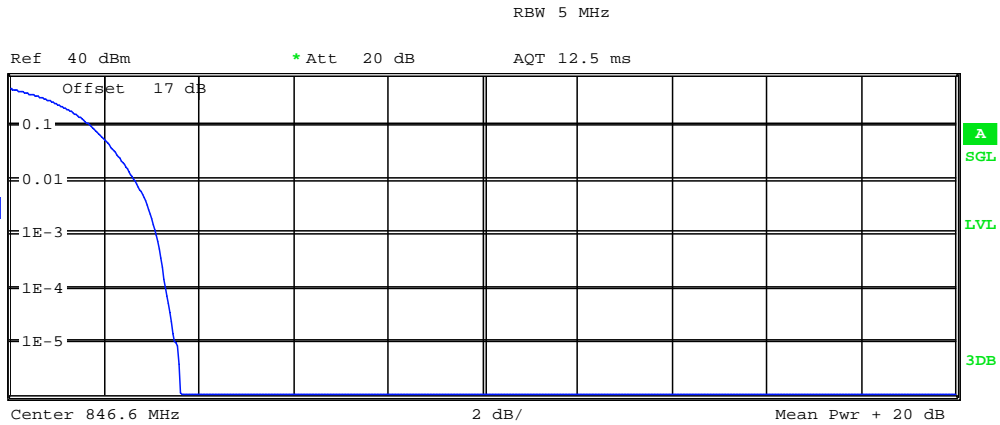
Mean	21.60 dBm
Peak	25.19 dBm
Crest	3.59 dB
10 %	1.73 dB
1 %	2.69 dB
.1 %	3.17 dB
.01 %	3.37 dB

Date: 19.APR.2019 15:46:45



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Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	21.79 dBm
Peak	25.40 dBm
Crest	3.61 dB
10 %	1.73 dB
1 %	2.63 dB
.1 %	3.11 dB
.01 %	3.30 dB

Date: 19.APR.2019 15:47:37



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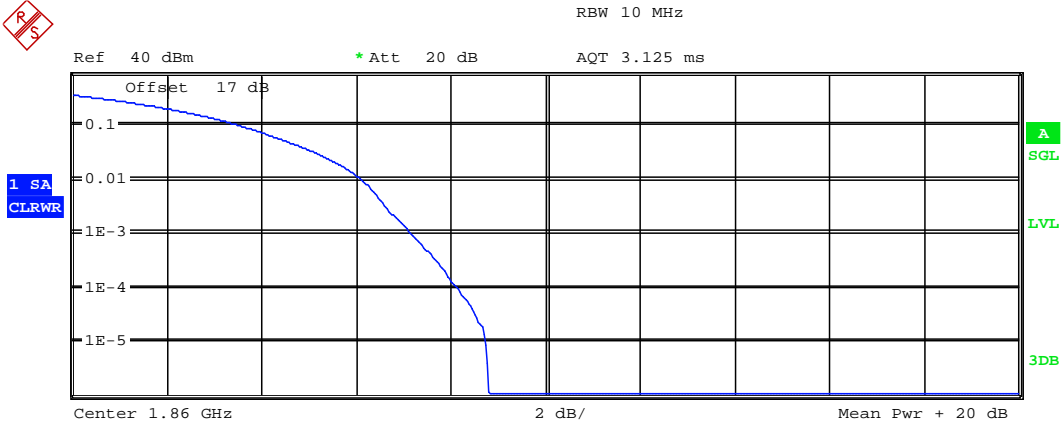
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

LTE

Band II

FRB



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	15.62 dBm
Peak	24.42 dBm
Crest	8.80 dB
10 %	3.59 dB
1 %	6.12 dB
.1 %	7.18 dB
.01 %	8.14 dB

Date: 19.APR.2019 16:11:03

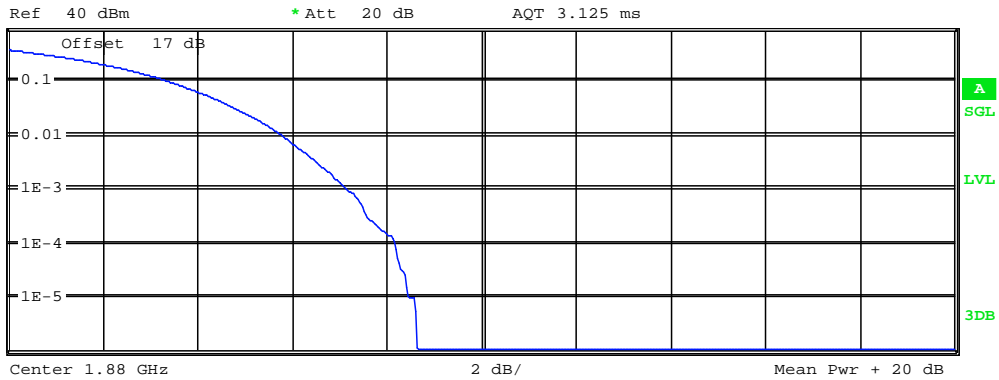


Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



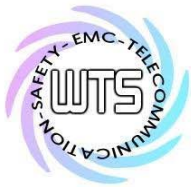
RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	15.70 dBm
Peak	24.35 dBm
Crest	8.65 dB
10 %	3.43 dB
1 %	5.80 dB
.1 %	7.15 dB
.01 %	8.17 dB

Date: 19.APR.2019 16:13:21

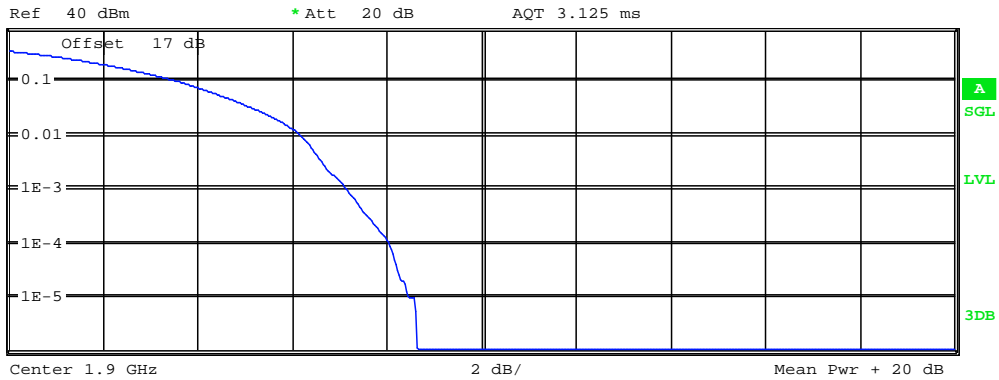


Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	16.48 dBm
Peak	25.12 dBm
Crest	8.64 dB
10 %	3.65 dB
1 %	6.19 dB
.1 %	7.15 dB
.01 %	8.04 dB

Date: 19.APR.2019 16:14:06

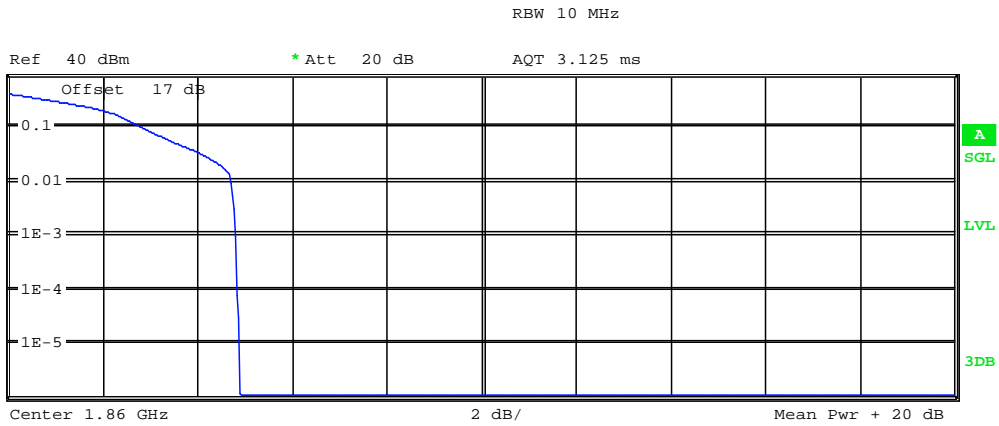


Worldwide Testing Services(Taiwan) Co., Ltd.

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FCC ID: YY3-182010

1RB



Complementary Cumulative Distribution Function (100000 samples)

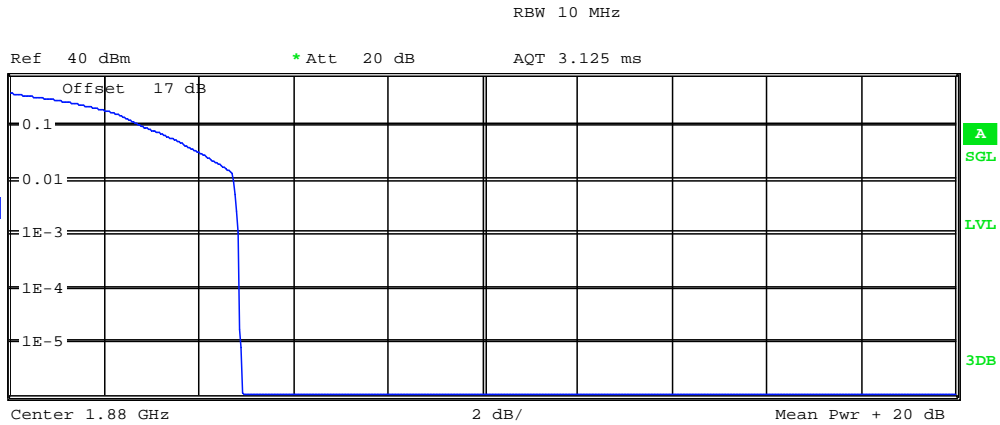
Trace 1	
Mean	19.39 dBm
Peak	24.28 dBm
Crest	4.88 dB
10 %	2.82 dB
1 %	4.71 dB
.1 %	4.81 dB
.01 %	4.84 dB

Date: 19.APR.2019 16:12:08



Report Number: W6M21903-18857-P-247

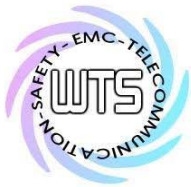
FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	19.28 dBm
Peak	24.21 dBm
Crest	4.92 dB
10 %	2.85 dB
1 %	4.74 dB
.1 %	4.84 dB
.01 %	4.87 dB

Date: 19.APR.2019 16:12:55

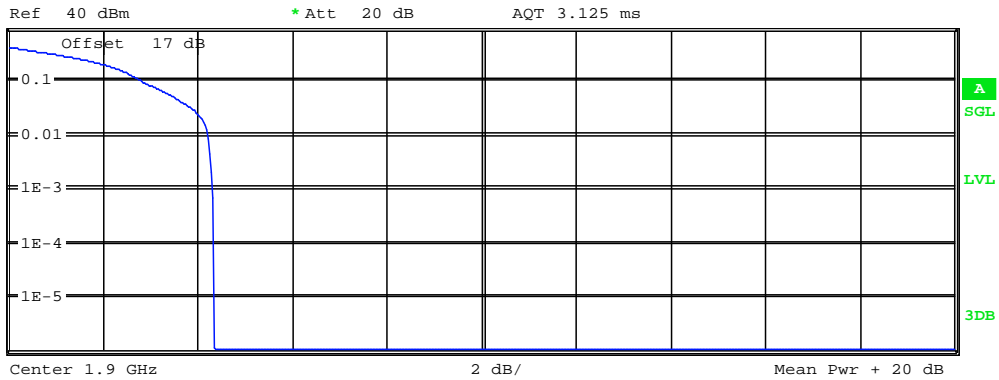


Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

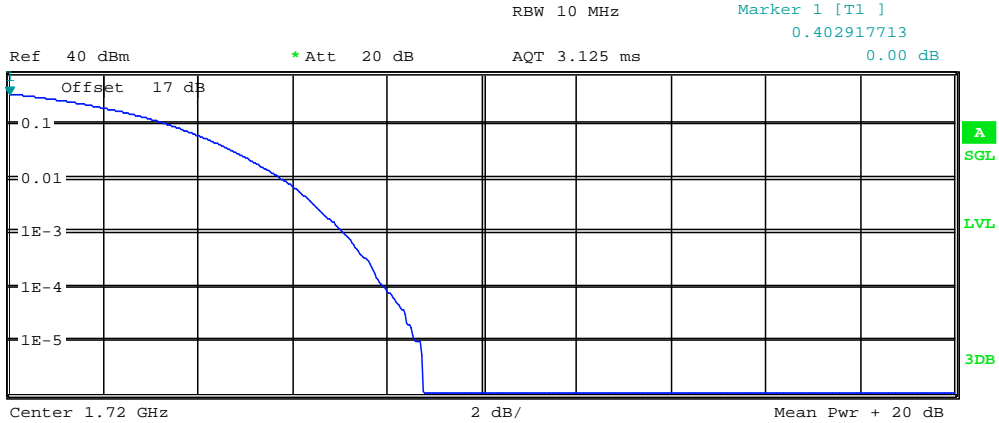
Trace 1	
Mean	19.80 dBm
Peak	24.13 dBm
Crest	4.34 dB
10 %	2.85 dB
1 %	4.23 dB
.1 %	4.33 dB
.01 %	4.36 dB

Date: 19.APR.2019 16:14:34



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010
 Band IV
 FRB



Complementary Cumulative Distribution Function (100000 samples)

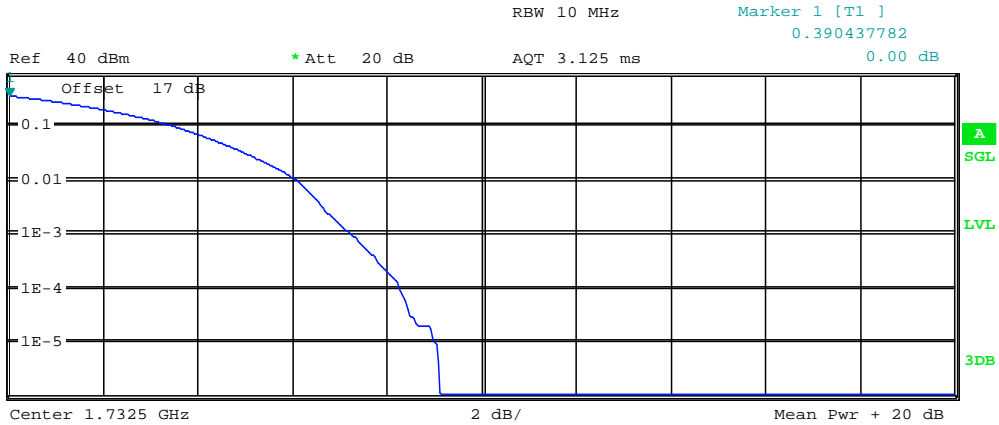
Trace 1	
Mean	16.07 dBm
Peak	24.84 dBm
Crest	8.77 dB
10 %	3.46 dB
1 %	5.77 dB
.1 %	7.08 dB
.01 %	7.95 dB

Date: 19.APR.2019 16:17:55



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

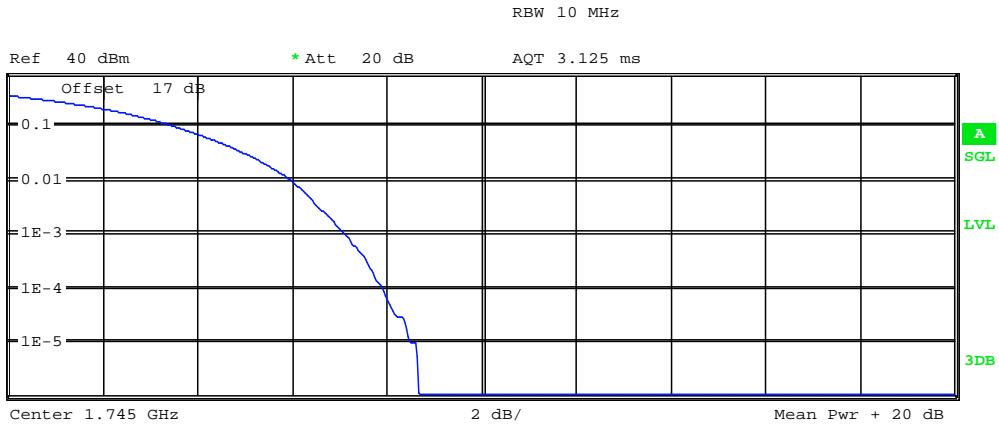
Trace 1	
Mean	16.15 dBm
Peak	25.26 dBm
Crest	9.12 dB
10 %	3.56 dB
1 %	6.09 dB
.1 %	7.24 dB
.01 %	8.27 dB

Date: 19.APR.2019 16:18:26



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	16.45 dBm
Peak	25.12 dBm
Crest	8.68 dB
10 %	3.56 dB
1 %	5.96 dB
.1 %	7.12 dB
.01 %	7.92 dB

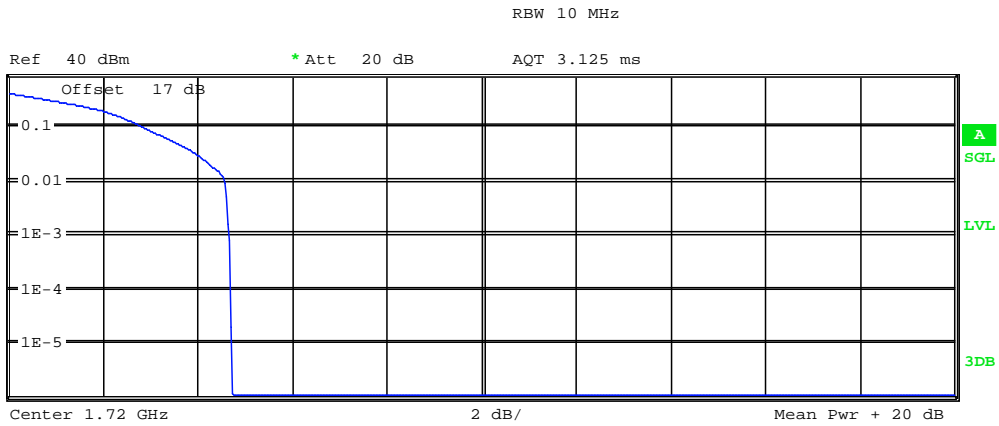
Date: 19.APR.2019 16:19:47



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

1RB



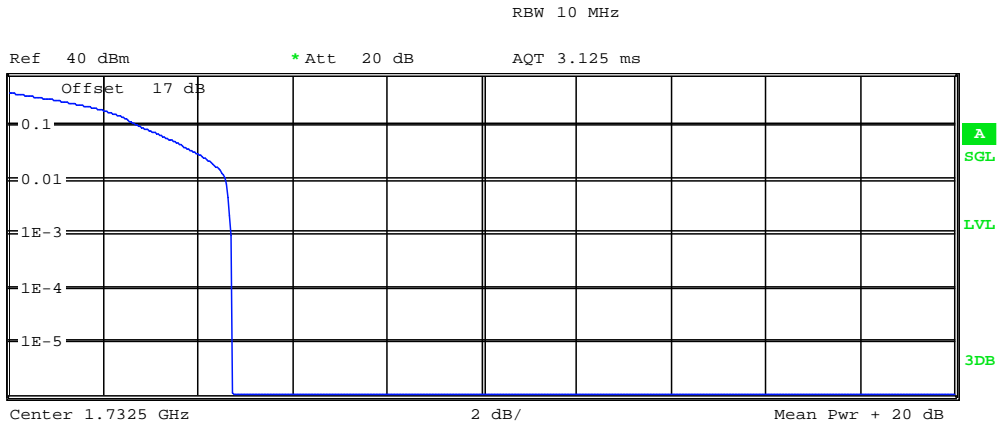
Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	19.71 dBm
Peak	24.42 dBm
Crest	4.70 dB
10 %	2.85 dB
1 %	4.58 dB
.1 %	4.68 dB
.01 %	4.71 dB

Date: 19.APR.2019 16:17:31



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



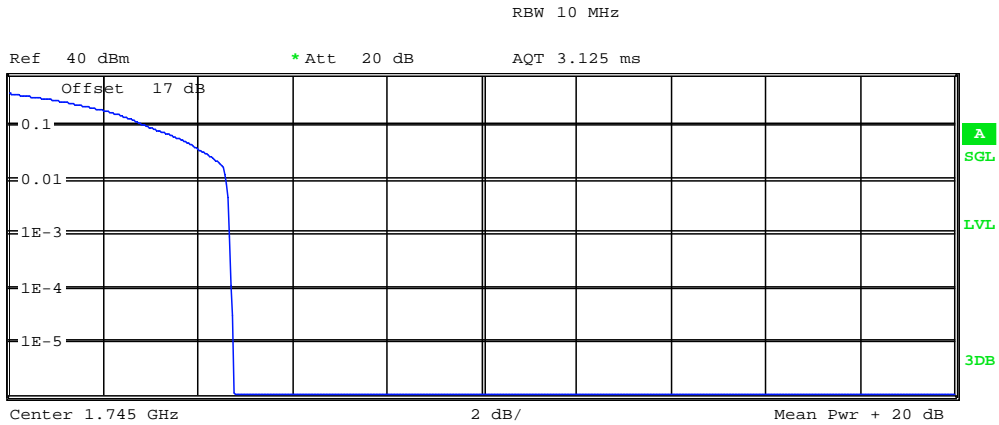
Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	19.90 dBm
Peak	24.63 dBm
Crest	4.73 dB
10 %	2.82 dB
1 %	4.58 dB
.1 %	4.71 dB
.01 %	4.74 dB

Date: 19.APR.2019 16:18:53



Report Number: W6M21903-18857-P-247
FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	19.81 dBm
Peak	24.56 dBm
Crest	4.75 dB
10 %	2.98 dB
1 %	4.62 dB
.1 %	4.68 dB
.01 %	4.71 dB

Date: 19.APR.2019 16:19:21



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

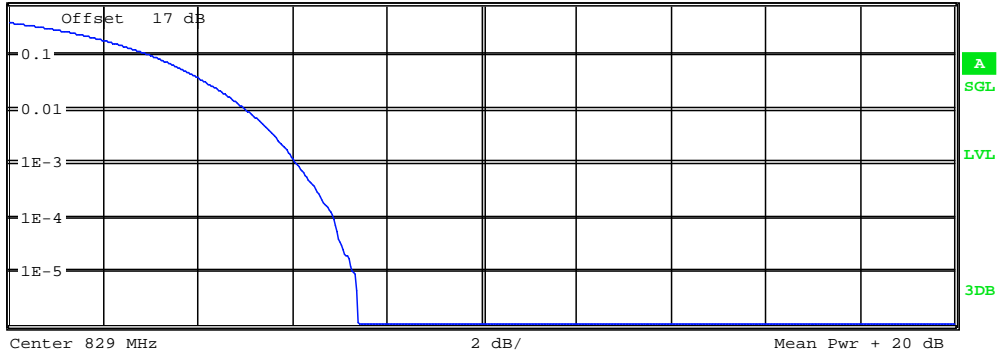
Band V

FRB



RBW 10 MHz

Ref 40 dBm *Att 20 dB AQT 3.125 ms



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	18.30 dBm
Peak	25.69 dBm
Crest	7.39 dB
10 %	3.08 dB
1 %	5.03 dB
.1 %	6.09 dB
.01 %	6.86 dB

Date: 19.APR.2019 16:21:23

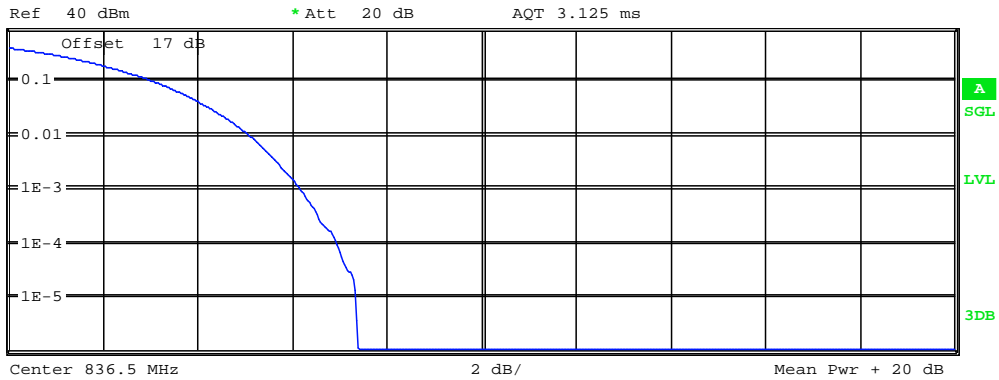


Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	18.31 dBm
Peak	25.69 dBm
Crest	7.37 dB
10 %	3.11 dB
1 %	5.10 dB
.1 %	6.15 dB
.01 %	6.96 dB

Date: 19.APR.2019 16:22:50

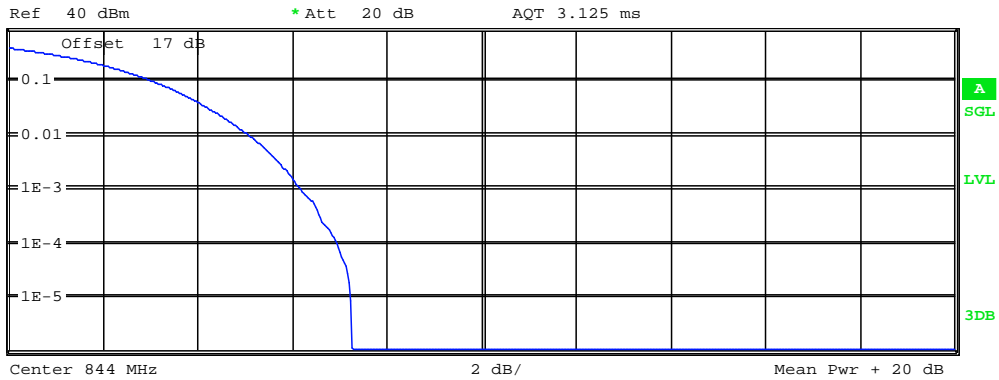


Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	18.36 dBm
Peak	25.62 dBm
Crest	7.26 dB
10 %	3.11 dB
1 %	5.10 dB
.1 %	6.19 dB
.01 %	6.96 dB

Date: 19.APR.2019 16:23:18

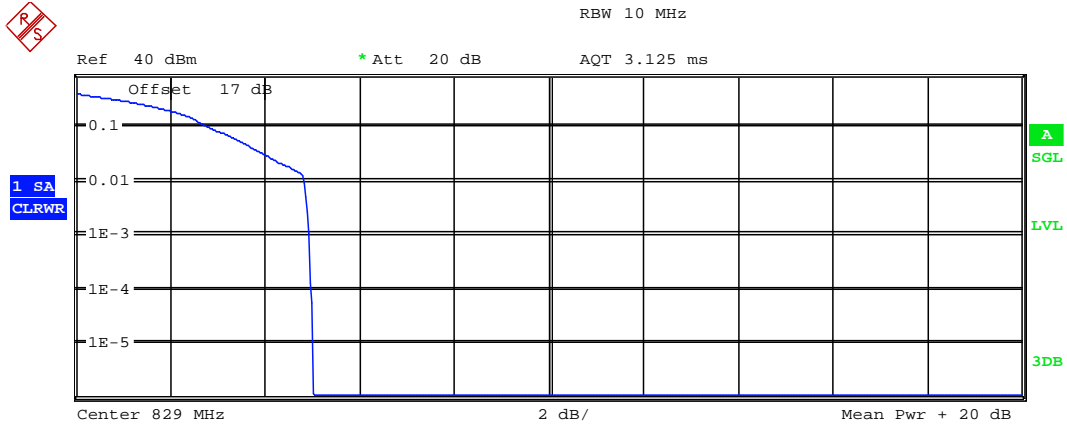


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

1RB



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	20.03 dBm
Peak	25.05 dBm
Crest	5.02 dB
10 %	2.85 dB
1 %	4.84 dB
.1 %	4.94 dB
.01 %	4.97 dB

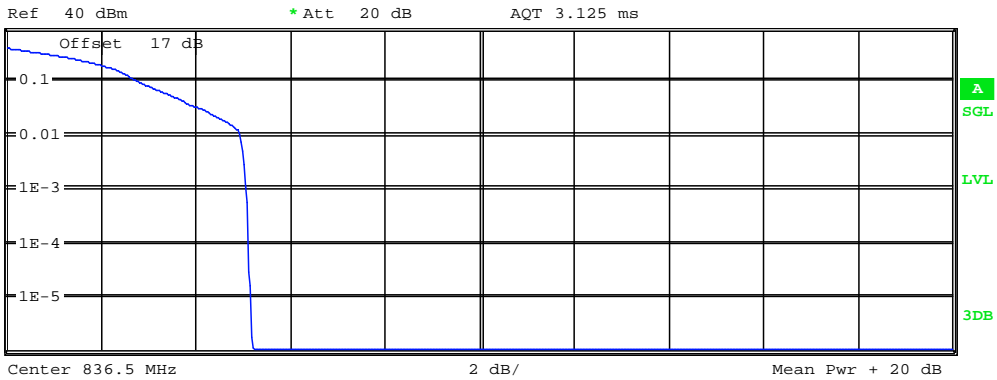
Date: 19.APR.2019 16:21:49



Report Number: W6M21903-18857-P-247
FCC ID: YY3-182010



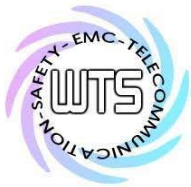
RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	20.01 dBm
Peak	25.19 dBm
Crest	5.19 dB
10 %	2.82 dB
1 %	4.94 dB
.1 %	5.06 dB
.01 %	5.13 dB

Date: 19.APR.2019 16:22:25

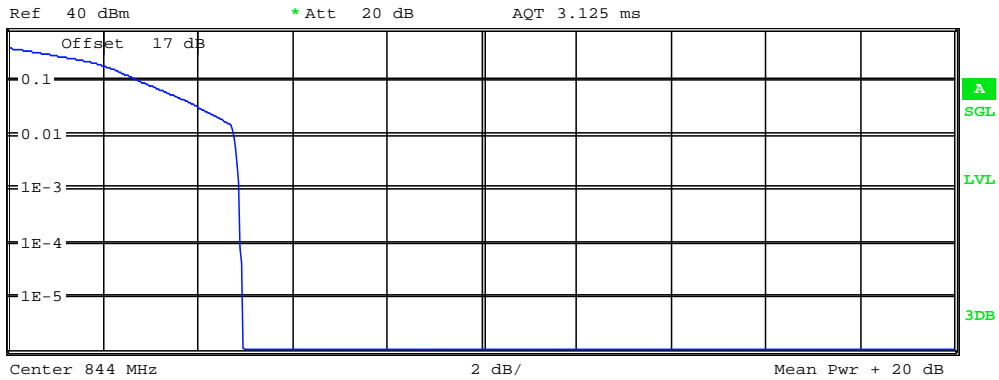


Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	20.23 dBm
Peak	25.19 dBm
Crest	4.96 dB
10 %	2.82 dB
1 %	4.78 dB
.1 %	4.87 dB
.01 %	4.90 dB

Date: 19.APR.2019 16:23:43



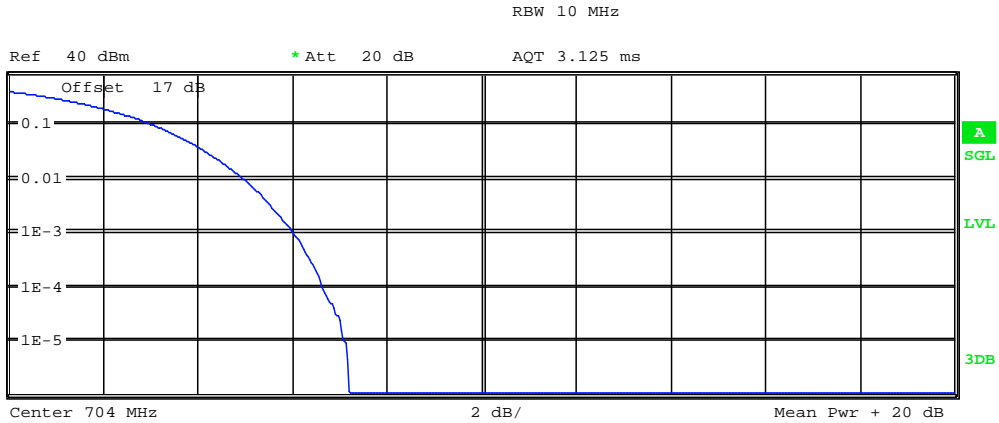
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band XII

FRB



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	19.48 dBm
Peak	26.67 dBm
Crest	7.20 dB
10 %	3.11 dB
1 %	4.97 dB
.1 %	6.03 dB
.01 %	6.63 dB

Date: 19.APR.2019 16:24:54

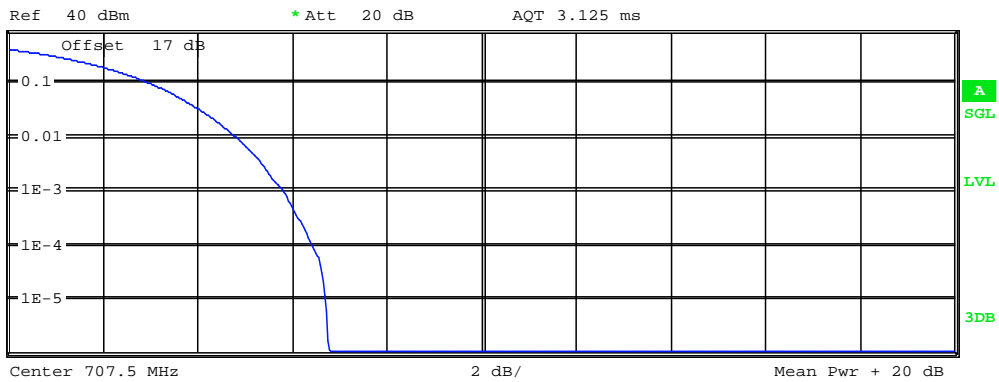


Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

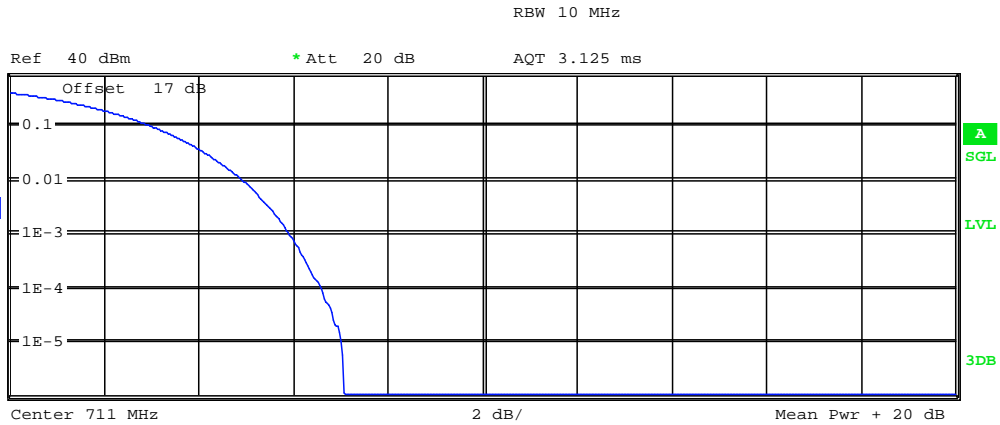
Trace 1	
Mean	19.63 dBm
Peak	26.39 dBm
Crest	6.76 dB
10 %	3.01 dB
1 %	4.81 dB
.1 %	5.80 dB
.01 %	6.41 dB

Date: 19.APR.2019 16:25:19



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	19.53 dBm
Peak	26.60 dBm
Crest	7.08 dB
10 %	3.04 dB
1 %	4.94 dB
.1 %	5.93 dB
.01 %	6.60 dB

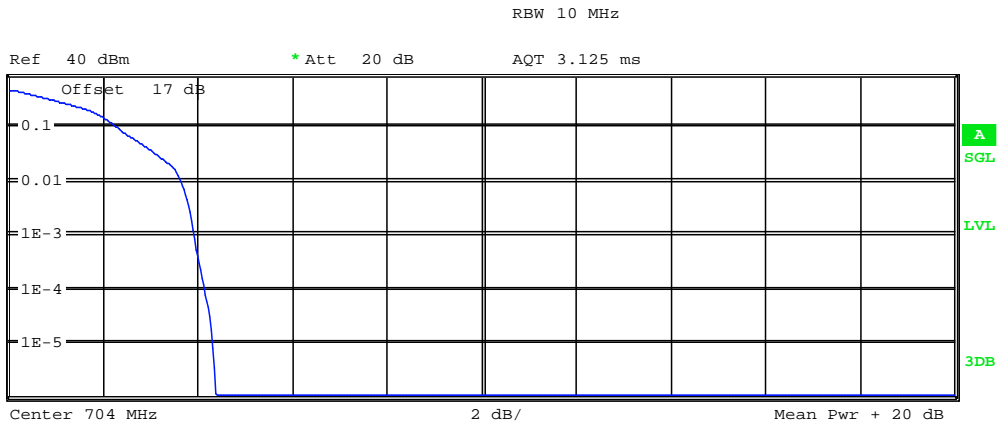
Date: 19.APR.2019 16:26:25



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

1RB



Complementary Cumulative Distribution Function (100000 samples)

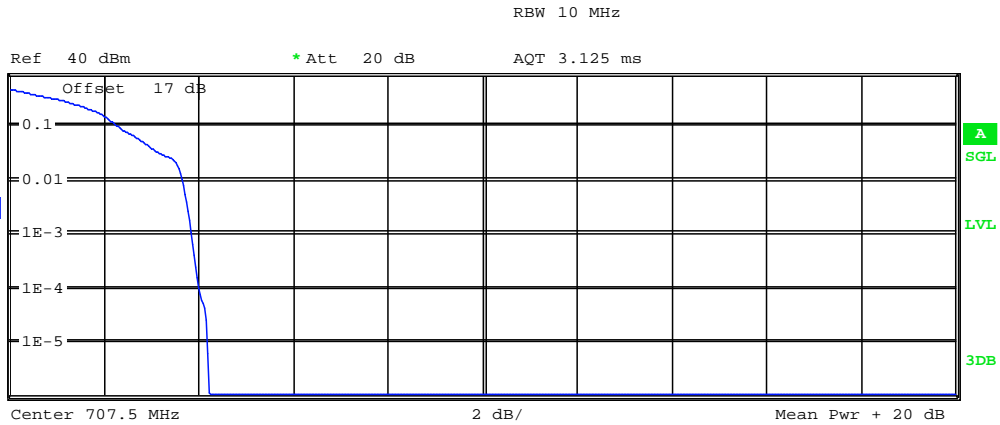
Trace 1	
Mean	21.66 dBm
Peak	26.04 dBm
Crest	4.37 dB
10 %	2.31 dB
1 %	3.65 dB
.1 %	3.94 dB
.01 %	4.13 dB

Date: 19.APR.2019 16:24:30



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	21.63 dBm
Peak	25.83 dBm
Crest	4.20 dB
10 %	2.31 dB
1 %	3.65 dB
.1 %	3.85 dB
.01 %	4.01 dB

Date: 19.APR.2019 16:25:40

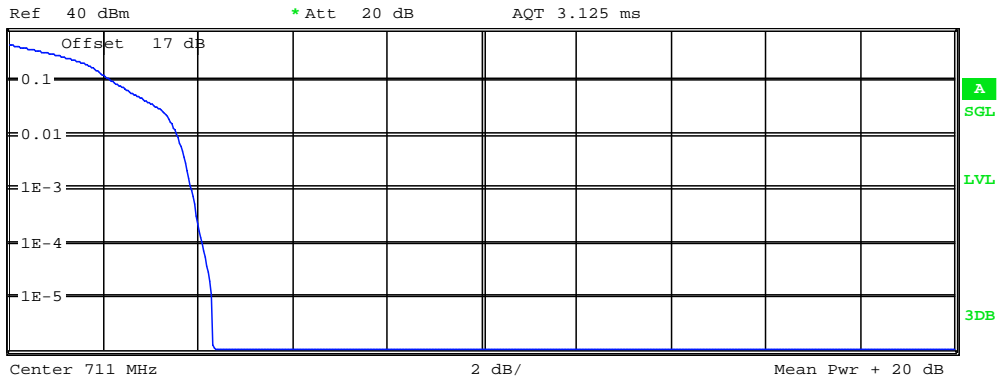


Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	21.79 dBm
Peak	26.11 dBm
Crest	4.32 dB
10 %	2.21 dB
1 %	3.56 dB
.1 %	3.88 dB
.01 %	4.10 dB

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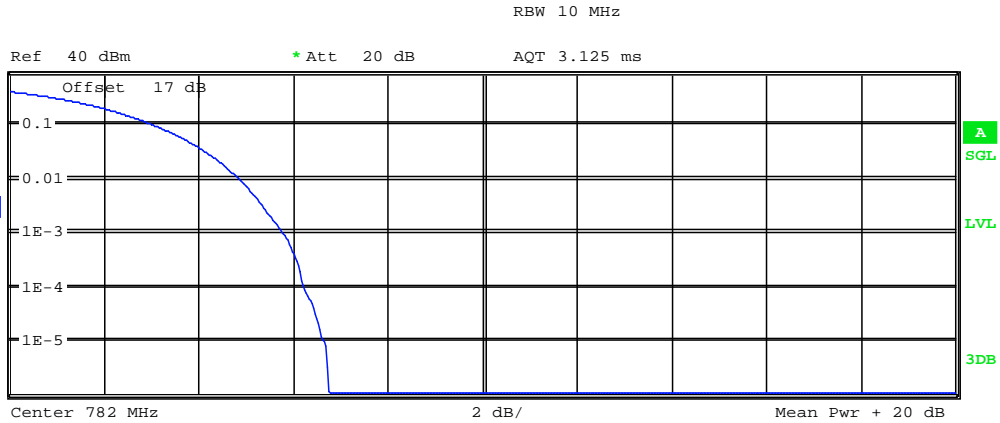
Worldwide Testing Services(Taiwan) Co., Ltd.

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FCC ID: YY3-182010

Band XIII

FRB



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	18.17 dBm
Peak	24.91 dBm
Crest	6.74 dB
10 %	3.08 dB
1 %	4.87 dB
.1 %	5.77 dB
.01 %	6.22 dB

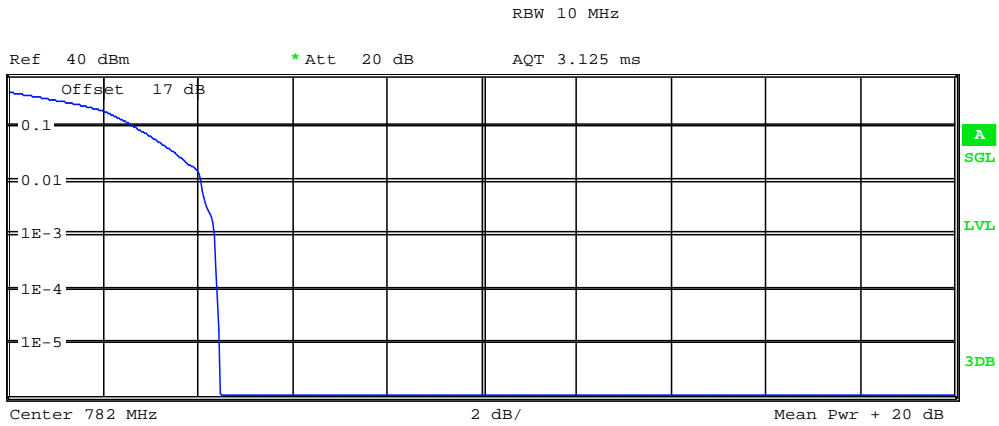
Date: 19.APR.2019 16:27:05



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

1RB



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	19.53 dBm
Peak	23.99 dBm
Crest	4.46 dB
10 %	2.69 dB
1 %	4.07 dB
.1 %	4.36 dB
.01 %	4.42 dB

Date: 19.APR.2019 16:27:28

Limit according to FCC §24.232 and §27.50, The peak-to-average ratio(PAR) of the transmission may not exceed 13dB.

Test equipment: ETSTW-RE 055, ETSTW-GSM 002, ETSTW-GSM 023, ETSTW-GSM 004

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

6. Occupied Bandwidth

The occupied bandwidth (OBW) is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to a specified percentage 0.5% of the total mean transmitted power.

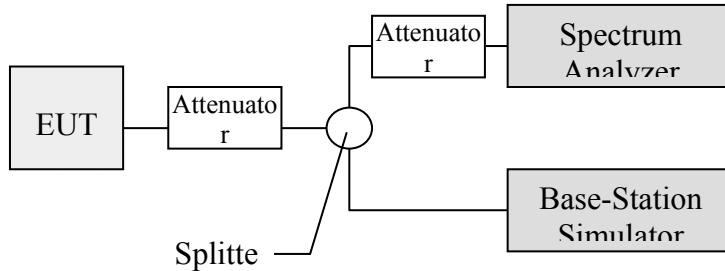
The 26 dB occupied bandwidth is the width of a frequency band such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal 26 dB.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

6.1 Test procedure

The RF output of the transceiver was connected as the following figure.

Occupied Bandwidth was measured with a occupied bandwidth function of the analyzer at 99% power was occupied. Then set the spectrum analyzer to cover the upper and lower band edges to measure emission mask.

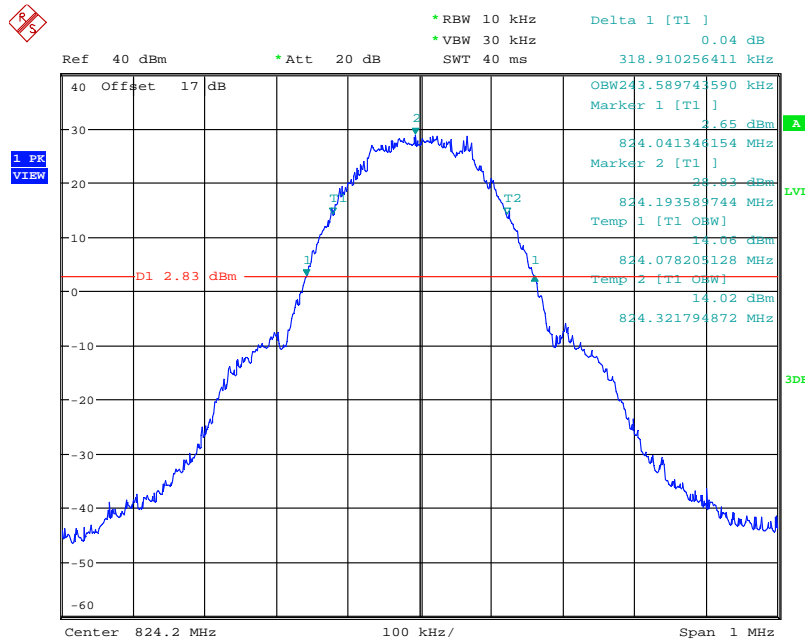


6.2 Test Results

Occupied Channel Bandwidth

GSM

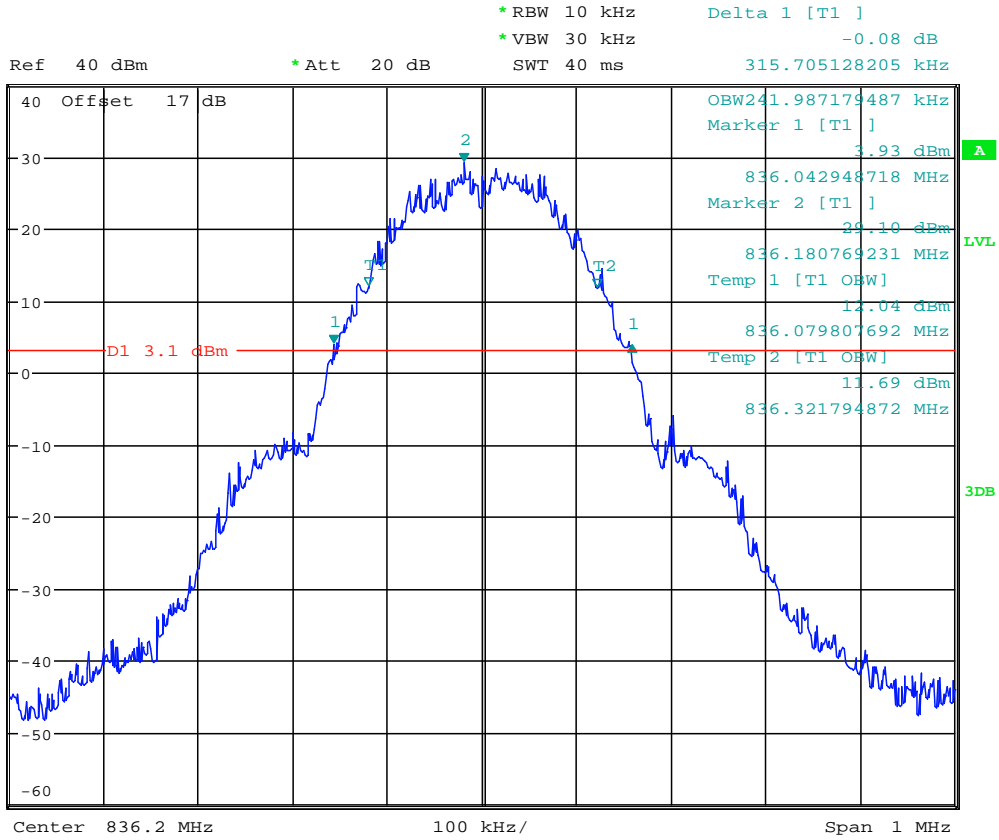
Band 850 MHz



Date: 19.APR.2019 15:00:47



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010

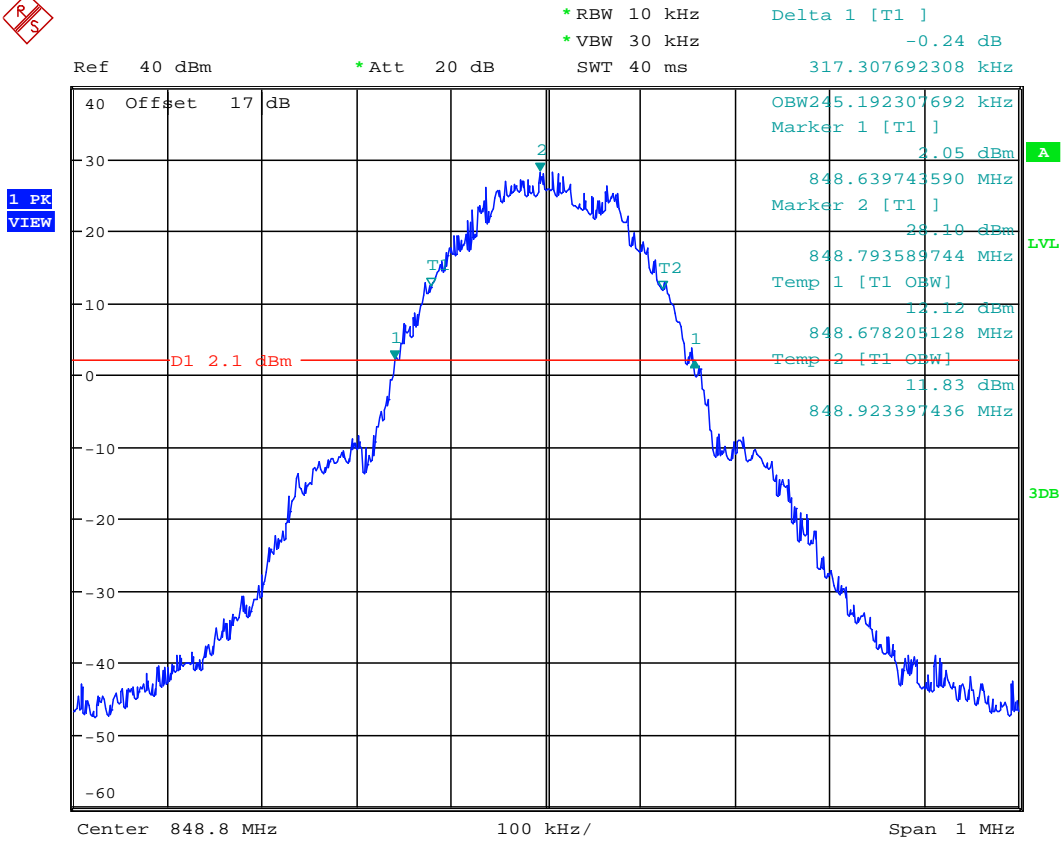


Date: 19.APR.2019 15:01:42



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Date: 19.APR.2019 15:03:10

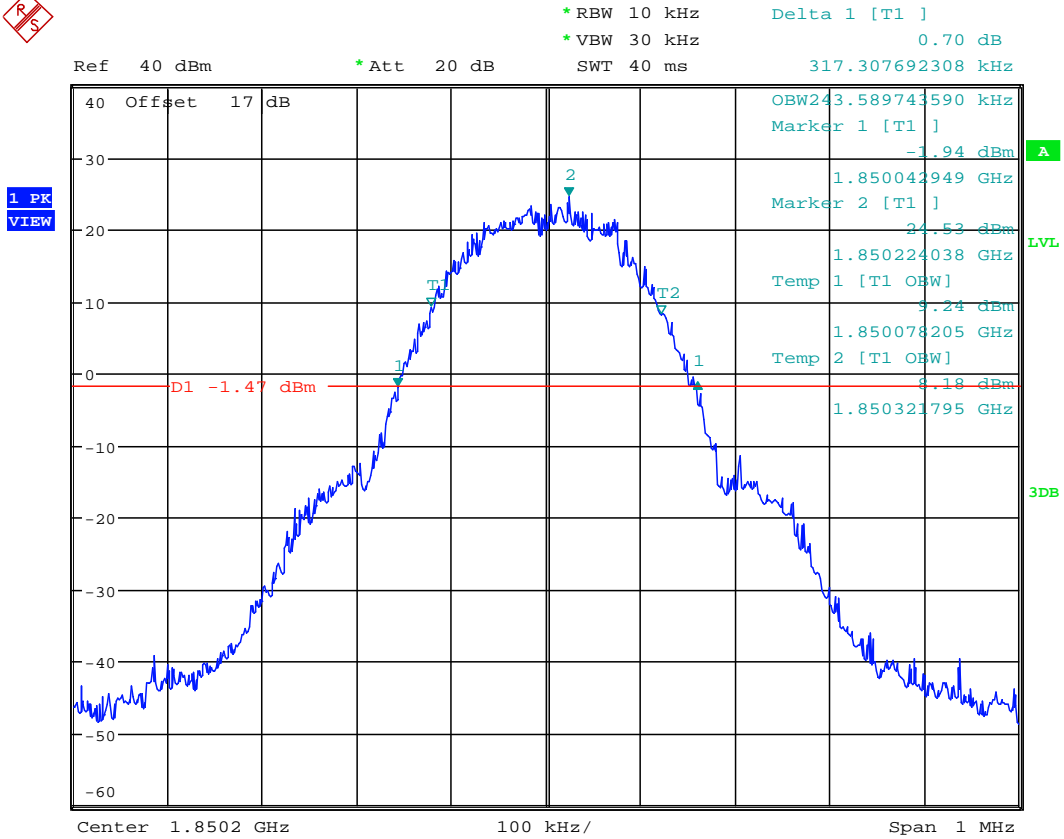


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

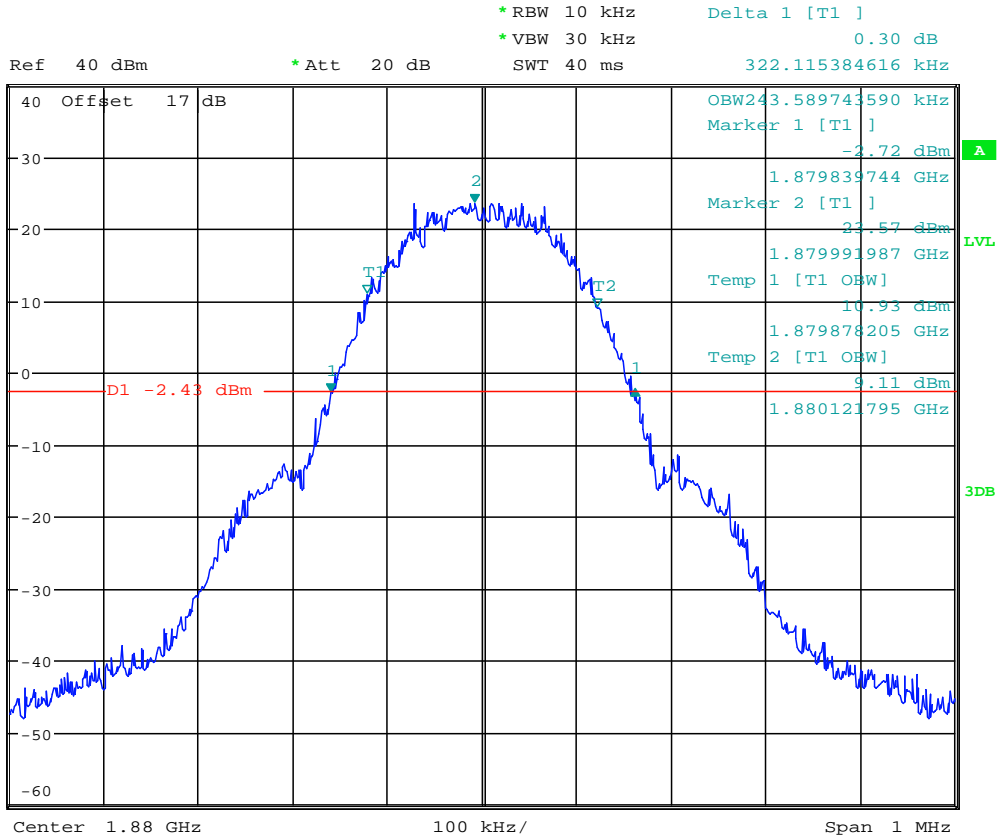
Band 1900 MHz



Date: 19.APR.2019 14:56:52



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010

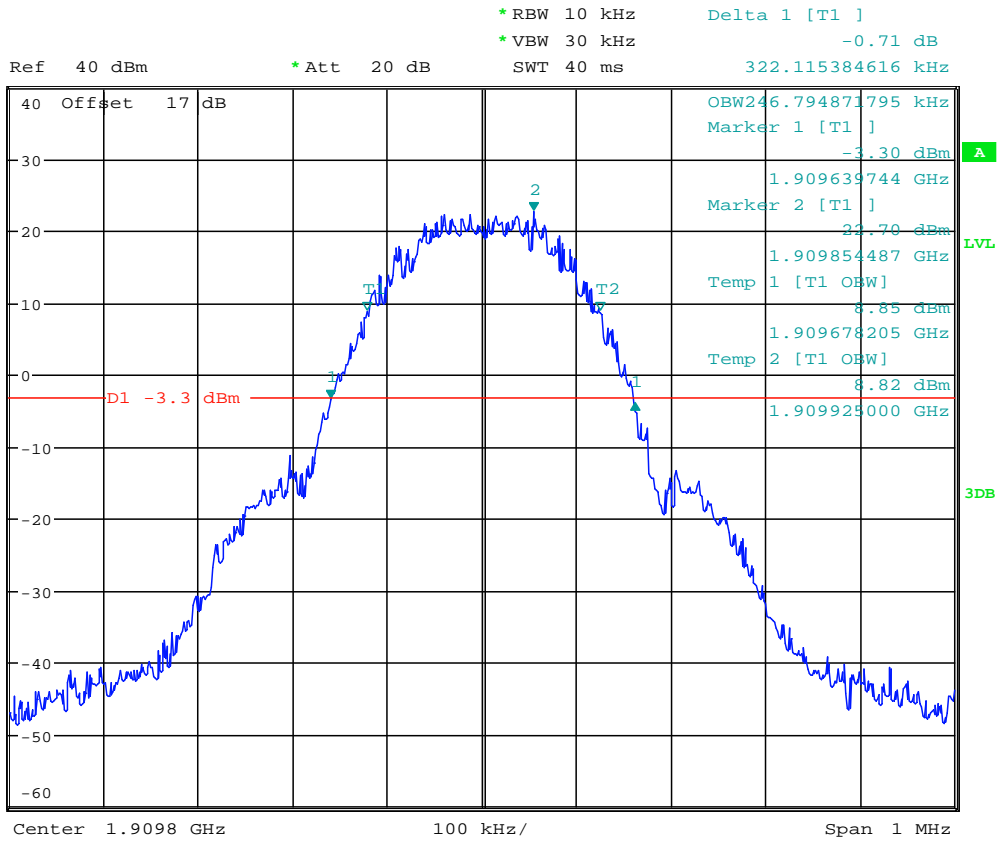


Date: 19.APR.2019 14:55:37



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Date: 19.APR.2019 14:54:22



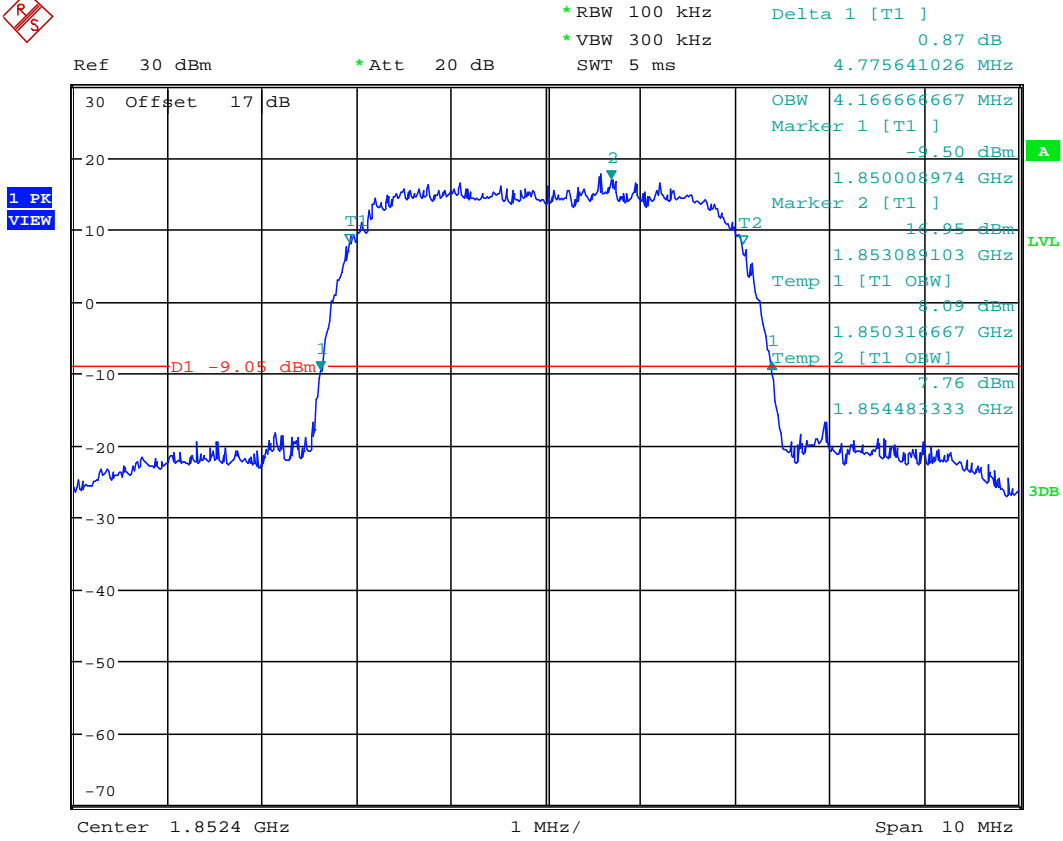
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

WCDMA

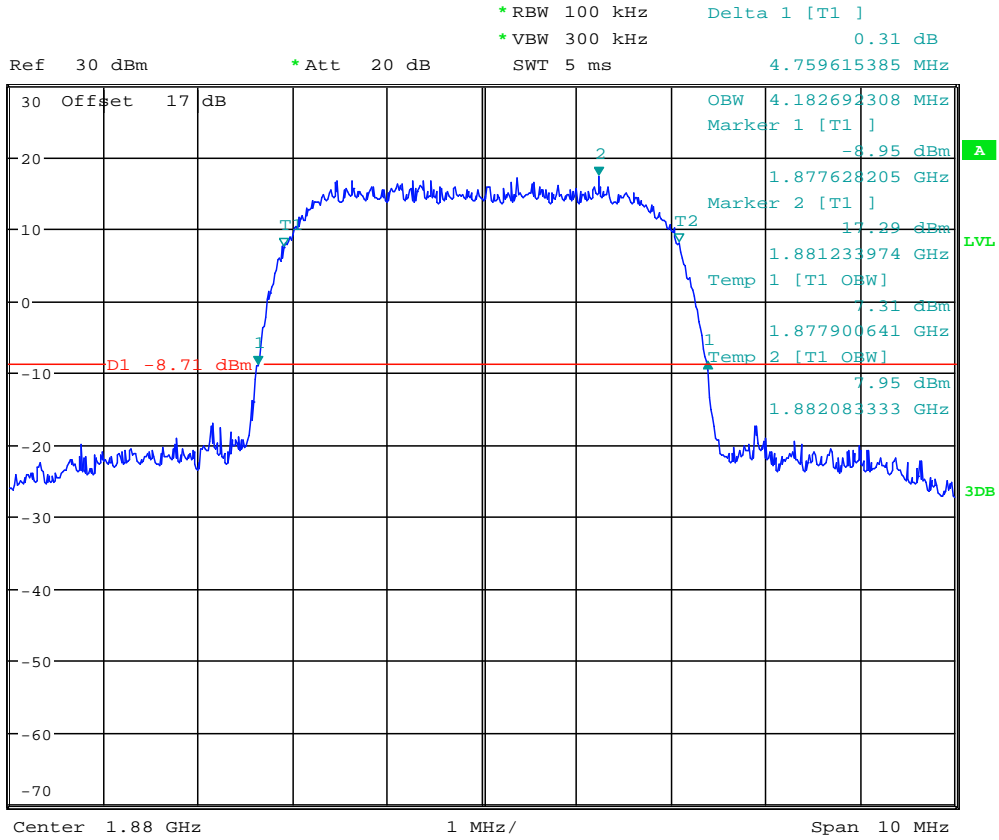
Band II



Date: 19.APR.2019 15:21:01



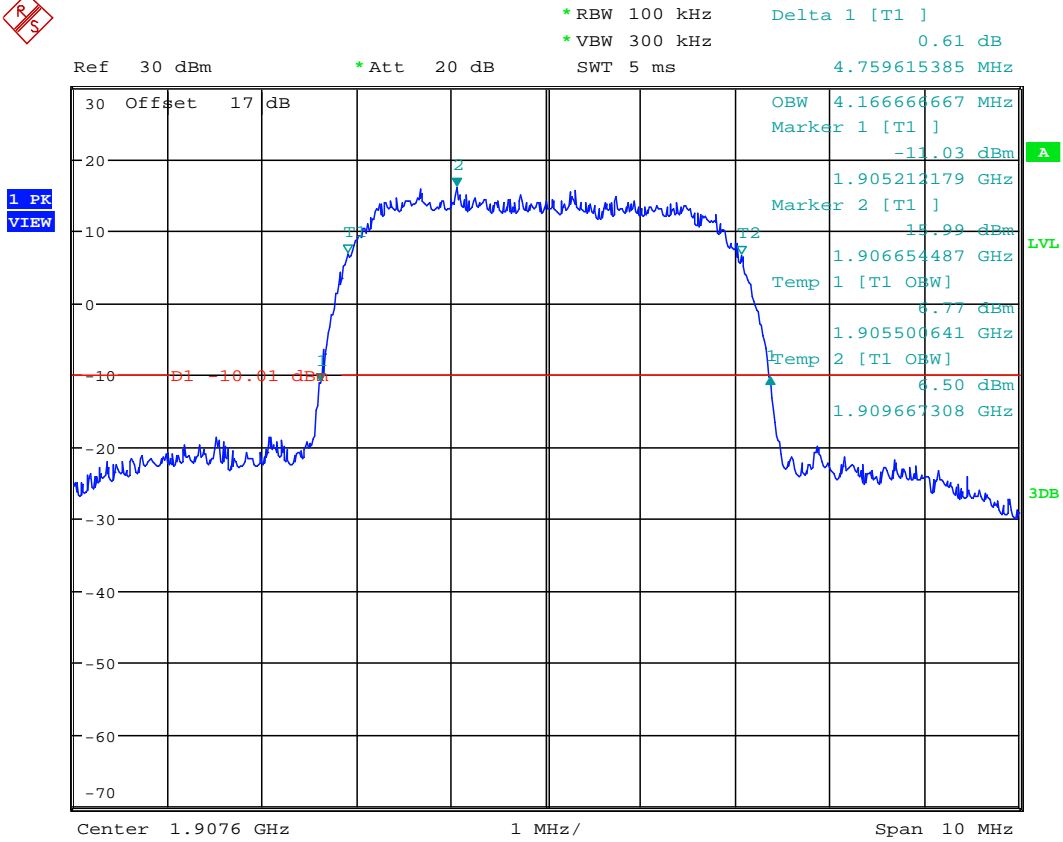
Report Number: W6M21903-18857-P-247
FCC ID: YY3-182010



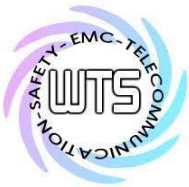
Date: 19.APR.2019 15:39:40



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



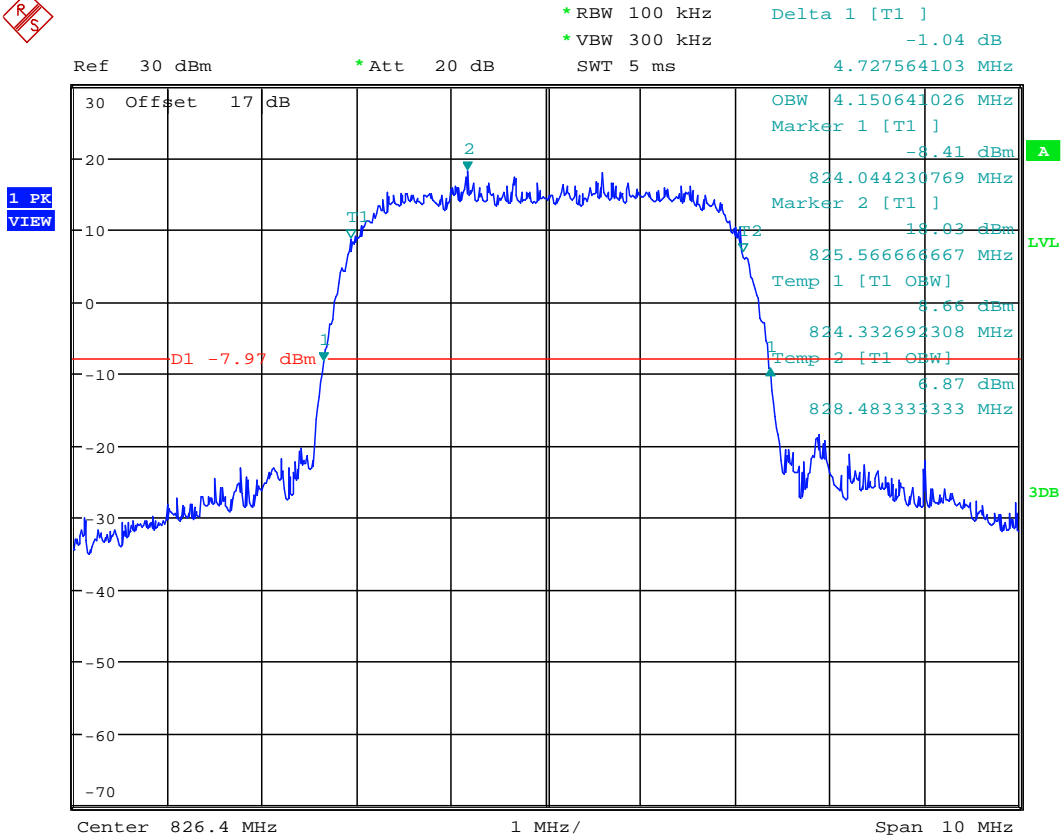
Date: 19.APR.2019 15:40:45



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band V



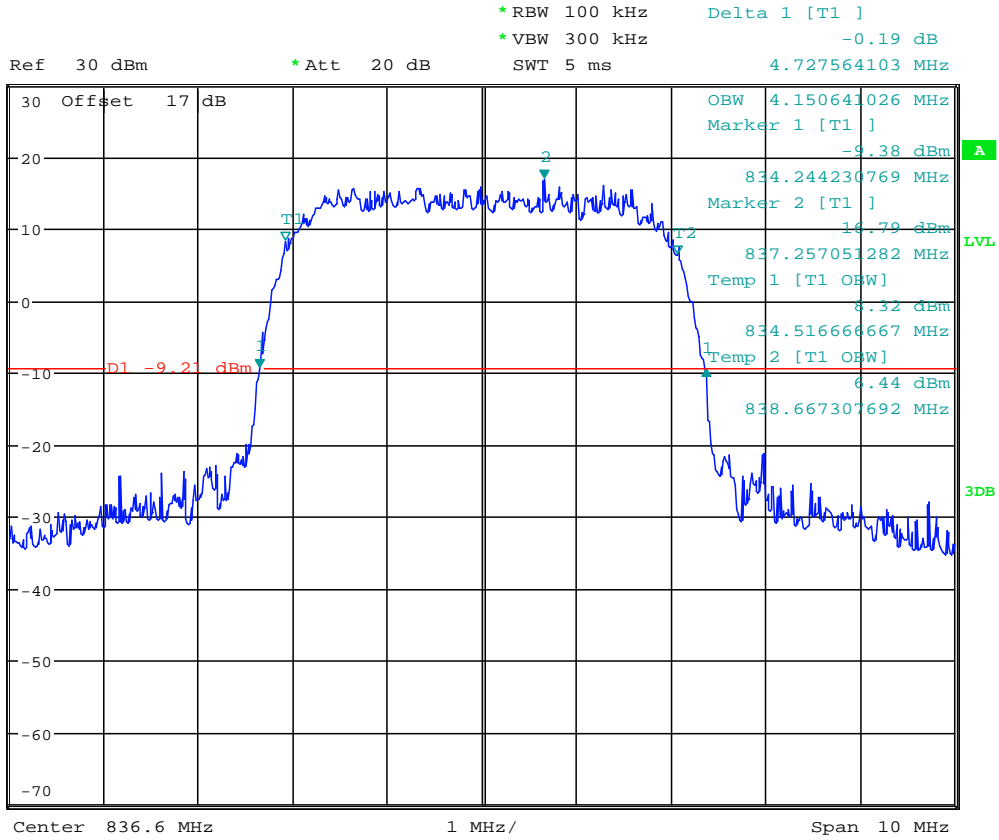
Date: 19.APR.2019 15:41:56



Report Number: W6M21903-18857-P-247
FCC ID: YY3-182010



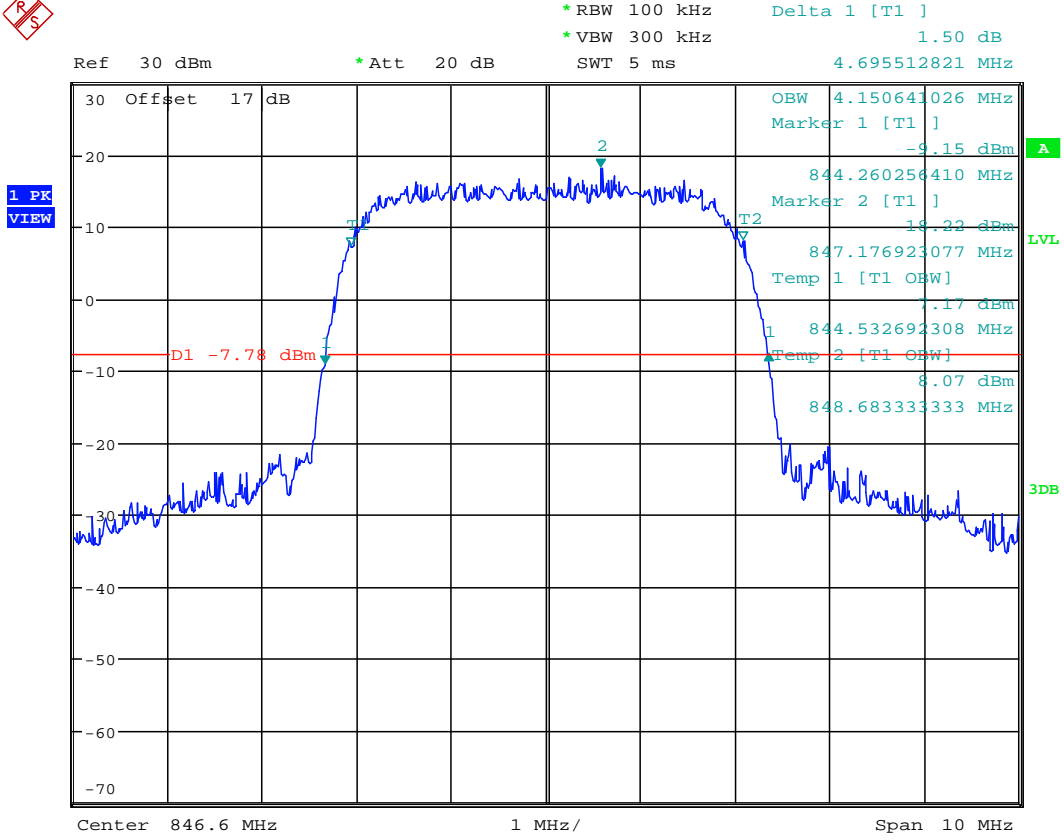
1 PK
VIEW



Date: 19.APR.2019 15:42:57



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Date: 19.APR.2019 15:43:51



Report Number: W6M21903-18857-P-247

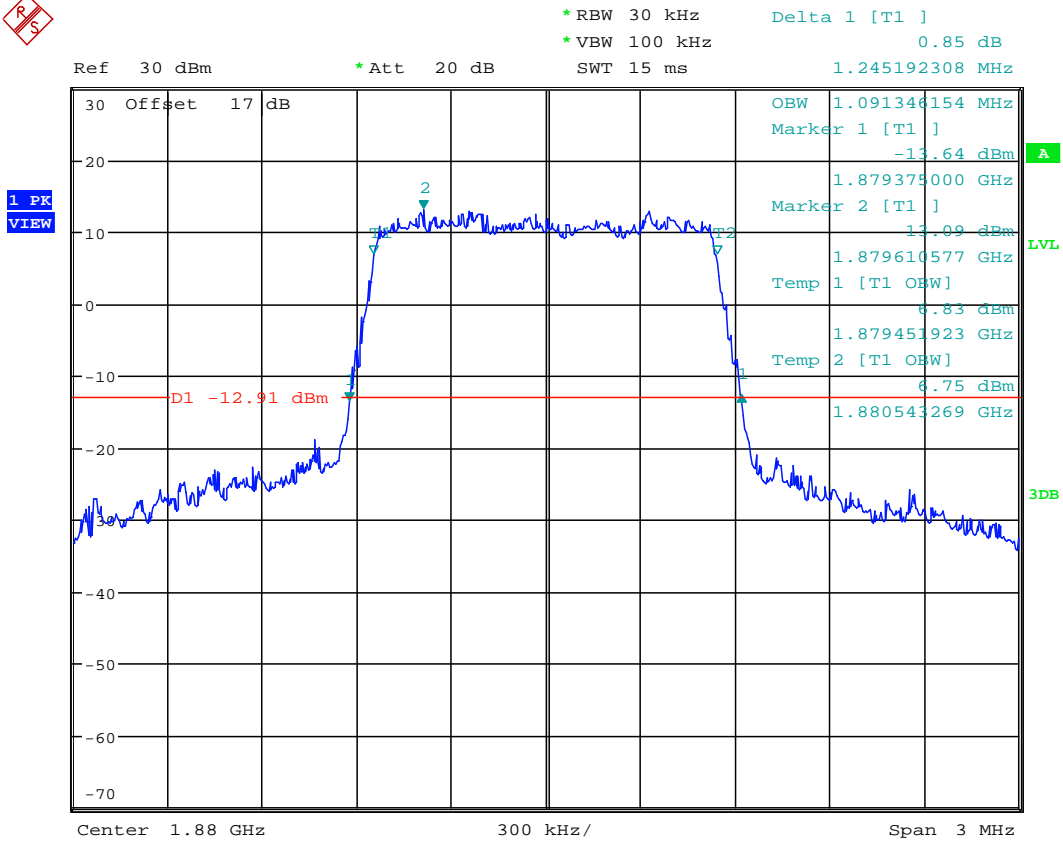
FCC ID: YY3-182010

LTE

Band II

16QAM

1.4MHz



Date: 19.APR.2019 17:07:18

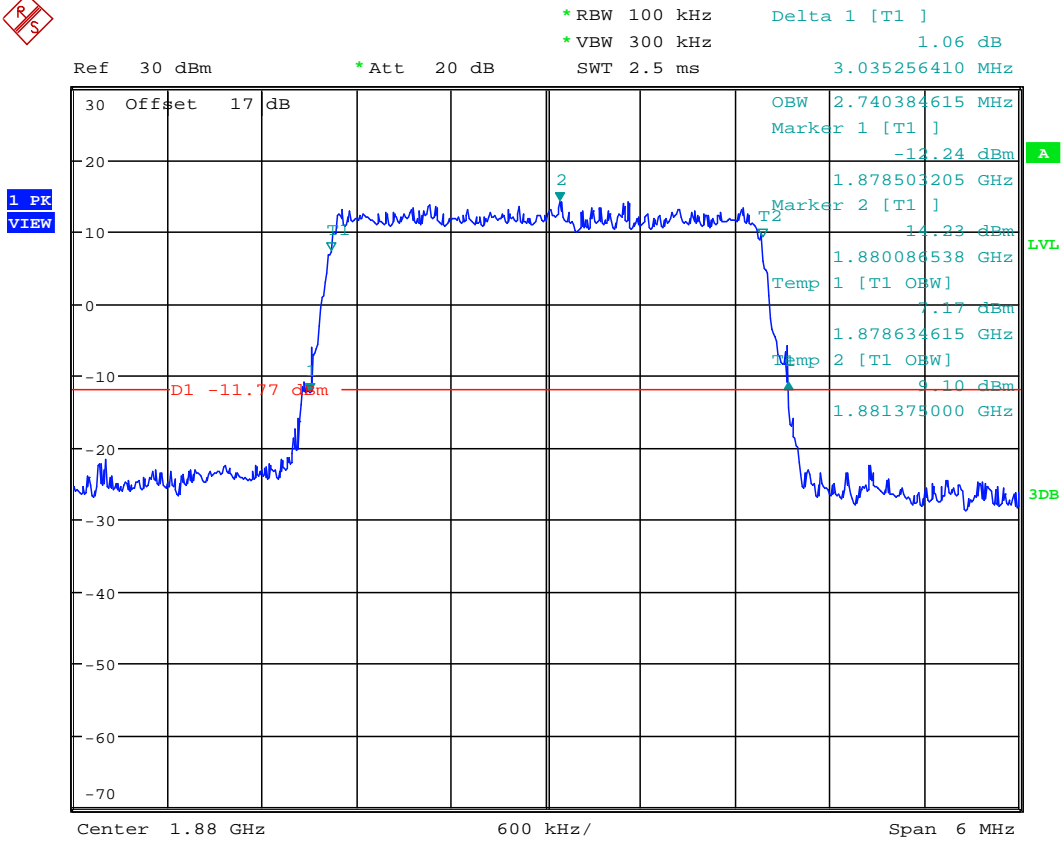


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



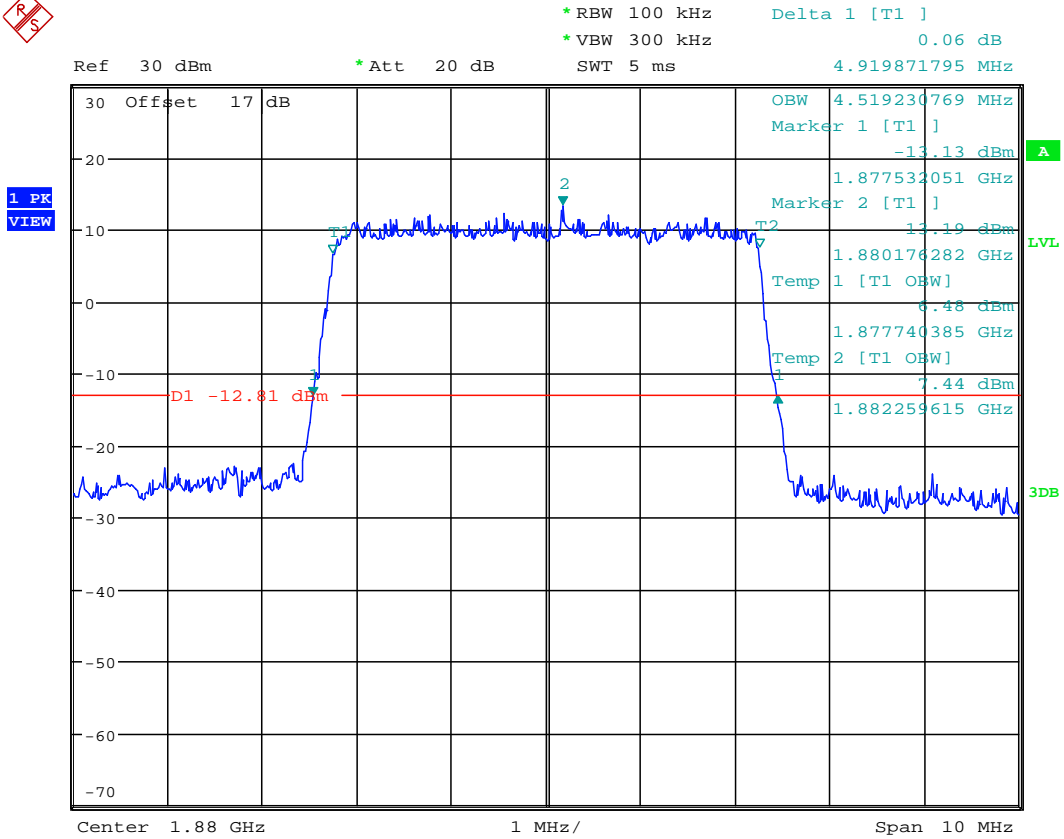
Date: 19.APR.2019 17:03:48



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



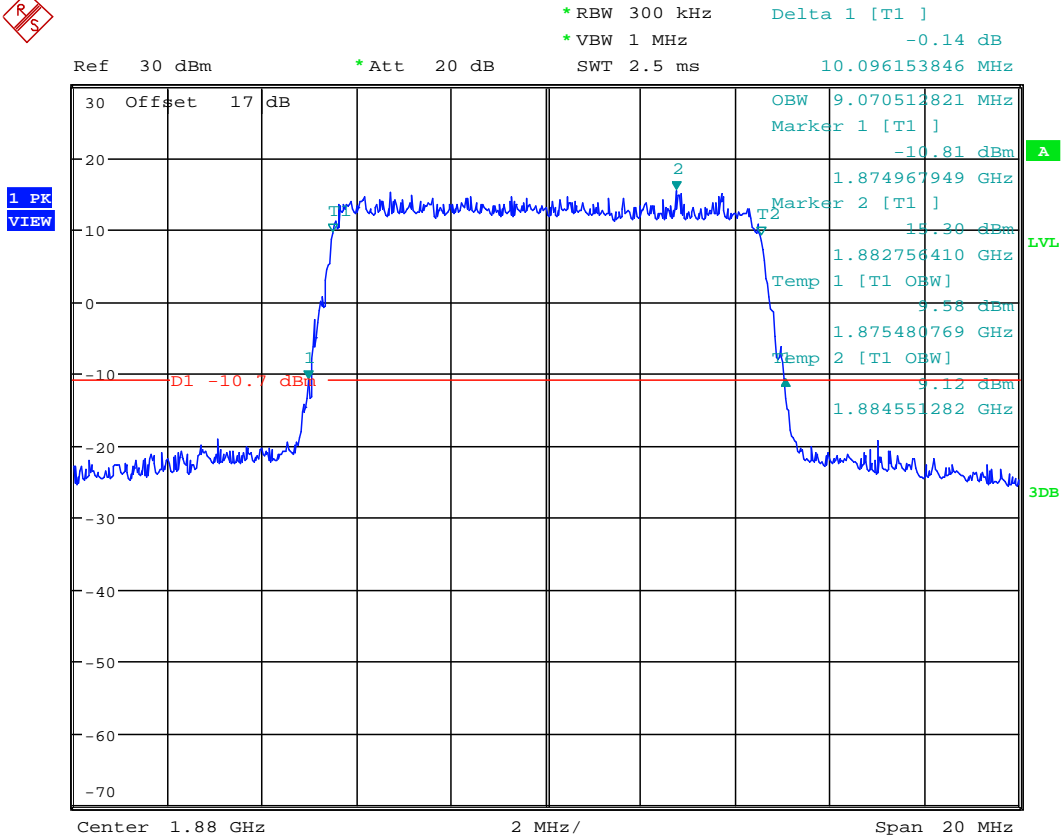
Date: 19.APR.2019 17:02:18



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



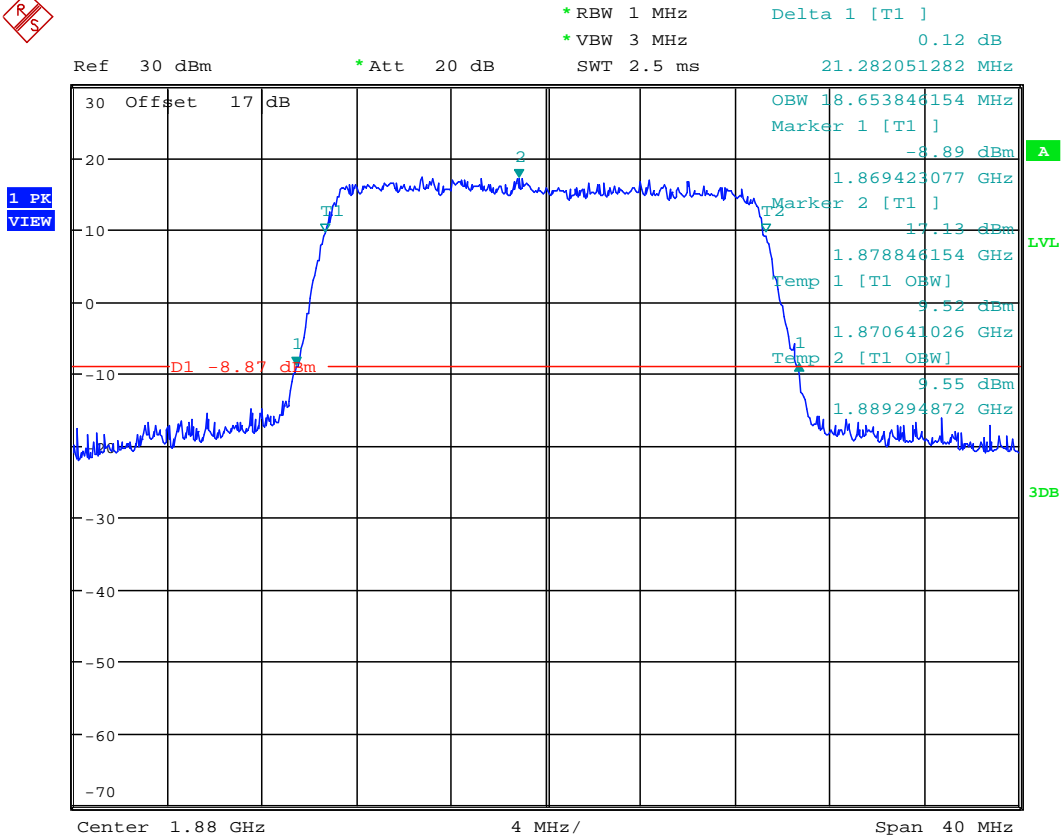
Date: 19.APR.2019 16:59:11



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



Date: 19.APR.2019 16:35:17

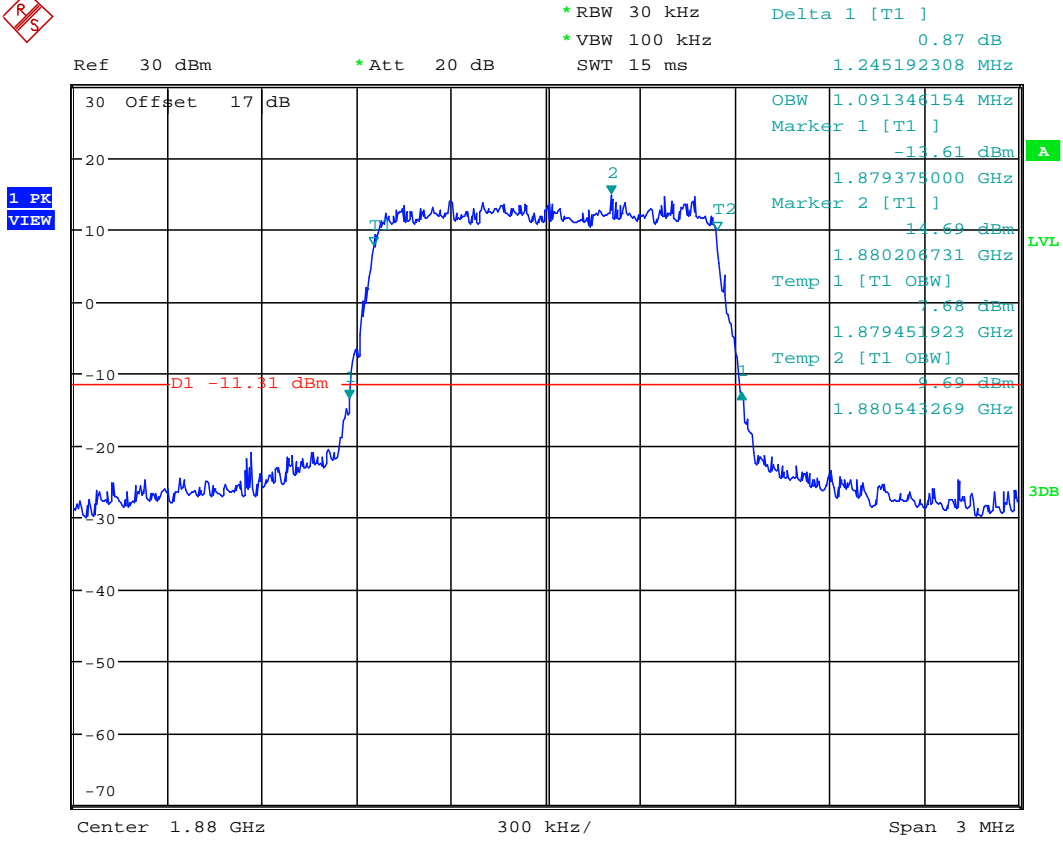


Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

1.4MHz



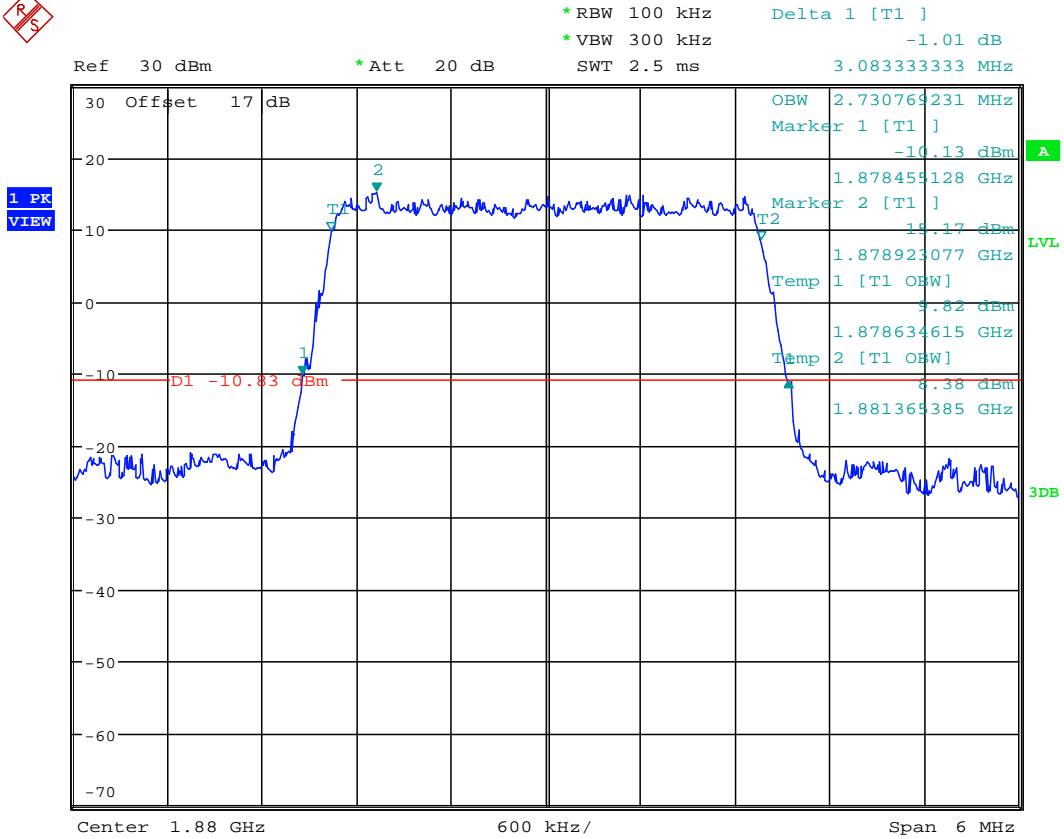
Date: 19.APR.2019 17:06:16



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



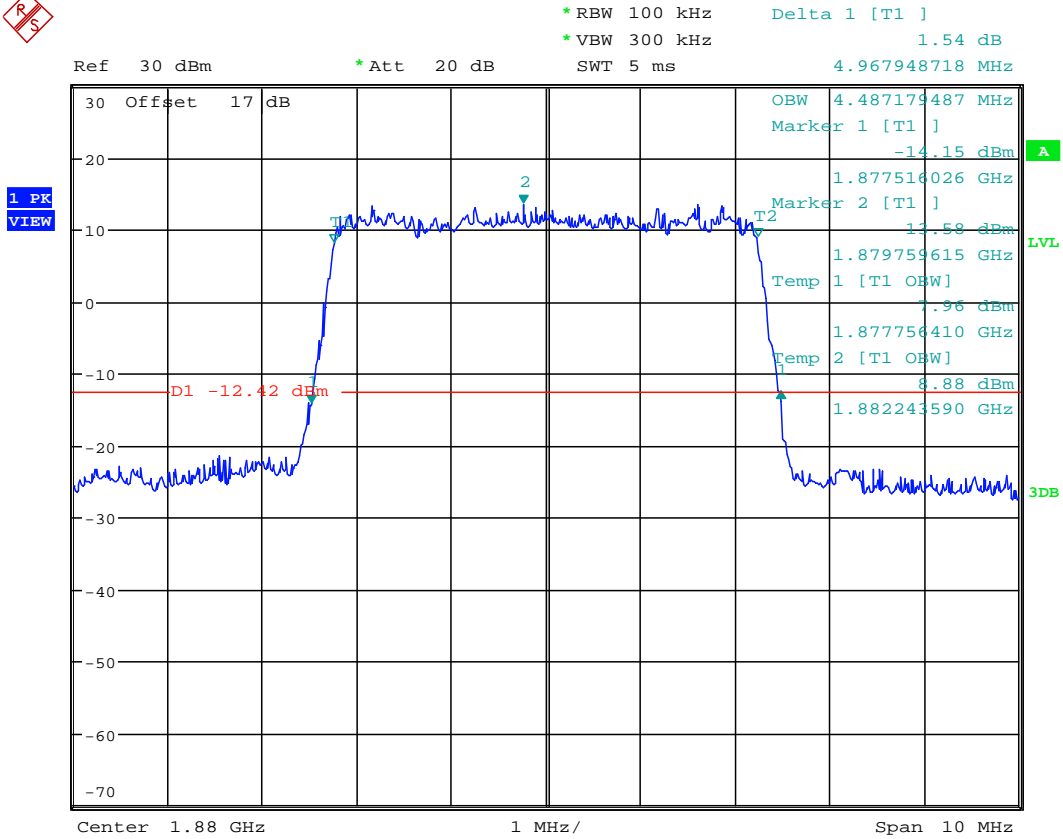
Date: 19.APR.2019 17:04:43



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



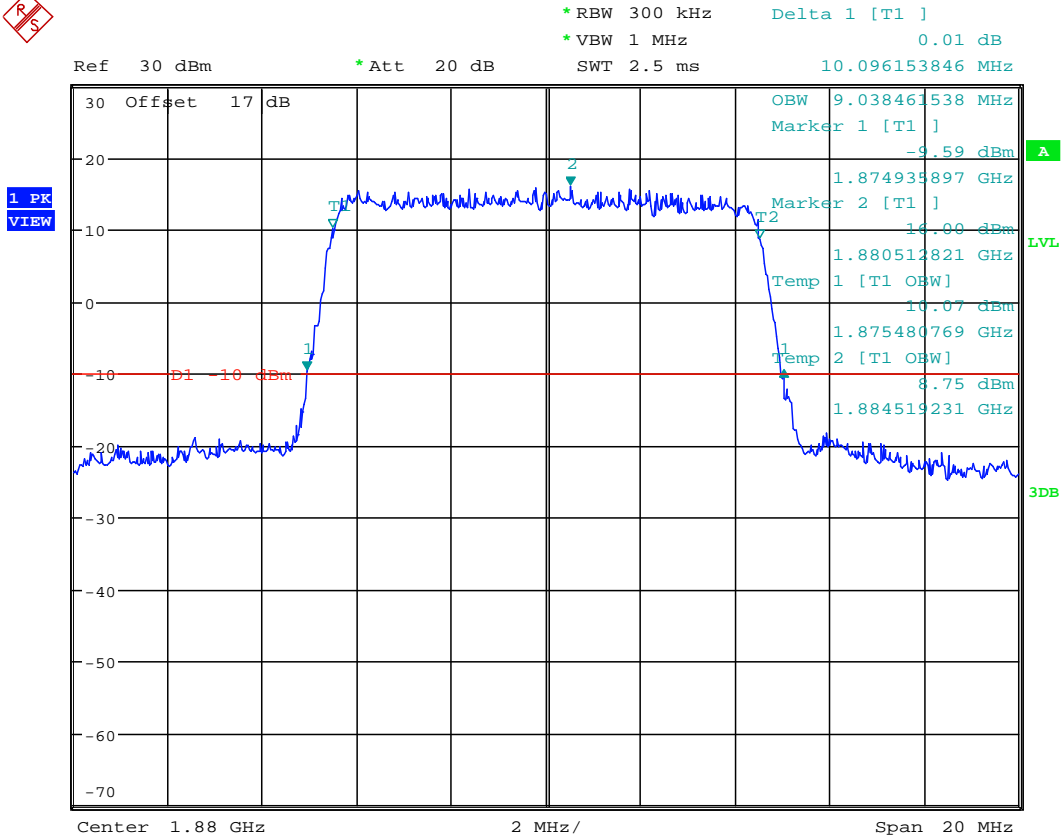
Date: 19.APR.2019 17:01:11



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



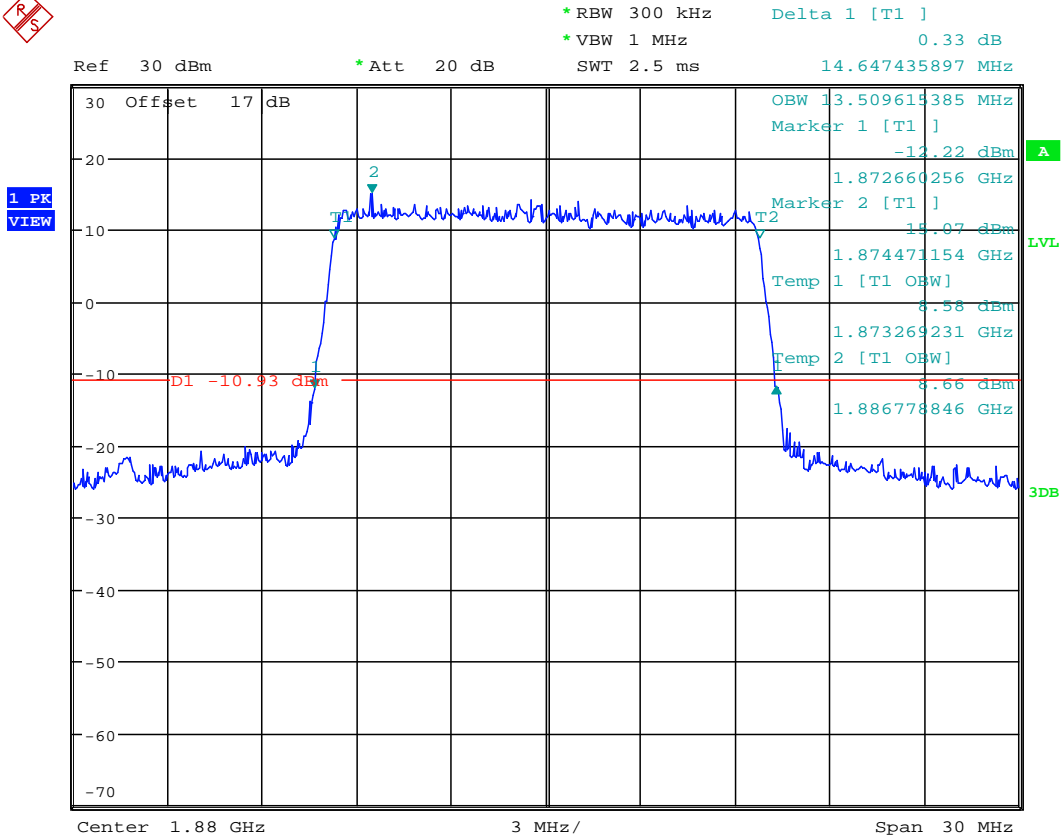
Date: 19.APR.2019 16:59:57



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



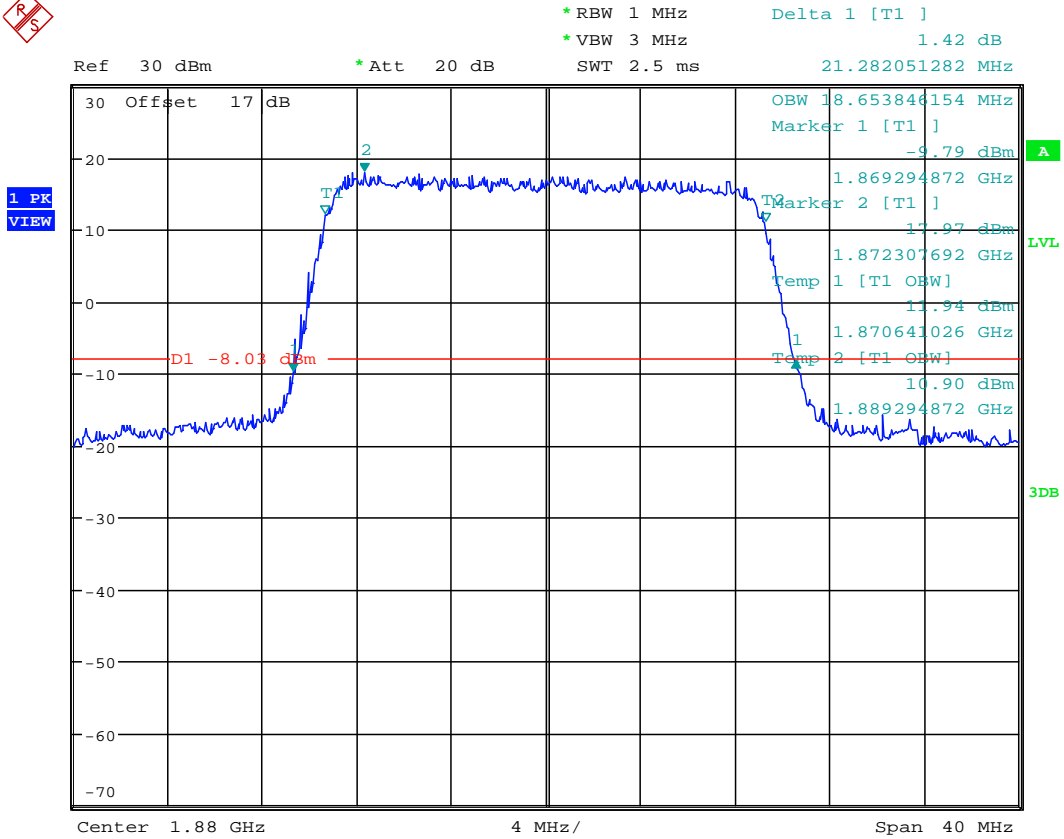
Date: 19.APR.2019 16:37:52



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



Date: 19.APR.2019 16:36:08



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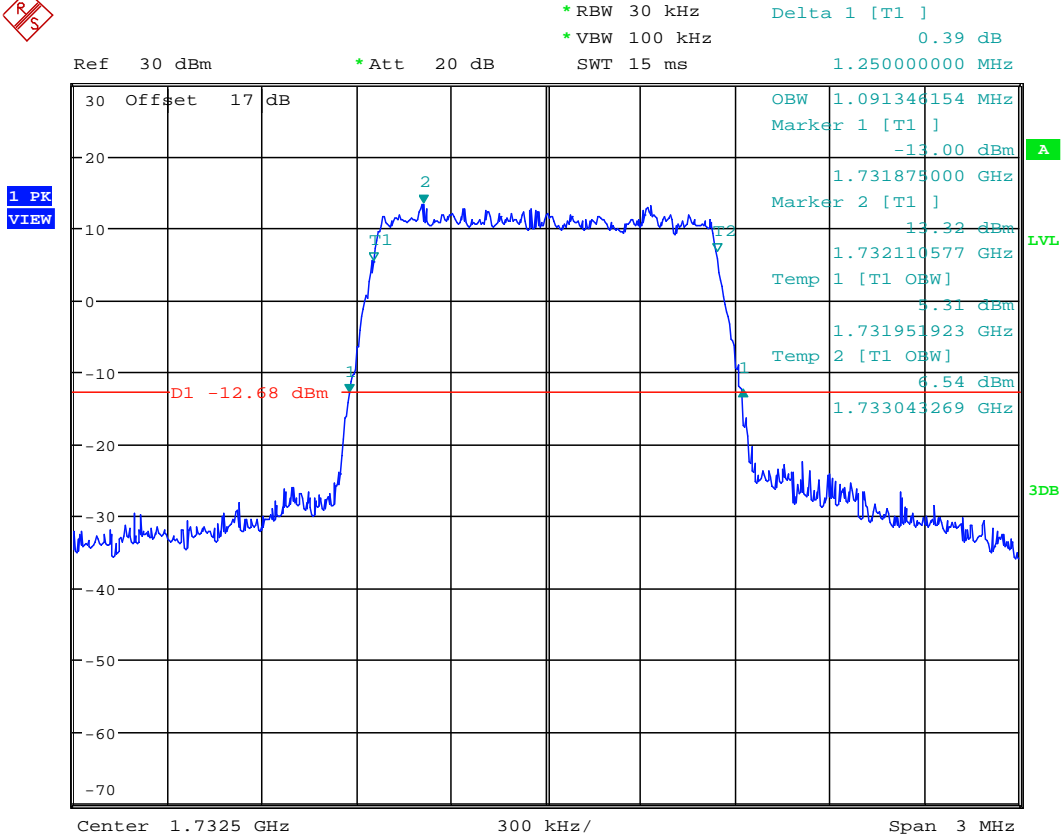
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

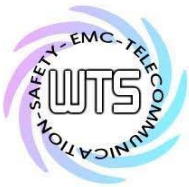
Band IV

16QAM

1.4MHz



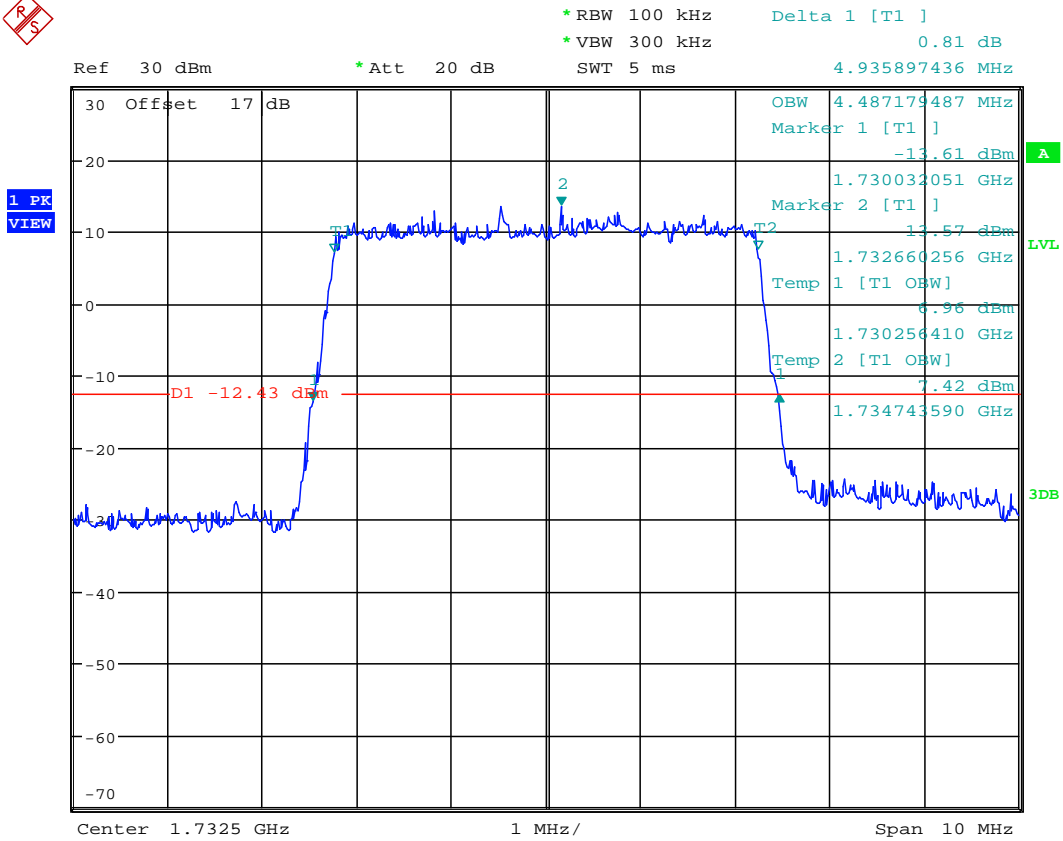
Date: 19.APR.2019 17:35:33



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



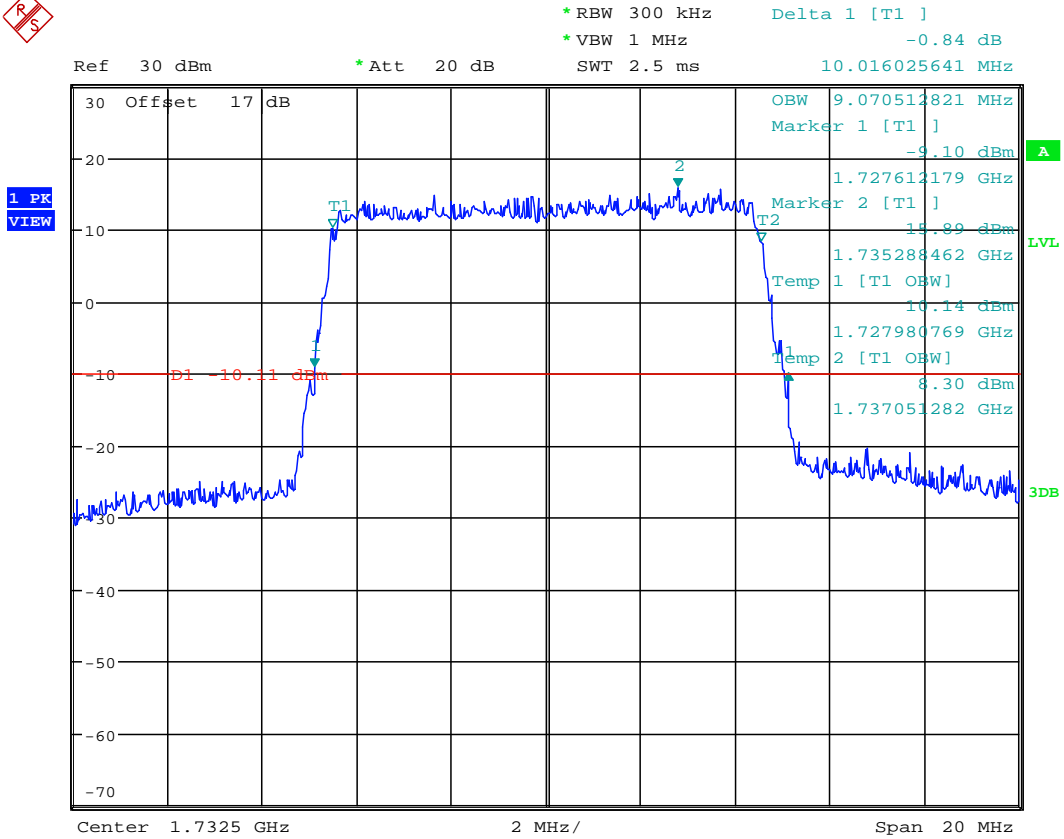
Date: 19.APR.2019 17:28:23



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



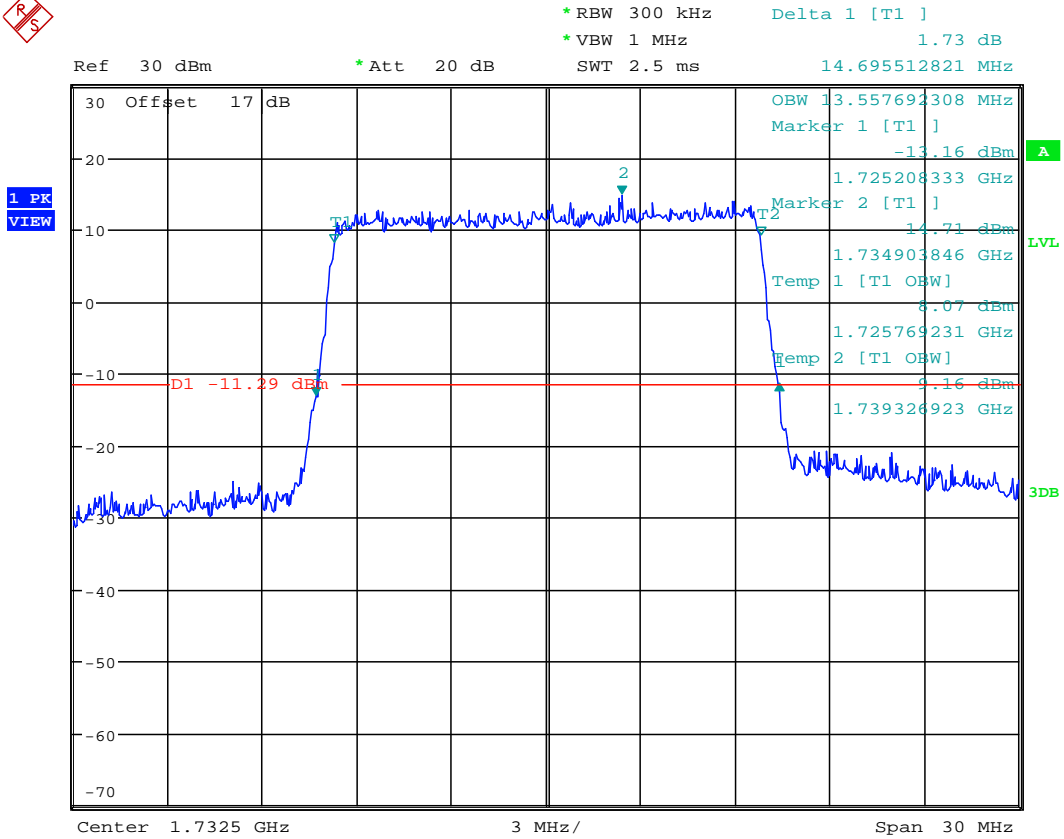
Date: 19.APR.2019 17:24:44



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



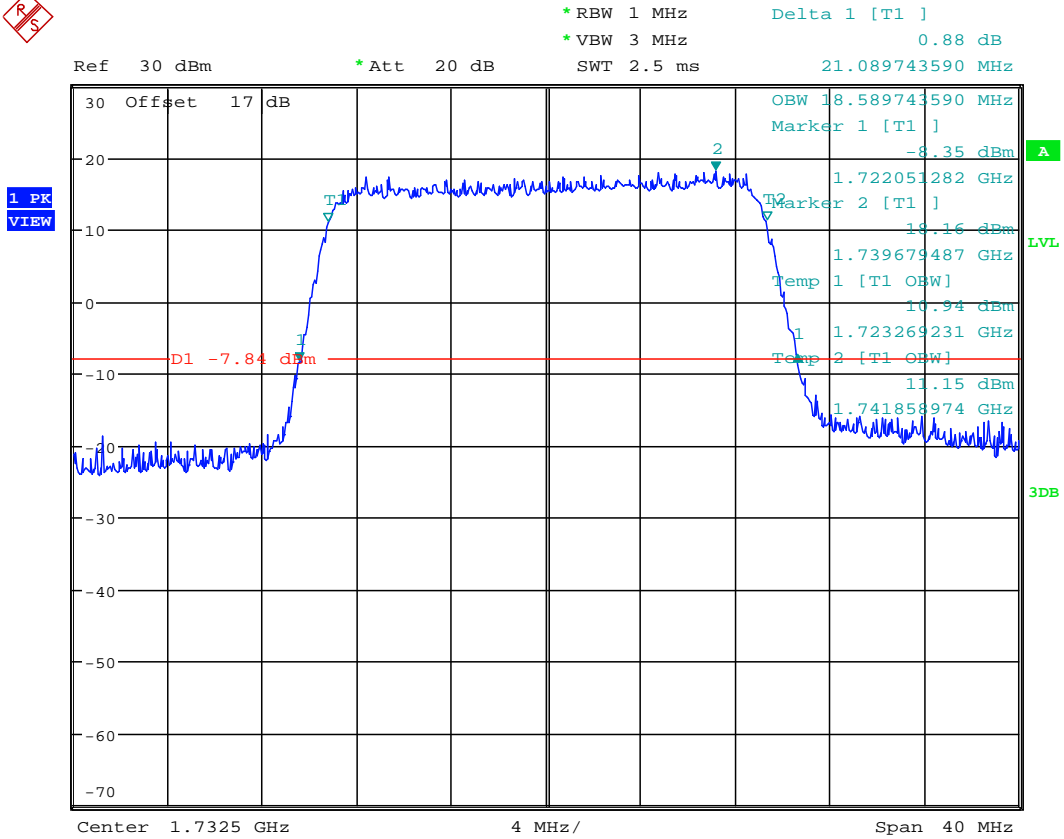
Date: 19.APR.2019 17:23:13



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



Date: 19.APR.2019 17:19:44



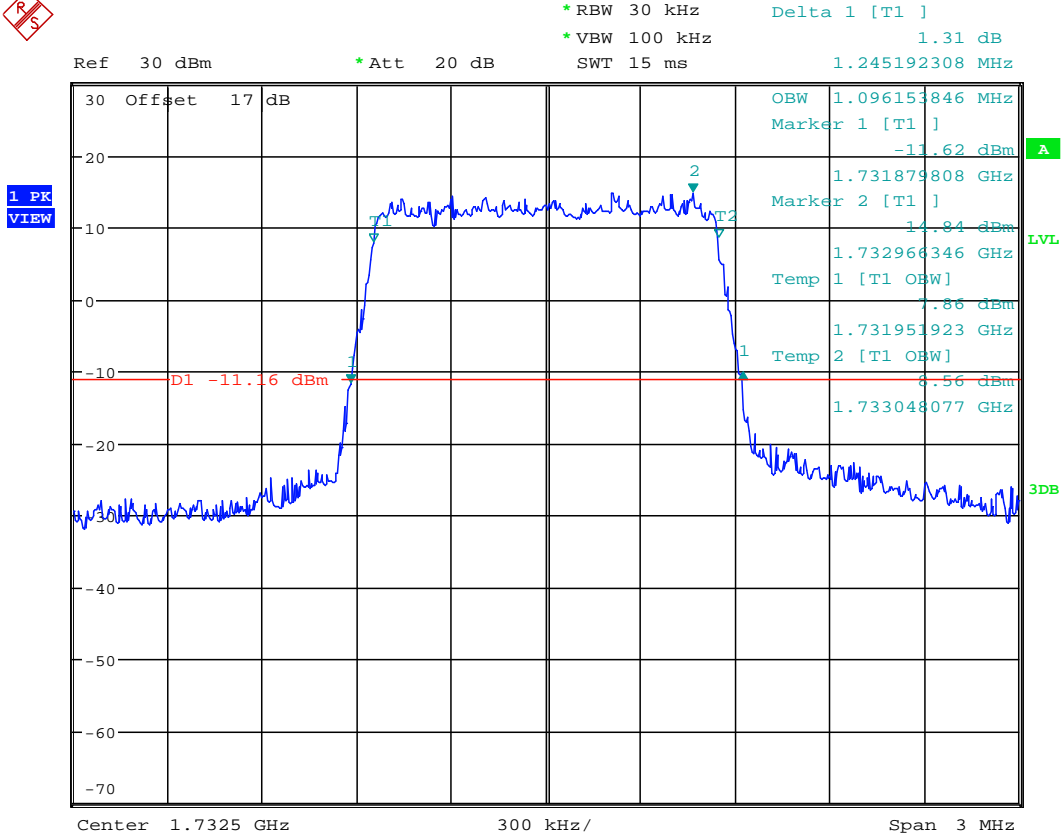
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

1.4MHz



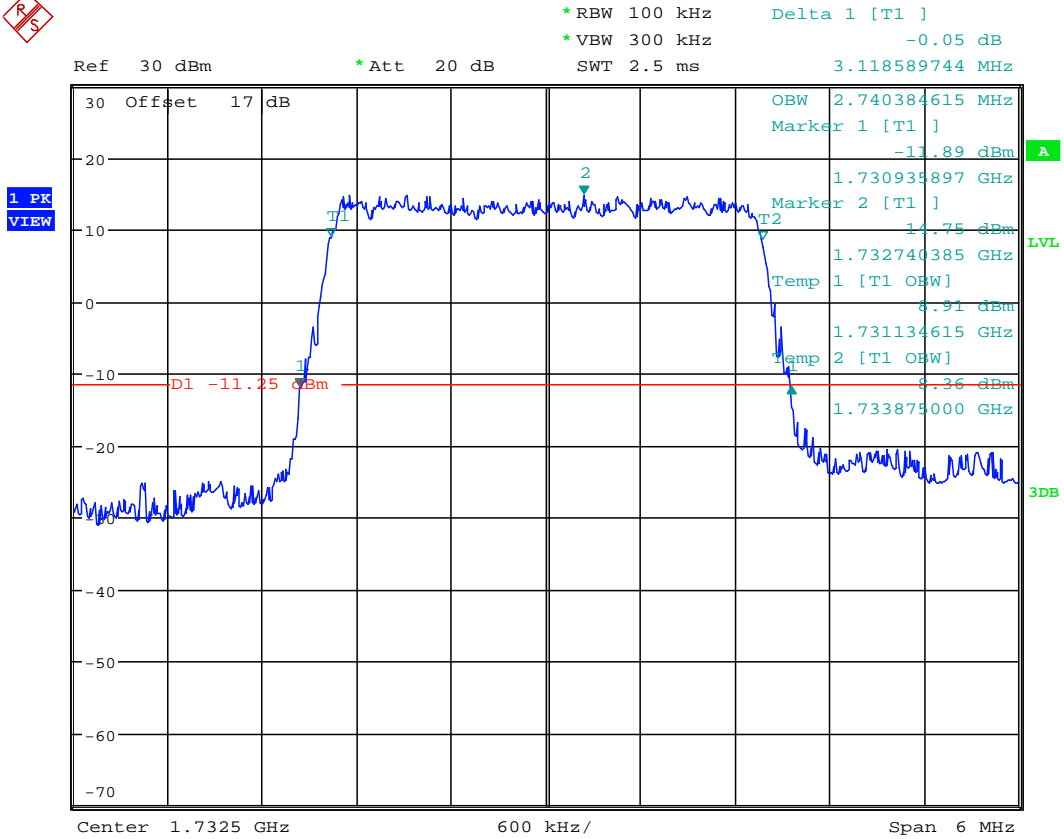
Date: 19.APR.2019 17:34:48



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



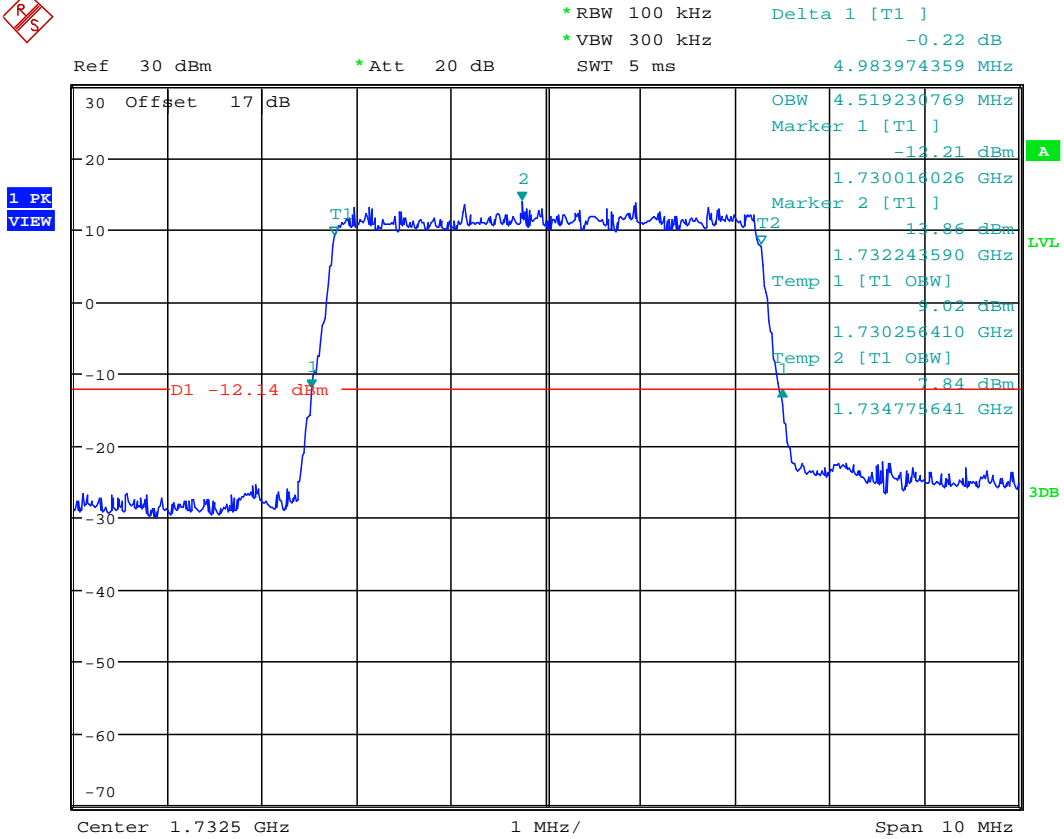
Date: 19.APR.2019 17:33:34



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



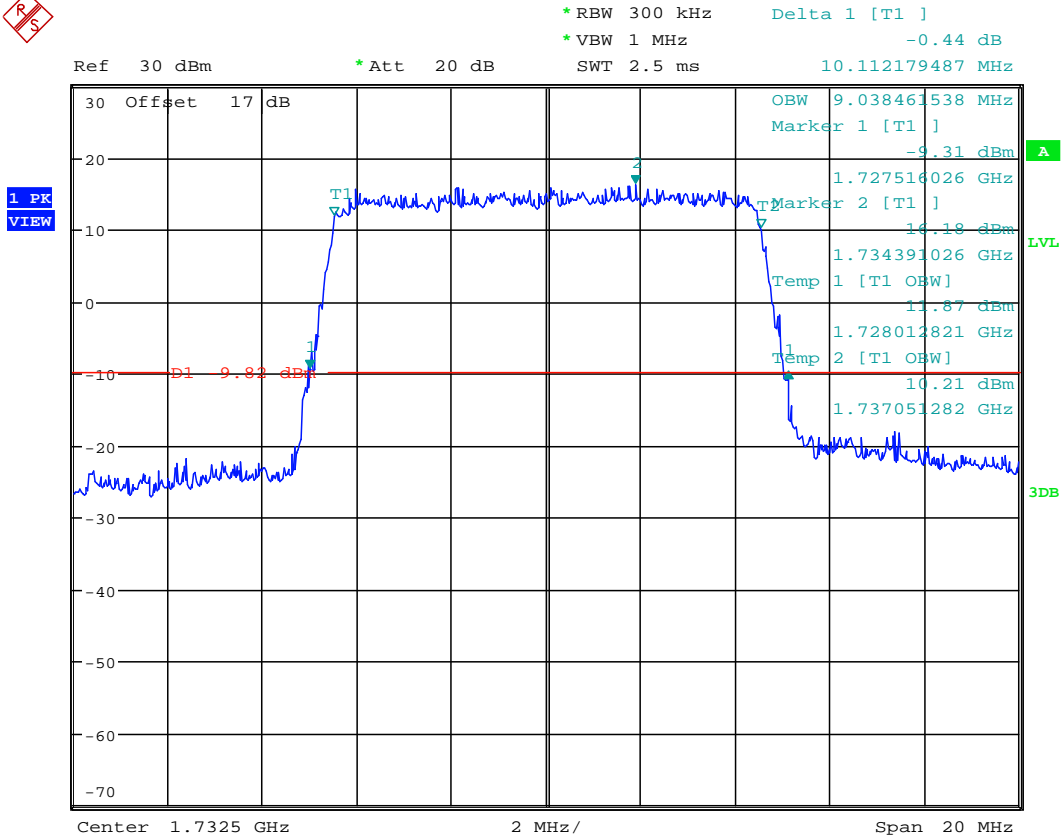
Date: 19.APR.2019 17:27:11



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Date: 19.APR.2019 17:25:49

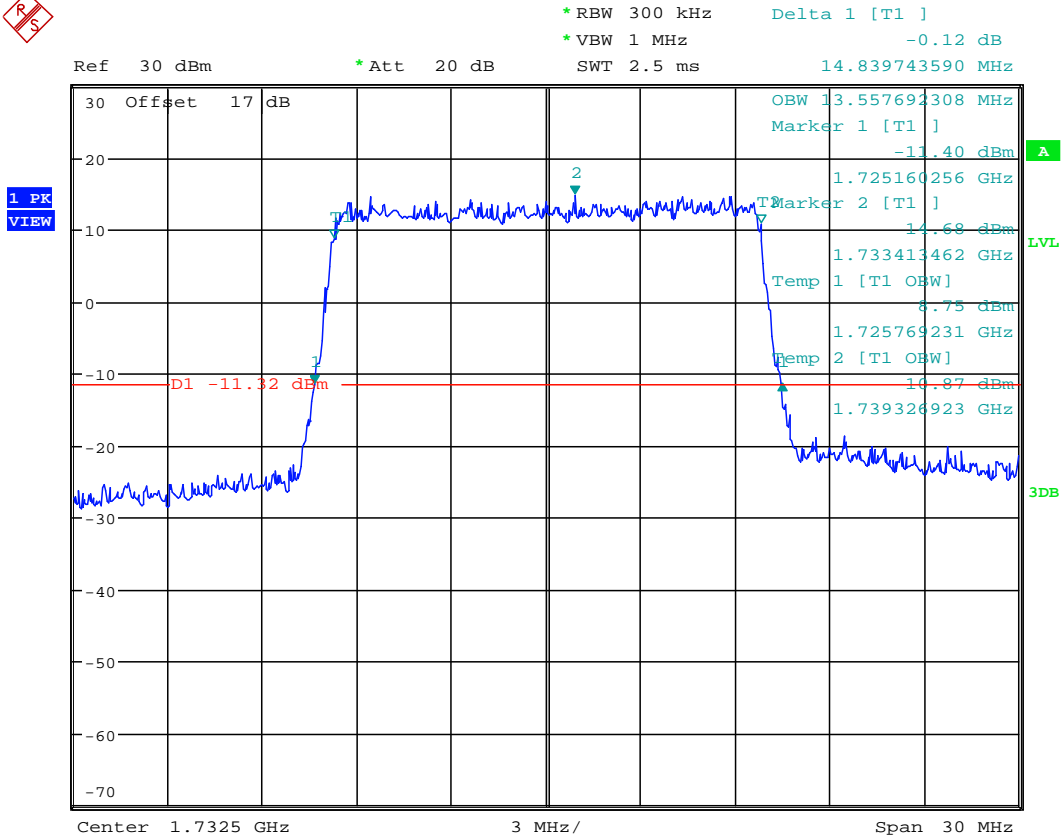


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



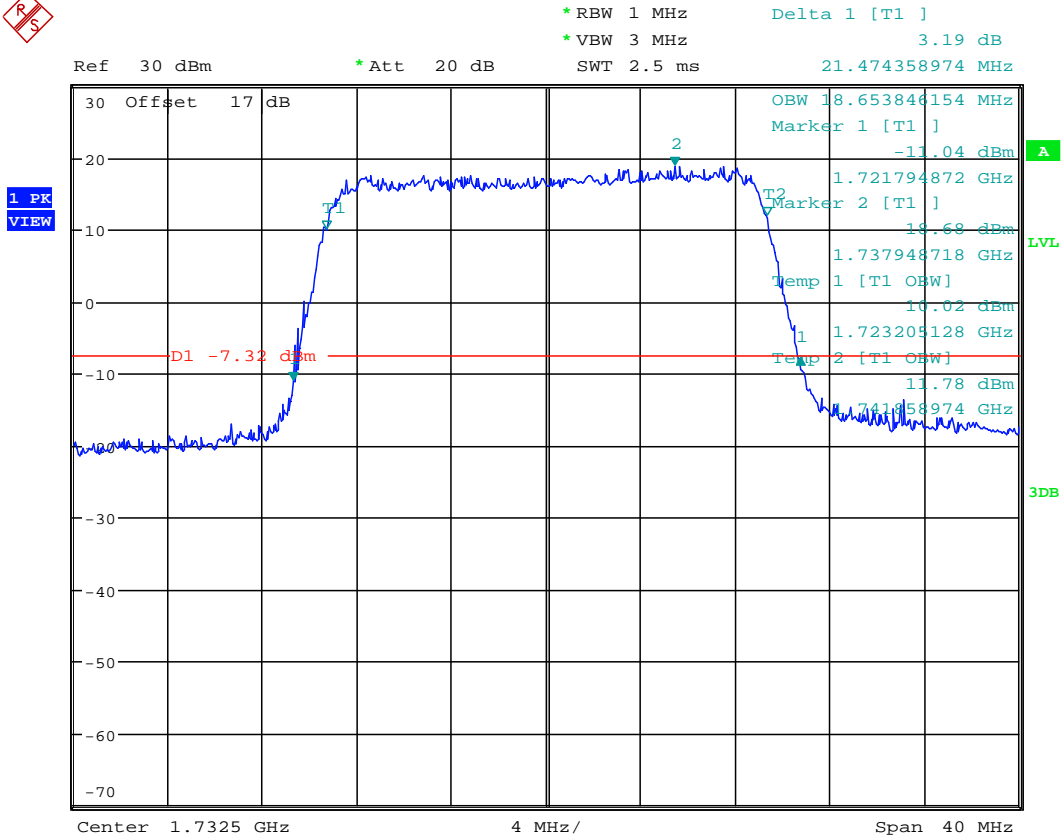
Date: 19.APR.2019 17:22:19



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



Date: 19.APR.2019 17:20:40



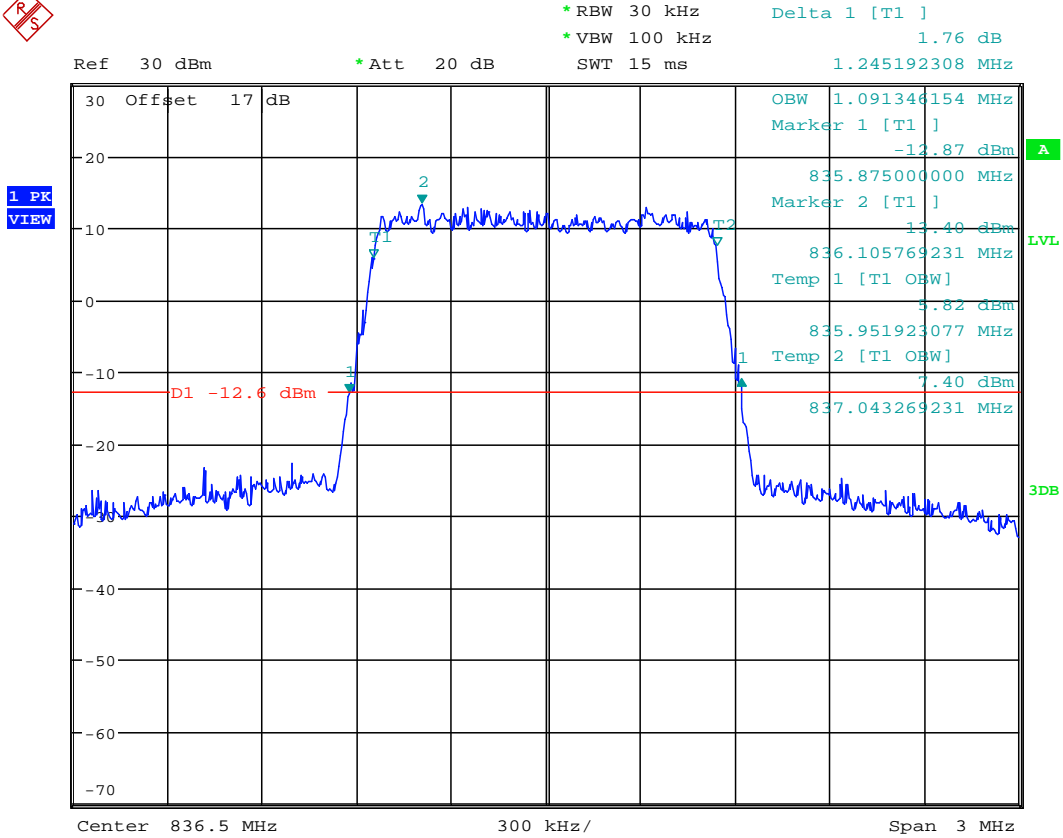
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band V

16QAM

1.4MHz



Date: 19.APR.2019 17:49:20

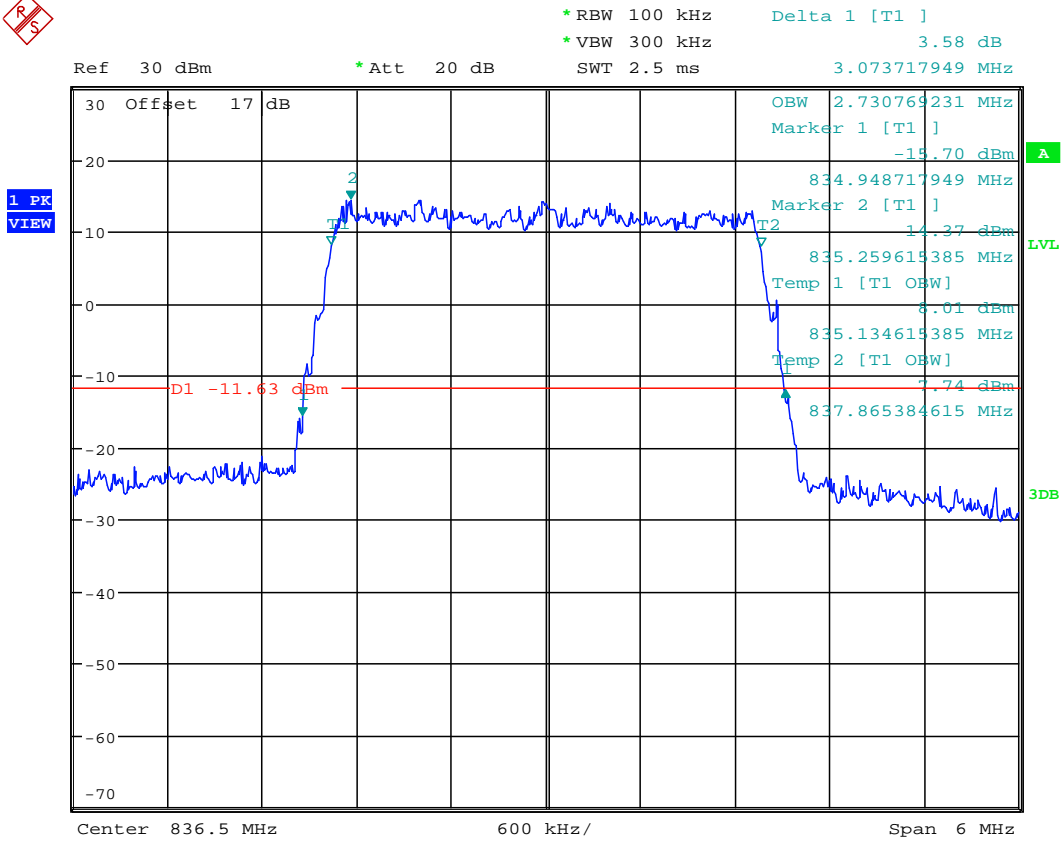


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



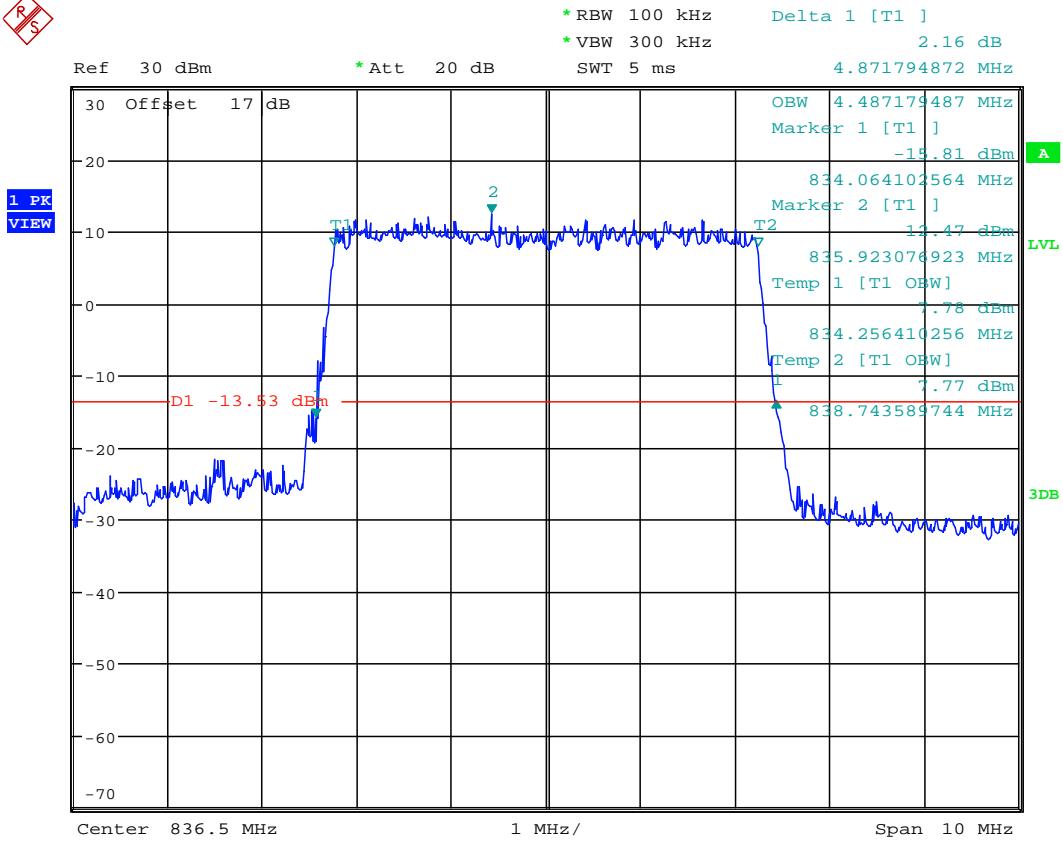
Date: 19.APR.2019 17:46:04



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



Date: 19.APR.2019 17:44:19

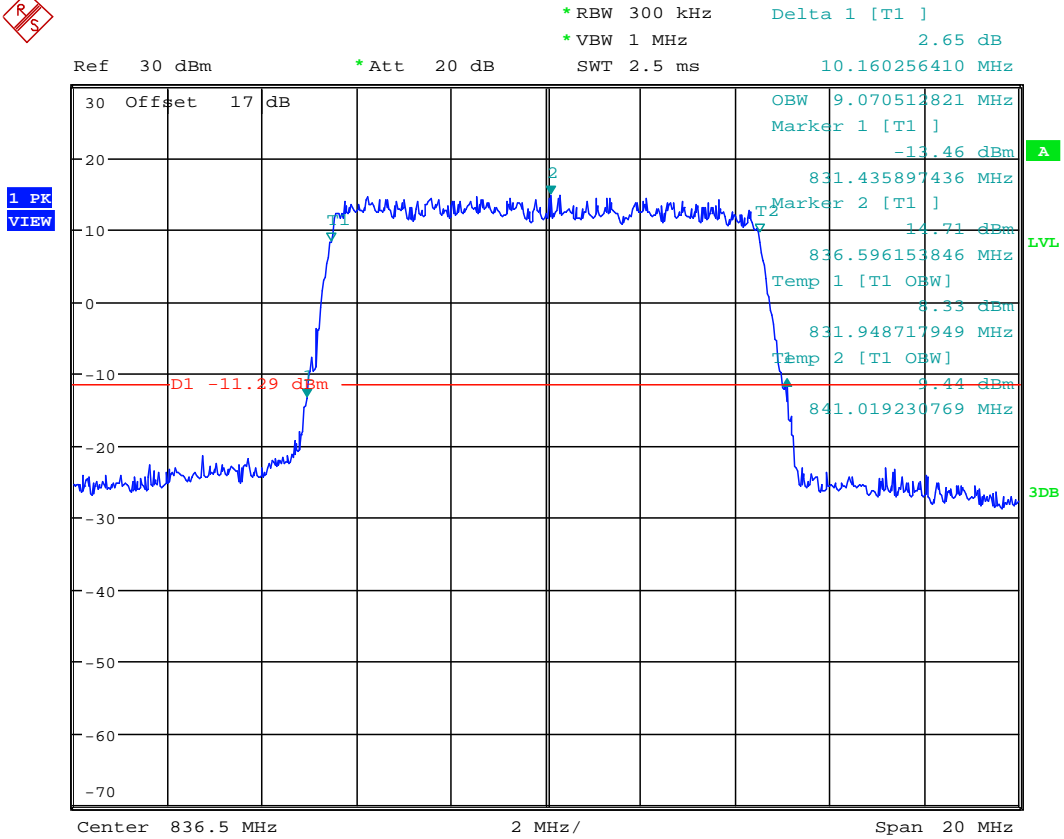


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Date: 19.APR.2019 17:40:16



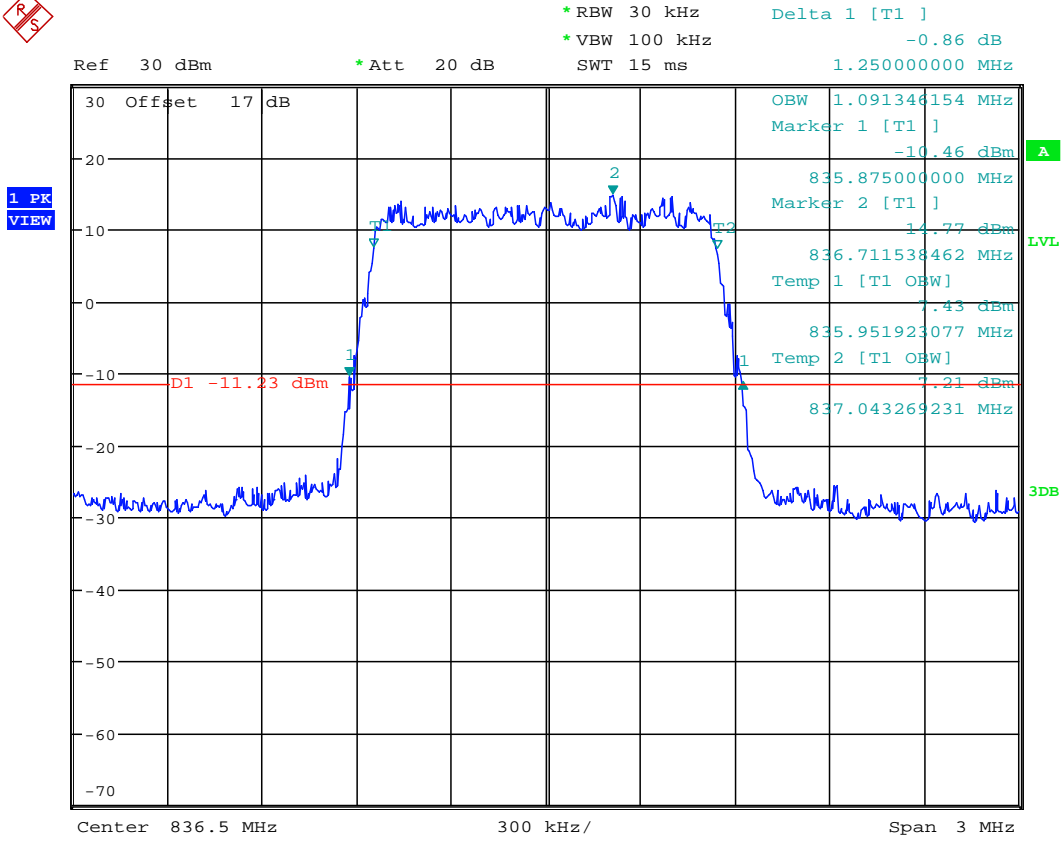
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

1.4MHz



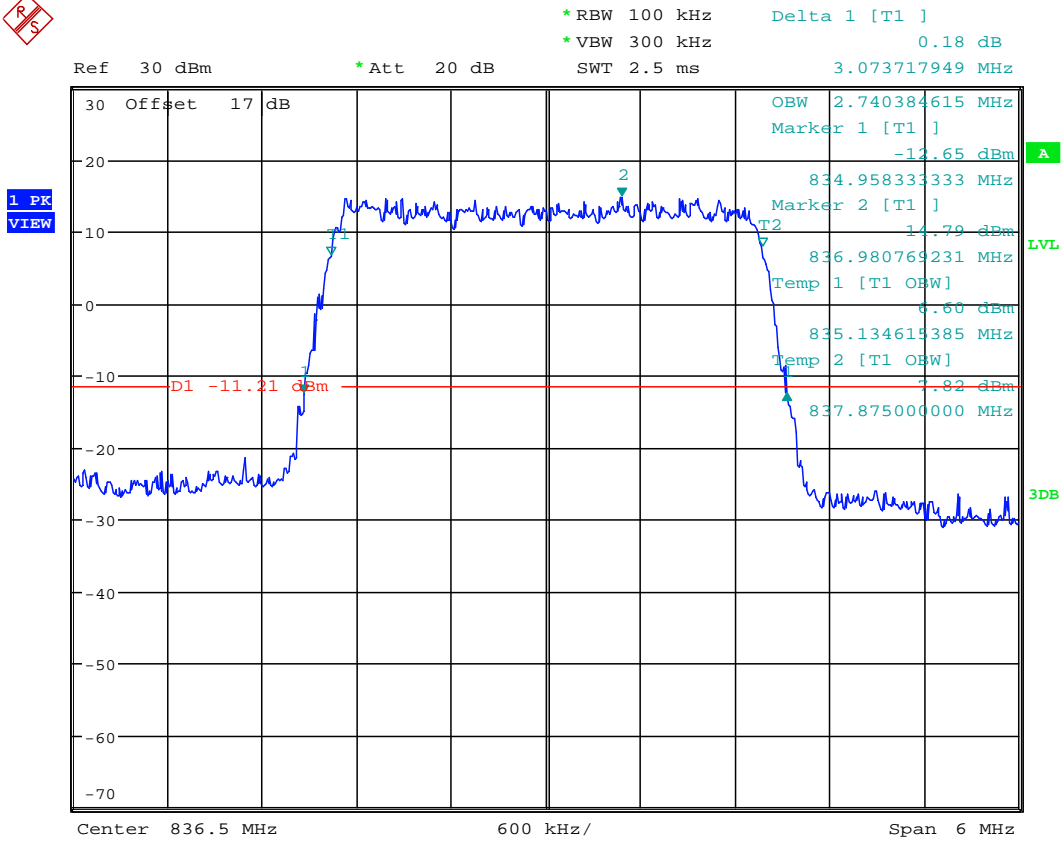
Date: 19.APR.2019 17:48:23



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



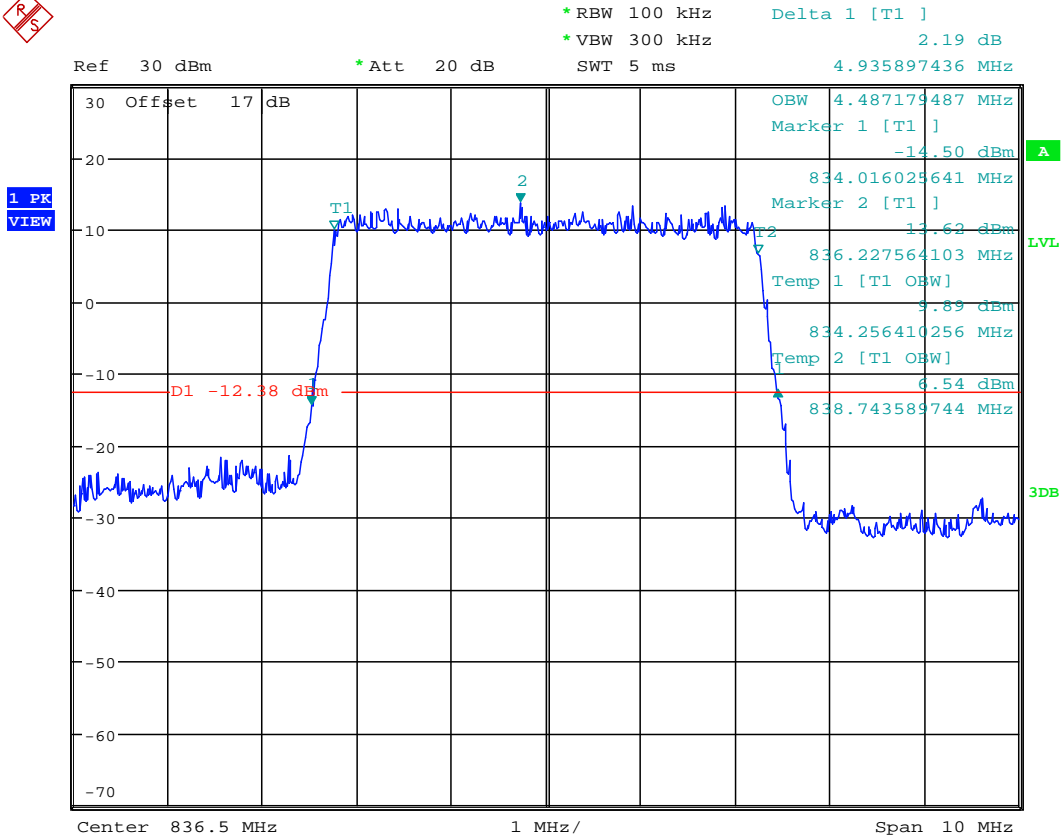
Date: 19.APR.2019 17:46:53



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



Date: 19.APR.2019 17:43:30



Worldwide Testing Services(Taiwan) Co., Ltd.

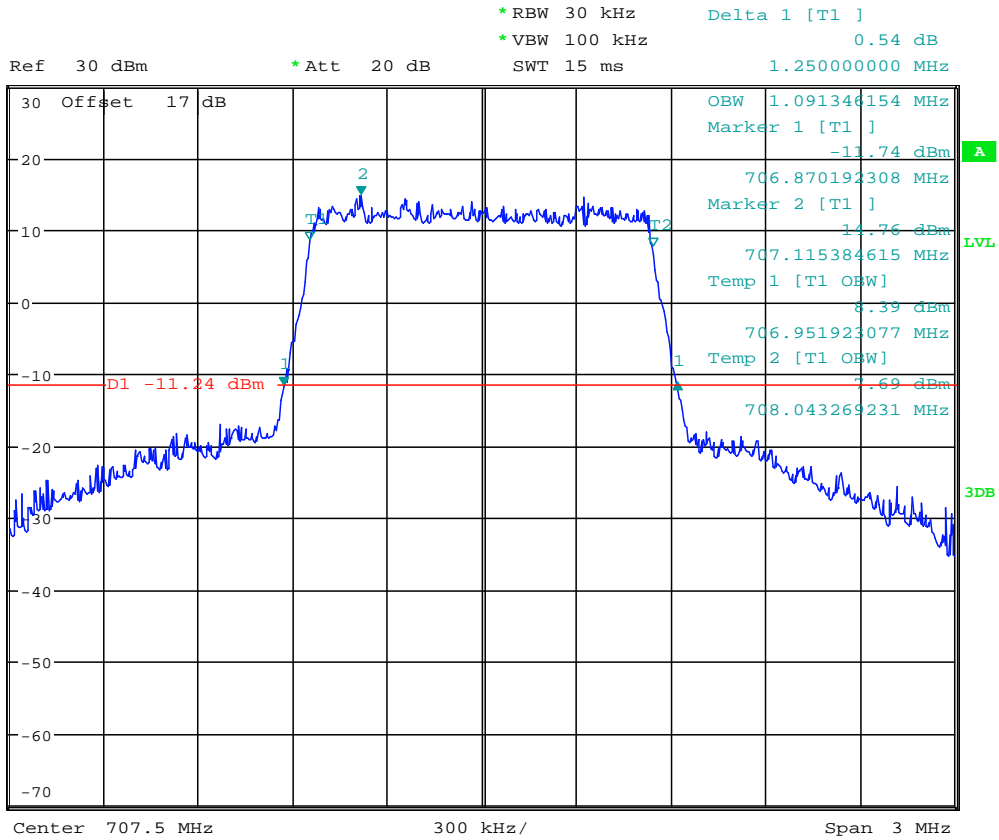
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band XII

16QAM

1.4MHz



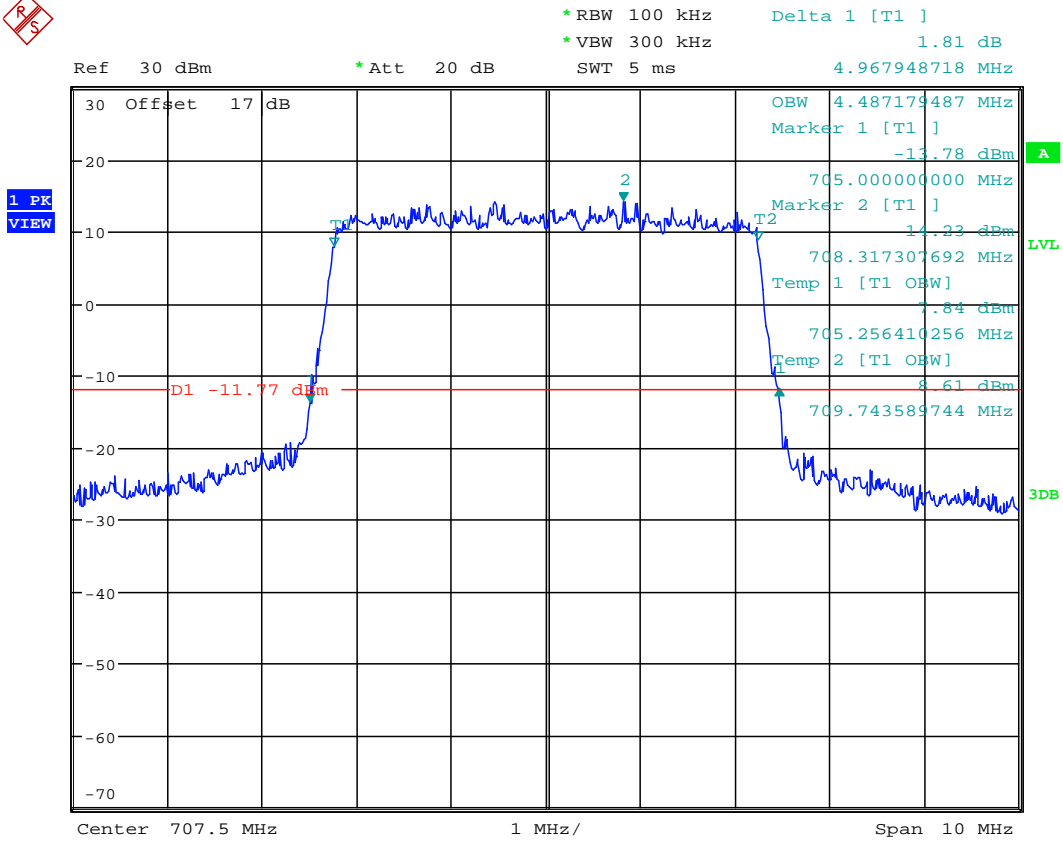
Date: 19.APR.2019 19:11:20



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



Date: 19.APR.2019 19:07:01

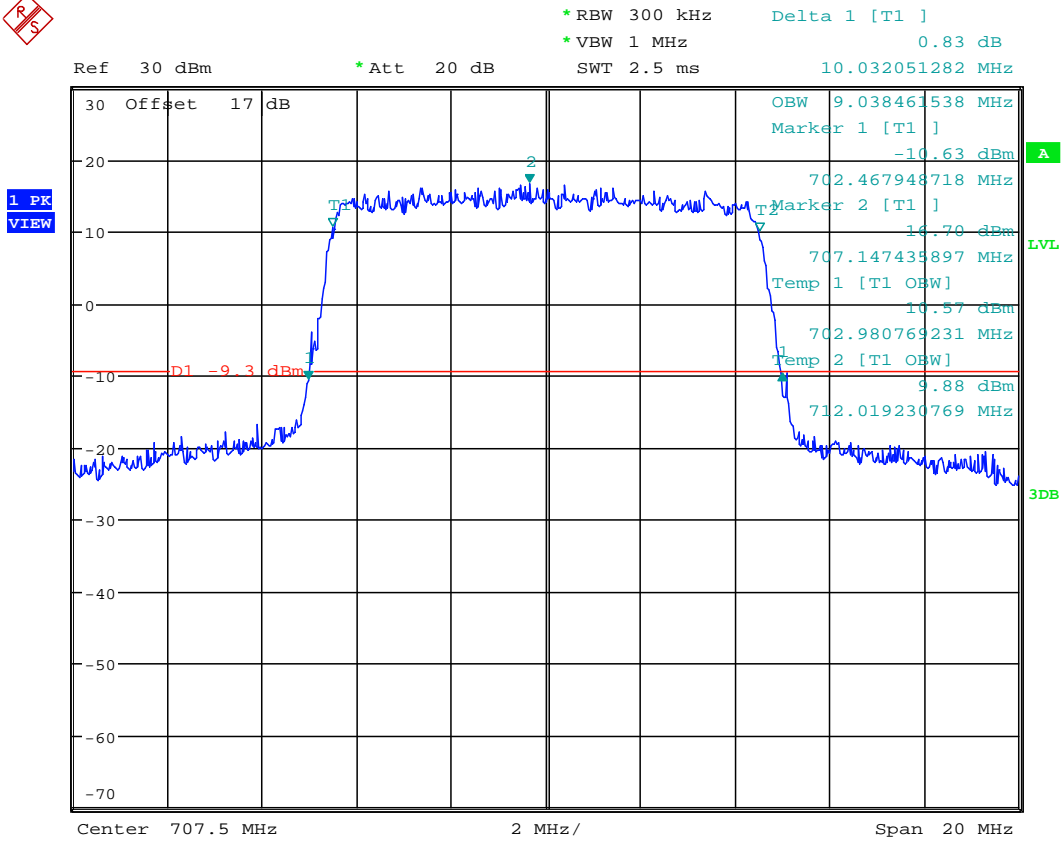


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Date: 19.APR.2019 19:03:03



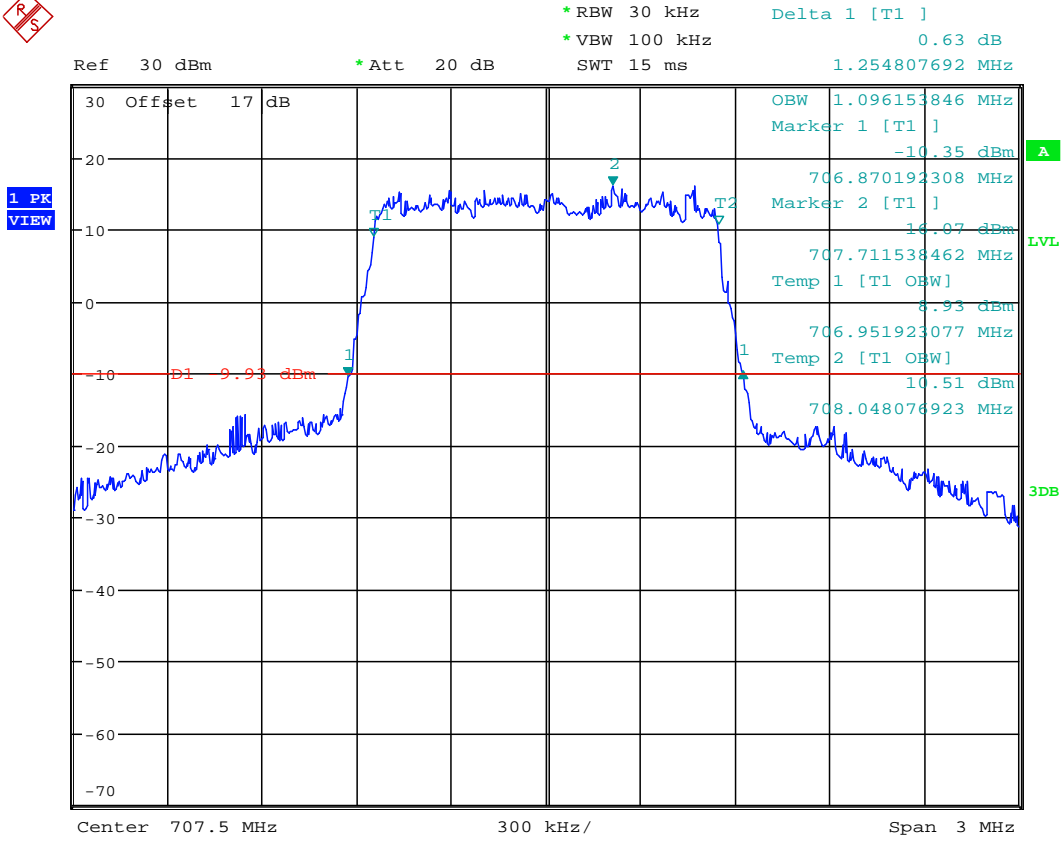
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

1.4MHz



Date: 19.APR.2019 19:10:33

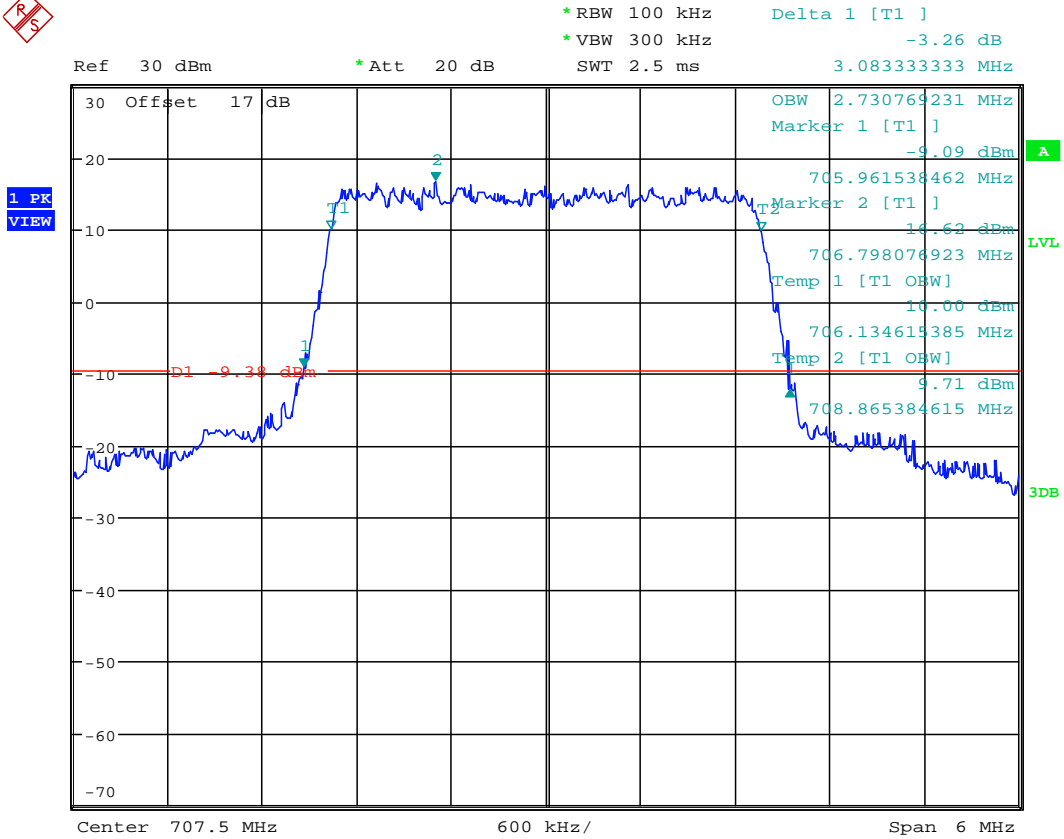


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



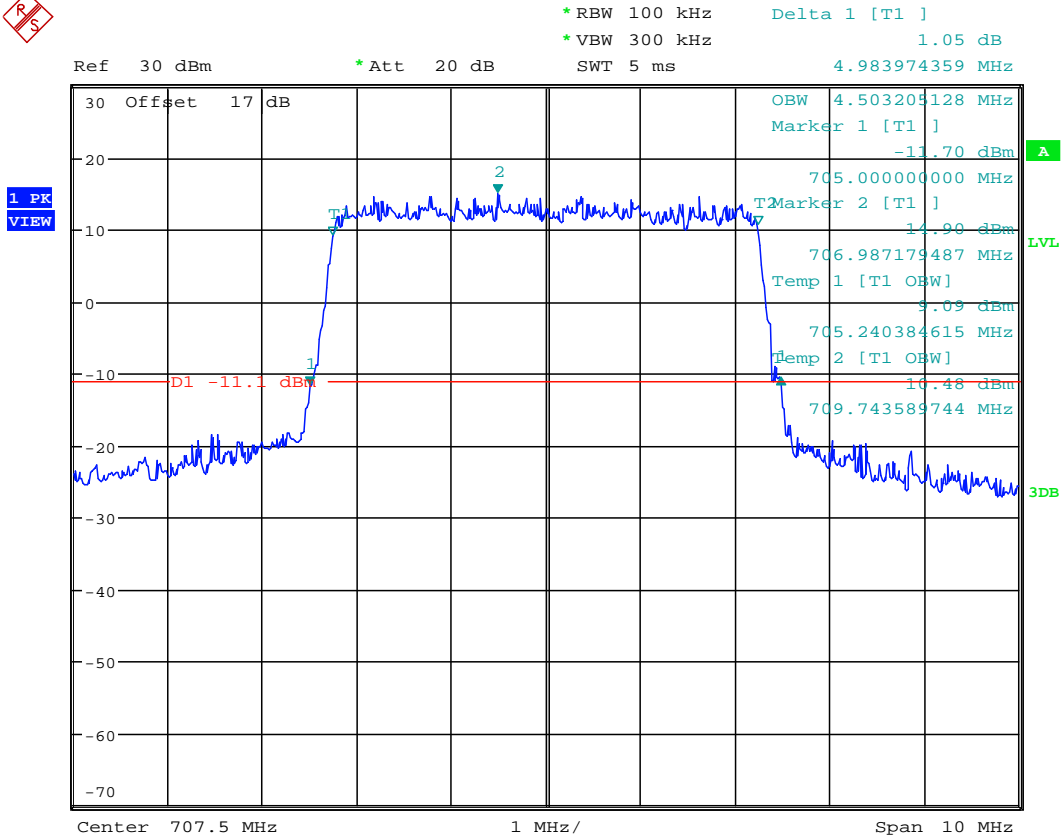
Date: 19.APR.2019 19:09:24



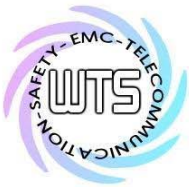
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



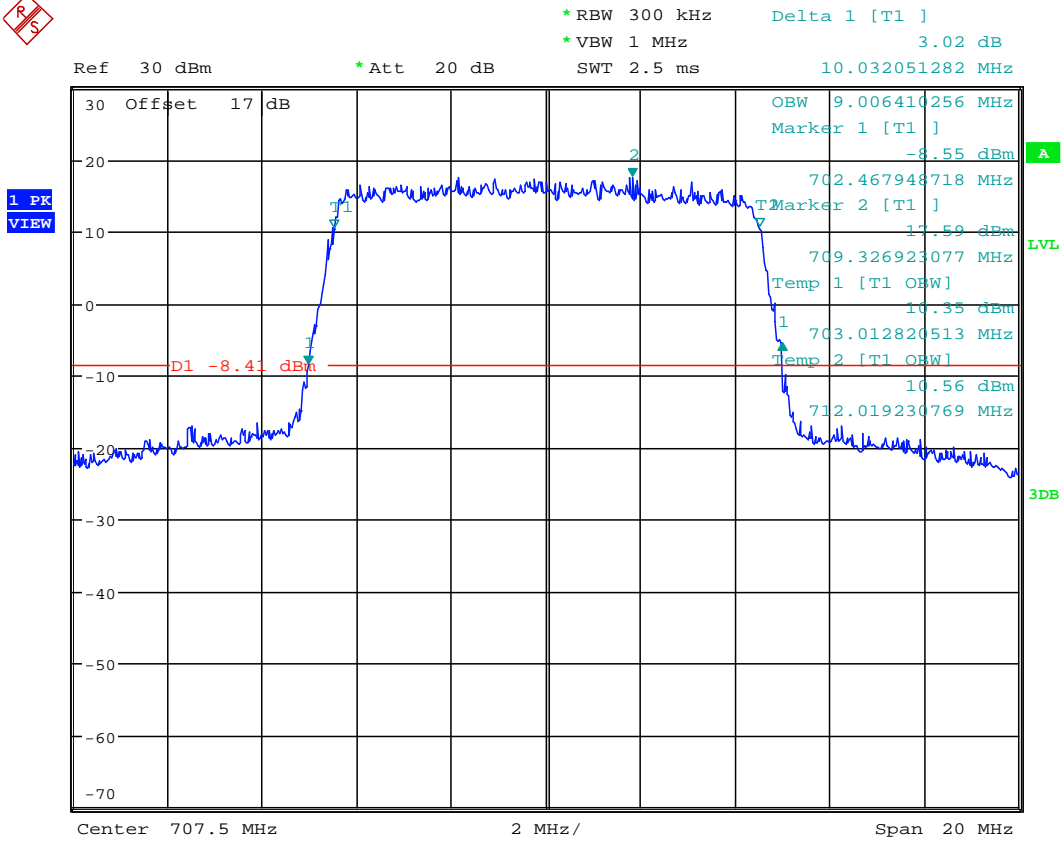
Date: 19.APR.2019 19:06:06



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Date: 19.APR.2019 19:03:57



Worldwide Testing Services(Taiwan) Co., Ltd.

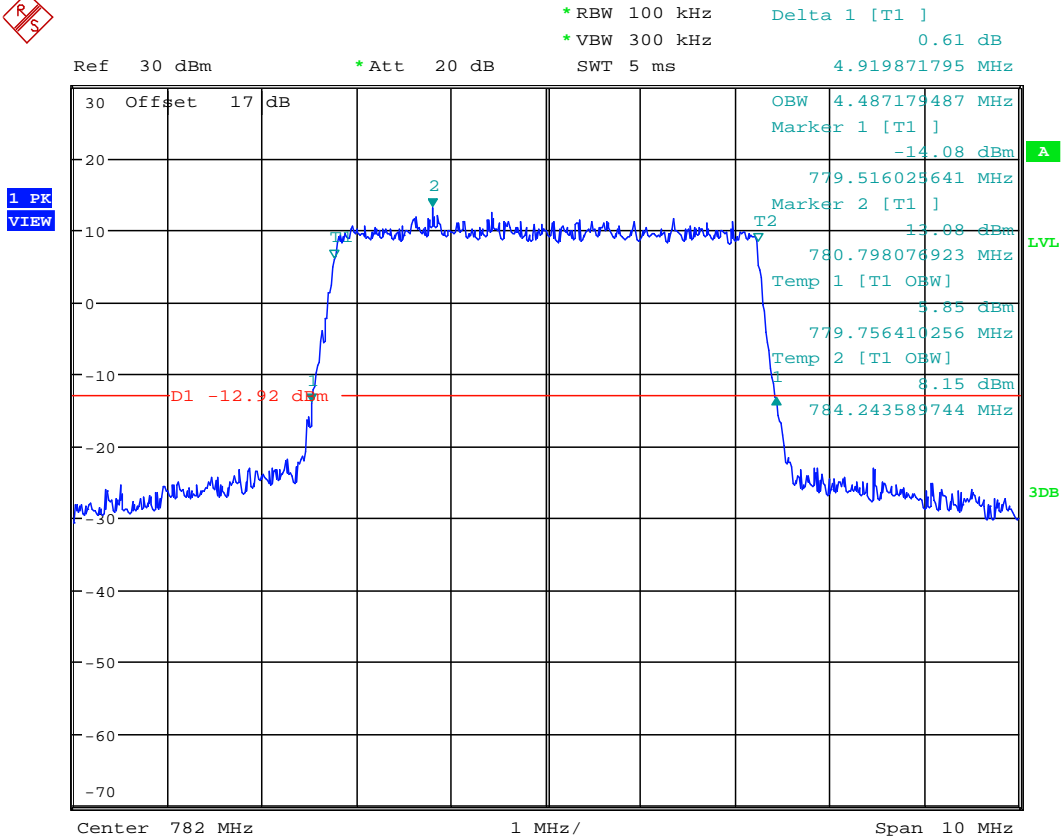
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

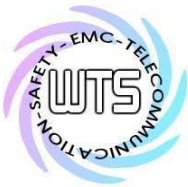
Band XIII

16QAM

5MHz



Date: 19.APR.2019 19:17:44



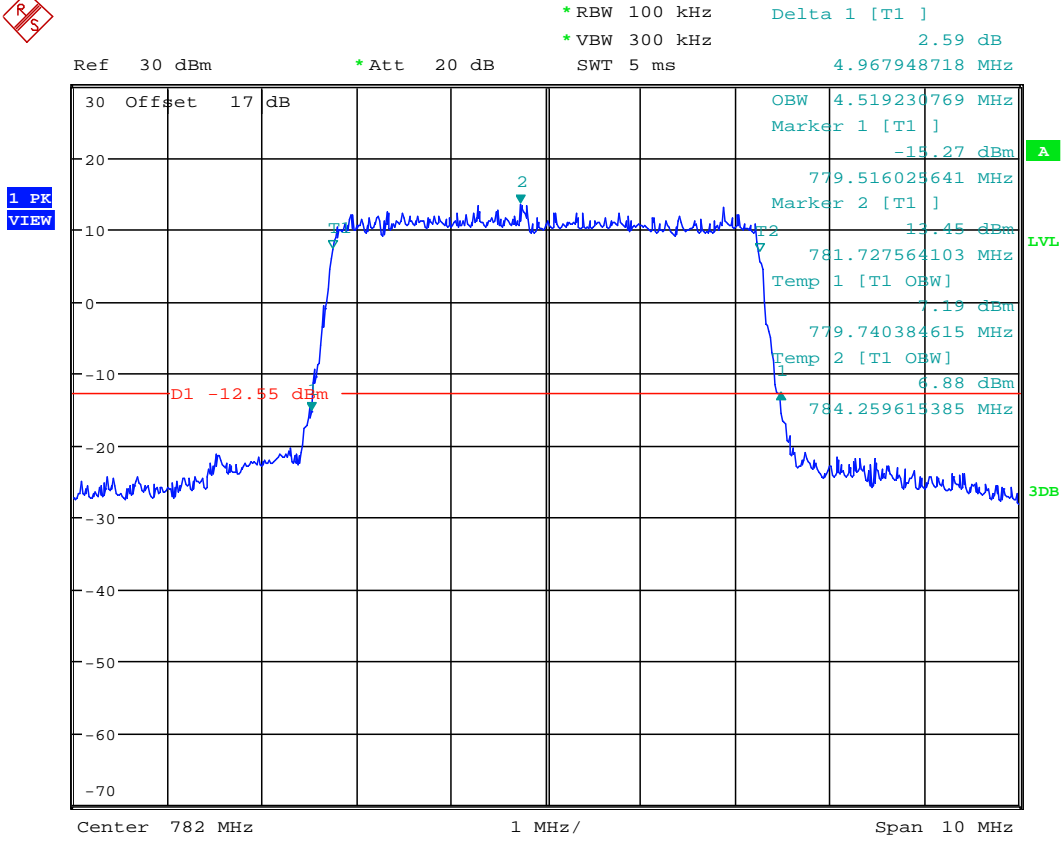
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

5MHz



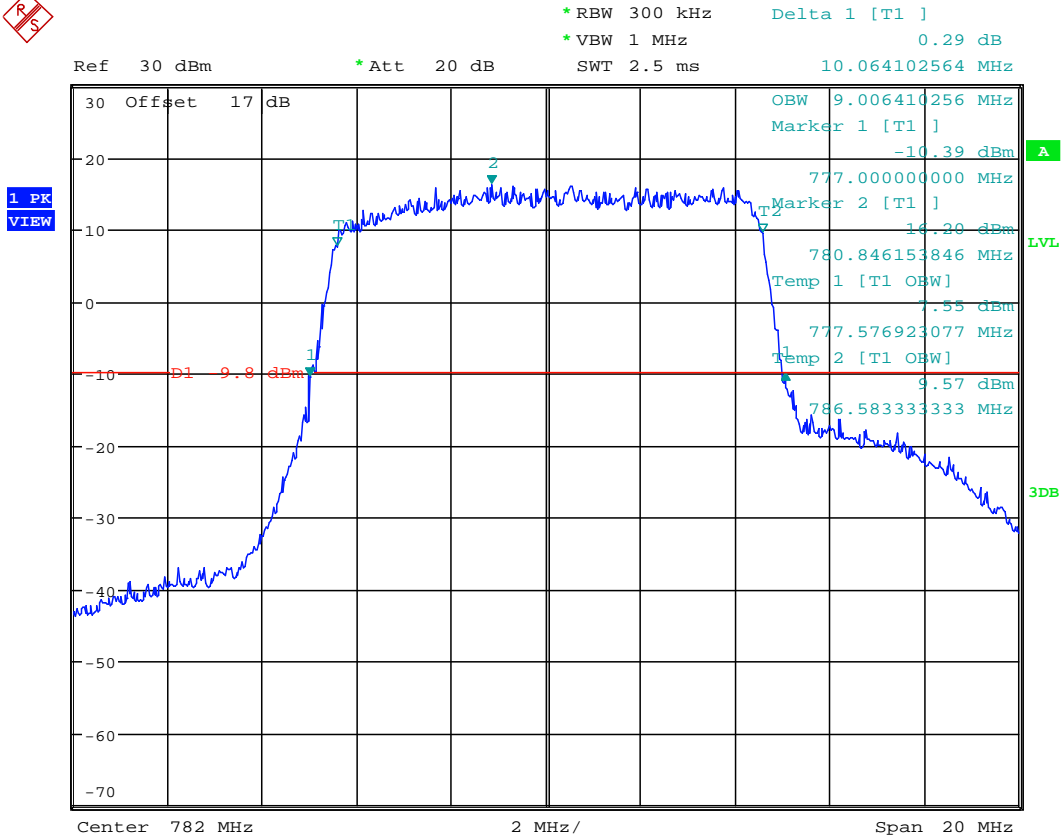
Date: 19.APR.2019 19:16:50



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Date: 19.APR.2019 19:15:37

Test equipment: ETSTW-RE 055, ETSTW-GSM 002, ETSTW-GSM 023, ETSTW-GSM 004

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

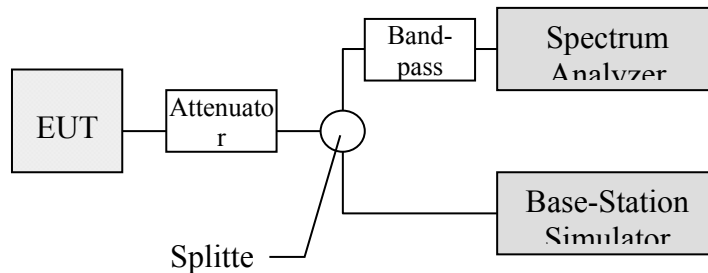
7. Spurious Emissions at Antenna Terminals

7.1 Test procedure

This transmitter output was connected to a calibrated coaxial attenuator, the other end of which was connected to a spectrum analyzer via a three-port splitter. Please refer to the following figure. Transmitter output was derived with the spectrum analyzer in dBm.

The Spurious Emissions at Antenna Terminals was measured by the spectrum analyzer with a suitable notch filter and/or Band-pass filter.

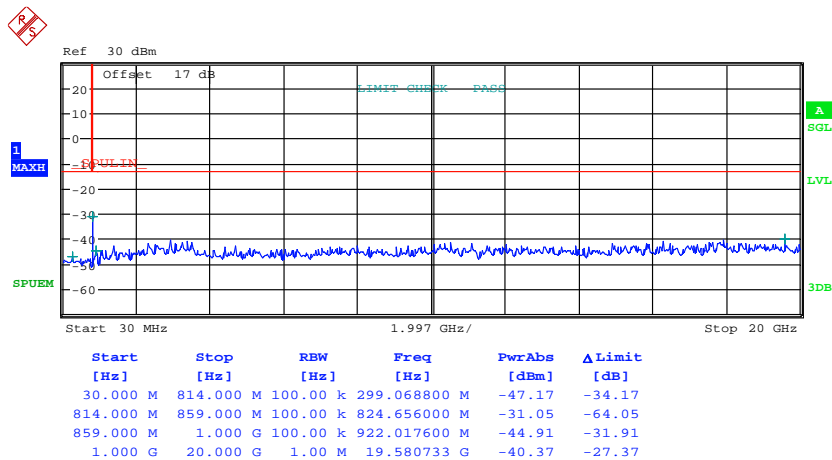
Tests were performed with an unmodulated carrier at three frequencies (low, middle and high channels) and on all power levels , which can be set-up on the transmitters.



7.2 Test Results

GSM

Band 850 MHz



CONDUCTED SPURIOUS EMISSION GSM850 CH128

Date: 17.APR.2019 19:50:13

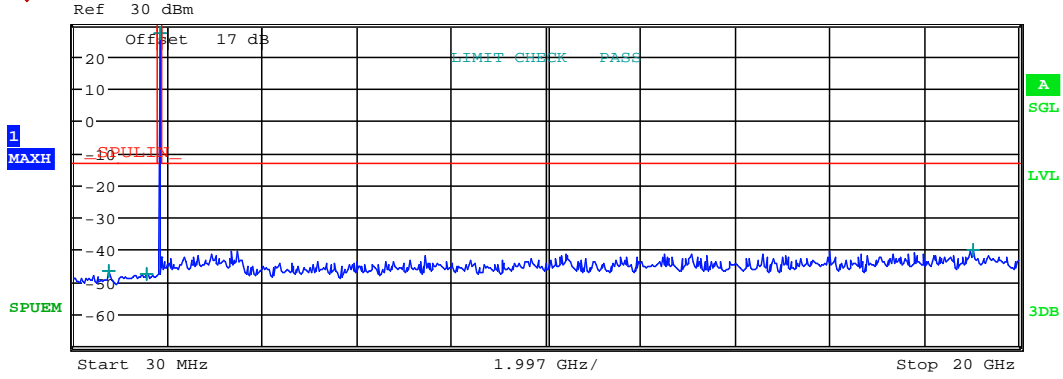


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band 1900 MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	764.872000 M	-46.92	-33.92
1.000 G	1.840 G	1.00 M	1.563136 G	-47.63	-34.63
1.840 G	1.910 G	1.00 M	1.850087 G	26.98	-6.02
1.910 G	20.000 G	1.00 M	19.043642 G	-40.36	-27.36

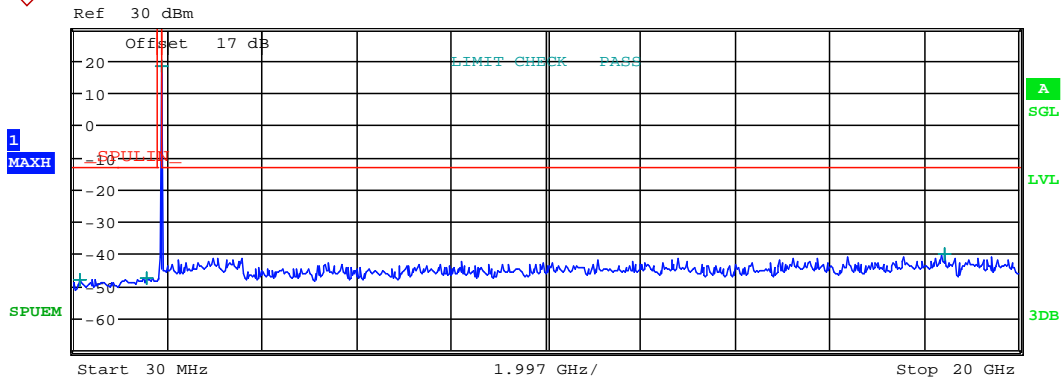
CONDUCTED SPURIOUS EMISSION GSM1900 CH512

Date: 17.APR.2019 19:53:57



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	161.823000 M	-48.17	-35.17
1.000 G	1.840 G	1.00 M	1.571620 G	-47.50	-34.50
1.840 G	1.910 G	1.00 M	1.878983 G	18.22	-14.78
1.910 G	20.000 G	1.00 M	18.426170 G	-40.34	-27.34

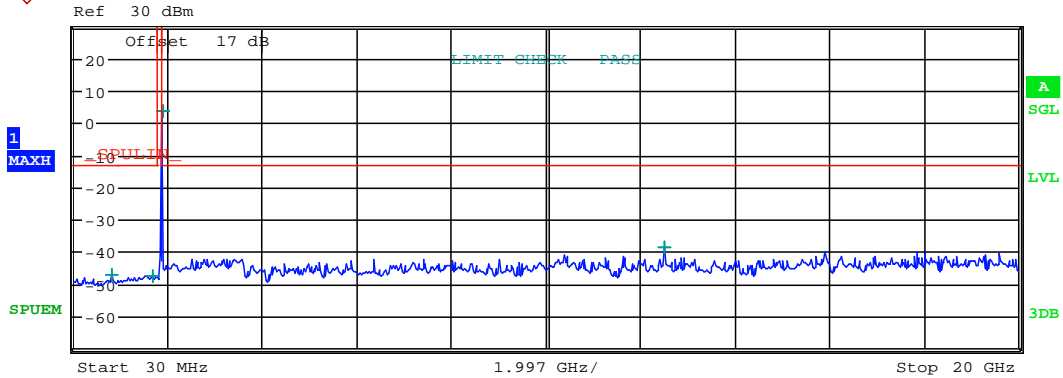
CONDUCTED SPURIOUS EMISSION GSM1900 CH661

Date: 17.APR.2019 19:54:24



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	817.931000 M	-47.21	-34.21
1.000 G	1.840 G	1.00 M	1.690732 G	-47.63	-34.63
1.840 G	1.910 G	1.00 M	1.907970 G	3.41	-29.59
1.910 G	20.000 G	1.00 M	12.511343 G	-38.66	-25.66

CONDUCTED SPURIOUS EMISSION GSM1900 CH810

Date: 17.APR.2019 19:54:50



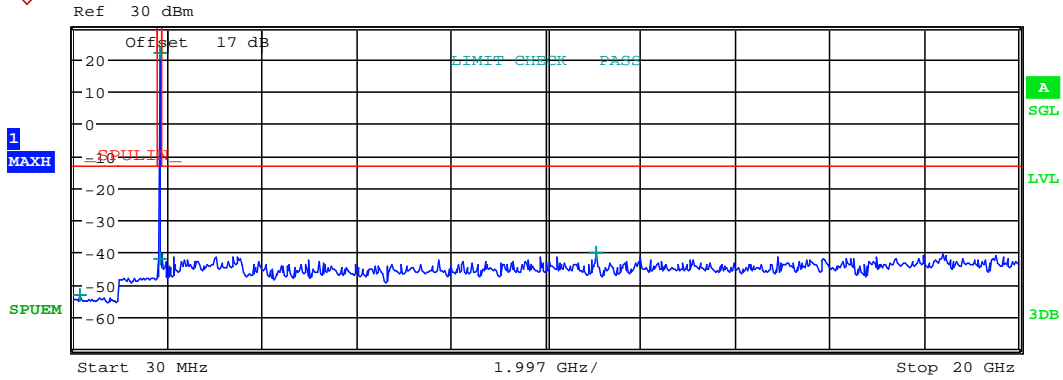
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

WCDMA

Band II



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	166.794872 M	-53.54	-40.54
1.000 G	1.840 G	1.00 M	1.838740 G	-42.24	-29.24
1.840 G	1.920 G	1.00 M	1.851557 G	21.86	-11.14
1.920 G	20.000 G	1.00 M	11.072699 G	-40.33	-27.33

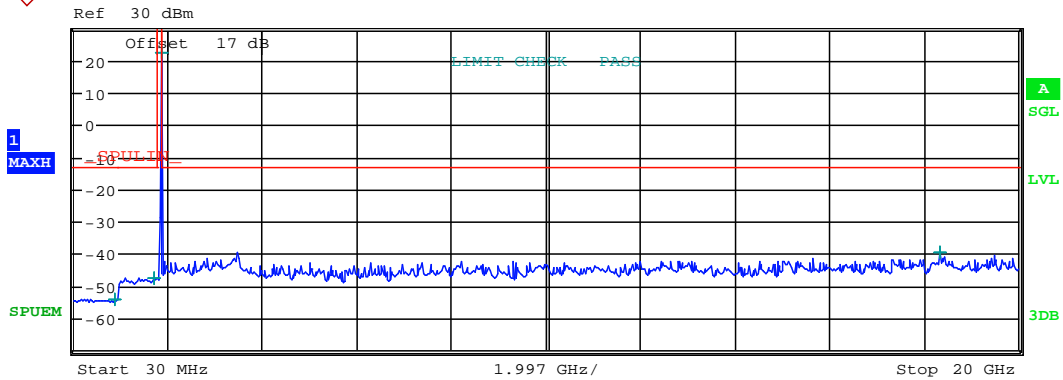
CONDUCTED SPURIOUS EMISSION WCDMA BAND2 CH9262

Date: 16.APR.2019 20:35:23



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	900.512821 M	-54.14	-41.14
1.000 G	1.840 G	1.00 M	1.732396 G	-47.49	-34.49
1.840 G	1.920 G	1.00 M	1.878656 G	22.23	-10.77
1.920 G	20.000 G	1.00 M	18.324587 G	-39.78	-26.78

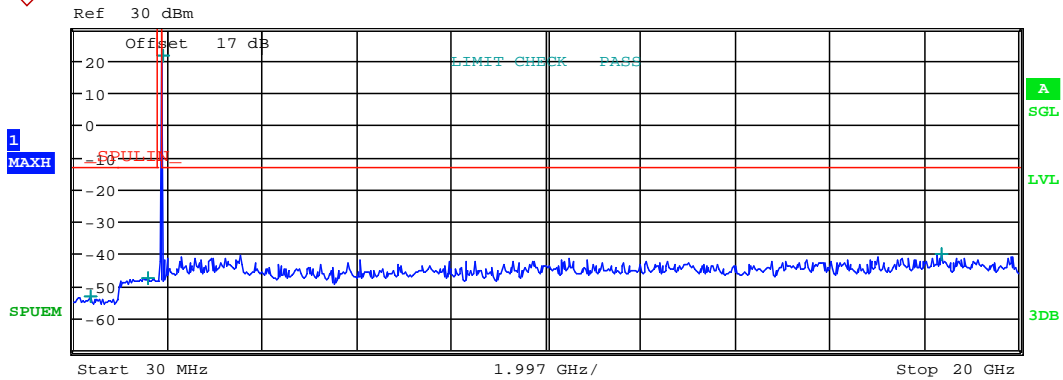
CONDUCTED SPURIOUS EMISSION WCDMA BAND2 CH9400

Date: 16.APR.2019 20:36:11



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	392.195513 M	-53.45	-40.45
1.000 G	1.840 G	1.00 M	1.593376 G	-47.84	-34.84
1.840 G	1.920 G	1.00 M	1.906672 G	21.31	-11.69
1.920 G	20.000 G	1.00 M	18.374608 G	-40.11	-27.11

CONDUCTED SPURIOUS EMISSION WCDMA BAND2 CH9538

Date: 16.APR.2019 20:37:01

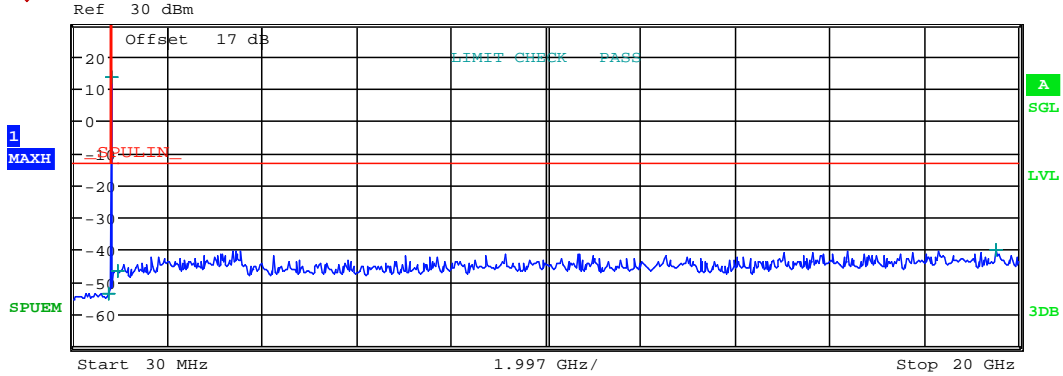


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band V



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	763.743590 M	-53.83	-40.83
814.000 M	859.000 M	100.00 k	827.563000 M	13.50	-19.50
859.000 M	1.000 G	100.00 k	943.938400 M	-46.56	-33.56
1.000 G	20.000 G	1.00 M	19.507900 G	-40.25	-27.25

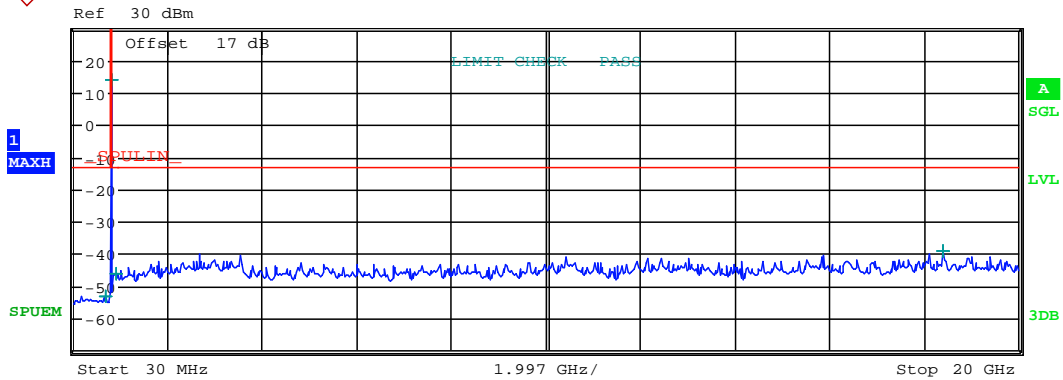
CONDUCTED SPURIOUS EMISSION WCDMA BAND5 CH4132

Date: 16.APR.2019 20:42:48



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	705.948718 M	-53.22	-40.22
814.000 M	859.000 M	100.00 k	835.217500 M	13.81	-19.19
859.000 M	1.000 G	100.00 k	932.573800 M	-46.12	-33.12
1.000 G	20.000 G	1.00 M	18.391333 G	-39.30	-26.30

CONDUCTED SPURIOUS EMISSION WCDMA BAND5 CH4183

Date: 16.APR.2019 20:43:24



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

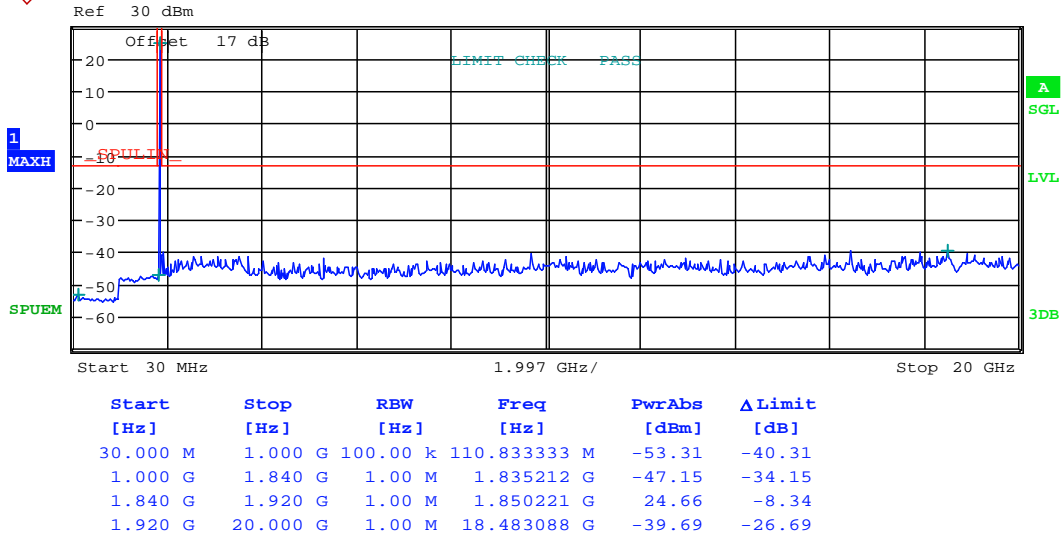
FCC ID: YY3-182010

LTE

Band II

16QAM

1.4MHz



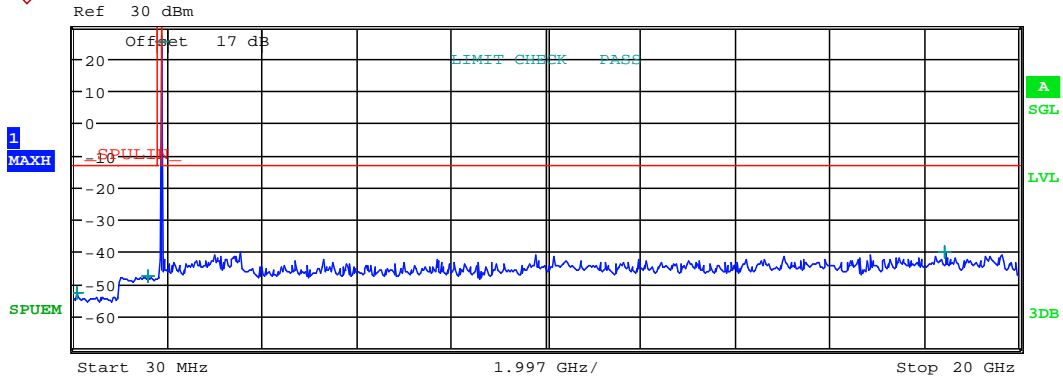
CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 1.4MHz CH18607

Date: 17.APR.2019 16:03:49



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	96.842949 M	-52.89	-39.89
1.000 G	1.840 G	1.00 M	1.596736 G	-47.92	-34.92
1.840 G	1.920 G	1.00 M	1.879611 G	25.13	-7.87
1.920 G	20.000 G	1.00 M	18.447531 G	-40.02	-27.02

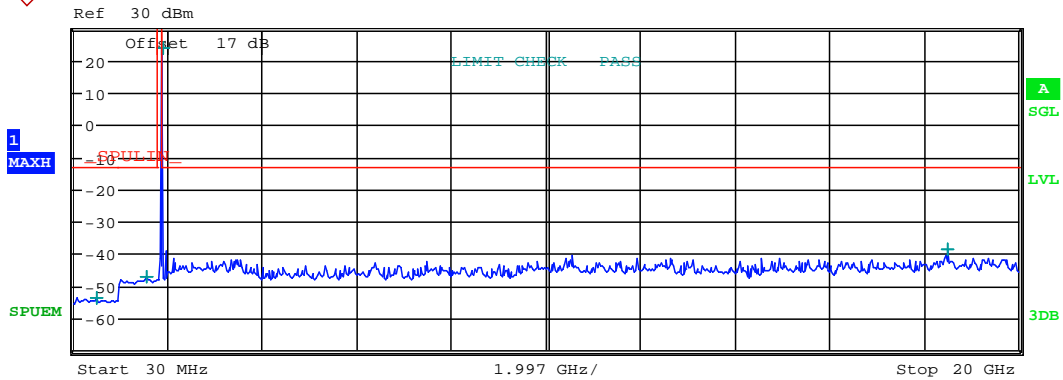
CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 1.4MHz CH18900

Date: 17.APR.2019 16:04:16



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	524.326923 M	-53.88	-40.88
1.000 G	1.840 G	1.00 M	1.577500 G	-47.27	-34.27
1.840 G	1.920 G	1.00 M	1.909011 G	23.85	-9.15
1.920 G	20.000 G	1.00 M	18.493936 G	-38.66	-25.66

CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 1.4MHz CH19193

Date: 17.APR.2019 16:04:47

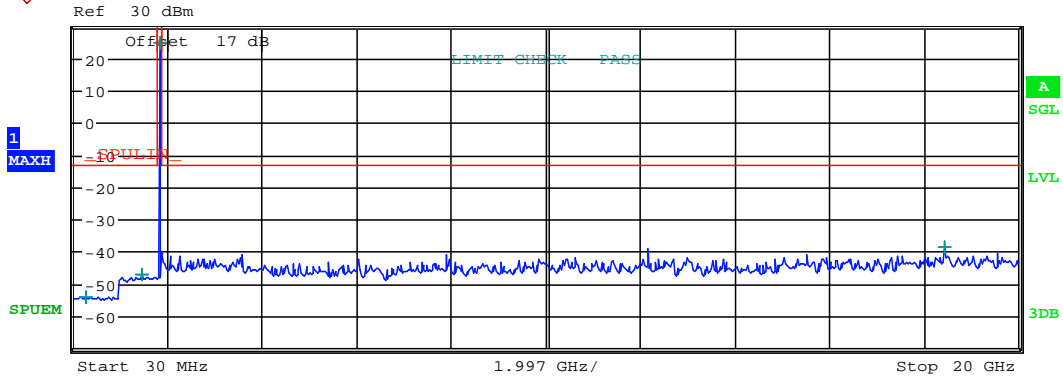


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	274.054487 M	-54.24	-41.24
1.000 G	1.840 G	1.00 M	1.485184 G	-47.18	-34.18
1.840 G	1.920 G	1.00 M	1.850272 G	24.71	-8.29
1.920 G	20.000 G	1.00 M	18.437285 G	-38.79	-25.79

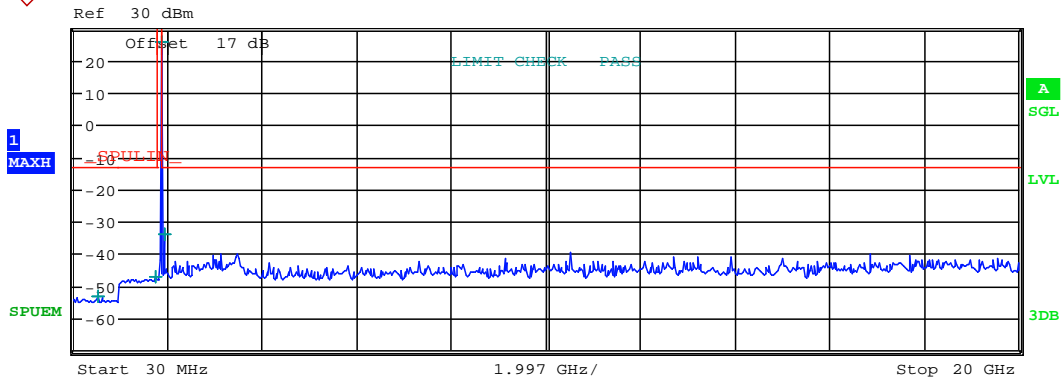
CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 3MHz CH18615

Date: 17.APR.2019 16:09:11



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	528.990385 M	-53.28	-40.28
1.000 G	1.840 G	1.00 M	1.748440 G	-47.43	-34.43
1.840 G	1.920 G	1.00 M	1.878723 G	25.31	-7.69
1.920 G	20.000 G	1.00 M	1.960981 G	-34.17	-21.17

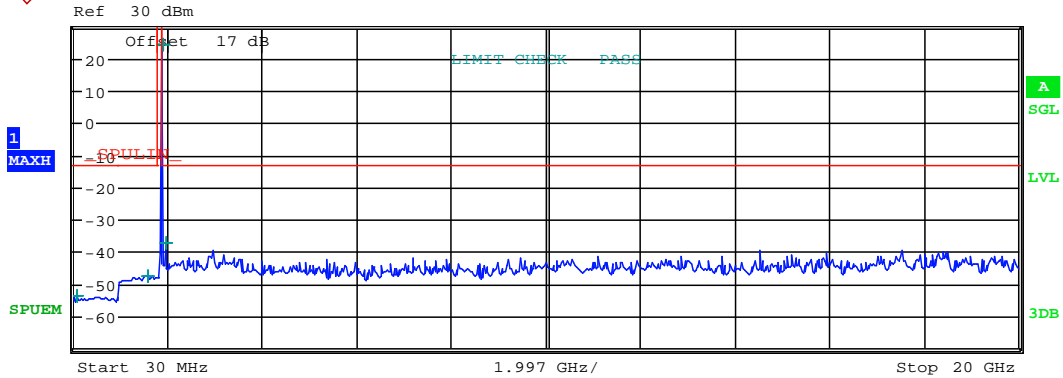
CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 3MHz CH18900

Date: 17.APR.2019 16:08:36



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	95.288462 M	-53.98	-40.98
1.000 G	1.840 G	1.00 M	1.586236 G	-47.56	-34.56
1.840 G	1.920 G	1.00 M	1.907280 G	24.26	-8.74
1.920 G	20.000 G	1.00 M	1.989307 G	-37.36	-24.36

CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 3MHz CH19185

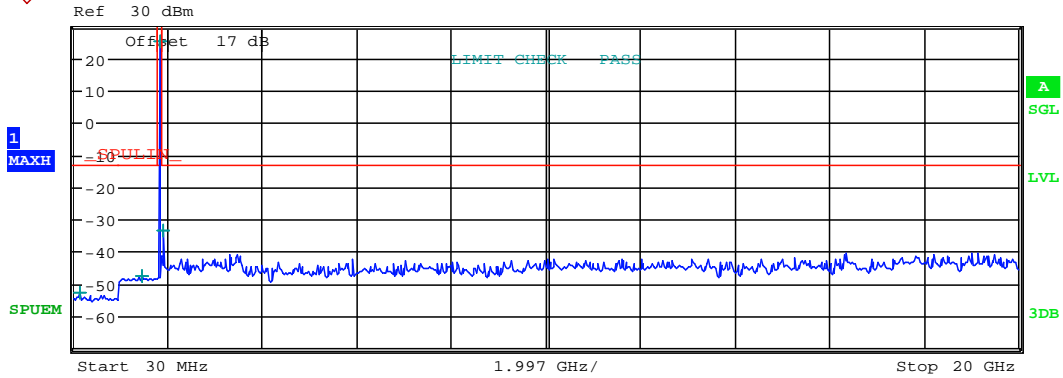
Date: 17.APR.2019 16:08:02



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

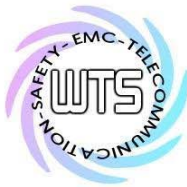
5MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	166.794872 M	-52.78	-39.78
1.000 G	1.840 G	1.00 M	1.470316 G	-47.80	-34.80
1.840 G	1.920 G	1.00 M	1.850336 G	25.15	-7.85
1.920 G	20.000 G	1.00 M	1.932656 G	-33.39	-20.39

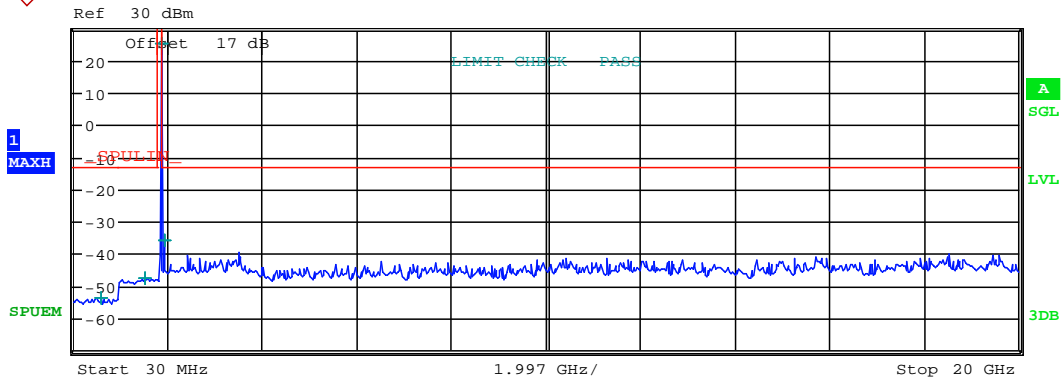
CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 5MHz CH18625

Date: 17.APR.2019 16:15:32



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	591.169872 M	-53.57	-40.57
1.000 G	1.840 G	1.00 M	1.547848 G	-47.74	-34.74
1.840 G	1.920 G	1.00 M	1.877931 G	25.29	-7.71
1.920 G	20.000 G	1.00 M	1.957968 G	-36.15	-23.15

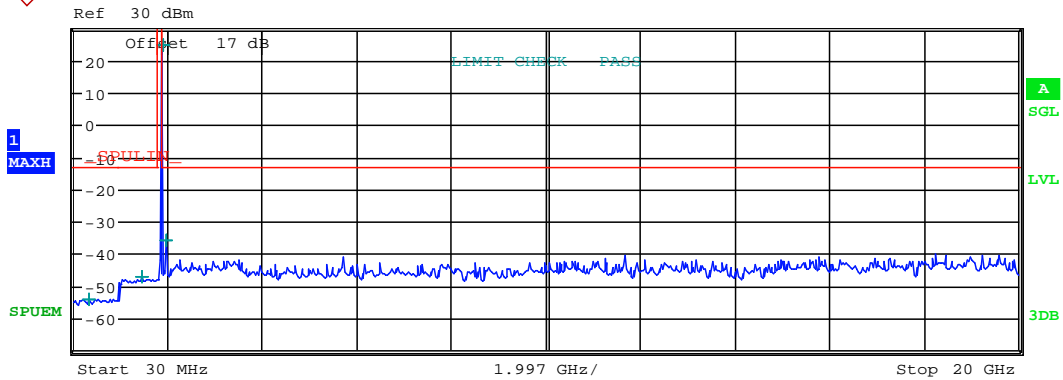
CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 5MHz CH18900

Date: 17.APR.2019 16:14:59



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	342.451923 M	-54.11	-41.11
1.000 G	1.840 G	1.00 M	1.460488 G	-47.23	-34.23
1.840 G	1.920 G	1.00 M	1.905317 G	24.55	-8.45
1.920 G	20.000 G	1.00 M	1.985691 G	-35.87	-22.87

CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 5MHz CH19175

Date: 17.APR.2019 16:14:25

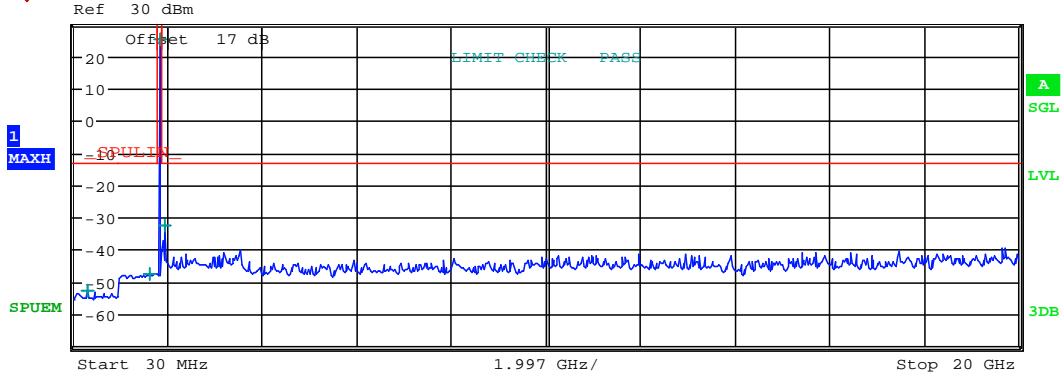


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	326.907051 M	-53.00	-40.00
1.000 G	1.840 G	1.00 M	1.622188 G	-47.57	-34.57
1.840 G	1.920 G	1.00 M	1.850632 G	25.14	-7.86
1.920 G	20.000 G	1.00 M	1.935669 G	-32.62	-19.62

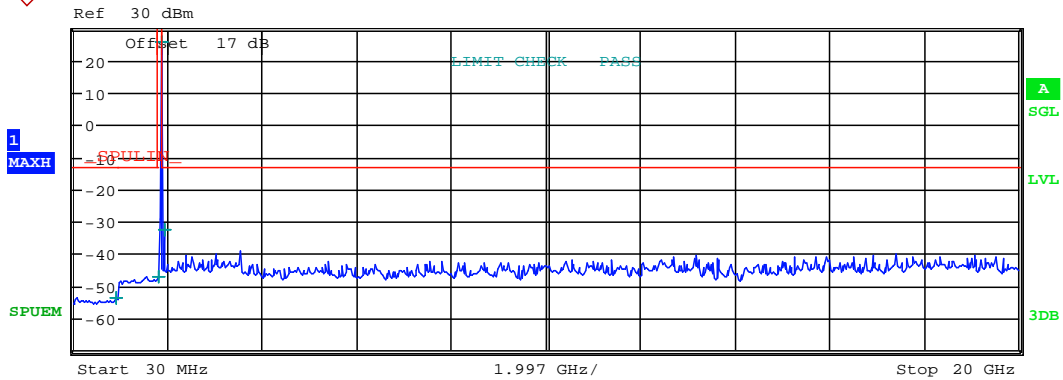
CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 10MHz CH18650

Date: 17.APR.2019 16:19:58



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	914.503205 M	-53.59	-40.59
1.000 G	1.840 G	1.00 M	1.836724 G	-47.13	-34.13
1.840 G	1.920 G	1.00 M	1.875608 G	25.50	-7.50
1.920 G	20.000 G	1.00 M	1.963995 G	-32.88	-19.88

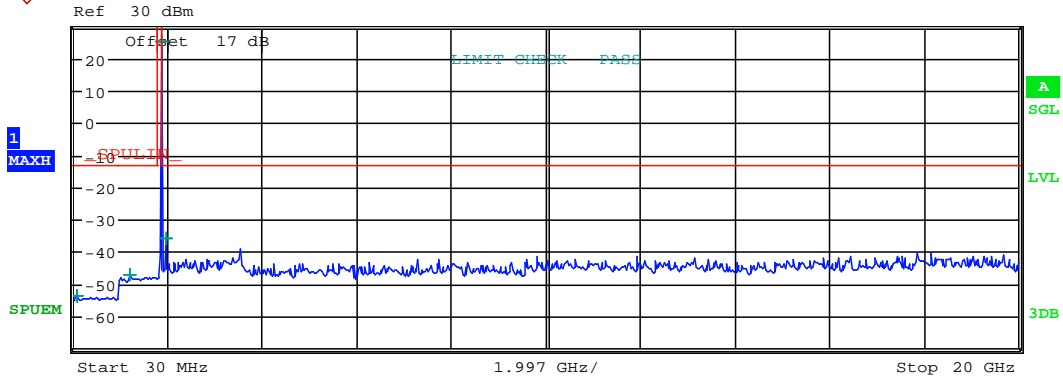
CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 10MHz CH18900

Date: 17.APR.2019 16:19:31



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	96.842949 M	-53.87	-40.87
1.000 G	1.840 G	1.00 M	1.215208 G	-47.46	-34.46
1.840 G	1.920 G	1.00 M	1.900597 G	25.18	-7.82
1.920 G	20.000 G	1.00 M	1.985088 G	-36.15	-23.15

CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 10MHz CH19150

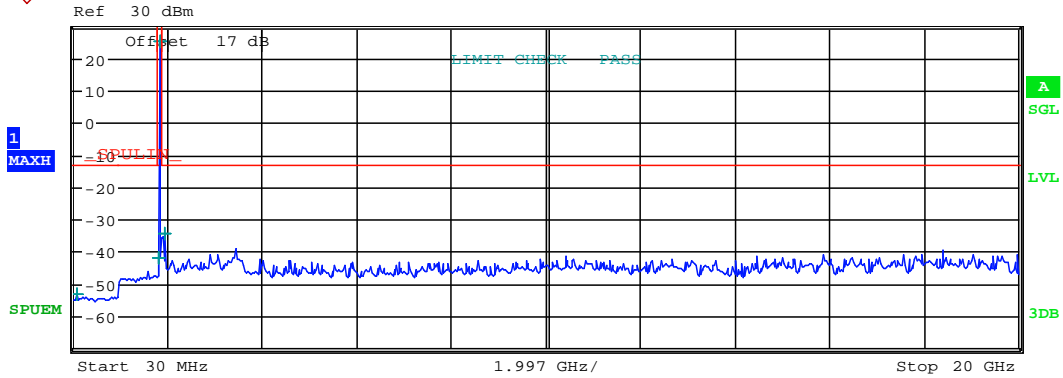
Date: 17.APR.2019 16:19:01



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	96.842949 M	-53.20	-40.20
1.000 G	1.840 G	1.00 M	1.837648 G	-42.10	-29.10
1.840 G	1.920 G	1.00 M	1.850864 G	25.10	-7.90
1.920 G	20.000 G	1.00 M	1.941696 G	-34.77	-21.77

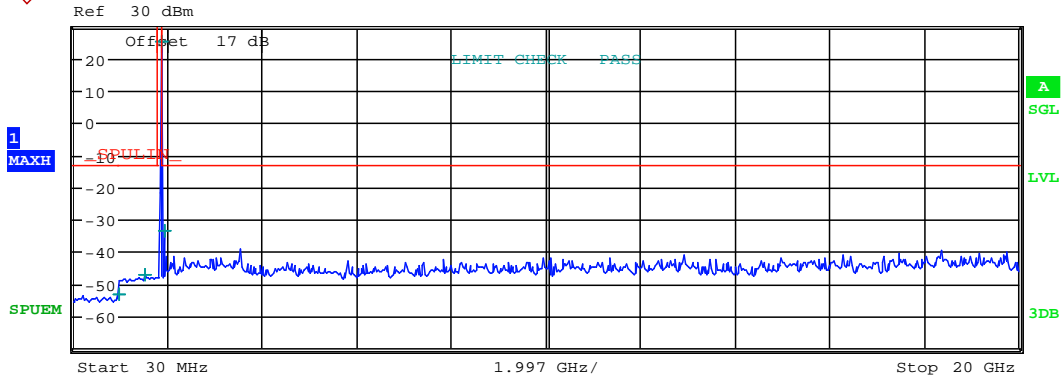
CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 15MHZ CH18675

Date: 17.APR.2019 16:23:40



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



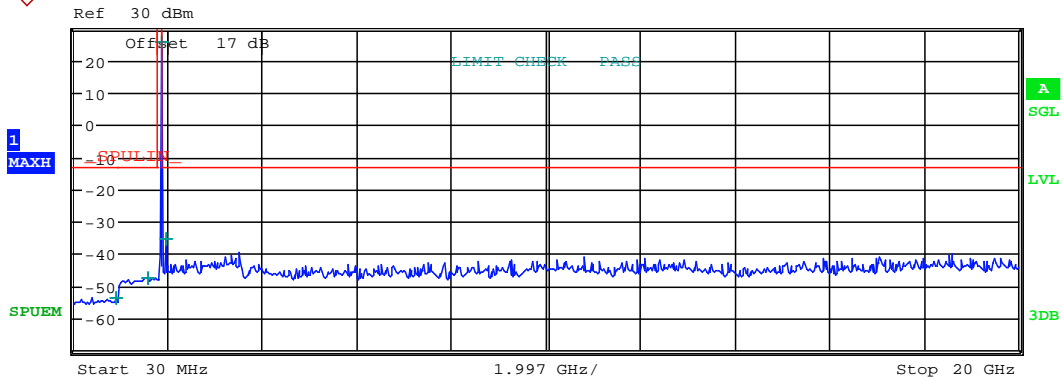
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	981.346154 M	-53.54	-40.54
1.000 G	1.840 G	1.00 M	1.527856 G	-47.17	-34.17
1.840 G	1.920 G	1.00 M	1.873328 G	25.25	-7.75
1.920 G	20.000 G	1.00 M	1.959776 G	-33.54	-20.54

CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 15MHz CH18900

Date: 17.APR.2019 16:23:14



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	939.375000 M	-53.87	-40.87
1.000 G	1.840 G	1.00 M	1.605136 G	-47.64	-34.64
1.840 G	1.920 G	1.00 M	1.895869 G	25.54	-7.46
1.920 G	20.000 G	1.00 M	1.978459 G	-35.57	-22.57

CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 15MHz CH19125

Date: 17.APR.2019 16:22:45

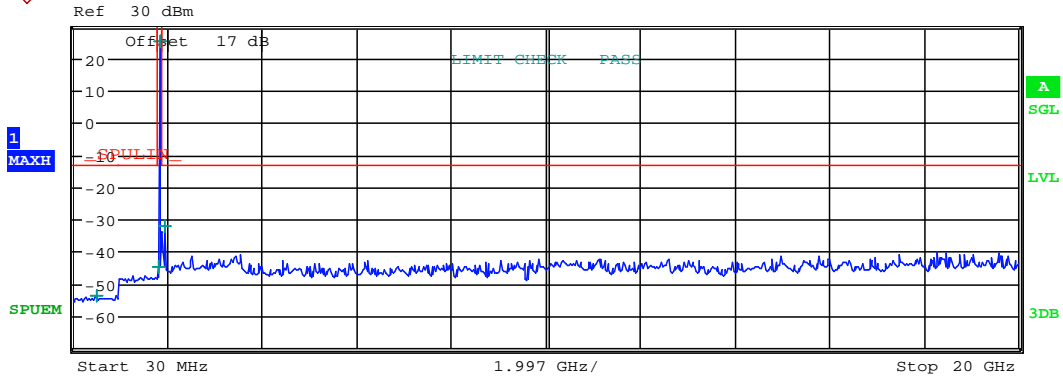


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	510.336538 M	-53.78	-40.78
1.000 G	1.840 G	1.00 M	1.833196 G	-45.11	-32.11
1.840 G	1.920 G	1.00 M	1.851045 G	25.20	-7.80
1.920 G	20.000 G	1.00 M	1.948325 G	-32.27	-19.27

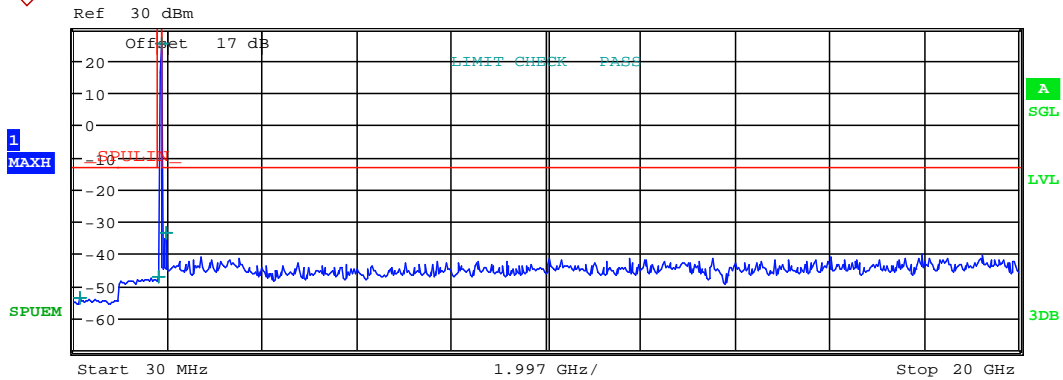
CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 20MHz CH18700

Date: 17.APR.2019 16:27:30



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	166.794872 M	-53.72	-40.72
1.000 G	1.840 G	1.00 M	1.835548 G	-47.28	-34.28
1.840 G	1.920 G	1.00 M	1.871040 G	25.30	-7.70
1.920 G	20.000 G	1.00 M	1.967611 G	-33.50	-20.50

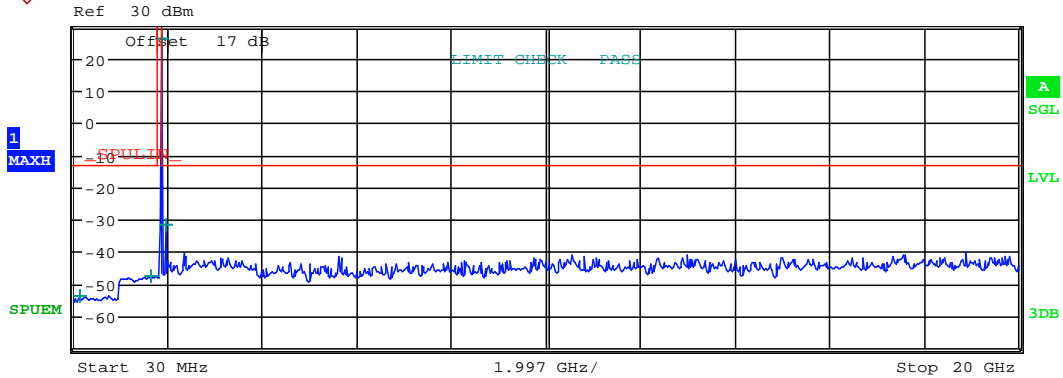
CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 20MHz CH18900

Date: 17.APR.2019 16:27:04



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	148.141026 M	-53.85	-40.85
1.000 G	1.840 G	1.00 M	1.676788 G	-47.66	-34.66
1.840 G	1.920 G	1.00 M	1.891163 G	25.82	-7.18
1.920 G	20.000 G	1.00 M	1.978459 G	-31.96	-18.96

CONDUCTED SPURIOUS EMISSION BAND2 16QAM 1RB 20MHz CH19100

Date: 17.APR.2019 16:26:37



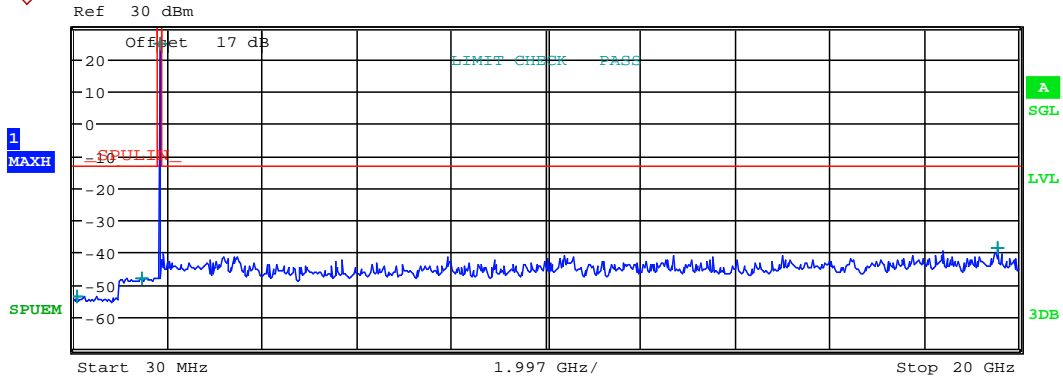
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

1.4MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	96.842949 M	-53.74	-40.74
1.000 G	1.840 G	1.00 M	1.484092 G	-48.03	-35.03
1.840 G	1.920 G	1.00 M	1.850264 G	24.71	-8.29
1.920 G	20.000 G	1.00 M	19.555232 G	-38.86	-25.86

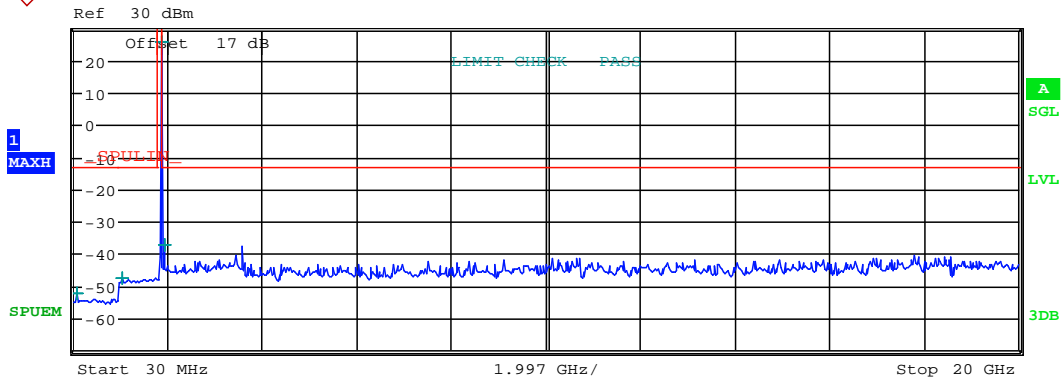
CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 1.4MHz CH18607

Date: 17.APR.2019 16:01:16



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	96.842949 M	-52.47	-39.47
1.000 G	1.840 G	1.00 M	1.039312 G	-47.90	-34.90
1.840 G	1.920 G	1.00 M	1.879536 G	25.49	-7.51
1.920 G	20.000 G	1.00 M	1.960379 G	-37.49	-24.49

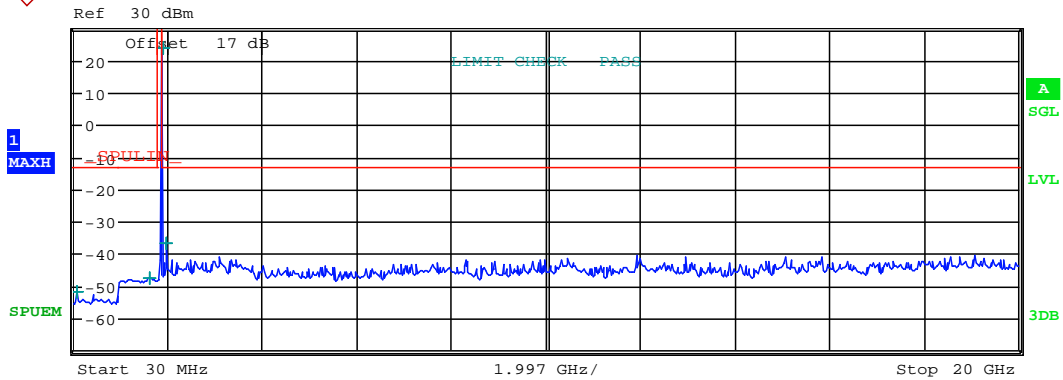
CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 1.4MHz CH18900

Date: 17.APR.2019 16:02:01



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	96.842949 M	-51.74	-38.74
1.000 G	1.840 G	1.00 M	1.630756 G	-47.54	-34.54
1.840 G	1.920 G	1.00 M	1.908901 G	23.83	-9.17
1.920 G	20.000 G	1.00 M	1.989307 G	-37.01	-24.01

CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 1.4MHz CH19193

Date: 17.APR.2019 16:02:33

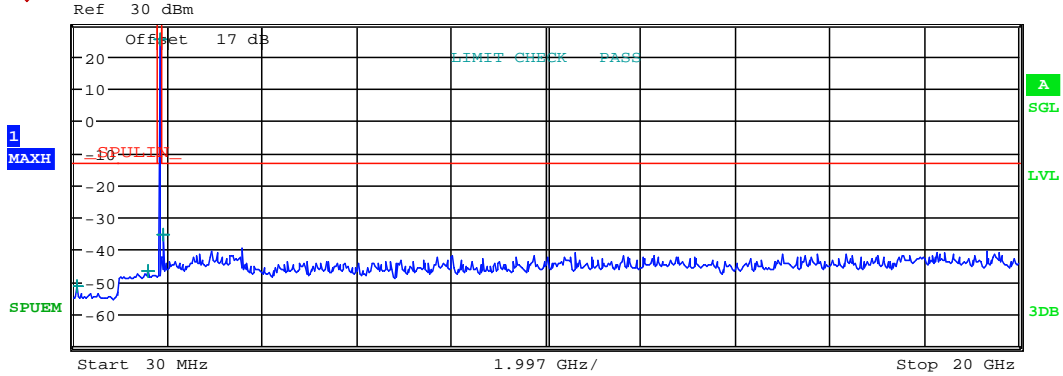


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

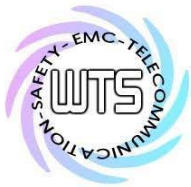
3MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	96.842949 M	-51.58	-38.58
1.000 G	1.840 G	1.00 M	1.584808 G	-46.95	-33.95
1.840 G	1.920 G	1.00 M	1.850205 G	24.90	-8.10
1.920 G	20.000 G	1.00 M	1.929643 G	-35.57	-22.57

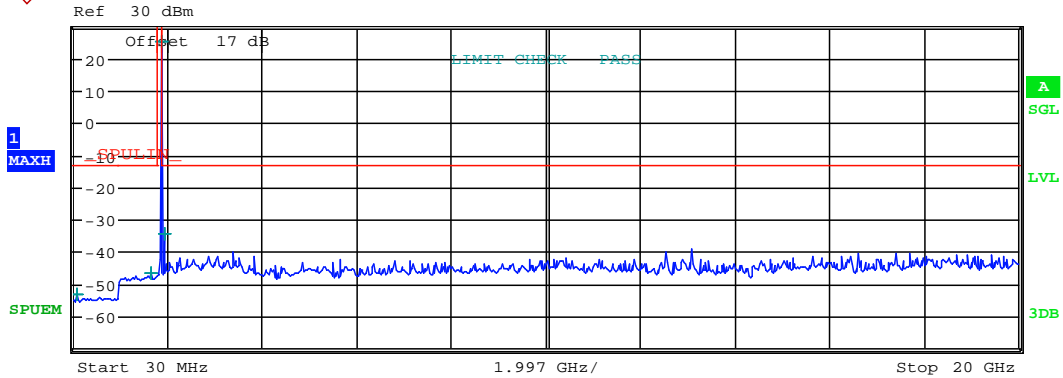
CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 3MHz CH18615

Date: 17.APR.2019 16:06:09



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	96.842949 M	-53.25	-40.25
1.000 G	1.840 G	1.00 M	1.655368 G	-46.98	-33.98
1.840 G	1.920 G	1.00 M	1.878621 G	25.20	-7.80
1.920 G	20.000 G	1.00 M	1.960379 G	-34.52	-21.52

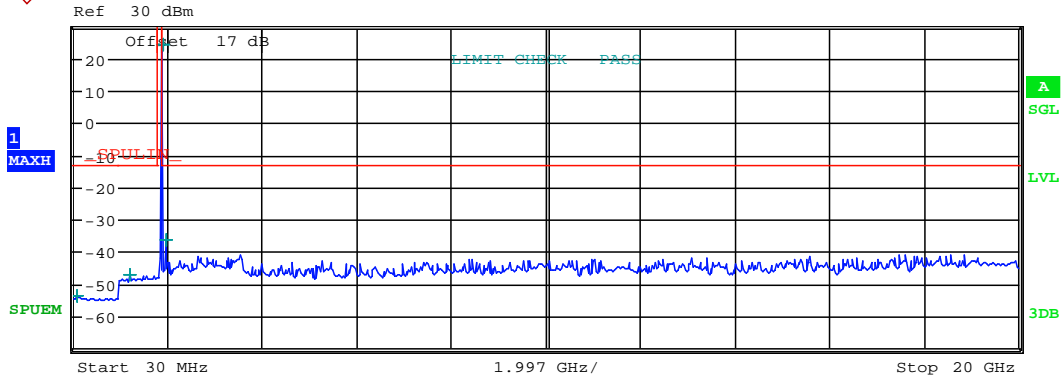
CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 3MHz CH18900

Date: 17.APR.2019 16:06:45



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	96.842949 M	-53.93	-40.93
1.000 G	1.840 G	1.00 M	1.209244 G	-47.10	-34.10
1.840 G	1.920 G	1.00 M	1.907315 G	24.27	-8.73
1.920 G	20.000 G	1.00 M	1.988704 G	-36.58	-23.58

CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 3MHz CH19185

Date: 17.APR.2019 16:07:16

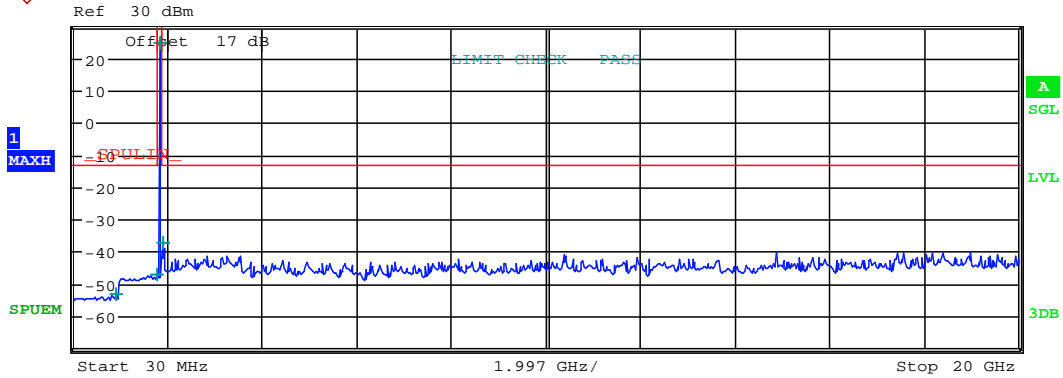


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



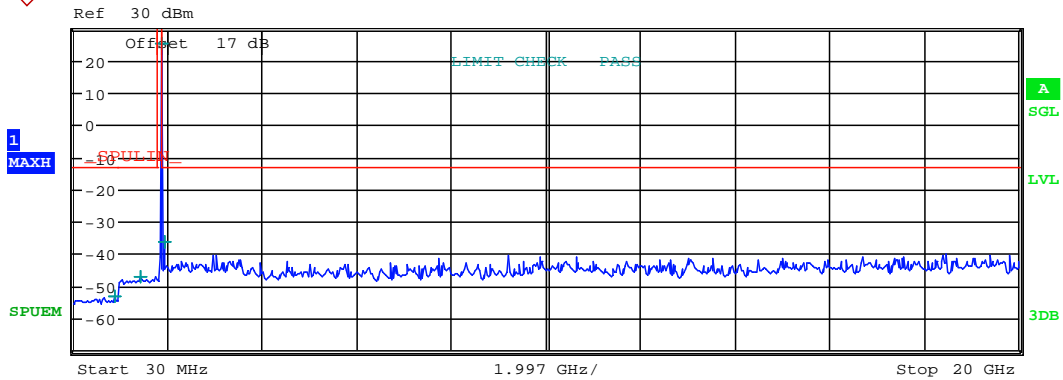
CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 5MHz CH18625

Date: 17.APR.2019 16:12:29



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



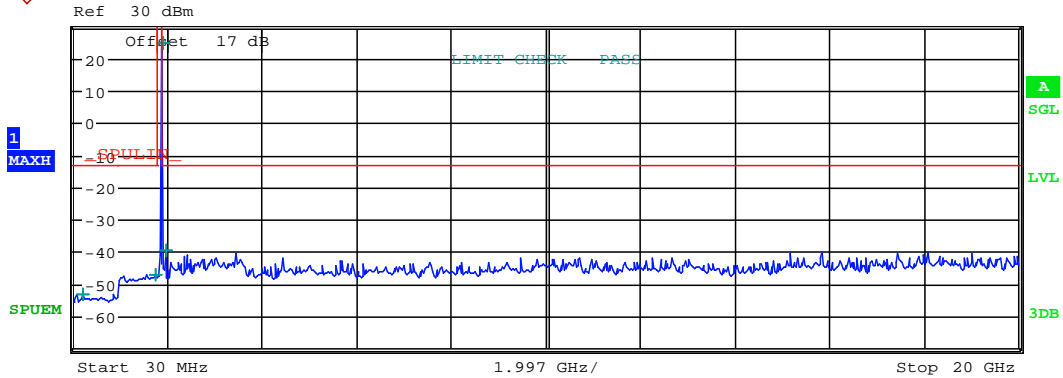
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	897.403846 M	-53.54	-40.54
1.000 G	1.840 G	1.00 M	1.445032 G	-47.34	-34.34
1.840 G	1.920 G	1.00 M	1.877883 G	25.24	-7.76
1.920 G	20.000 G	1.00 M	1.958571 G	-36.26	-23.26

CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 5MHz CH18900

Date: 17.APR.2019 16:13:03



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	227.419872 M	-53.34	-40.34
1.000 G	1.840 G	1.00 M	1.759444 G	-47.24	-34.24
1.840 G	1.920 G	1.00 M	1.905384 G	24.42	-8.58
1.920 G	20.000 G	1.00 M	1.988704 G	-39.72	-26.72

CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 5MHz CH19175

Date: 17.APR.2019 16:13:46

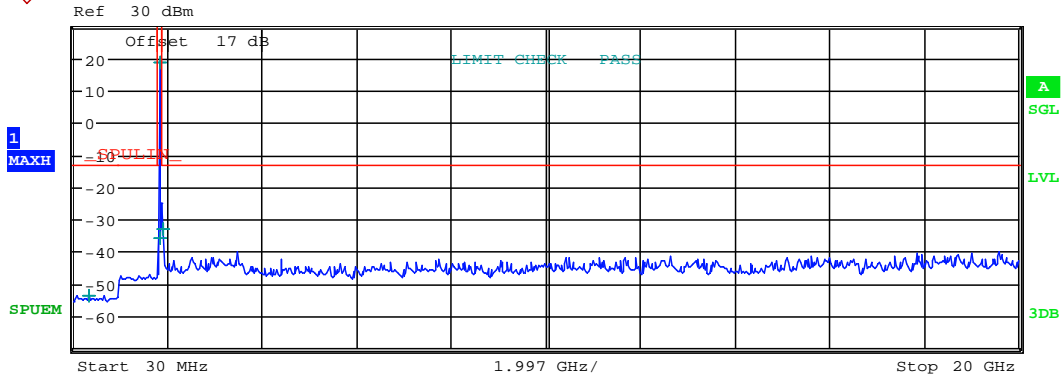


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	340.897436 M	-53.67	-40.67
1.000 G	1.840 G	1.00 M	1.839580 G	-35.82	-22.82
1.840 G	1.920 G	1.00 M	1.855133 G	18.67	-14.33
1.920 G	20.000 G	1.00 M	1.933259 G	-33.19	-20.19

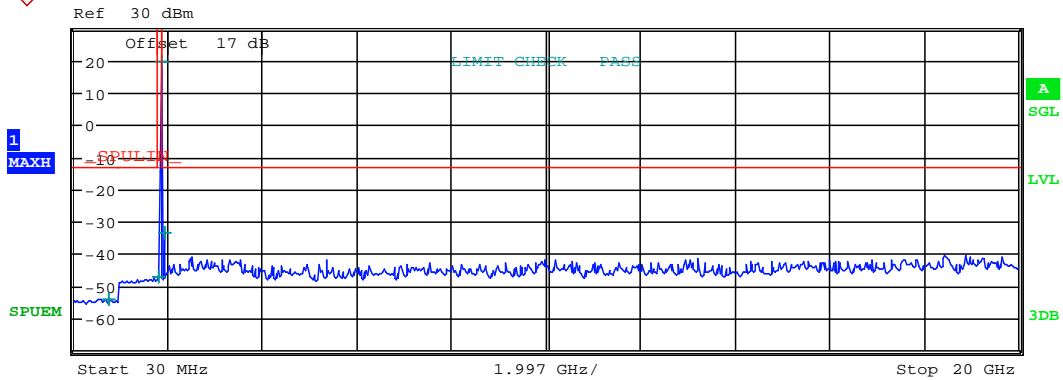
CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 10MHz CH18650

Date: 17.APR.2019 16:17:11



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



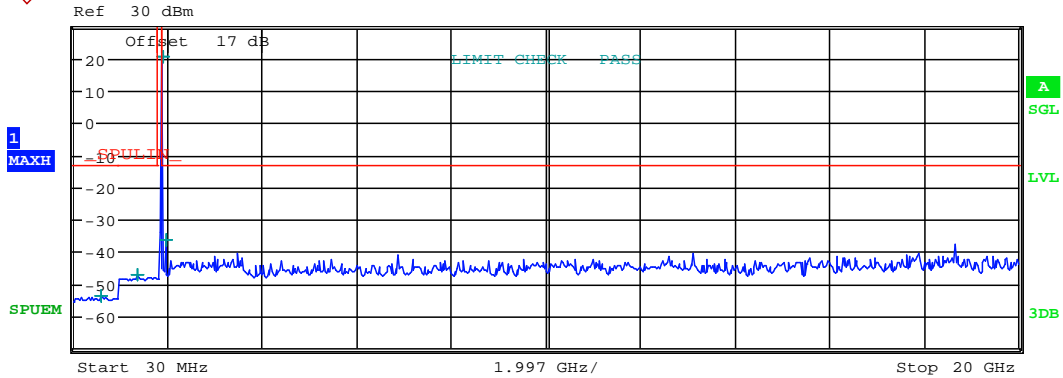
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	780.817308 M	-54.31	-41.31
1.000 G	1.840 G	1.00 M	1.834456 G	-47.33	-34.33
1.840 G	1.920 G	1.00 M	1.876037 G	19.32	-13.68
1.920 G	20.000 G	1.00 M	1.961584 G	-33.85	-20.85

CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 10MHz CH18900

Date: 17.APR.2019 16:17:38



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	606.714744 M	-54.00	-41.00
1.000 G	1.840 G	1.00 M	1.377244 G	-47.30	-34.30
1.840 G	1.920 G	1.00 M	1.903307 G	20.23	-12.77
1.920 G	20.000 G	1.00 M	1.982075 G	-36.37	-23.37

CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 10MHz CH19150

Date: 17.APR.2019 16:18:12

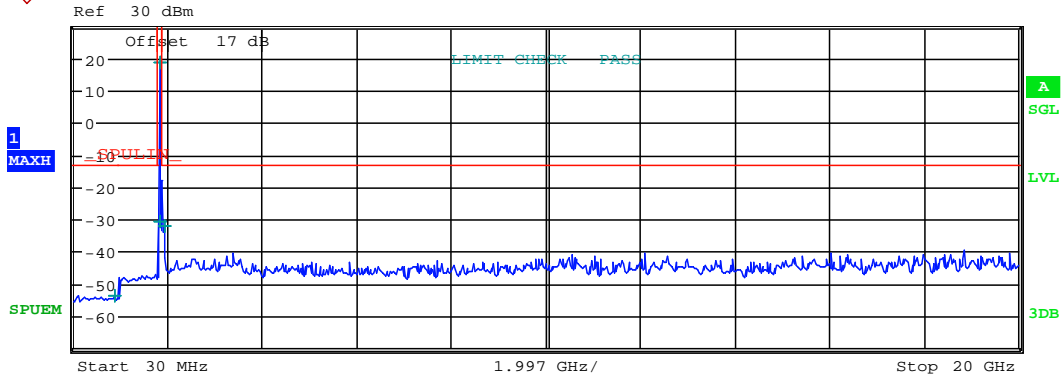


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	886.522436 M	-53.80	-40.80
1.000 G	1.840 G	1.00 M	1.838992 G	-30.76	-17.76
1.840 G	1.920 G	1.00 M	1.862323 G	18.35	-14.65
1.920 G	20.000 G	1.00 M	1.939285 G	-32.06	-19.06

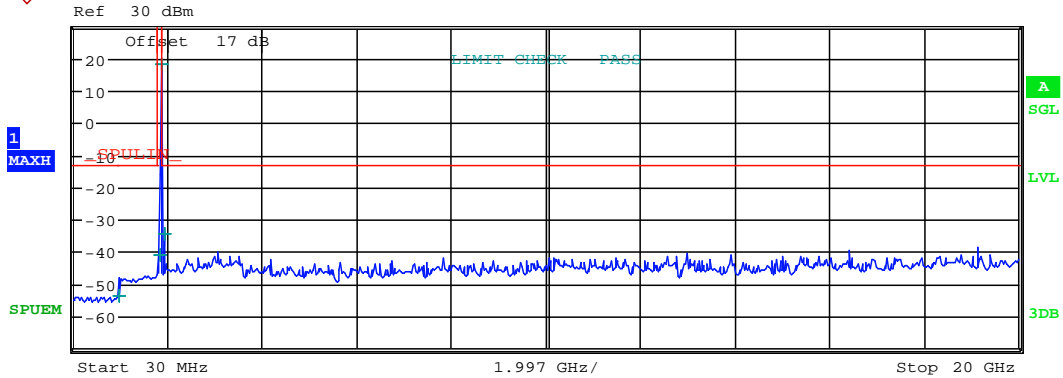
CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 15MHz CH18675

Date: 17.APR.2019 16:21:08



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	979.791667 M	-53.89	-40.89
1.000 G	1.840 G	1.00 M	1.838488 G	-41.36	-28.36
1.840 G	1.920 G	1.00 M	1.878789 G	18.10	-14.90
1.920 G	20.000 G	1.00 M	1.961584 G	-34.77	-21.77

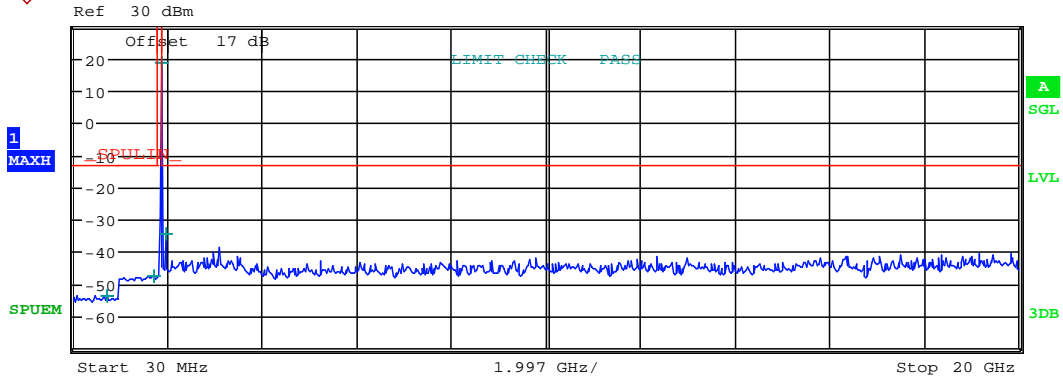
CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 15MHz CH18900

Date: 17.APR.2019 16:21:37



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	743.509615 M	-53.62	-40.62
1.000 G	1.840 G	1.00 M	1.717696 G	-47.78	-34.78
1.840 G	1.920 G	1.00 M	1.900664 G	18.70	-14.30
1.920 G	20.000 G	1.00 M	1.982677 G	-34.49	-21.49

CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 15MHz CH19125

Date: 17.APR.2019 16:22:06

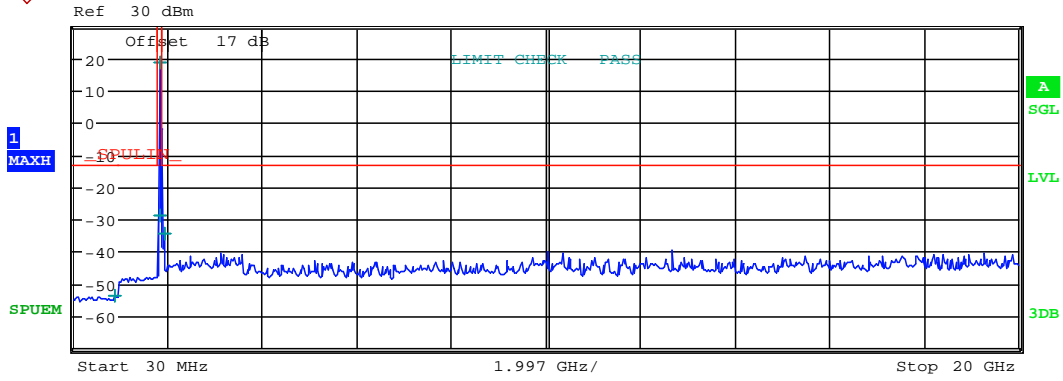


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	891.185897 M	-53.63	-40.63
1.000 G	1.840 G	1.00 M	1.839160 G	-29.10	-16.10
1.840 G	1.920 G	1.00 M	1.861365 G	18.70	-14.30
1.920 G	20.000 G	1.00 M	1.941093 G	-34.63	-21.63

CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 20MHz CH18700

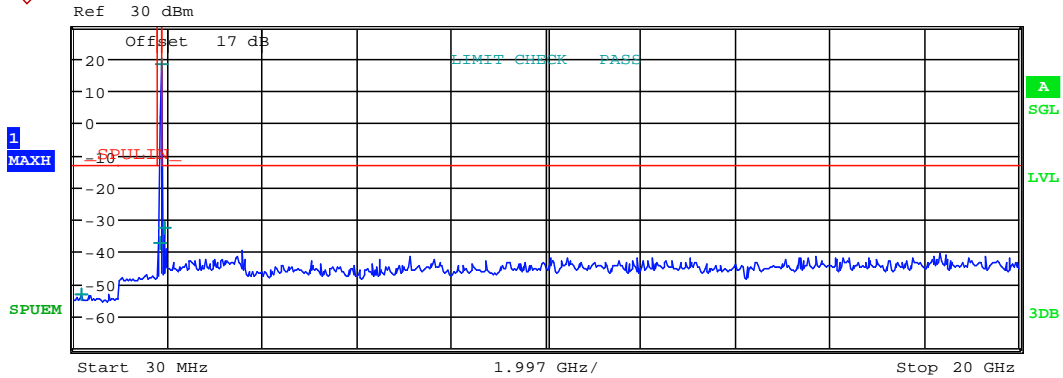
Date: 17.APR.2019 16:24:49



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	197.884615 M	-53.11	-40.11
1.000 G	1.840 G	1.00 M	1.839076 G	-37.49	-24.49
1.840 G	1.920 G	1.00 M	1.872819 G	17.87	-15.13
1.920 G	20.000 G	1.00 M	1.953749 G	-32.63	-19.63

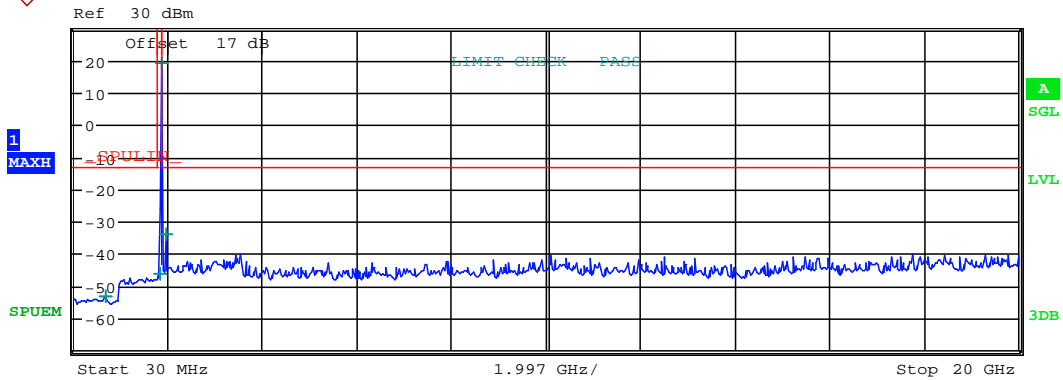
CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 20MHz CH18900

Date: 17.APR.2019 16:25:24



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	695.320513 M	-53.54	-40.54
1.000 G	1.840 G	1.00 M	1.839244 G	-46.11	-33.11
1.840 G	1.920 G	1.00 M	1.899493 G	19.03	-13.97
1.920 G	20.000 G	1.00 M	1.971227 G	-34.13	-21.13

CONDUCTED SPURIOUS EMISSION BAND2 QPSK 1RB 20MHz CH19100

Date: 17.APR.2019 16:25:53



Worldwide Testing Services(Taiwan) Co., Ltd.

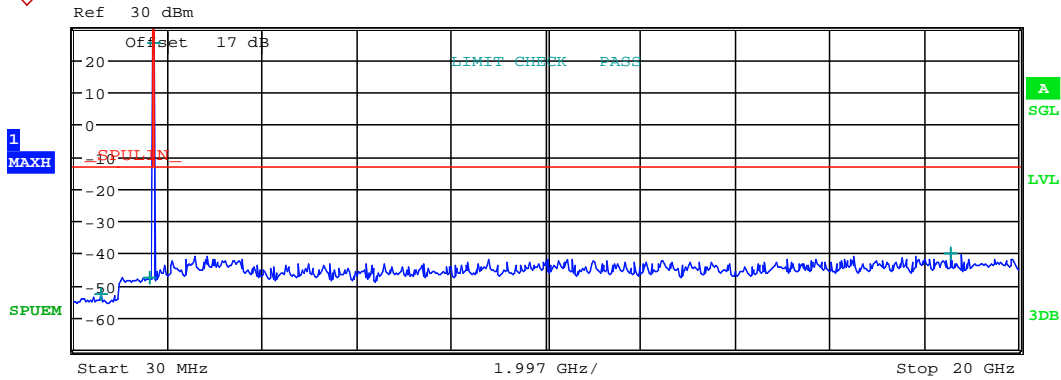
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band IV

16QAM

1.4MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	608.269231 M	-52.99	-39.99
1.000 G	1.700 G	1.00 M	1.626640 G	-47.62	-34.62
1.700 G	1.765 G	1.00 M	1.710417 G	25.23	-7.77
1.765 G	20.000 G	1.00 M	18.550317 G	-40.20	-27.20

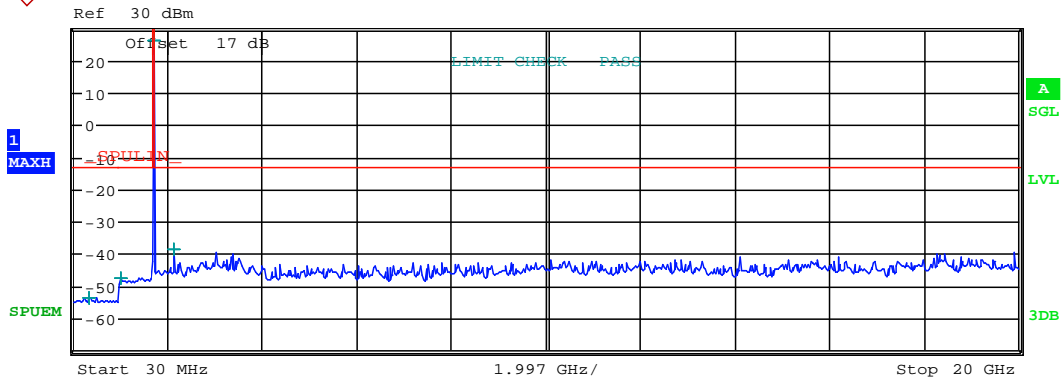
CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 1.4MHz CH19957

Date: 17.APR.2019 16:37:27



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	365.769231 M	-53.69	-40.69
1.000 G	1.700 G	1.00 M	1.014070 G	-47.56	-34.56
1.700 G	1.765 G	1.00 M	1.731928 G	26.07	-6.93
1.765 G	20.000 G	1.00 M	2.132739 G	-38.66	-25.66

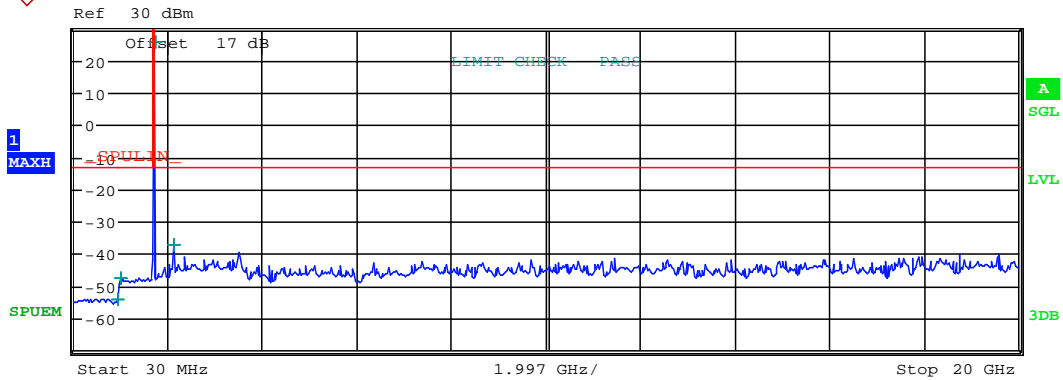
CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 1.4MHz CH20175

Date: 17.APR.2019 16:36:57



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	944.038462 M	-54.10	-41.10
1.000 G	1.700 G	1.00 M	1.009800 G	-47.61	-34.61
1.700 G	1.765 G	1.00 M	1.753898 G	25.46	-7.54
1.765 G	20.000 G	1.00 M	2.154013 G	-37.36	-24.36

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 1.4MHz CH20393

Date: 17.APR.2019 16:36:19

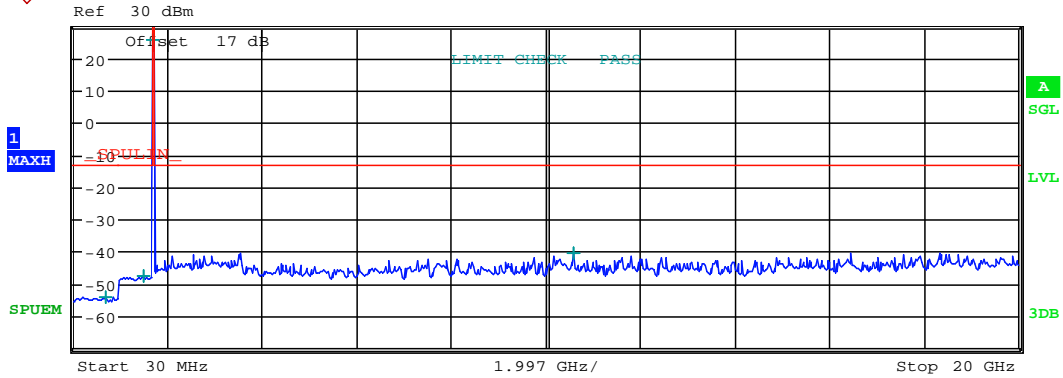


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

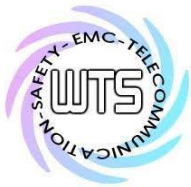
3MHz



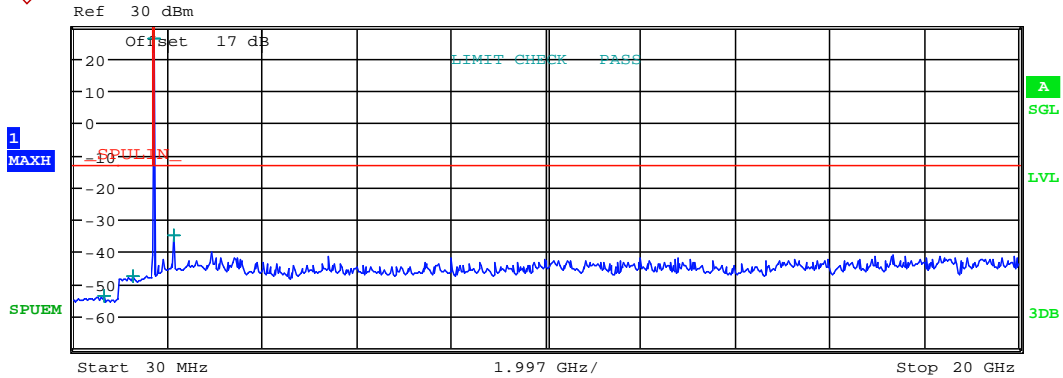
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	689.102564 M	-54.42	-41.42
1.000 G	1.700 G	1.00 M	1.496160 G	-47.47	-34.47
1.700 G	1.765 G	1.00 M	1.710123 G	25.58	-7.42
1.765 G	20.000 G	1.00 M	10.605328 G	-40.51	-27.51

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 3MHz CH19965

Date: 17.APR.2019 16:41:46



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	656.458333 M	-53.61	-40.61
1.000 G	1.700 G	1.00 M	1.268030 G	-47.66	-34.66
1.700 G	1.765 G	1.00 M	1.731211 G	26.04	-6.96
1.765 G	20.000 G	1.00 M	2.131524 G	-34.99	-21.99

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 3MHz CH20175

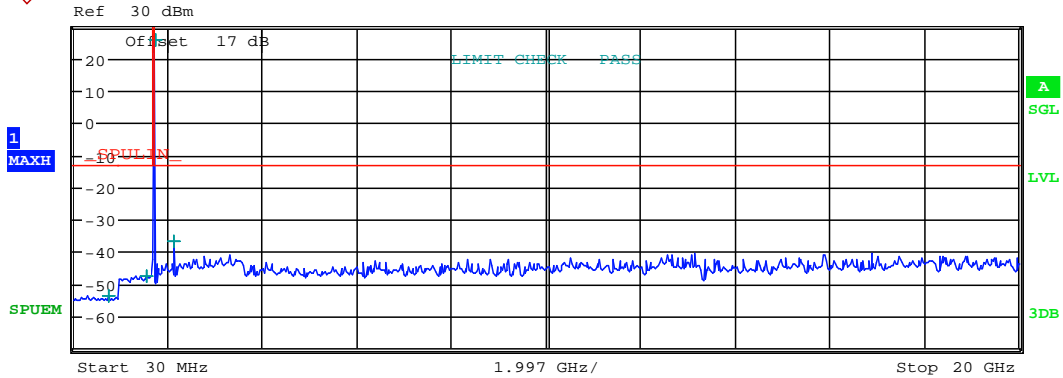
Date: 17.APR.2019 16:41:20



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	774.599359 M	-53.78	-40.78
1.000 G	1.700 G	1.00 M	1.570010 G	-47.51	-34.51
1.700 G	1.765 G	1.00 M	1.752253 G	25.66	-7.34
1.765 G	20.000 G	1.00 M	2.152798 G	-36.93	-23.93

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 3MHz CH20385

Date: 17.APR.2019 16:40:52

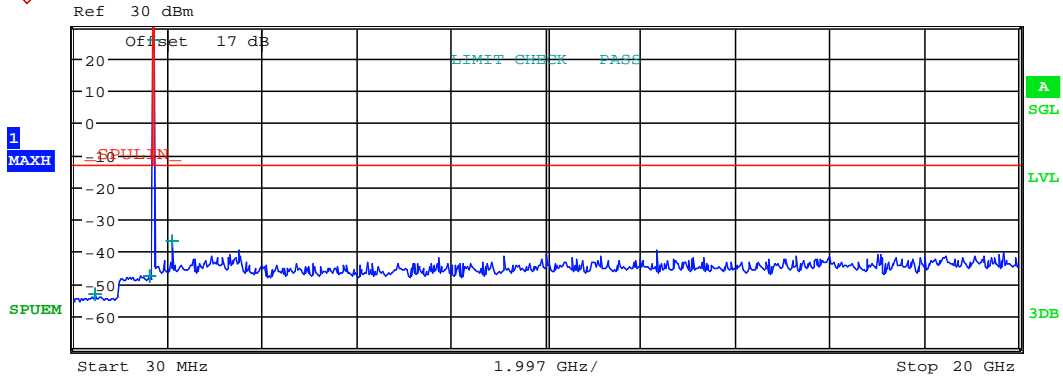


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	463.701923 M	-53.56	-40.56
1.000 G	1.700 G	1.00 M	1.636650 G	-47.86	-34.86
1.700 G	1.765 G	1.00 M	1.710463 G	25.61	-7.39
1.765 G	20.000 G	1.00 M	2.112681 G	-37.09	-24.09

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 5MHz CH19975

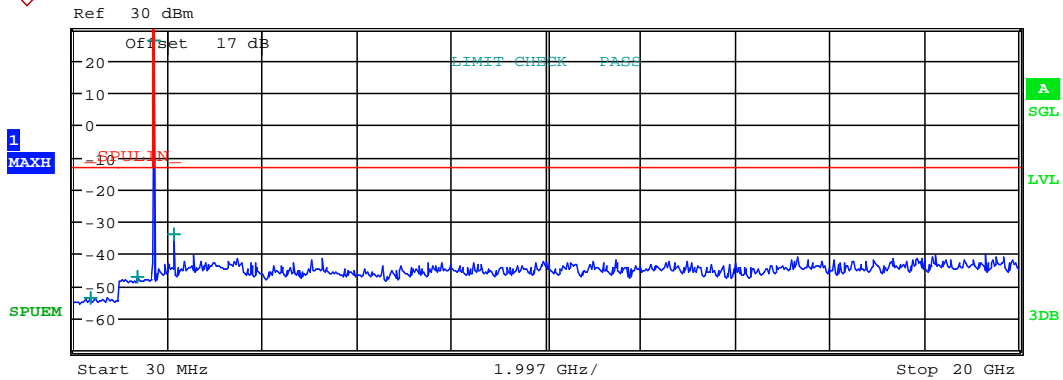
Date: 17.APR.2019 16:46:01



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	381.314103 M	-53.92	-40.92
1.000 G	1.700 G	1.00 M	1.388080 G	-47.32	-34.32
1.700 G	1.765 G	1.00 M	1.730381 G	26.11	-6.89
1.765 G	20.000 G	1.00 M	2.132739 G	-34.08	-21.08

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 5MHz CH20175

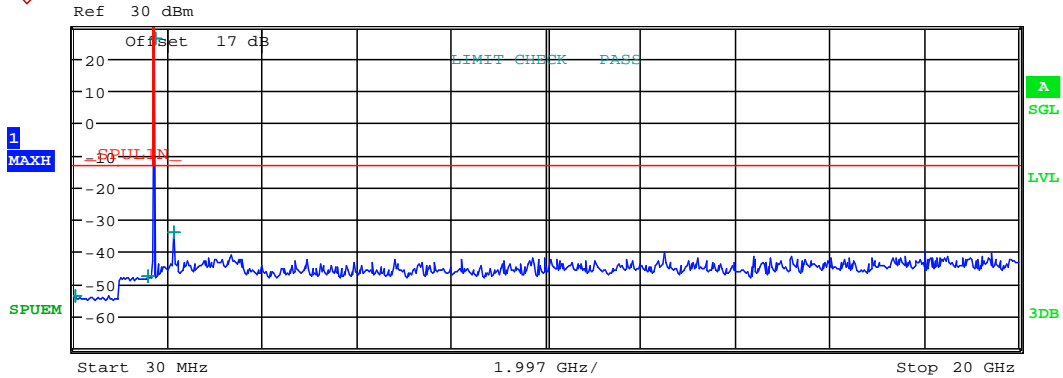
Date: 17.APR.2019 16:45:35



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	67.307692 M	-53.64	-40.64
1.000 G	1.700 G	1.00 M	1.593320 G	-47.61	-34.61
1.700 G	1.765 G	1.00 M	1.750271 G	25.93	-7.07
1.765 G	20.000 G	1.00 M	2.152798 G	-34.05	-21.05

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 5MHz CH20375

Date: 17.APR.2019 16:45:06

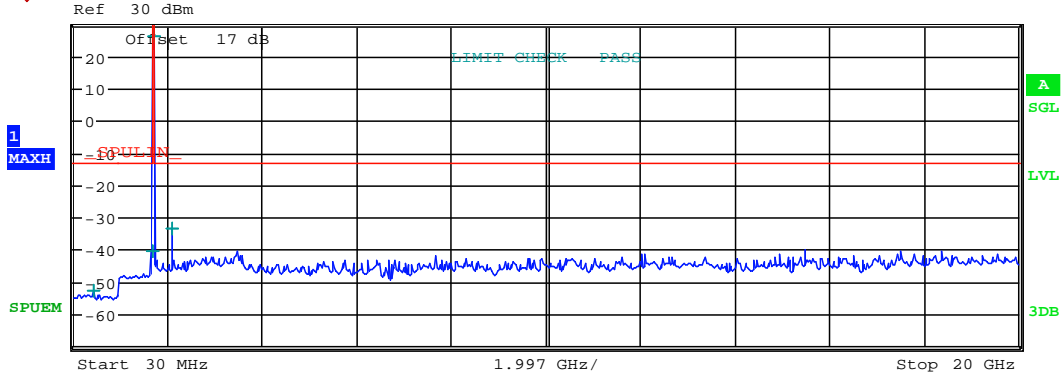


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	441.939103 M	-53.03	-40.03
1.000 G	1.700 G	1.00 M	1.692650 G	-40.73	-27.73
1.700 G	1.765 G	1.00 M	1.710608 G	25.87	-7.13
1.765 G	20.000 G	1.00 M	2.111465 G	-33.58	-20.58

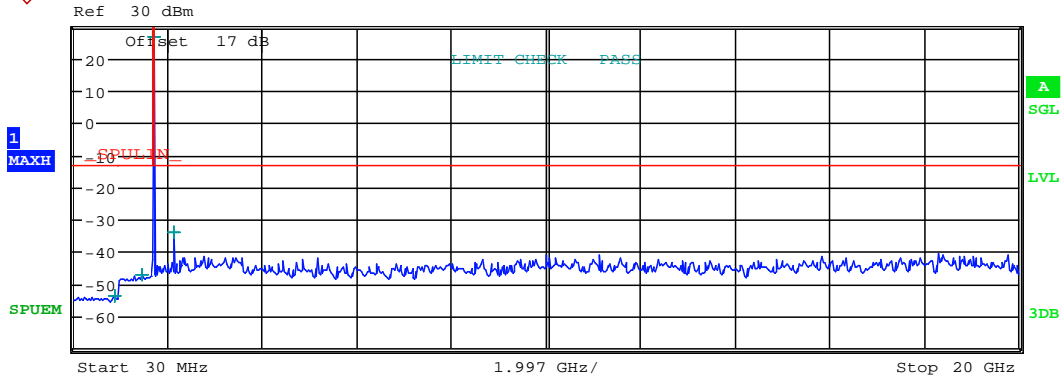
CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 10MHz CH20000

Date: 17.APR.2019 16:49:27



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	883.413462 M	-53.90	-40.90
1.000 G	1.700 G	1.00 M	1.475020 G	-47.43	-34.43
1.700 G	1.765 G	1.00 M	1.727993 G	26.26	-6.74
1.765 G	20.000 G	1.00 M	2.130916 G	-34.09	-21.09

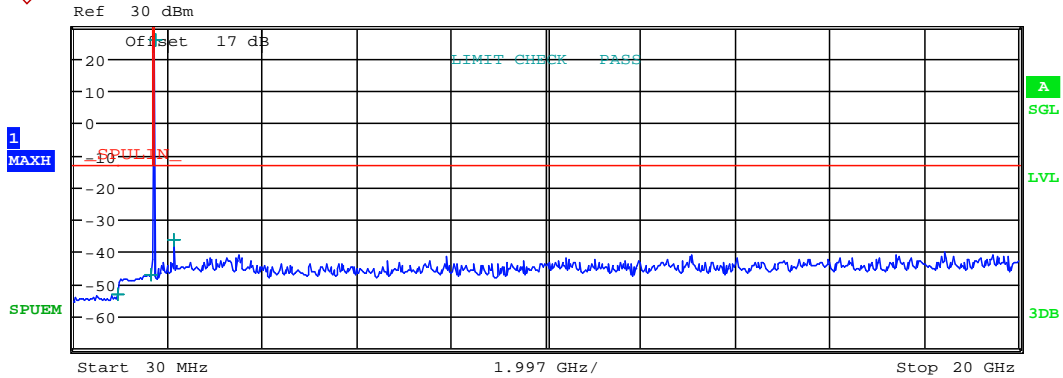
CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 10MHz CH20175

Date: 17.APR.2019 16:49:03



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	958.028846 M	-53.43	-40.43
1.000 G	1.700 G	1.00 M	1.654220 G	-47.18	-34.18
1.700 G	1.765 G	1.00 M	1.745578 G	25.72	-7.28
1.765 G	20.000 G	1.00 M	2.147327 G	-36.53	-23.53

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 10MHz CH20350

Date: 17.APR.2019 16:48:29

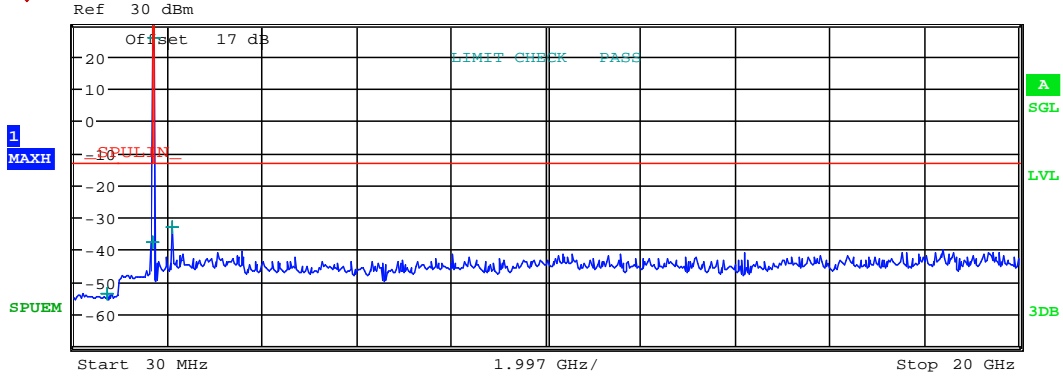


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



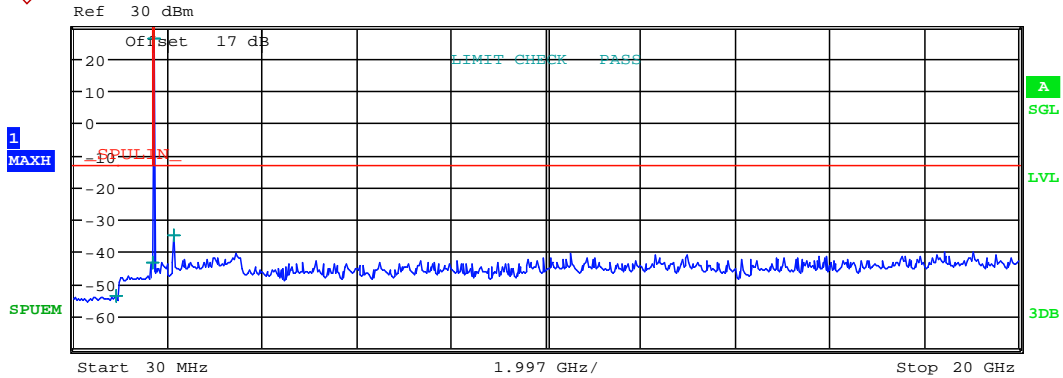
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	724.855769 M	-53.76	-40.76
1.000 G	1.700 G	1.00 M	1.697900 G	-37.84	-24.84
1.700 G	1.765 G	1.00 M	1.710838 G	25.77	-7.23
1.765 G	20.000 G	1.00 M	2.115112 G	-33.36	-20.36

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 15MHz CH20025

Date: 17.APR.2019 16:55:11



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	937.820513 M	-53.74	-40.74
1.000 G	1.700 G	1.00 M	1.699720 G	-43.62	-30.62
1.700 G	1.765 G	1.00 M	1.725835 G	26.20	-6.80
1.765 G	20.000 G	1.00 M	2.127269 G	-34.98	-21.98

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 15MHz CH20175

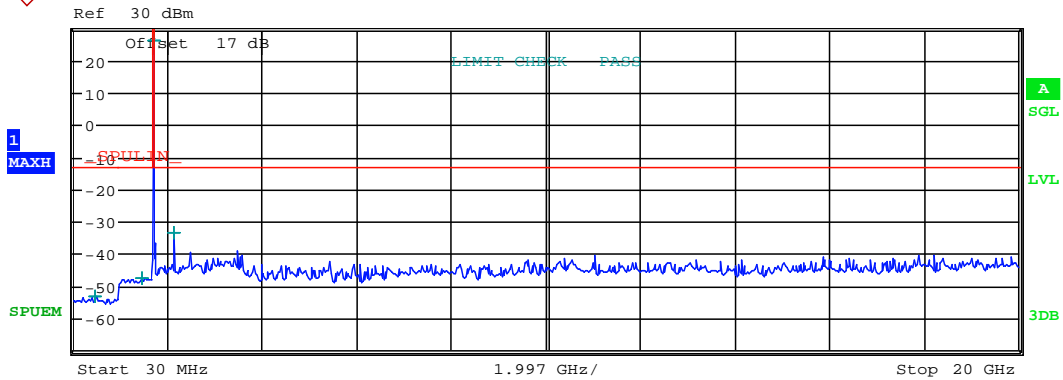
Date: 17.APR.2019 16:54:22



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	493.237179 M	-53.49	-40.49
1.000 G	1.700 G	1.00 M	1.467040 G	-47.50	-34.50
1.700 G	1.765 G	1.00 M	1.740785 G	26.09	-6.91
1.765 G	20.000 G	1.00 M	2.144896 G	-33.76	-20.76

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 15MHz CH20325

Date: 17.APR.2019 16:53:44

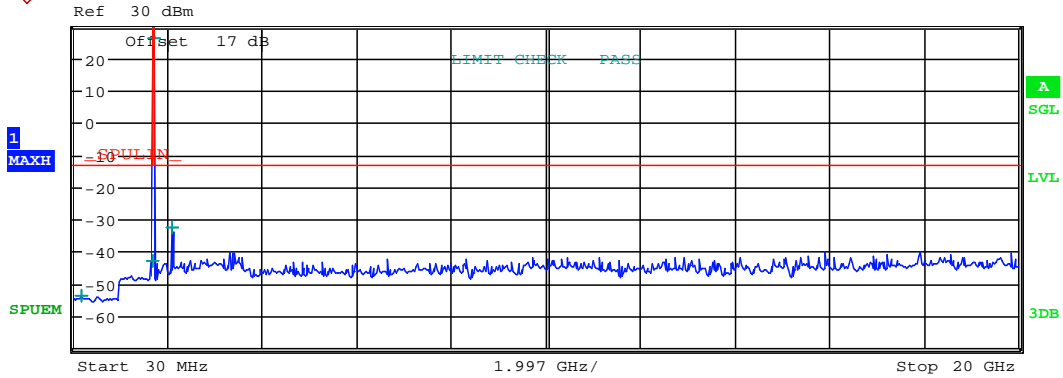


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	188.557692 M	-53.88	-40.88
1.000 G	1.700 G	1.00 M	1.693420 G	-43.04	-30.04
1.700 G	1.765 G	1.00 M	1.711191 G	25.90	-7.10
1.765 G	20.000 G	1.00 M	2.115112 G	-32.63	-19.63

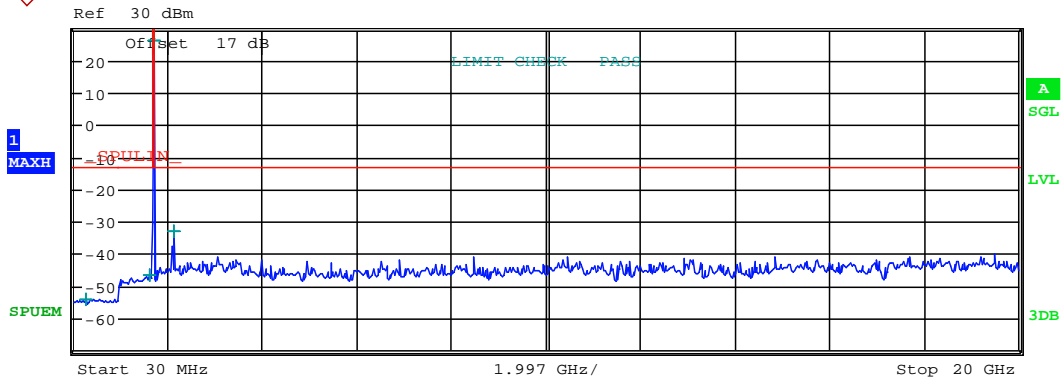
CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 20MHz CH20050

Date: 17.APR.2019 16:59:05



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	288.044872 M	-54.41	-41.41
1.000 G	1.700 G	1.00 M	1.637840 G	-46.81	-33.81
1.700 G	1.765 G	1.00 M	1.723643 G	26.23	-6.77
1.765 G	20.000 G	1.00 M	2.139425 G	-33.16	-20.16

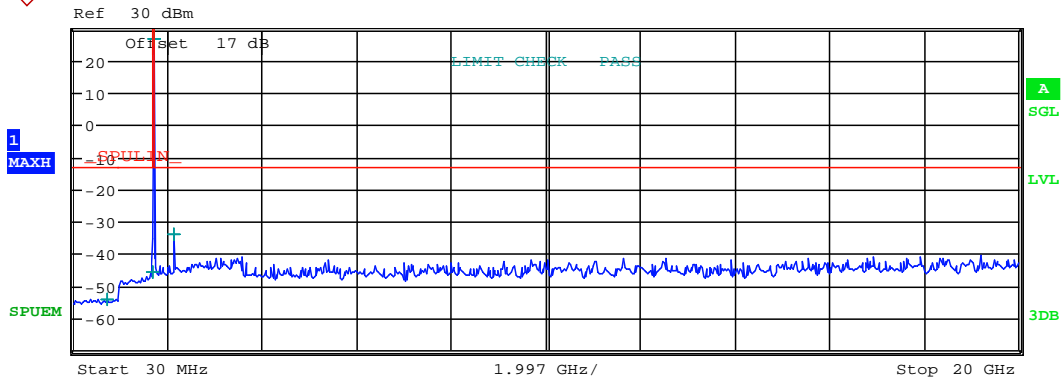
CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 20MHz CH20175

Date: 17.APR.2019 16:58:39



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	721.746795 M	-54.11	-41.11
1.000 G	1.700 G	1.00 M	1.699930 G	-45.96	-32.96
1.700 G	1.765 G	1.00 M	1.736181 G	26.39	-6.61
1.765 G	20.000 G	1.00 M	2.143680 G	-34.17	-21.17

CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB 20MHz CH20300

Date: 17.APR.2019 16:58:13



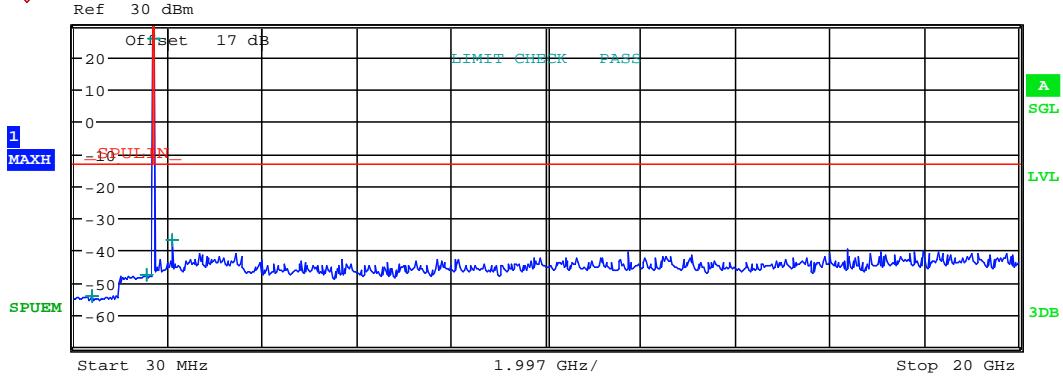
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

1.4MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	406.185897 M	-54.16	-41.16
1.000 G	1.700 G	1.00 M	1.559650 G	-47.48	-34.48
1.700 G	1.765 G	1.00 M	1.710292 G	25.46	-7.54
1.765 G	20.000 G	1.00 M	2.110857 G	-36.76	-23.76

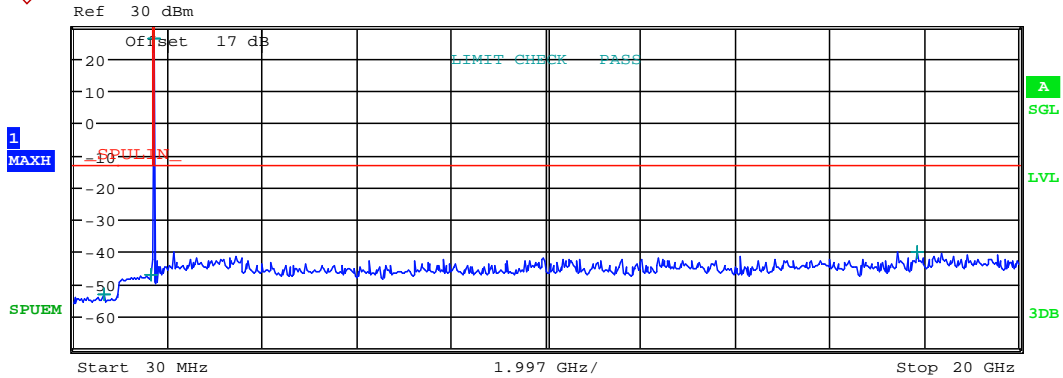
CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 1.4MHz CH19957

Date: 17.APR.2019 16:33:59



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	661.121795 M	-53.49	-40.49
1.000 G	1.700 G	1.00 M	1.675570 G	-47.45	-34.45
1.700 G	1.765 G	1.00 M	1.732184 G	25.77	-7.23
1.765 G	20.000 G	1.00 M	17.863466 G	-40.16	-27.16

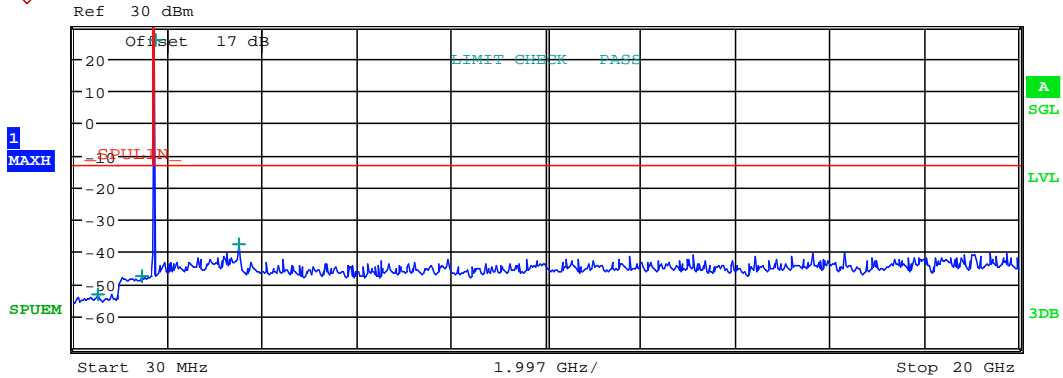
CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 1.4MHz CH20175

Date: 17.APR.2019 16:34:47



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	549.198718 M	-53.22	-40.22
1.000 G	1.700 G	1.00 M	1.470750 G	-47.51	-34.51
1.700 G	1.765 G	1.00 M	1.753872 G	25.61	-7.39
1.765 G	20.000 G	1.00 M	3.507658 G	-37.93	-24.93

CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 1.4MHz CH20393

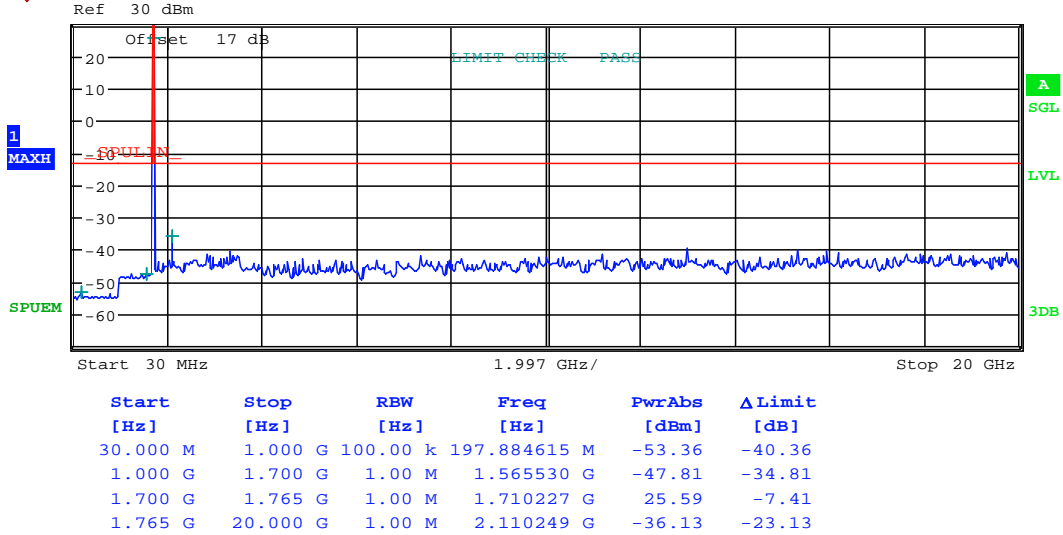
Date: 17.APR.2019 16:35:31



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



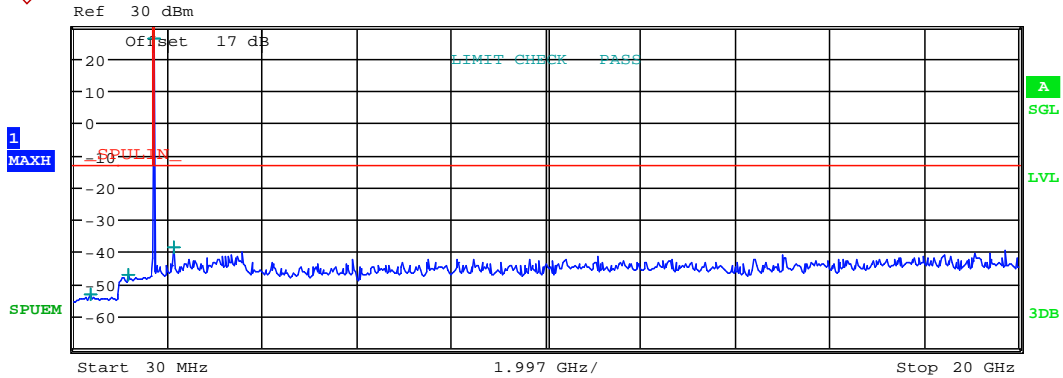
CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 3MHz CH19965

Date: 17.APR.2019 16:39:11



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	381.314103 M	-53.22	-40.22
1.000 G	1.700 G	1.00 M	1.183400 G	-47.31	-34.31
1.700 G	1.765 G	1.00 M	1.731237 G	26.01	-6.99
1.765 G	20.000 G	1.00 M	2.133347 G	-38.76	-25.76

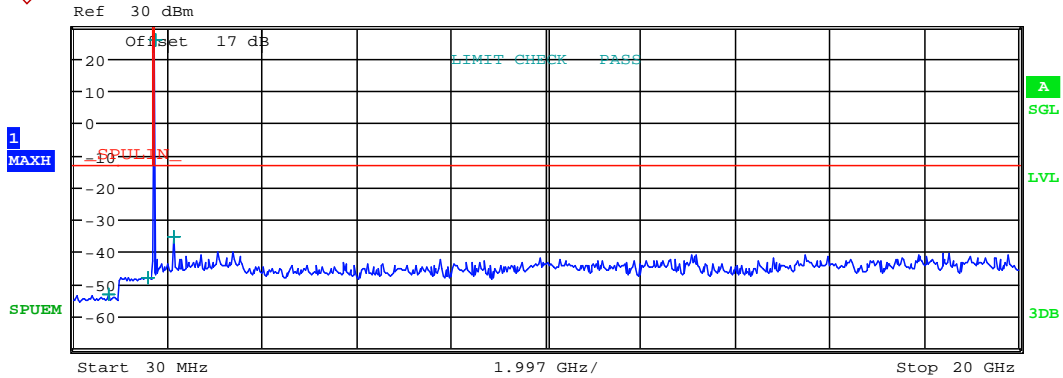
CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 3MHz CH20175

Date: 17.APR.2019 16:39:39



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	760.608974 M	-53.13	-40.13
1.000 G	1.700 G	1.00 M	1.594230 G	-48.03	-35.03
1.700 G	1.765 G	1.00 M	1.752264 G	25.71	-7.29
1.765 G	20.000 G	1.00 M	2.154013 G	-35.63	-22.63

CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 3MHz CH20385

Date: 17.APR.2019 16:40:10

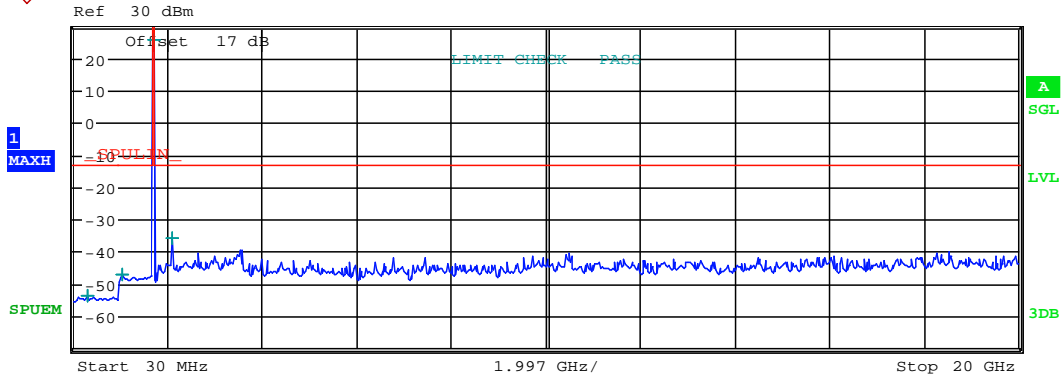


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



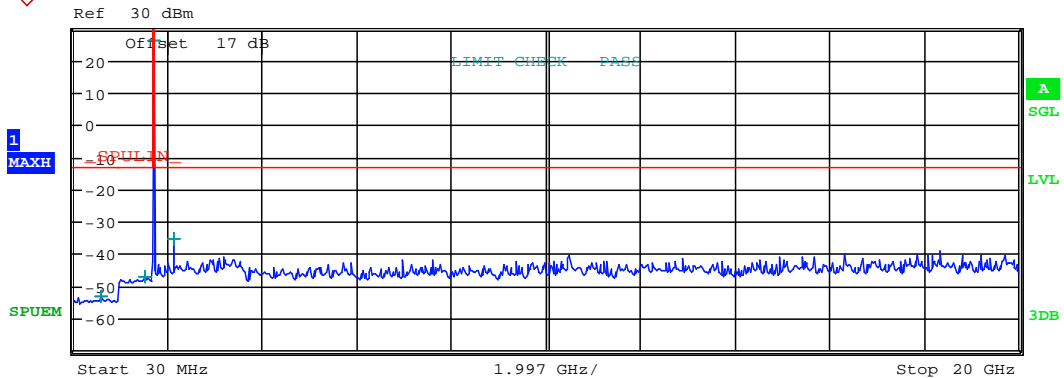
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	319.134615 M	-53.78	-40.78
1.000 G	1.700 G	1.00 M	1.045080 G	-47.25	-34.25
1.700 G	1.765 G	1.00 M	1.710242 G	25.58	-7.42
1.765 G	20.000 G	1.00 M	2.113896 G	-35.75	-22.75

CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 5MHz CH19975

Date: 17.APR.2019 16:43:02



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	598.942308 M	-53.39	-40.39
1.000 G	1.700 G	1.00 M	1.530460 G	-47.44	-34.44
1.700 G	1.765 G	1.00 M	1.730377 G	25.90	-7.10
1.765 G	20.000 G	1.00 M	2.131524 G	-35.66	-22.66

CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 5MHz CH20175

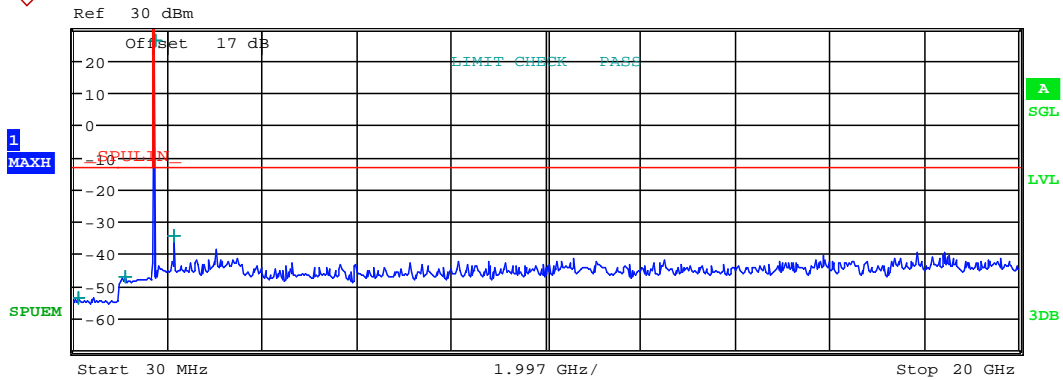
Date: 17.APR.2019 16:43:34



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	110.833333 M	-53.77	-40.77
1.000 G	1.700 G	1.00 M	1.133000 G	-47.38	-34.38
1.700 G	1.765 G	1.00 M	1.750319 G	25.82	-7.18
1.765 G	20.000 G	1.00 M	2.151582 G	-34.34	-21.34

CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 5MHz CH20375

Date: 17.APR.2019 16:44:00

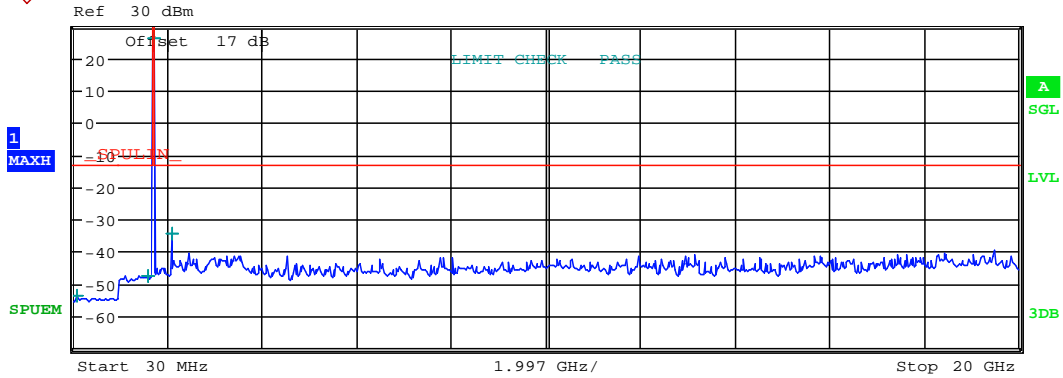


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	106.169872 M	-53.84	-40.84
1.000 G	1.700 G	1.00 M	1.592270 G	-47.74	-34.74
1.700 G	1.765 G	1.00 M	1.710604 G	25.80	-7.20
1.765 G	20.000 G	1.00 M	2.113896 G	-34.77	-21.77

CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 10MHz CH20000

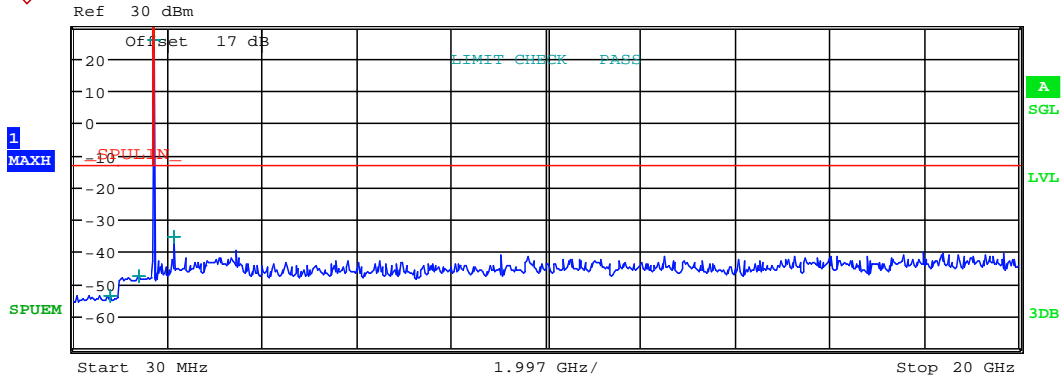
Date: 17.APR.2019 16:47:02



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	783.926282 M	-53.76	-40.76
1.000 G	1.700 G	1.00 M	1.397390 G	-47.88	-34.88
1.700 G	1.765 G	1.00 M	1.728251 G	25.49	-7.51
1.765 G	20.000 G	1.00 M	2.132739 G	-35.39	-22.39

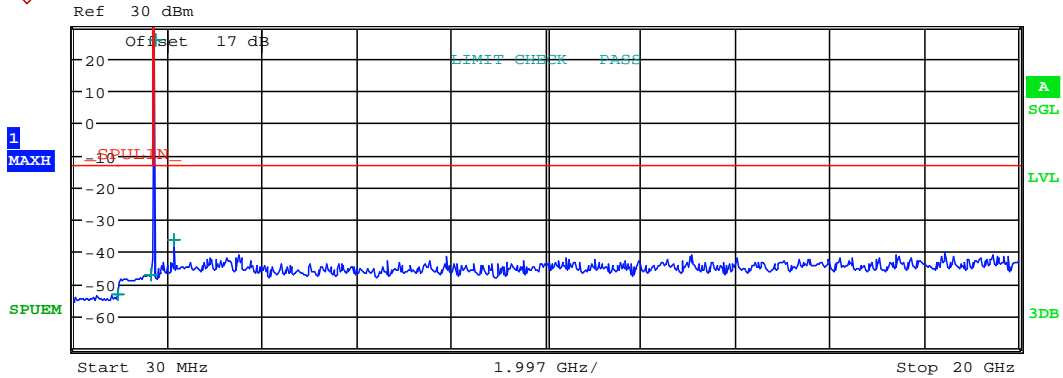
CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 10MHz CH20175

Date: 17.APR.2019 16:47:31



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	958.028846 M	-53.43	-40.43
1.000 G	1.700 G	1.00 M	1.654220 G	-47.18	-34.18
1.700 G	1.765 G	1.00 M	1.745578 G	25.72	-7.28
1.765 G	20.000 G	1.00 M	2.147327 G	-36.53	-23.53

CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 10MHz CH20350

Date: 17.APR.2019 16:47:56

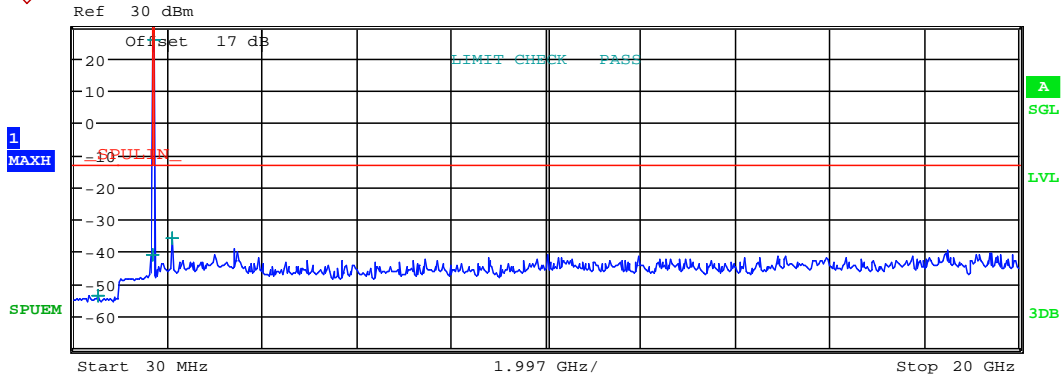


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	528.990385 M	-53.89	-40.89
1.000 G	1.700 G	1.00 M	1.697480 G	-41.02	-28.02
1.700 G	1.765 G	1.00 M	1.710755 G	25.70	-7.30
1.765 G	20.000 G	1.00 M	2.113288 G	-35.81	-22.81

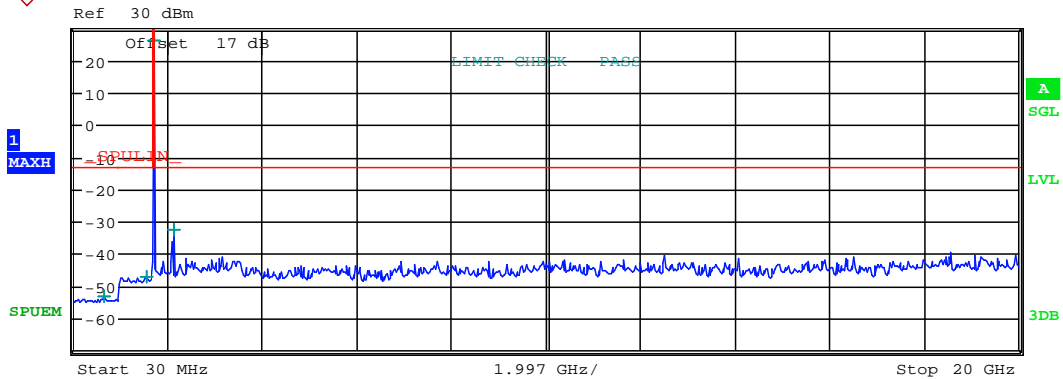
CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 15MHz CH20025

Date: 17.APR.2019 16:51:43



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	659.567308 M	-53.48	-40.48
1.000 G	1.700 G	1.00 M	1.566720 G	-47.43	-34.43
1.700 G	1.765 G	1.00 M	1.725842 G	26.08	-6.92
1.765 G	20.000 G	1.00 M	2.131524 G	-32.80	-19.80

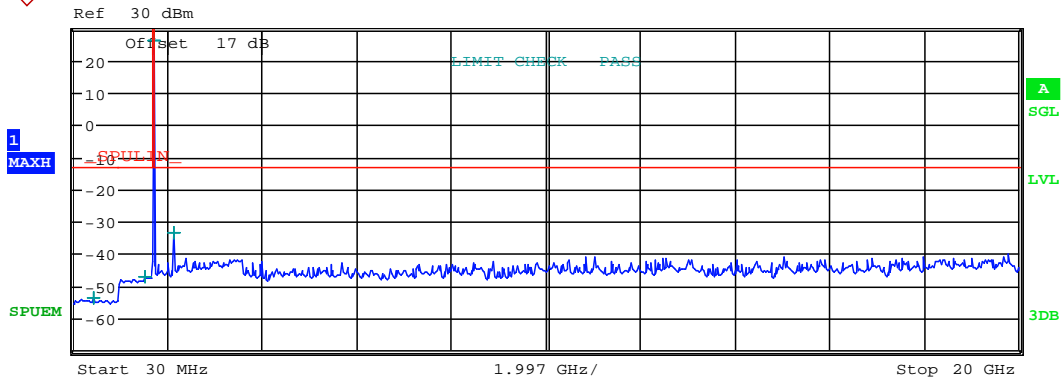
CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 15MHz CH20175

Date: 17.APR.2019 16:52:10



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	445.048077 M	-53.74	-40.74
1.000 G	1.700 G	1.00 M	1.542080 G	-47.22	-34.22
1.700 G	1.765 G	1.00 M	1.740807 G	26.16	-6.84
1.765 G	20.000 G	1.00 M	2.143072 G	-33.73	-20.73

CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 15MHz CH20325

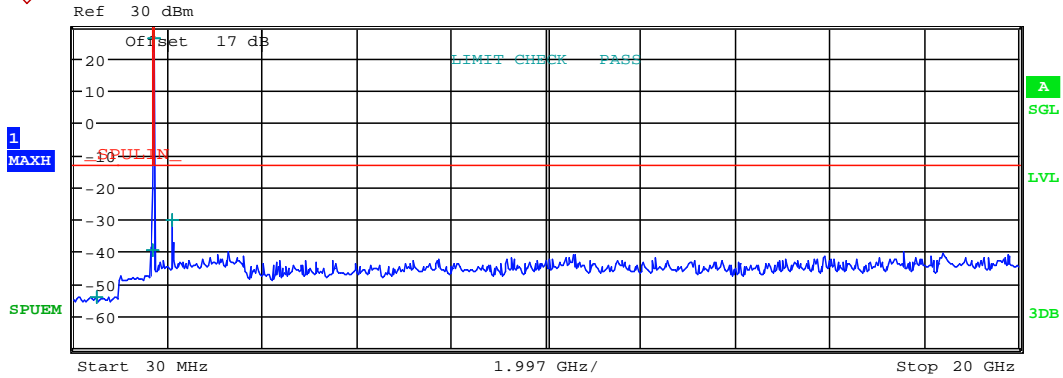
Date: 17.APR.2019 16:52:37



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	100.00 k	504.118590 M	-54.18	-41.18
1.000 G	1.700 G	1.00 M	1.699650 G	-39.67	-26.67
1.700 G	1.765 G	1.00 M	1.713397 G	25.82	-7.18
1.765 G	20.000 G	1.00 M	2.121798 G	-30.32	-17.32

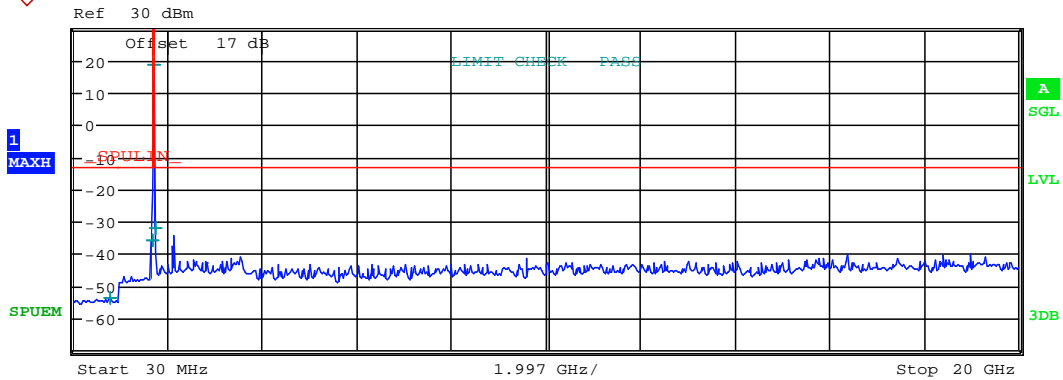
CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 20MHz CH20050

Date: 17.APR.2019 16:56:10



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	797.916667 M	-53.85	-40.85
1.000 G	1.700 G	1.00 M	1.697410 G	-36.10	-23.10
1.700 G	1.765 G	1.00 M	1.740320 G	18.67	-14.33
1.765 G	20.000 G	1.00 M	1.768039 G	-32.27	-19.27

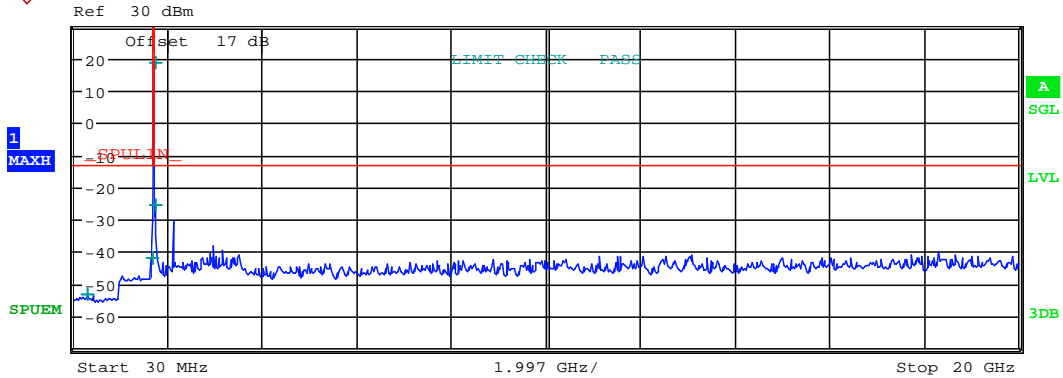
CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 20MHz CH20175

Date: 17.APR.2019 16:57:01



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	100.00 k	303.589744 M	-53.47	-40.47
1.000 G	1.700 G	1.00 M	1.698740 G	-42.01	-29.01
1.700 G	1.765 G	1.00 M	1.745231 G	18.44	-14.56
1.765 G	20.000 G	1.00 M	1.767431 G	-25.57	-12.57

CONDUCTED SPURIOUS EMISSION BAND4 QPSK 1RB 20MHz CH20300

Date: 17.APR.2019 16:57:29



Worldwide Testing Services(Taiwan) Co., Ltd.

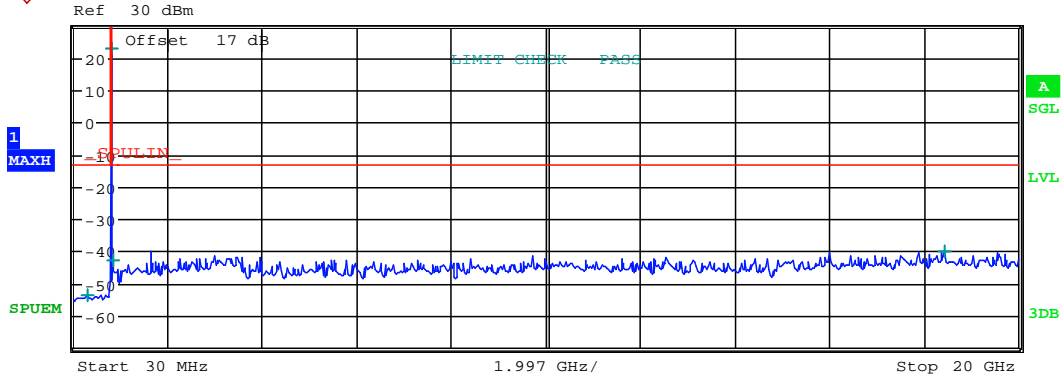
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band V

16QAM

1.4MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	814.000 M	100.00 k	317.717949 M	-53.63	-40.63
814.000 M	859.000 M	100.00 k	824.215000 M	22.62	-10.38
859.000 M	1.000 G	100.00 k	870.077900 M	-42.83	-29.83
1.000 G	20.000 G	1.00 M	18.444533 G	-40.11	-27.11

CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 1.4MHz CH20407

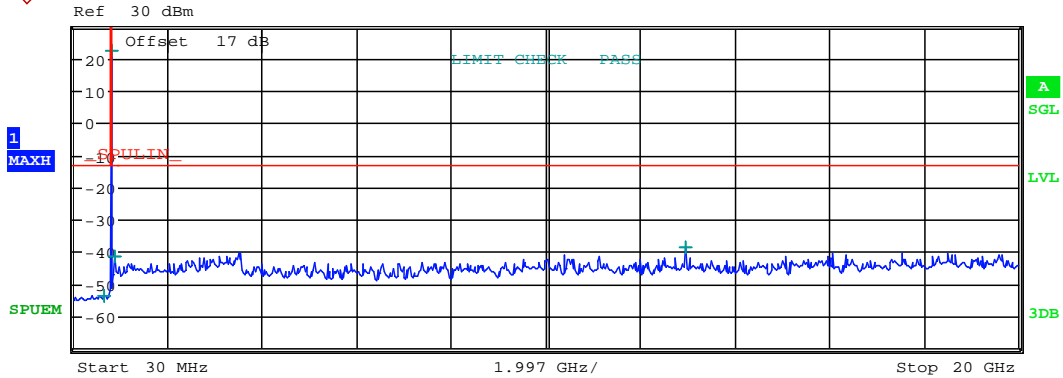
Date: 17.APR.2019 17:07:34



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	661.974359 M	-53.64	-40.64
814.000 M	859.000 M	100.00 k	836.104000 M	22.18	-10.82
859.000 M	1.000 G	100.00 k	881.560000 M	-41.53	-28.53
1.000 G	20.000 G	1.00 M	12.955433 G	-38.99	-25.99

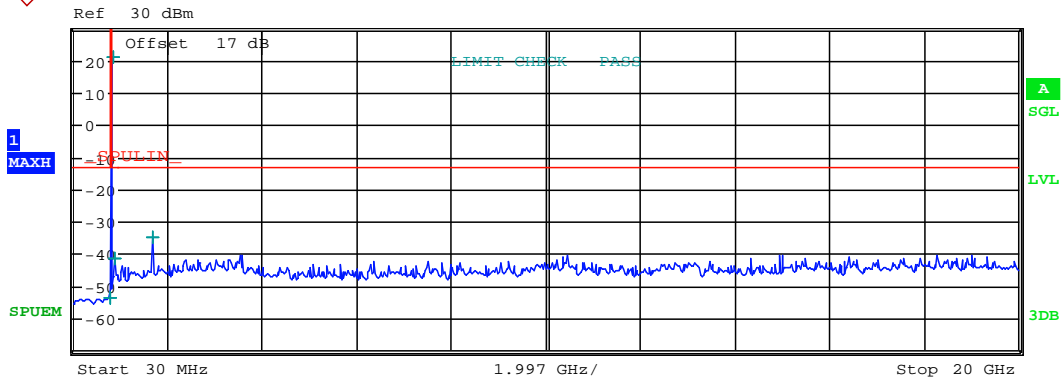
CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 1.4MHz CH20525

Date: 17.APR.2019 17:07:02



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	814.000 M	100.00 k	786.358974 M	-53.85	-40.85
814.000 M	859.000 M	100.00 k	847.889500 M	20.71	-12.29
859.000 M	1.000 G	100.00 k	893.530900 M	-41.61	-28.61
1.000 G	20.000 G	1.00 M	1.695400 G	-35.08	-22.08

CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 1.4MHz CH20643

Date: 17.APR.2019 17:06:08

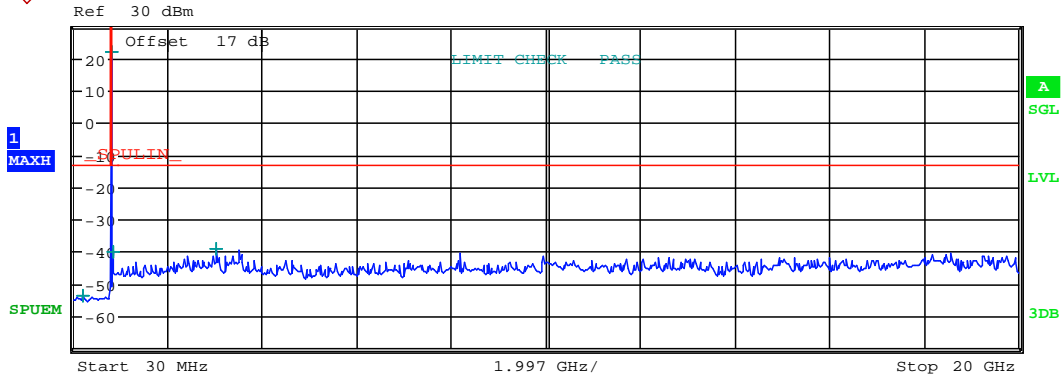


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	215.948718 M	-53.68	-40.68
814.000 M	859.000 M	100.00 k	824.296000 M	21.78	-11.22
859.000 M	1.000 G	100.00 k	870.345800 M	-40.28	-27.28
1.000 G	20.000 G	1.00 M	3.036800 G	-39.39	-26.39

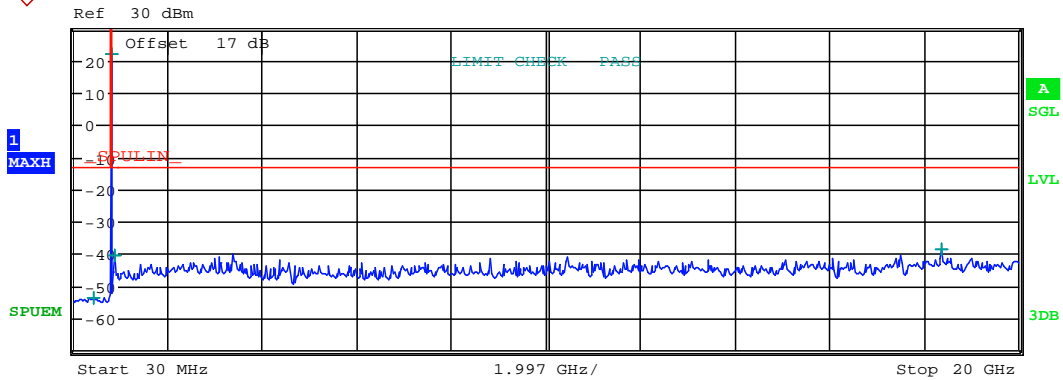
CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 3MHz CH20415

Date: 17.APR.2019 17:11:30



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	814.000 M	100.00 k	432.051282 M	-53.74	-40.74
814.000 M	859.000 M	100.00 k	835.190500 M	21.81	-11.19
859.000 M	1.000 G	100.00 k	881.325000 M	-40.44	-27.44
1.000 G	20.000 G	1.00 M	18.374233 G	-38.98	-25.98

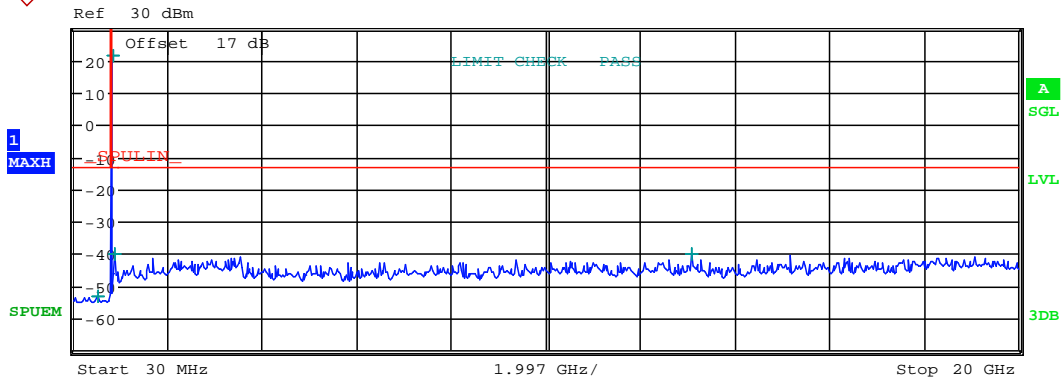
CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 3MHz CH20525

Date: 17.APR.2019 17:11:04



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	547.641026 M	-53.48	-40.48
814.000 M	859.000 M	100.00 k	846.283000 M	21.39	-11.61
859.000 M	1.000 G	100.00 k	892.407600 M	-40.11	-27.11
1.000 G	20.000 G	1.00 M	13.082100 G	-40.34	-27.34

CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 3MHz CH20635

Date: 17.APR.2019 17:10:27

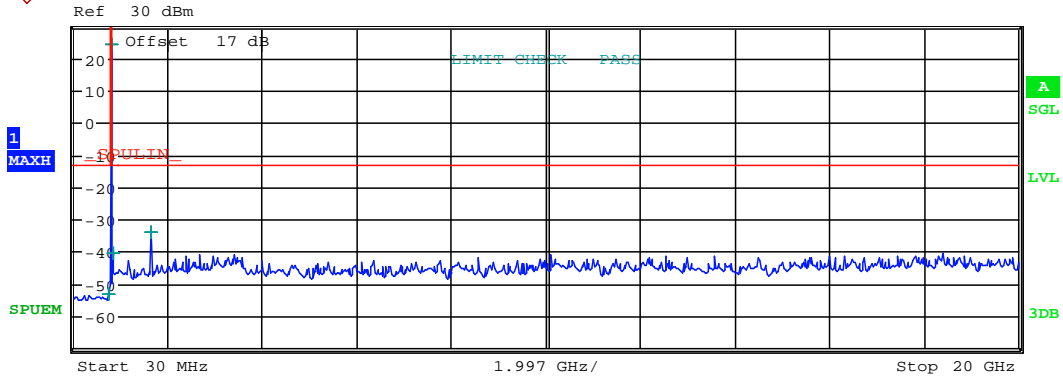


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	814.000 M	100.00 k	759.974359 M	-53.53	-40.53
814.000 M	859.000 M	100.00 k	824.291500 M	24.11	-8.89
859.000 M	1.000 G	100.00 k	869.452800 M	-40.42	-27.42
1.000 G	20.000 G	1.00 M	1.648533 G	-34.24	-21.24

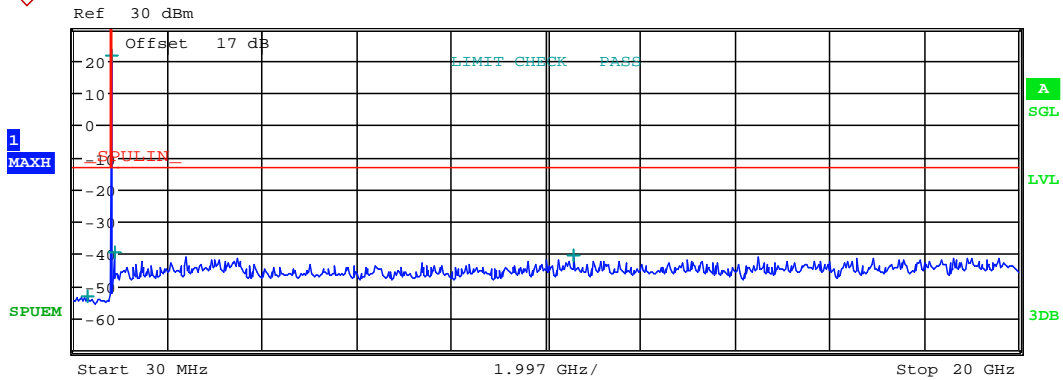
CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 5MHz CH20425

Date: 17.APR.2019 17:18:56



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	305.153846 M	-53.45	-40.45
814.000 M	859.000 M	100.00 k	834.299500 M	21.19	-11.81
859.000 M	1.000 G	100.00 k	880.211100 M	-39.80	-26.80
1.000 G	20.000 G	1.00 M	10.585500 G	-40.81	-27.81

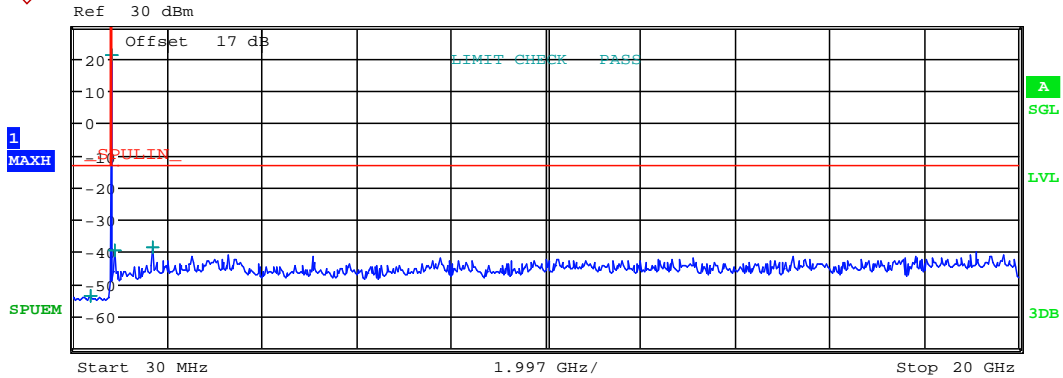
CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 5MHz CH20525

Date: 17.APR.2019 17:18:30



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	391.846154 M	-53.65	-40.65
814.000 M	859.000 M	100.00 k	844.388500 M	20.98	-12.02
859.000 M	1.000 G	100.00 k	890.720300 M	-39.77	-26.77
1.000 G	20.000 G	1.00 M	1.688433 G	-38.63	-25.63

CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 5MHz CH20625

Date: 17.APR.2019 17:18:07

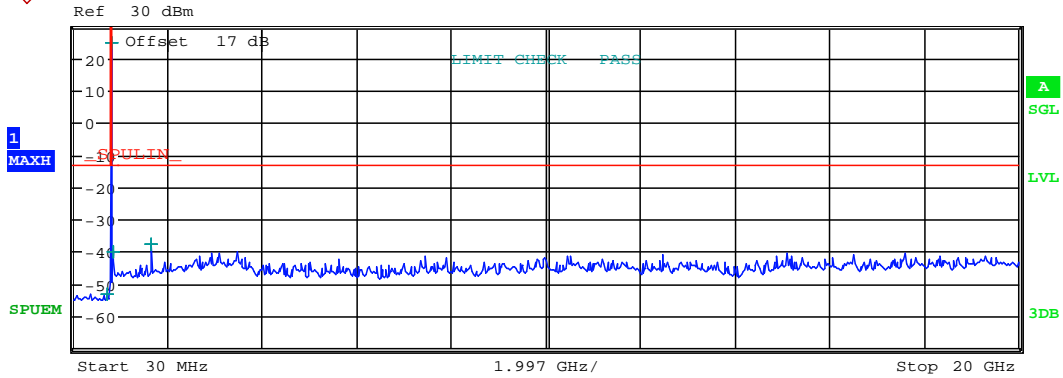


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	732.333333 M	-53.26	-40.26
814.000 M	859.000 M	100.00 k	824.647000 M	24.48	-8.52
859.000 M	1.000 G	100.00 k	874.007100 M	-40.03	-27.03
1.000 G	20.000 G	1.00 M	1.648533 G	-37.63	-24.63

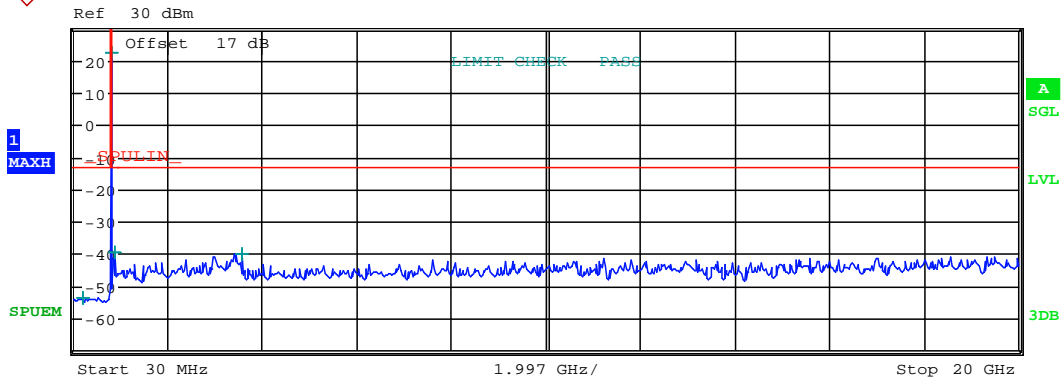
CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 10MHz CH20450

Date: 17.APR.2019 17:22:39



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	220.974359 M	-53.69	-40.69
814.000 M	859.000 M	100.00 k	832.139500 M	22.24	-10.76
859.000 M	1.000 G	100.00 k	880.930200 M	-39.71	-26.71
1.000 G	20.000 G	1.00 M	3.593500 G	-39.96	-26.96

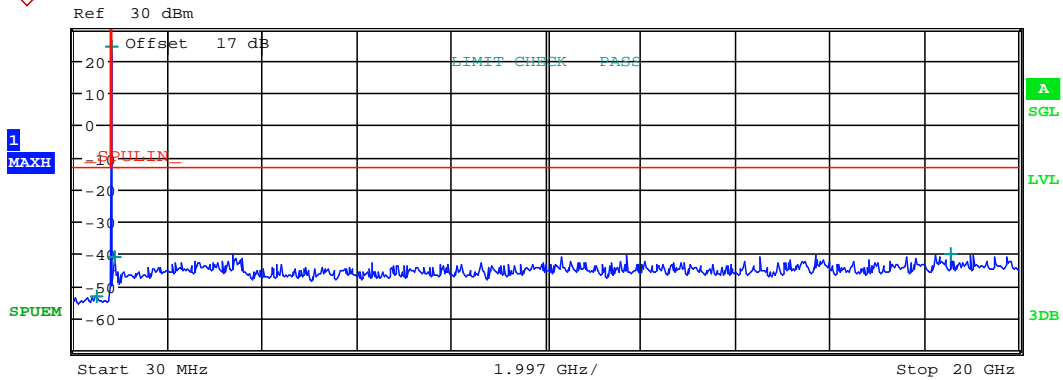
CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 10MHz CH20525

Date: 17.APR.2019 17:22:09



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	504.923077 M	-53.24	-40.24
814.000 M	859.000 M	100.00 k	839.600500 M	24.14	-8.86
859.000 M	1.000 G	100.00 k	892.915200 M	-41.07	-28.07
1.000 G	20.000 G	1.00 M	18.553467 G	-40.27	-27.27

CONDUCTED SPURIOUS EMISSION BAND5 16QAM 1RB 10MHz CH20600

Date: 17.APR.2019 17:21:37



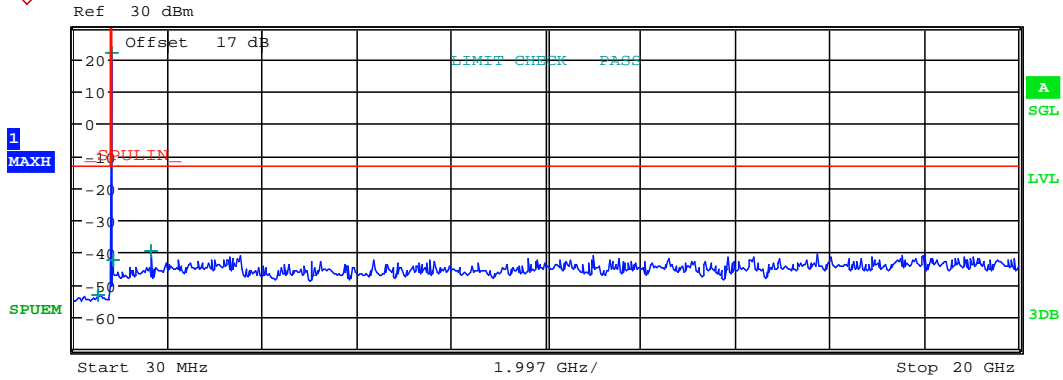
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

1.4MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	814.000 M	100.00 k	546.384615 M	-53.30	-40.30
814.000 M	859.000 M	100.00 k	824.219500 M	21.76	-11.24
859.000 M	1.000 G	100.00 k	869.556200 M	-42.45	-29.45
1.000 G	20.000 G	1.00 M	1.647900 G	-39.73	-26.73

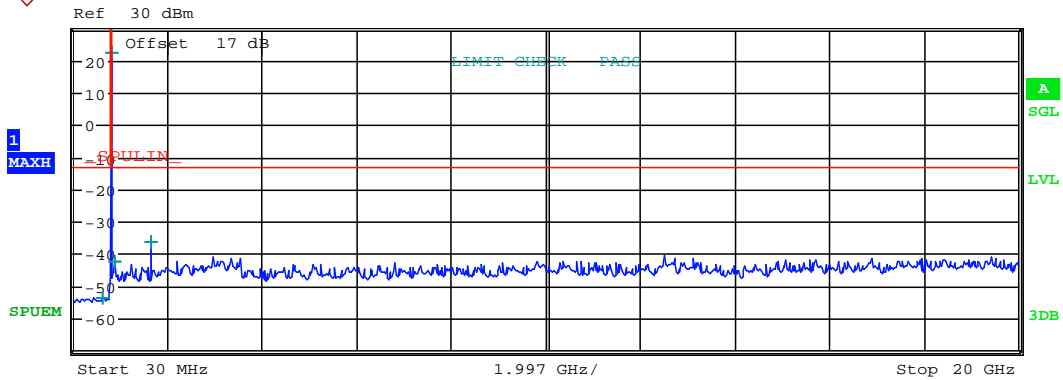
CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 1.4MHz CH20407

Date: 17.APR.2019 17:04:22



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	631.820513 M	-53.66	-40.66
814.000 M	859.000 M	100.00 k	836.077000 M	22.29	-10.71
859.000 M	1.000 G	100.00 k	881.677500 M	-42.31	-29.31
1.000 G	20.000 G	1.00 M	1.671967 G	-36.54	-23.54

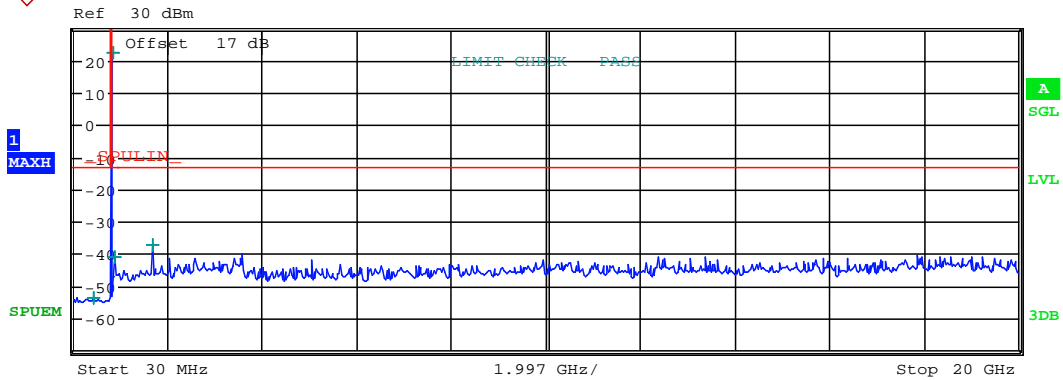
CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 1.4MHz CH20525

Date: 17.APR.2019 17:04:56



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	440.846154 M	-53.59	-40.59
814.000 M	859.000 M	100.00 k	847.889500 M	22.42	-10.58
859.000 M	1.000 G	100.00 k	893.342900 M	-40.96	-27.96
1.000 G	20.000 G	1.00 M	1.695400 G	-37.27	-24.27

CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 1.4MHz CH20643

Date: 17.APR.2019 17:05:25

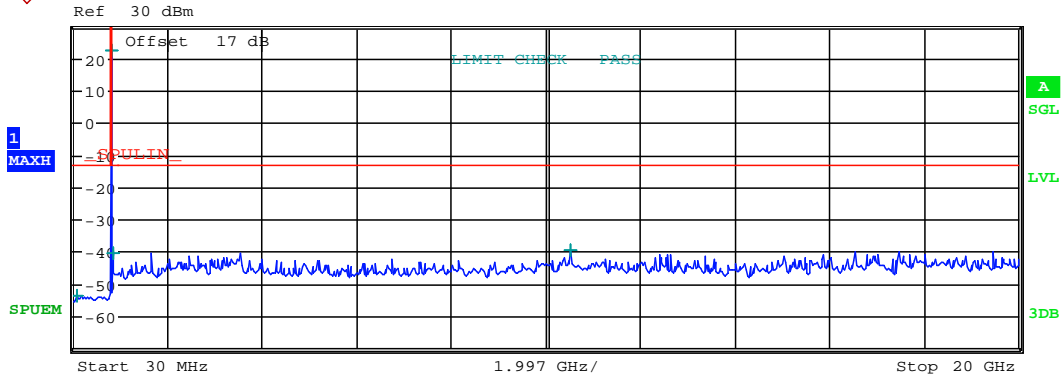


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz

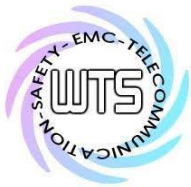


Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	106.641026 M	-53.93	-40.93
814.000 M	859.000 M	100.00 k	824.264500 M	22.19	-10.81
859.000 M	1.000 G	100.00 k	870.265900 M	-40.72	-27.72
1.000 G	20.000 G	1.00 M	10.533567 G	-39.89	-26.89

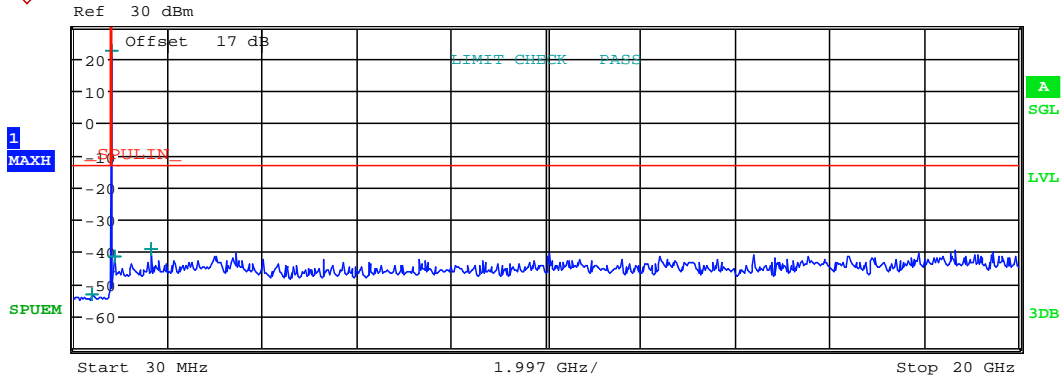
CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 3MHz CH20415

Date: 17.APR.2019 17:08:47



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	414.461538 M	-53.31	-40.31
814.000 M	859.000 M	100.00 k	835.262500 M	22.15	-10.85
859.000 M	1.000 G	100.00 k	881.099400 M	-41.50	-28.50
1.000 G	20.000 G	1.00 M	1.669433 G	-39.32	-26.32

CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 3MHz CH20525

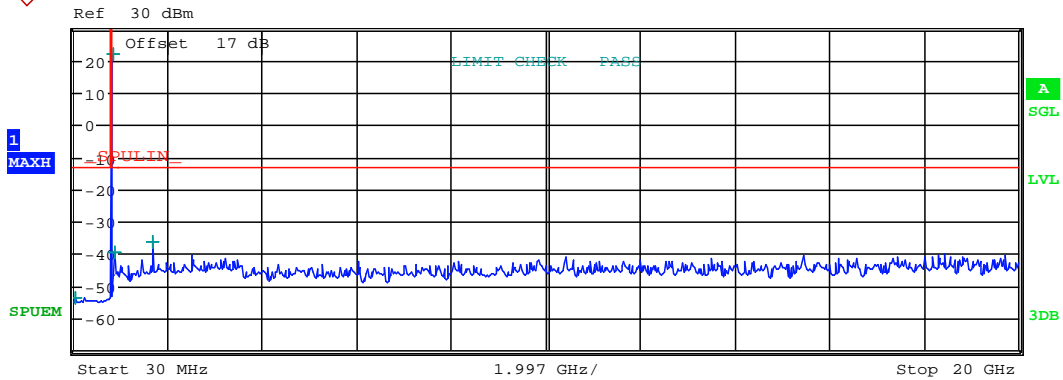
Date: 17.APR.2019 17:09:16



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	75.230769 M	-53.76	-40.76
814.000 M	859.000 M	100.00 k	846.278500 M	21.80	-11.20
859.000 M	1.000 G	100.00 k	893.737700 M	-39.93	-26.93
1.000 G	20.000 G	1.00 M	1.691600 G	-36.48	-23.48

CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 3MHz CH20635

Date: 17.APR.2019 17:09:50

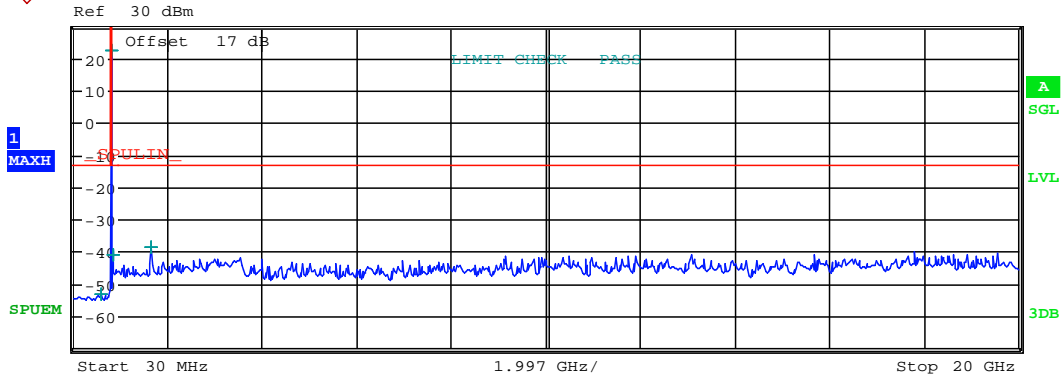


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



Start 30 MHz 1.997 GHz/ Stop 20 GHz

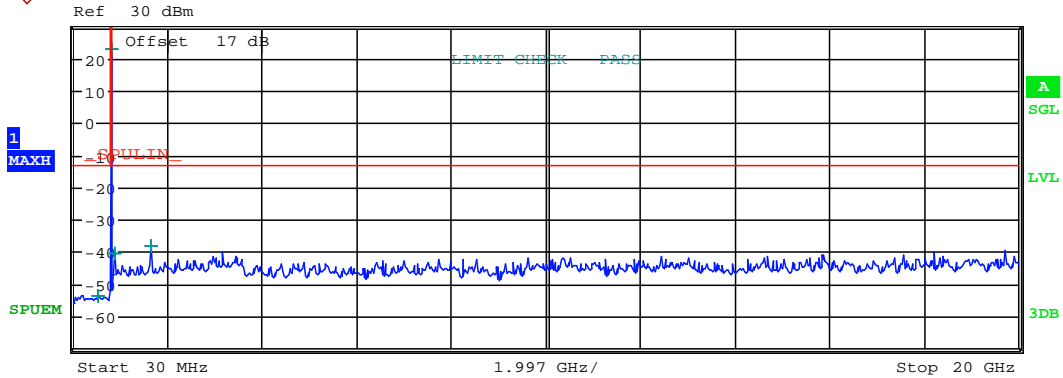
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	618.000000 M	-53.29	-40.29
814.000 M	859.000 M	100.00 k	824.350000 M	22.14	-10.86
859.000 M	1.000 G	100.00 k	873.353800 M	-41.23	-28.23
1.000 G	20.000 G	1.00 M	1.648533 G	-38.72	-25.72

CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 5MHz CH20425

Date: 17.APR.2019 17:16:44



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	547.641026 M	-53.59	-40.59
814.000 M	859.000 M	100.00 k	834.353500 M	22.53	-10.47
859.000 M	1.000 G	100.00 k	883.120400 M	-40.44	-27.44
1.000 G	20.000 G	1.00 M	1.666800 G	-38.45	-25.45

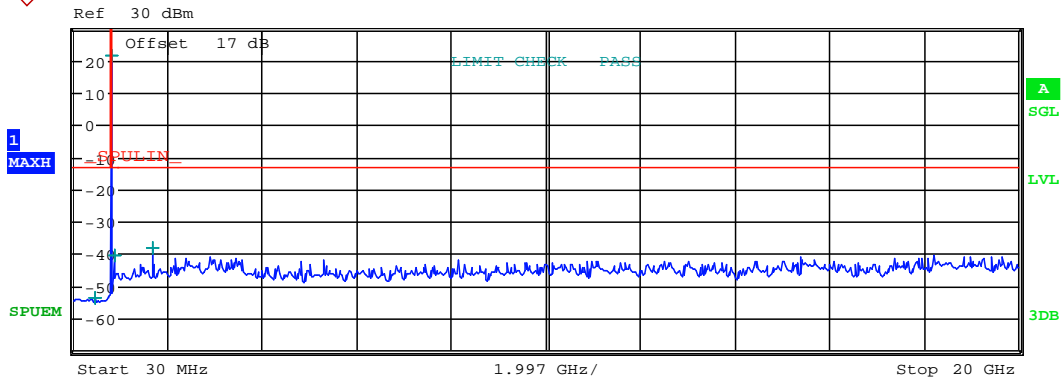
CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 5MHz CH20525

Date: 17.APR.2019 17:17:08



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	491.102564 M	-53.64	-40.64
814.000 M	859.000 M	100.00 k	844.361500 M	21.54	-11.46
859.000 M	1.000 G	100.00 k	892.482800 M	-40.48	-27.48
1.000 G	20.000 G	1.00 M	1.687800 G	-38.25	-25.25

CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 5MHz CH20625

Date: 17.APR.2019 17:17:34

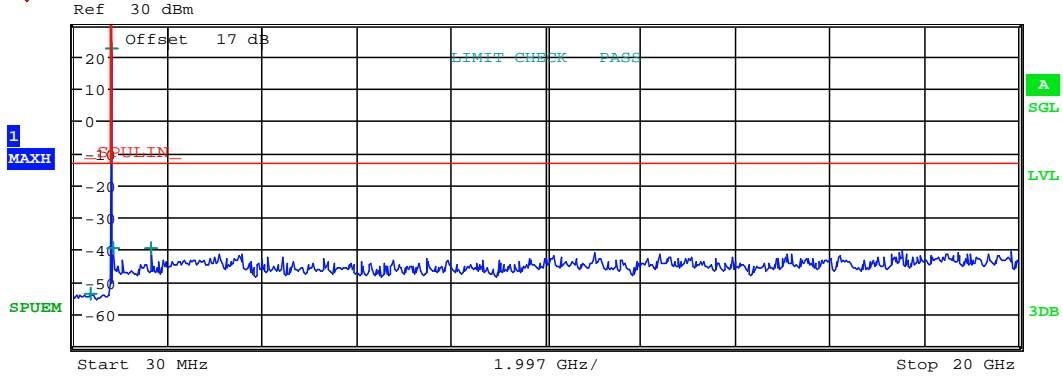


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



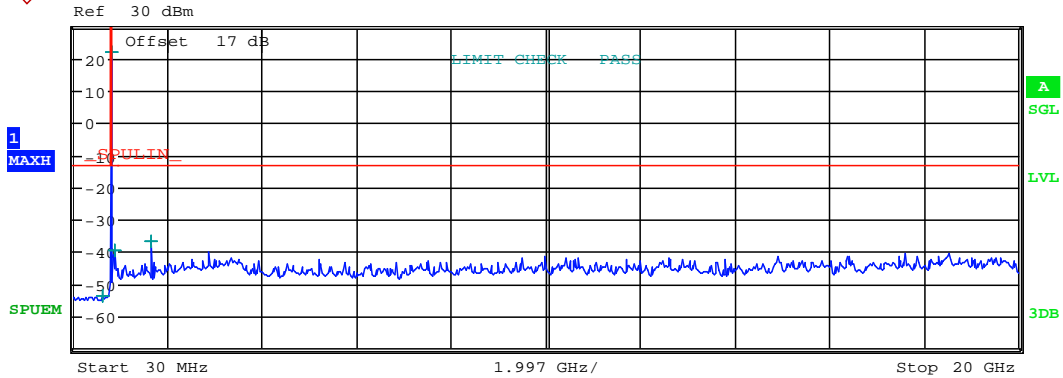
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	391.846154 M	-53.98	-40.98
814.000 M	859.000 M	100.00 k	824.611000 M	22.10	-10.90
859.000 M	1.000 G	100.00 k	873.588800 M	-39.57	-26.57
1.000 G	20.000 G	1.00 M	1.649800 G	-39.87	-26.87

CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 10MHz CH20450

Date: 17.APR.2019 17:20:15



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	635.589744 M	-54.00	-41.00
814.000 M	859.000 M	100.00 k	832.135000 M	21.90	-11.10
859.000 M	1.000 G	100.00 k	879.586000 M	-39.58	-26.58
1.000 G	20.000 G	1.00 M	1.663733 G	-36.71	-23.71

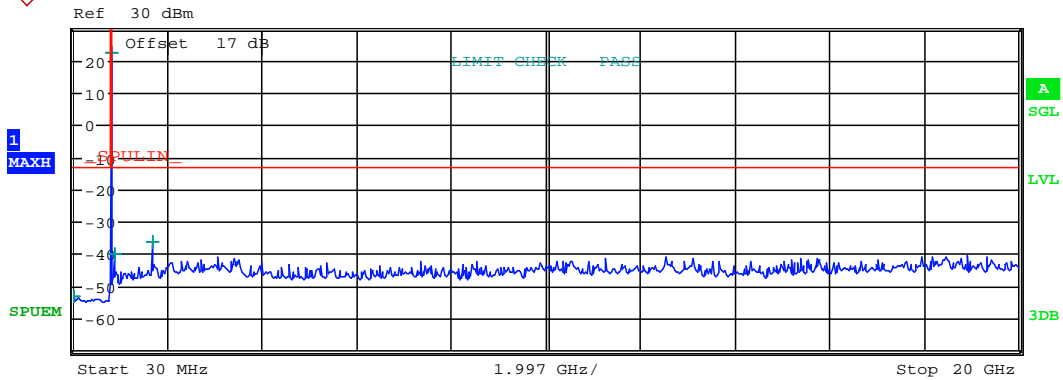
CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 10MHz CH20525

Date: 17.APR.2019 17:20:39



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	814.000 M	100.00 k	41.307692 M	-53.53	-40.53
814.000 M	859.000 M	100.00 k	839.650000 M	22.13	-10.87
859.000 M	1.000 G	100.00 k	885.634900 M	-40.33	-27.33
1.000 G	20.000 G	1.00 M	1.678933 G	-36.56	-23.56

CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB 10MHz CH20600

Date: 17.APR.2019 17:21:03



Worldwide Testing Services(Taiwan) Co., Ltd.

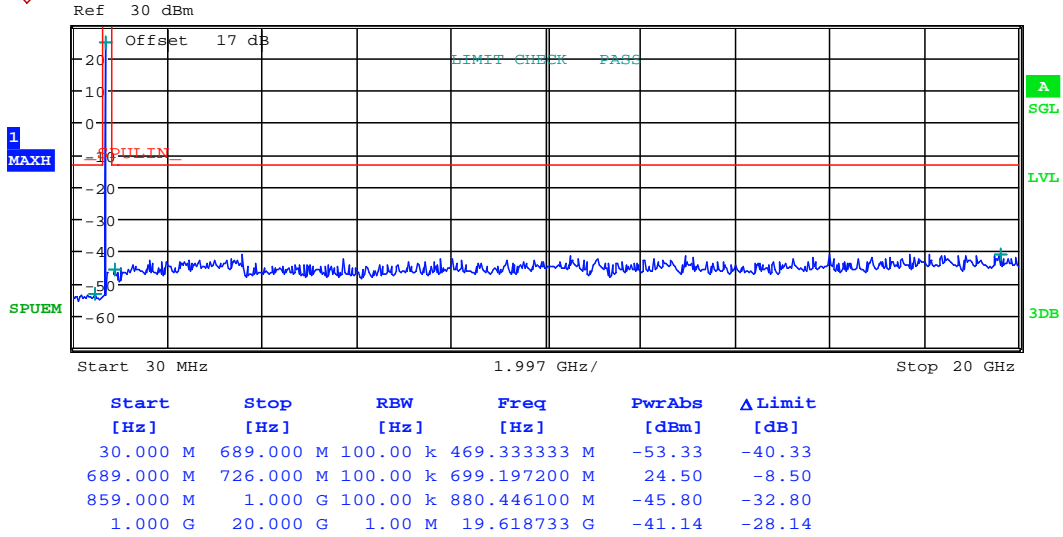
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band XII

16QAM

1.4MHz



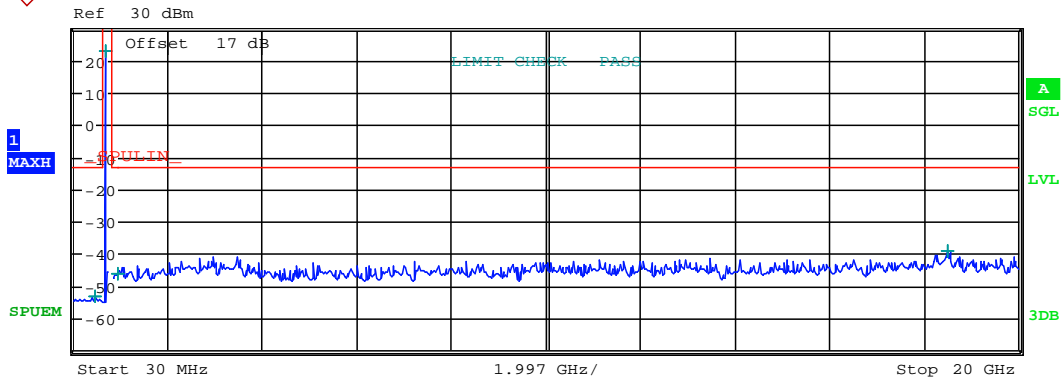
CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 1.4MHz CH23017

Date: 17.APR.2019 19:15:17



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

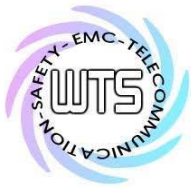


Start 30 MHz 1.997 GHz/ Stop 20 GHz

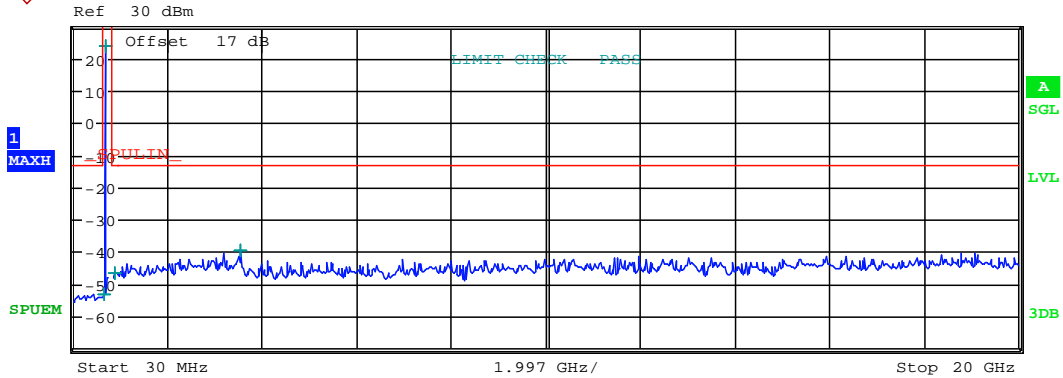
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	480.950321 M	-53.45	-40.45
689.000 M	726.000 M	100.00 k	707.074500 M	22.91	-10.09
859.000 M	1.000 G	100.00 k	948.817000 M	-46.30	-33.30
1.000 G	20.000 G	1.00 M	18.499633 G	-39.40	-26.40

CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 1.4MHz CH23095

Date: 17.APR.2019 19:14:47



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	679.495192 M	-53.37	-40.37
689.000 M	726.000 M	100.00 k	714.885200 M	23.49	-9.51
859.000 M	1.000 G	100.00 k	896.872600 M	-46.55	-33.55
1.000 G	20.000 G	1.00 M	3.553600 G	-39.56	-26.56

CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 1.4MHz CH23173

Date: 17.APR.2019 19:14:19

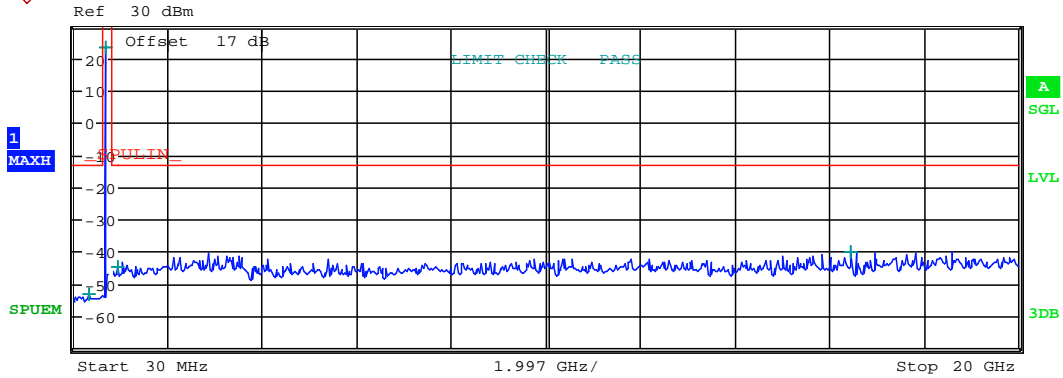


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



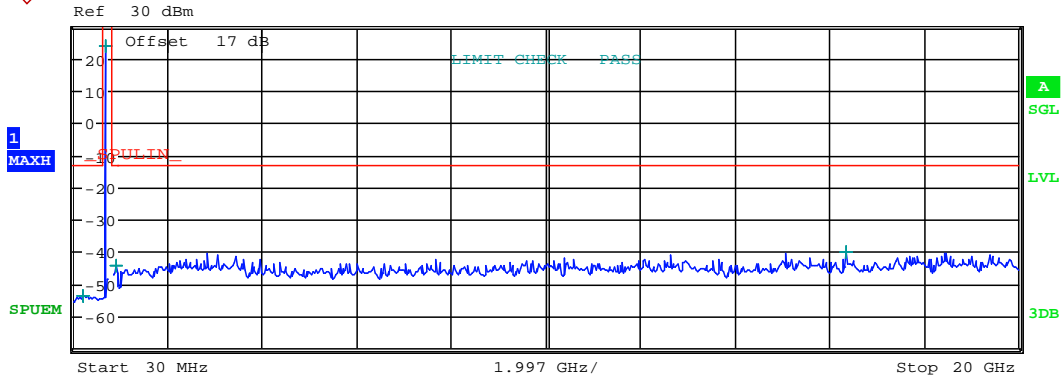
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	689.000 M	100.00 k	342.602564 M	-53.51	-40.51
689.000 M	726.000 M	100.00 k	699.241600 M	23.30	-9.70
859.000 M	1.000 G	100.00 k	964.416300 M	-44.99	-31.99
1.000 G	20.000 G	1.00 M	16.457767 G	-40.27	-27.27

CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 3MHz CH23025

Date: 17.APR.2019 19:19:21



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	224.320513 M	-53.73	-40.73
689.000 M	726.000 M	100.00 k	706.227200 M	23.58	-9.42
859.000 M	1.000 G	100.00 k	919.493700 M	-44.49	-31.49
1.000 G	20.000 G	1.00 M	16.345033 G	-40.00	-27.00

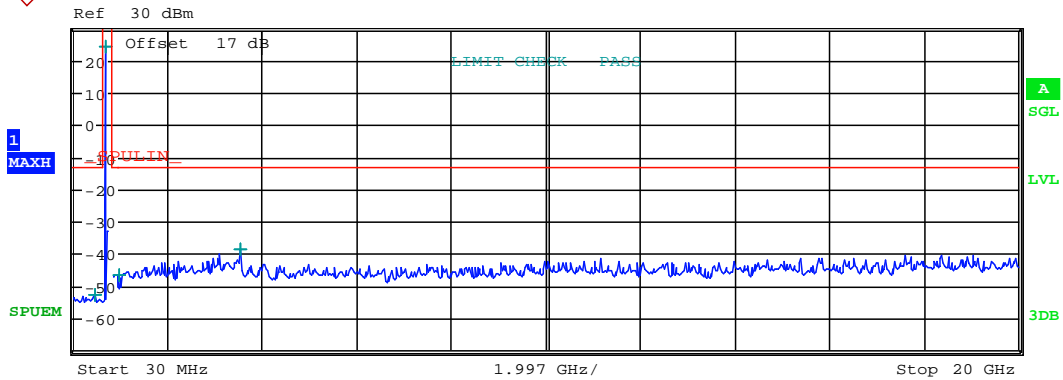
CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 3MHz CH23095

Date: 17.APR.2019 19:18:58



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	467.221154 M	-52.91	-39.91
689.000 M	726.000 M	100.00 k	715.780600 M	24.04	-8.96
859.000 M	1.000 G	100.00 k	982.572400 M	-46.62	-33.62
1.000 G	20.000 G	1.00 M	3.555500 G	-38.79	-25.79

CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 3MHz CH23165

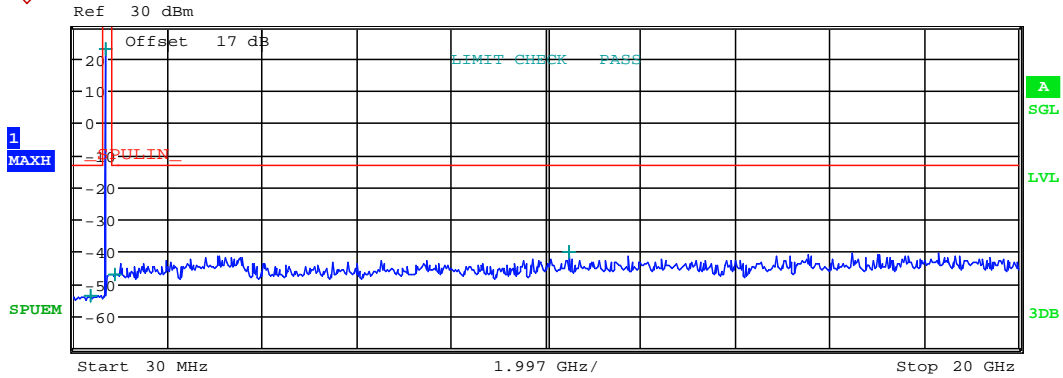
Date: 17.APR.2019 19:18:17



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



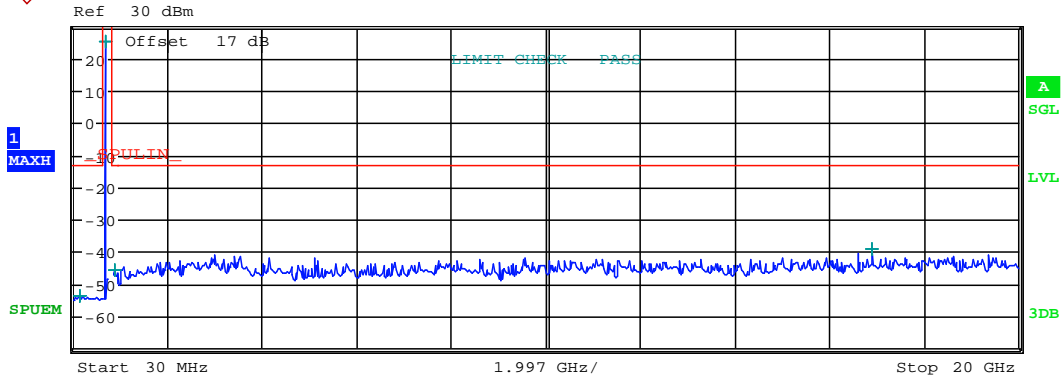
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	689.000 M	100.00 k	375.341346 M	-53.72	-40.72
689.000 M	726.000 M	100.00 k	699.397000 M	22.81	-10.19
859.000 M	1.000 G	100.00 k	892.952800 M	-47.06	-34.06
1.000 G	20.000 G	1.00 M	10.503167 G	-40.19	-27.19

CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 5MHz CH23035

Date: 17.APR.2019 19:24:16



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	158.842949 M	-53.83	-40.83
689.000 M	726.000 M	100.00 k	705.394700 M	24.97	-8.03
859.000 M	1.000 G	100.00 k	902.442100 M	-45.81	-32.81
1.000 G	20.000 G	1.00 M	16.889700 G	-39.33	-26.33

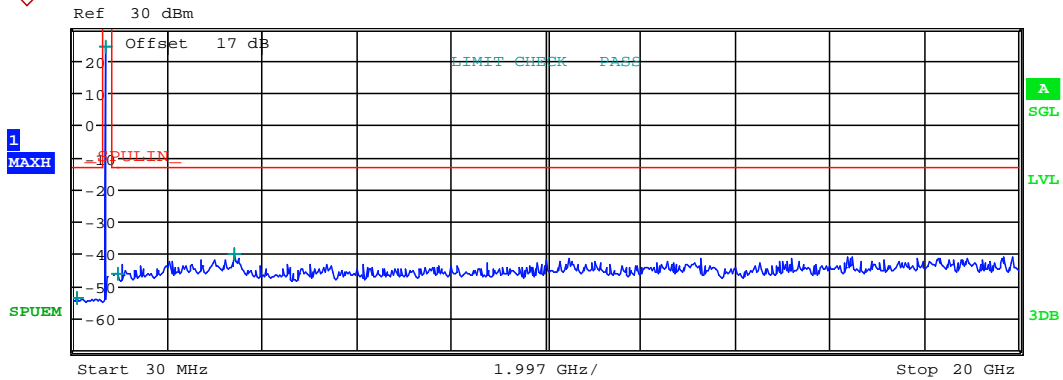
CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 5MHz CH23095

Date: 17.APR.2019 19:23:51



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

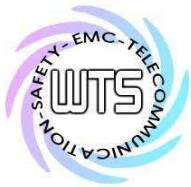


Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	93.365385 M	-53.98	-40.98
689.000 M	726.000 M	100.00 k	711.325800 M	24.07	-8.93
859.000 M	1.000 G	100.00 k	957.822200 M	-46.07	-33.07
1.000 G	20.000 G	1.00 M	3.407933 G	-40.28	-27.28

CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 5MHz CH23155

Date: 17.APR.2019 19:23:21

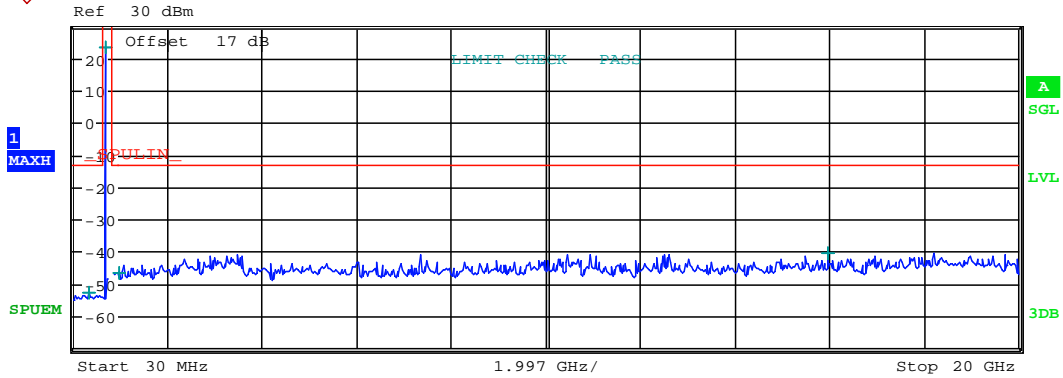


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



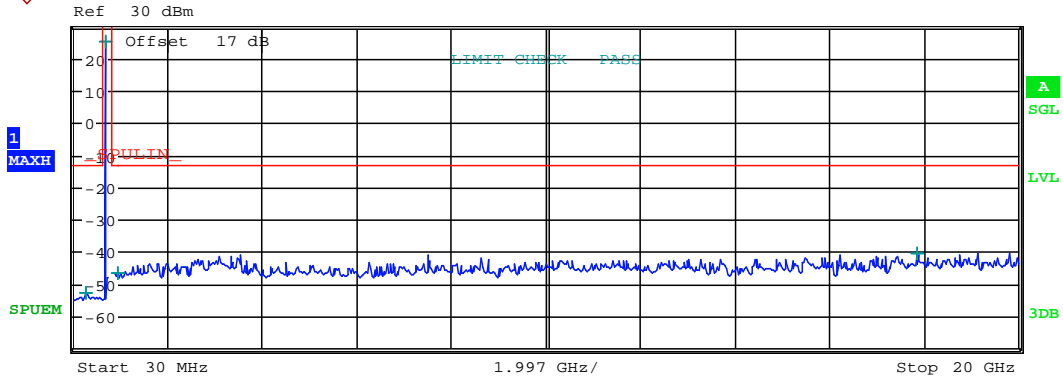
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	689.000 M	100.00 k	363.724359 M	-52.81	-39.81
689.000 M	726.000 M	100.00 k	699.663400 M	23.18	-9.82
859.000 M	1.000 G	100.00 k	988.809300 M	-46.59	-33.59
1.000 G	20.000 G	1.00 M	15.968200 G	-40.60	-27.60

CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 10MHz CH23060

Date: 17.APR.2019 19:28:46



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	294.022436 M	-52.96	-39.96
689.000 M	726.000 M	100.00 k	703.097000 M	25.21	-7.79
859.000 M	1.000 G	100.00 k	953.244400 M	-46.54	-33.54
1.000 G	20.000 G	1.00 M	17.862500 G	-40.56	-27.56

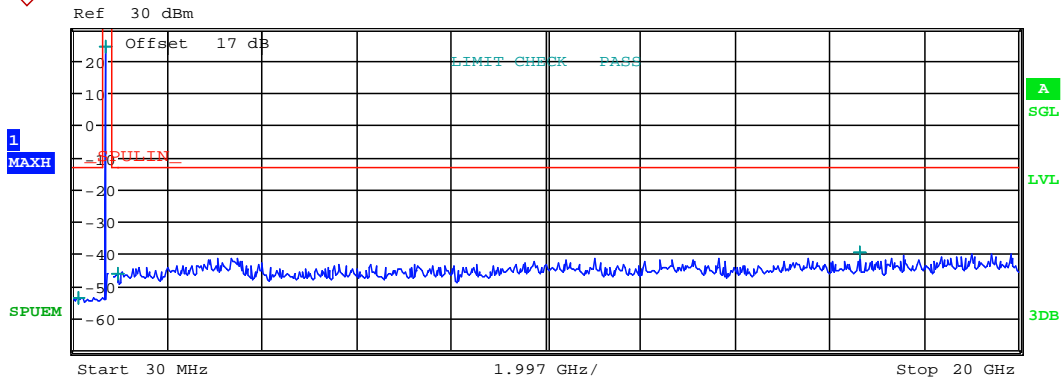
CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 10MHz CH23095

Date: 17.APR.2019 19:28:16



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	120.823718 M	-53.67	-40.67
689.000 M	726.000 M	100.00 k	706.567600 M	24.31	-8.69
859.000 M	1.000 G	100.00 k	965.299900 M	-46.35	-33.35
1.000 G	20.000 G	1.00 M	16.633200 G	-39.84	-26.84

CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB 10MHz CH23130

Date: 17.APR.2019 19:27:46



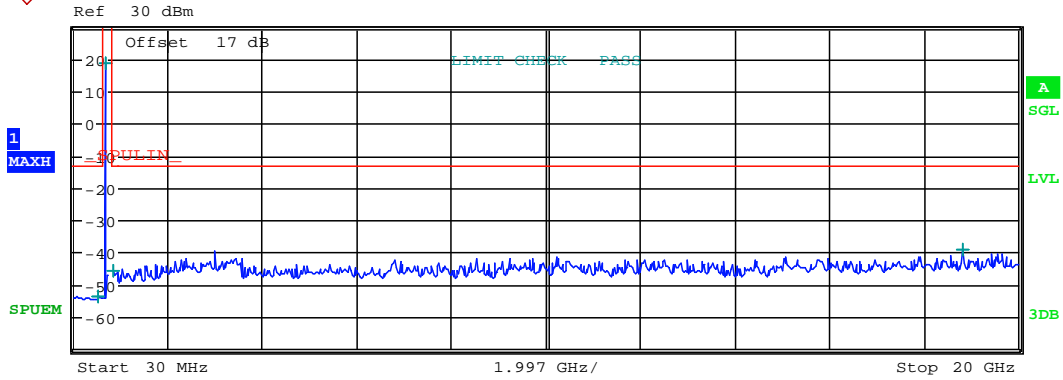
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

1.4MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	689.000 M	100.00 k	558.044872 M	-53.63	-40.63
689.000 M	726.000 M	100.00 k	699.541300 M	18.70	-14.30
859.000 M	1.000 G	100.00 k	872.084800 M	-45.77	-32.77
1.000 G	20.000 G	1.00 M	18.813133 G	-39.46	-26.46

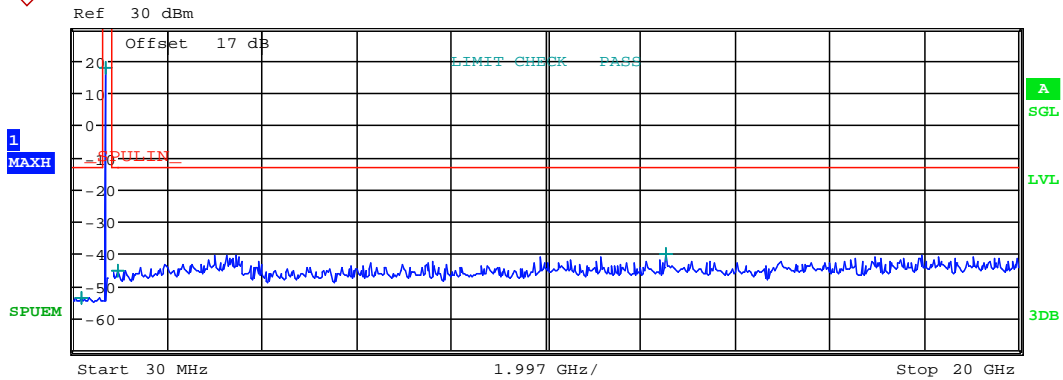
CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 1.4MHz CH23017

Date: 17.APR.2019 19:11:13



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	192.637821 M	-53.60	-40.60
689.000 M	726.000 M	100.00 k	707.463000 M	17.69	-15.31
859.000 M	1.000 G	100.00 k	969.158600 M	-45.54	-32.54
1.000 G	20.000 G	1.00 M	12.539333 G	-40.12	-27.12

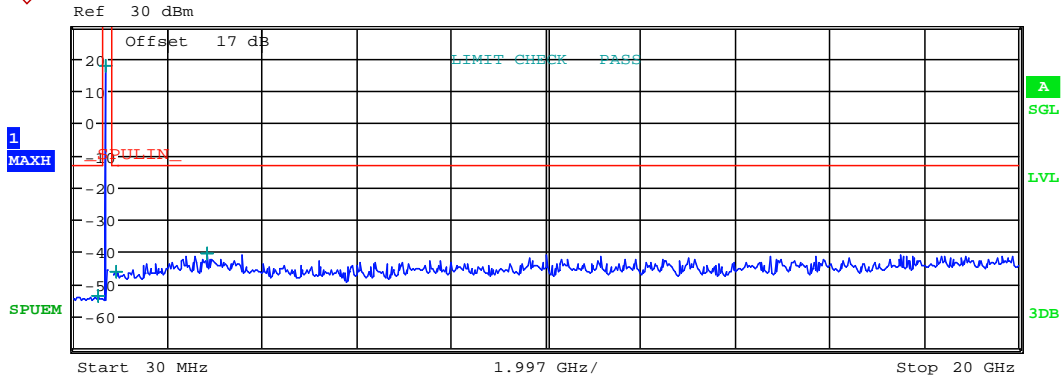
CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 1.4MHz CH23095

Date: 17.APR.2019 19:11:58



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	531.642628 M	-54.01	-41.01
689.000 M	726.000 M	100.00 k	714.966600 M	17.34	-15.66
859.000 M	1.000 G	100.00 k	910.662400 M	-46.27	-33.27
1.000 G	20.000 G	1.00 M	2.851233 G	-40.45	-27.45

CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 1.4MHz CH23173

Date: 17.APR.2019 19:13:12

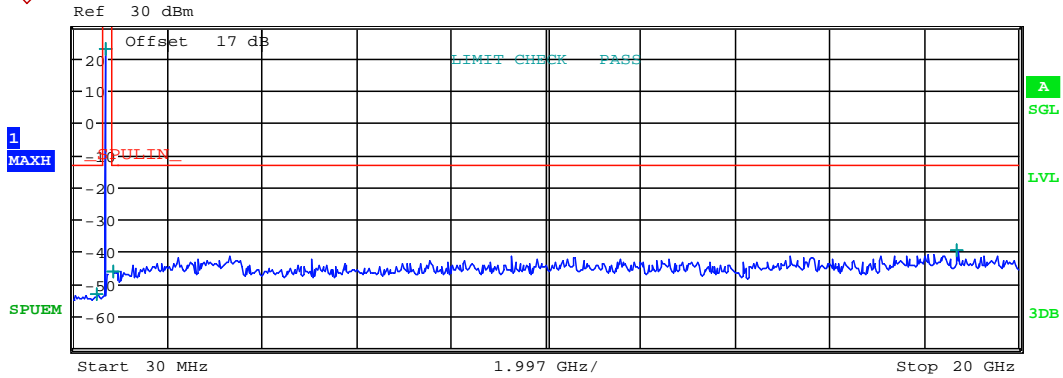


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



Start 30 MHz 1.997 GHz/ Stop 20 GHz

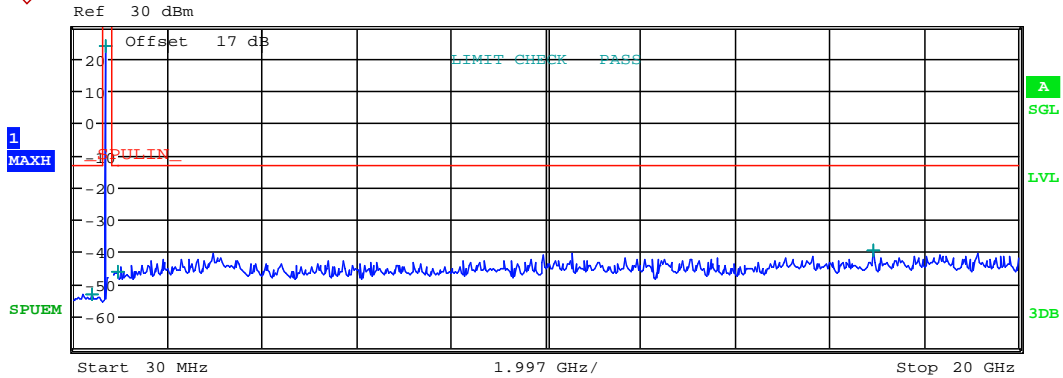
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	525.306090 M	-53.54	-40.54
689.000 M	726.000 M	100.00 k	699.311900 M	22.77	-10.23
859.000 M	1.000 G	100.00 k	866.092300 M	-46.29	-33.29
1.000 G	20.000 G	1.00 M	18.703567 G	-39.57	-26.57

CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 3MHz CH23025

Date: 17.APR.2019 19:16:30



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	426.033654 M	-53.12	-40.12
689.000 M	726.000 M	100.00 k	706.279000 M	23.49	-9.51
859.000 M	1.000 G	100.00 k	949.338700 M	-46.44	-33.44
1.000 G	20.000 G	1.00 M	16.932133 G	-39.60	-26.60

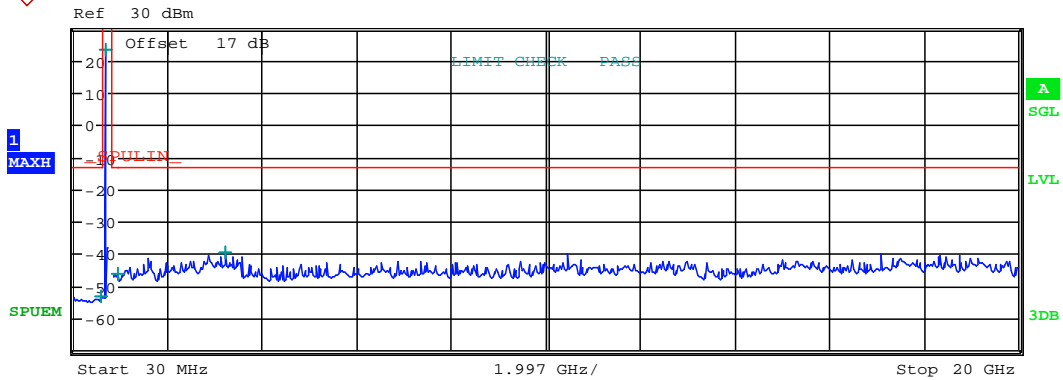
CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 3MHz CH23095

Date: 17.APR.2019 19:16:58



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	596.064103 M	-53.35	-40.35
689.000 M	726.000 M	100.00 k	713.179500 M	23.40	-9.60
859.000 M	1.000 G	100.00 k	943.590600 M	-46.34	-33.34
1.000 G	20.000 G	1.00 M	3.221733 G	-39.49	-26.49

CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 3MHz CH23165

Date: 17.APR.2019 19:17:38

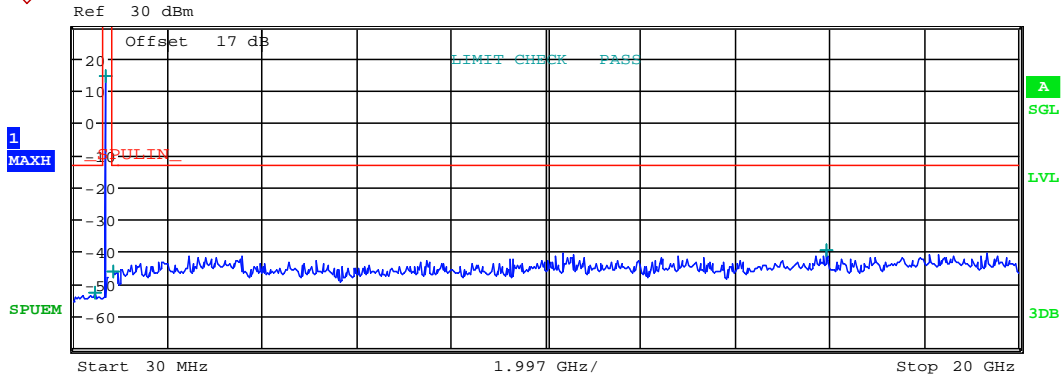


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	473.557692 M	-52.70	-39.70
689.000 M	726.000 M	100.00 k	701.835300 M	14.40	-18.60
859.000 M	1.000 G	100.00 k	860.814200 M	-46.36	-33.36
1.000 G	20.000 G	1.00 M	15.930833 G	-39.89	-26.89

CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 5MHz CH23035

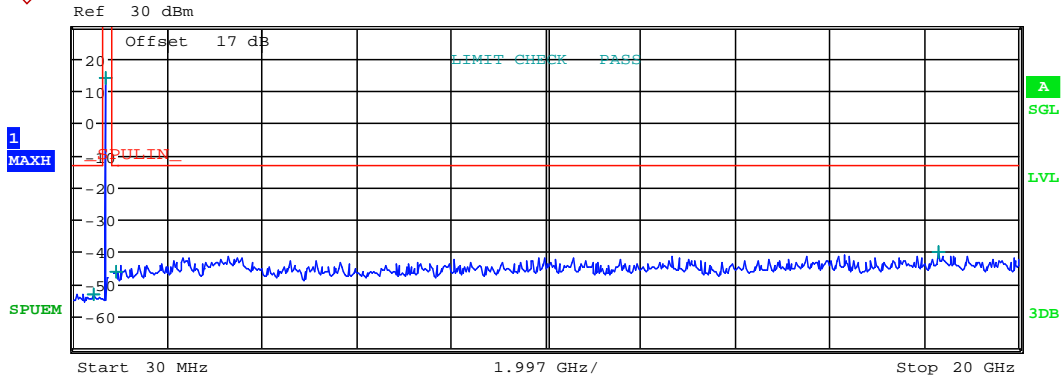
Date: 17.APR.2019 19:20:44



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

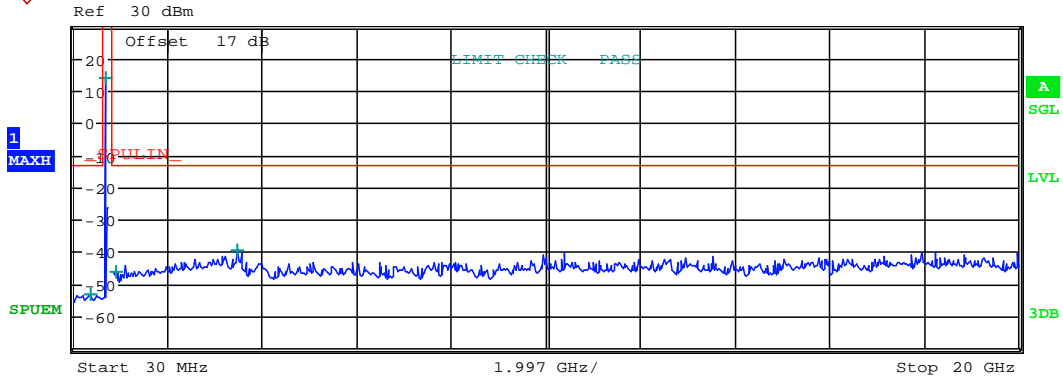
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	435.538462 M	-53.22	-40.22
689.000 M	726.000 M	100.00 k	706.467700 M	13.77	-19.23
859.000 M	1.000 G	100.00 k	912.142900 M	-46.08	-33.08
1.000 G	20.000 G	1.00 M	18.306467 G	-39.96	-26.96

CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 5MHz CH23095

Date: 17.APR.2019 19:22:14



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	382.733974 M	-53.33	-40.33
689.000 M	726.000 M	100.00 k	714.833400 M	13.64	-19.36
859.000 M	1.000 G	100.00 k	927.356800 M	-46.09	-33.09
1.000 G	20.000 G	1.00 M	3.475067 G	-39.88	-26.88

CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 5MHz CH23155

Date: 17.APR.2019 19:22:41

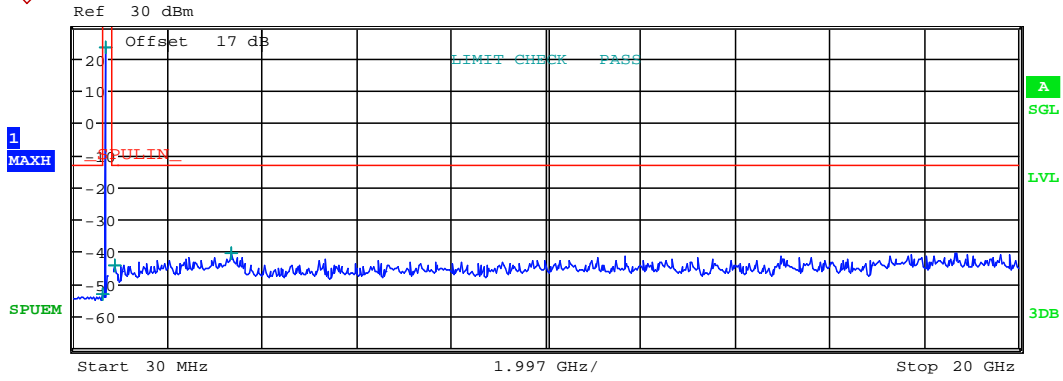


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	689.000 M	100.00 k	639.363782 M	-53.51	-40.51
689.000 M	726.000 M	100.00 k	699.556100 M	23.21	-9.79
859.000 M	1.000 G	100.00 k	891.500500 M	-44.18	-31.18
1.000 G	20.000 G	1.00 M	3.357267 G	-40.45	-27.45

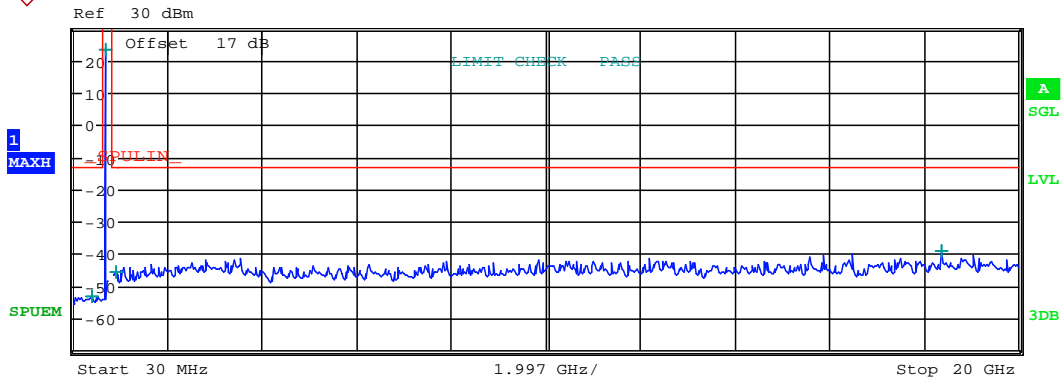
CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 10MHz CH23060

Date: 17.APR.2019 19:25:32



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	417.584936 M	-53.52	-40.52
689.000 M	726.000 M	100.00 k	703.119200 M	23.42	-9.58
859.000 M	1.000 G	100.00 k	926.586000 M	-45.85	-32.85
1.000 G	20.000 G	1.00 M	18.357767 G	-39.48	-26.48

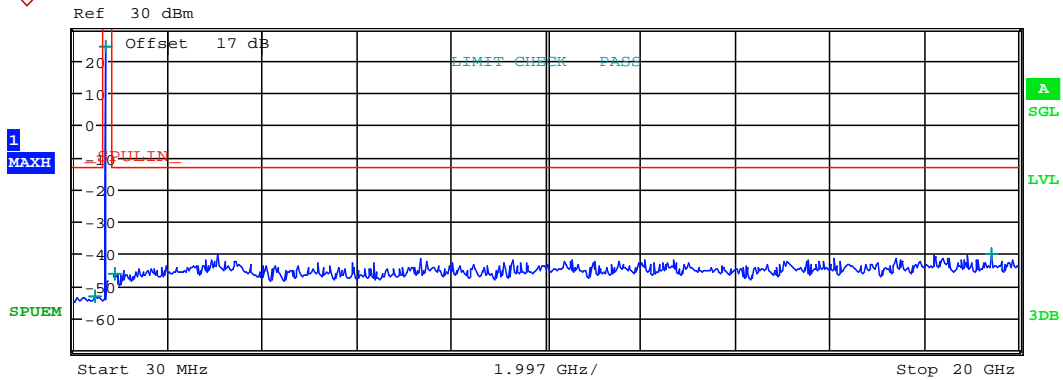
CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 10MHz CH23095

Date: 17.APR.2019 19:26:41



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	689.000 M	100.00 k	469.333333 M	-53.33	-40.33
689.000 M	726.000 M	100.00 k	706.615700 M	24.08	-8.92
859.000 M	1.000 G	100.00 k	880.939600 M	-46.35	-33.35
1.000 G	20.000 G	1.00 M	19.408467 G	-40.32	-27.32

CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB 10MHz CH23130

Date: 17.APR.2019 19:27:08



Worldwide Testing Services(Taiwan) Co., Ltd.

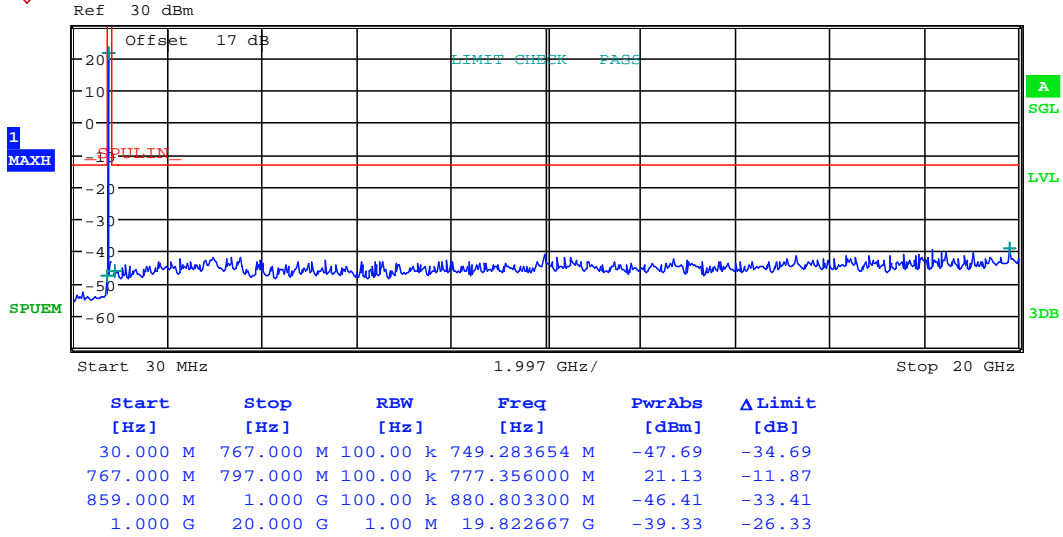
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band XIII

16QAM

5MHz



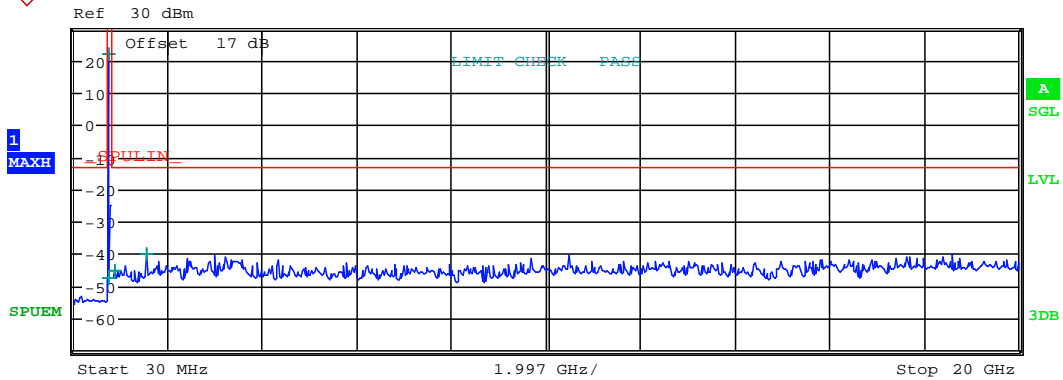
CONDUCTED SPURIOUS EMISSION BAND13 16QAM 1RB 5MHz CH23205

Date: 17.APR.2019 19:38:56



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



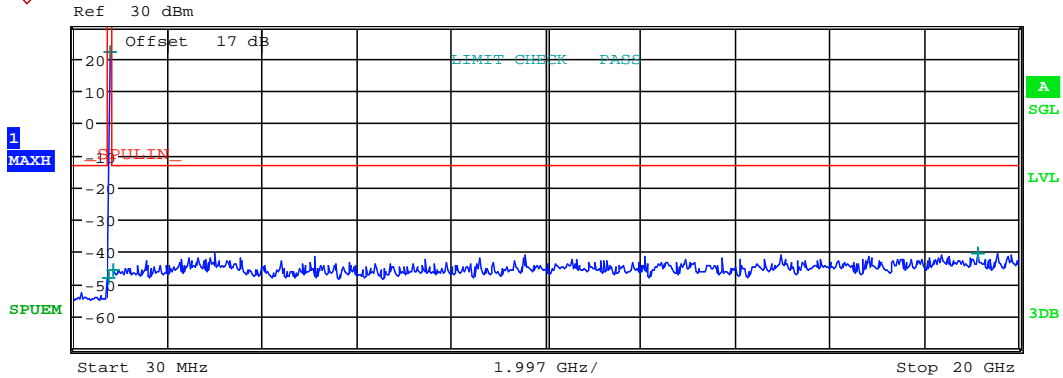
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	767.000 M	100.00 k	751.645833 M	-47.79	-34.79
767.000 M	797.000 M	100.00 k	779.780000 M	21.62	-11.38
859.000 M	1.000 G	100.00 k	886.133100 M	-45.36	-32.36
1.000 G	20.000 G	1.00 M	1.559233 G	-40.33	-27.33

CONDUCTED SPURIOUS EMISSION BAND13 16QAM 1RB 5MHz CH23230

Date: 17.APR.2019 19:38:25



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	767.000 M	100.00 k	752.826923 M	-48.01	-35.01
767.000 M	797.000 M	100.00 k	782.324000 M	21.88	-11.12
859.000 M	1.000 G	100.00 k	860.433500 M	-46.02	-33.02
1.000 G	20.000 G	1.00 M	19.132333 G	-40.71	-27.71

CONDUCTED SPURIOUS EMISSION BAND13 16QAM 1RB 5MHz CH23255

Date: 17.APR.2019 19:37:58

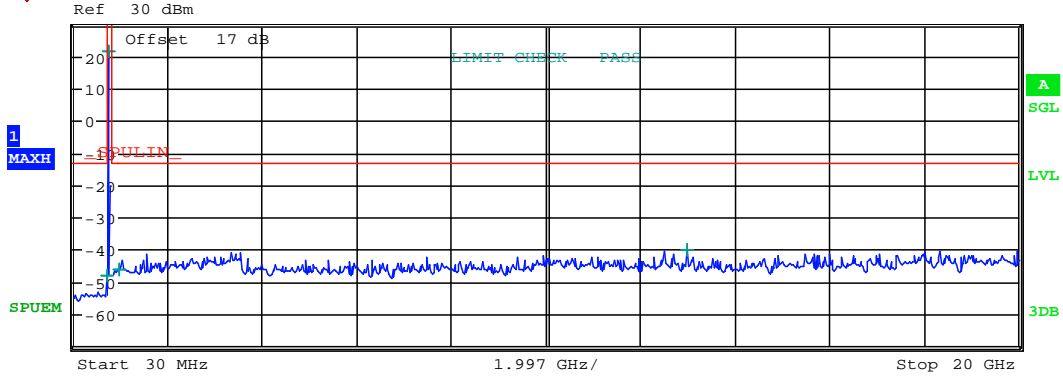


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	767.000 M	100.00 k	749.283654 M	-48.06	-35.06
767.000 M	797.000 M	100.00 k	777.533000 M	21.50	-11.50
859.000 M	1.000 G	100.00 k	997.236400 M	-46.44	-33.44
1.000 G	20.000 G	1.00 M	12.989000 G	-40.07	-27.07

CONDUCTED SPURIOUS EMISSION BAND13 16QAM 1RB 10MHz CH23230

Date: 17.APR.2019 19:39:50



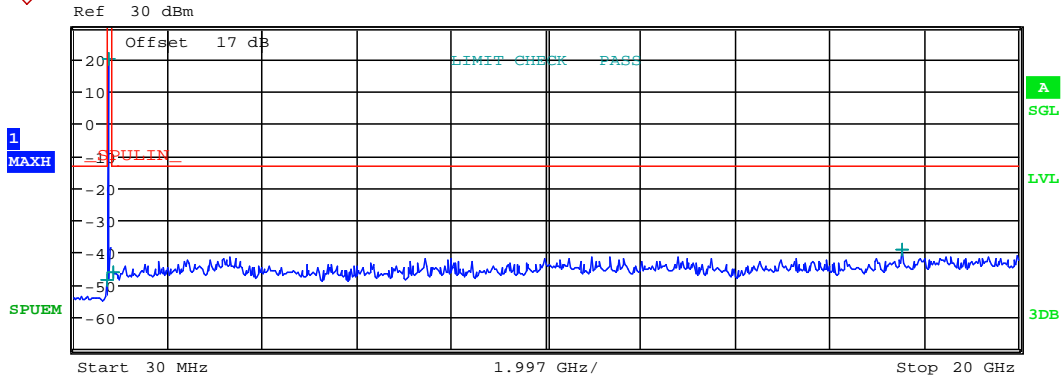
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

5MHz



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	767.000 M	100.00 k	748.102564 M	-48.70	-35.70
767.000 M	797.000 M	100.00 k	777.317000 M	19.98	-13.02
859.000 M	1.000 G	100.00 k	865.547100 M	-46.51	-33.51
1.000 G	20.000 G	1.00 M	17.538867 G	-39.42	-26.42

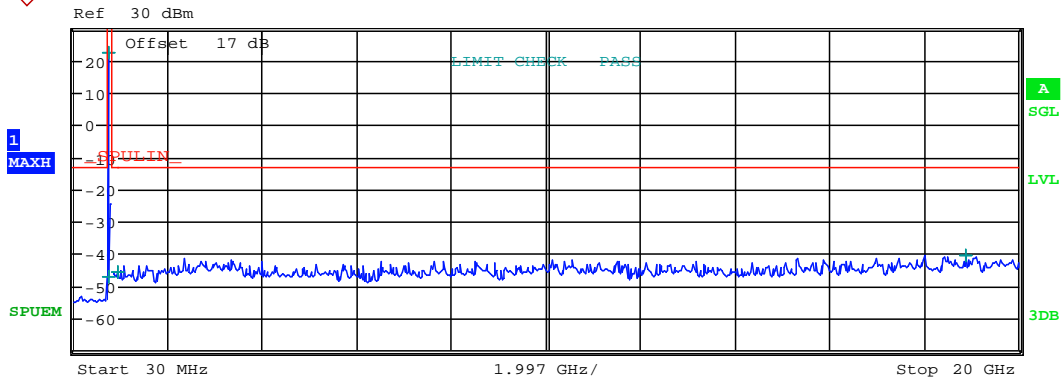
CONDUCTED SPURIOUS EMISSION BAND13 QPSK 1RB 5MHz CH23205

Date: 17.APR.2019 19:33:51



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Start 30 MHz 1.997 GHz/ Stop 20 GHz

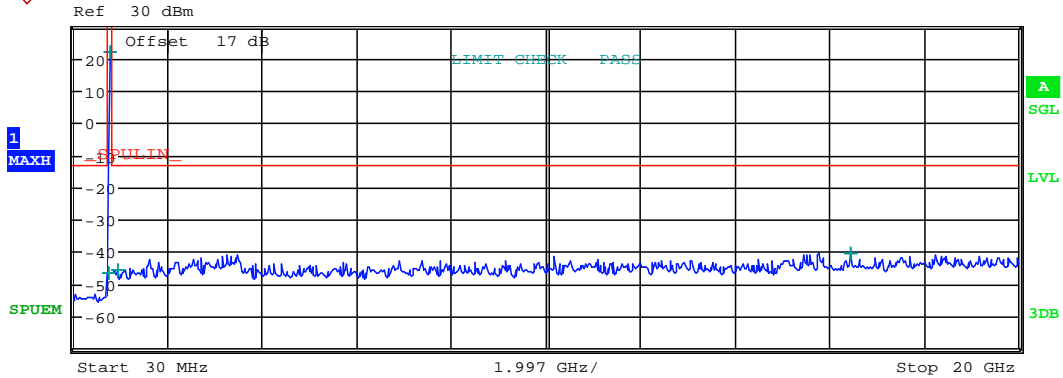
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	767.000 M	100.00 k	752.826923 M	-47.39	-34.39
767.000 M	797.000 M	100.00 k	779.807000 M	22.23	-10.77
859.000 M	1.000 G	100.00 k	969.661500 M	-45.90	-32.90
1.000 G	20.000 G	1.00 M	18.892933 G	-40.73	-27.73

CONDUCTED SPURIOUS EMISSION BAND13 QPSK 1RB 5MHz CH23230

Date: 17.APR.2019 19:35:02



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	767.000 M	100.00 k	752.826923 M	-46.84	-33.84
767.000 M	797.000 M	100.00 k	782.294000 M	21.74	-11.26
859.000 M	1.000 G	100.00 k	969.468800 M	-45.73	-32.73
1.000 G	20.000 G	1.00 M	16.435600 G	-40.66	-27.66

CONDUCTED SPURIOUS EMISSION BAND13 QPSK 1RB 5MHz CH23255

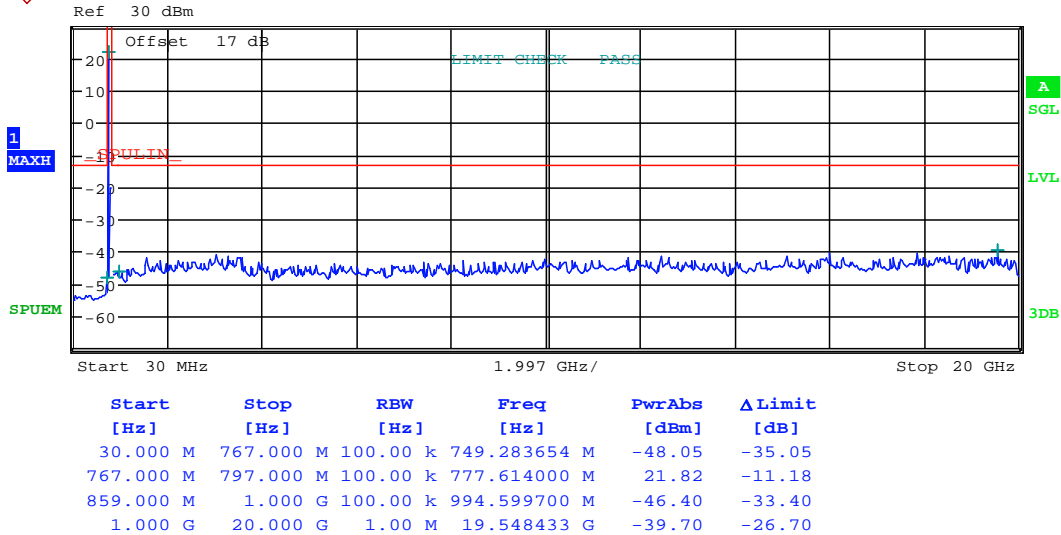
Date: 17.APR.2019 19:37:11



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



CONDUCTED SPURIOUS EMISSION BAND13 QPSK 1RB 10MHz CH23230

Date: 17.APR.2019 19:40:32

Test equipment: ETSTW-RE 055, ETSTW-GSM 002, ETSTW-GSM 023, ETSTW-GSM 004

7.3 Explanation of test result

All factors like cable loss and external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according to the accreditation requirements.

7.4 Calculation of Limit for Spurious at Antenna Terminals

Compliance with § 22.917, §24.238, §27.53 requires that any emission be attenuated below the transmitter power at least $43 + 10 \log P$ (P = transmitter power in Watts).

Limit for Spurious Emissions at Antenna Terminals: $L=P-A=-13\text{dBm}$



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

8. Field Strength of Spurious Radiation

8.1 Test procedure

The test procedure for filed strength measurement is same as radiated power except for a notch filter or band pass filter is used to avoid the influence of fundamental to the pre-amplifier. The measurements below 1GHz were performed with a measurement bandwidth of 100kHz, above 1GHz with a bandwidth of 1 MHz.

8.2 Test Results

The measurements of the spurious emission are at the upper, center and lower channel.

Model: Algiz RT10 Date:
 Mode: -- Temperature: -- °C Engineer: --
 Polarization: Horizontal Humidity: -- %

Frequency (MHz)	Reading (dBm) Peak	Factor (dB) Corr.	Result (dBm)	Limit (dBm)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--

Polarization: Vertical

Frequency (MHz)	Reading (dBm) Peak	Factor (dB) Corr.	Result (dBm)	Limit (dBm)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--

- Note**
- 1. Correction Factor = Antenna factor + Cable loss - Preamplifier**
 - 2. The formula of measured value as: Test Result = Reading + Correction Factor**
 - 3. Detector function in the form: PK = Peak, QP = Quasi Peak, AV = Average**
 - 4. All not in the table noted test results are more than 20 dB below the relevant limits.**
 - 5. See attached diagrams in appendix.**

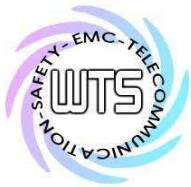
8.3 Explanation of test result

Result Level = Reading Level + Corrected Factor
 Corrected Factor = SG level – Received level-Cable loss + substitution antenna gain

8.4 Calculation of Limit for Field Strength of Spurious

Compliance with § 22.917, § 24.238, § 27.53 requires that any emission be attenuated below the transmitter power at least 43 + 10 log P (P = transmitter power in Watts).
 Limit for Spurious Emissions at Antenna Terminals: L=P-A=-13dBm

Test equipment: ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 030, ETSTW-RE 062,
 ETSTW-RE 142, ETSTW-RE 147, ETSTW-GSM 004



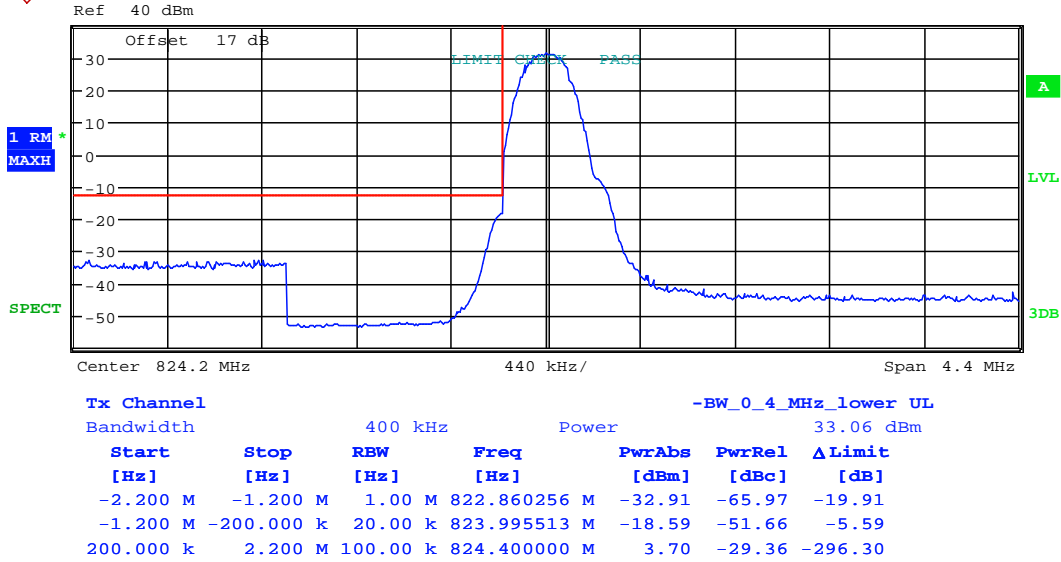
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

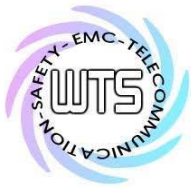
8.5 Test result of band edge emissions

GSM

Band 850 MHz



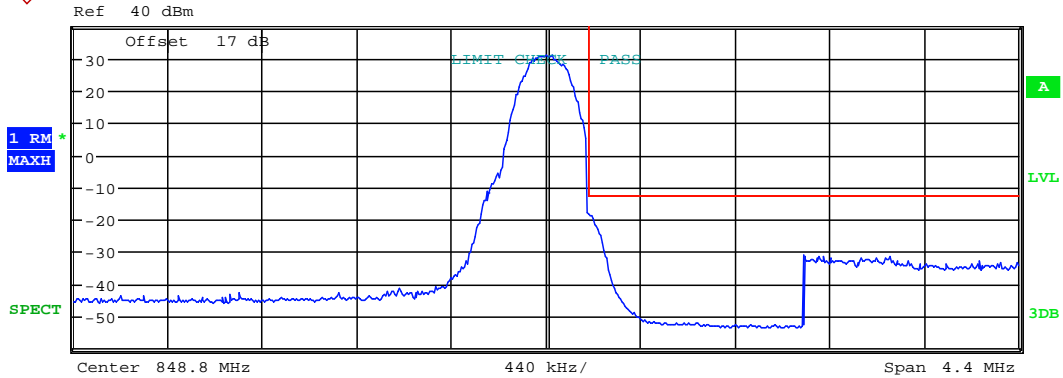
Date: 17.APR.2019 20:19:21



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				-BW_0_4_MHz_higher UL		
Bandwidth		400 kHz	Power		32.56 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-2.200 M	-200.000 k	100.00 k	848.595513 M	-3.68	-36.23	-303.68
200.000 k	1.200 M	20.00 k	849.000000 M	-18.54	-51.09	-5.54
1.200 M	2.200 M	1.00 M	850.090385 M	-31.42	-63.98	-18.42

Date: 17.APR.2019 20:20:49

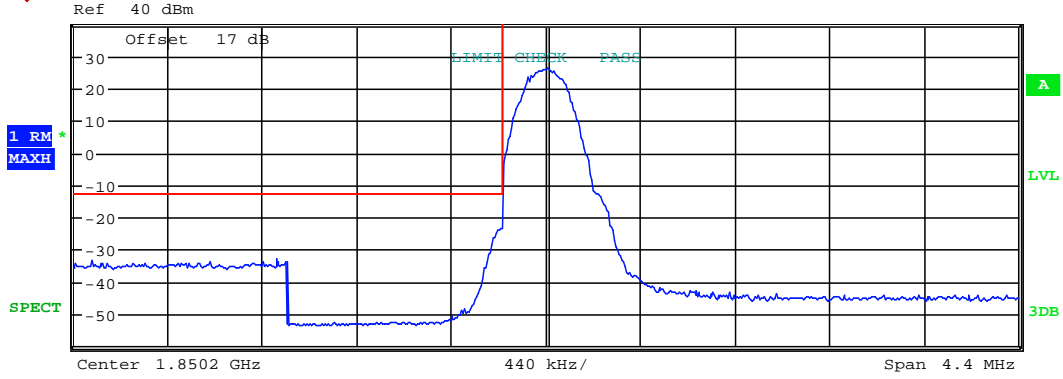


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

Band 1900 MHz



Tx Channel				-BW_0_4_MHz_lower UL		
Bandwidth		400 kHz	Power		27.36 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-2.200 M	-1.200 M	1.00 M	1.848945 G	-32.89	-60.26	-19.89
-1.200 M	-200.000 k	20.00 k	1.849996 G	-23.70	-51.06	-10.70
200.000 k	2.200 M	100.00 k	1.850400 G	-1.19	-28.55	-301.19

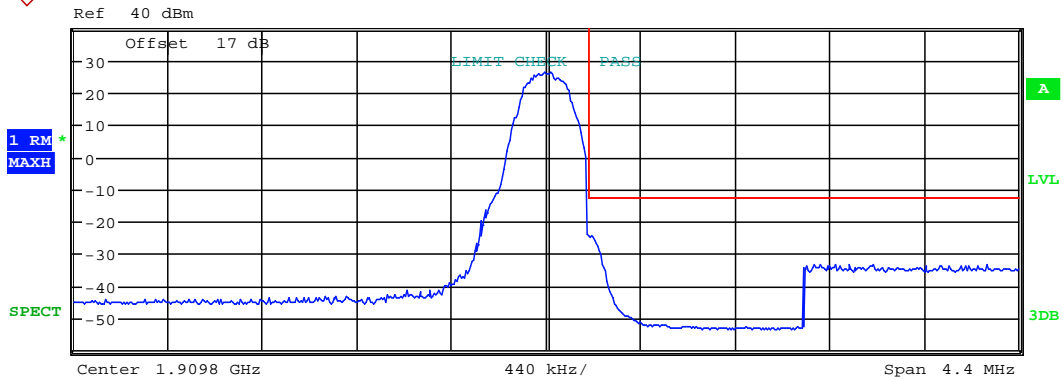
Date: 17.APR.2019 20:15:00



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				-BW_0_4_MHz_higher UL		
Bandwidth		400 kHz	Power		27.87 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-2.200 M	-200.000 k	100.00 k	1.909596 G	-6.42	-34.29	-306.42
200.000 k	1.200 M	20.00 k	1.910012 G	-24.22	-52.09	-11.22
1.200 M	2.200 M	1.00 M	1.911076 G	-33.41	-61.28	-20.41

Date: 17.APR.2019 20:16:47



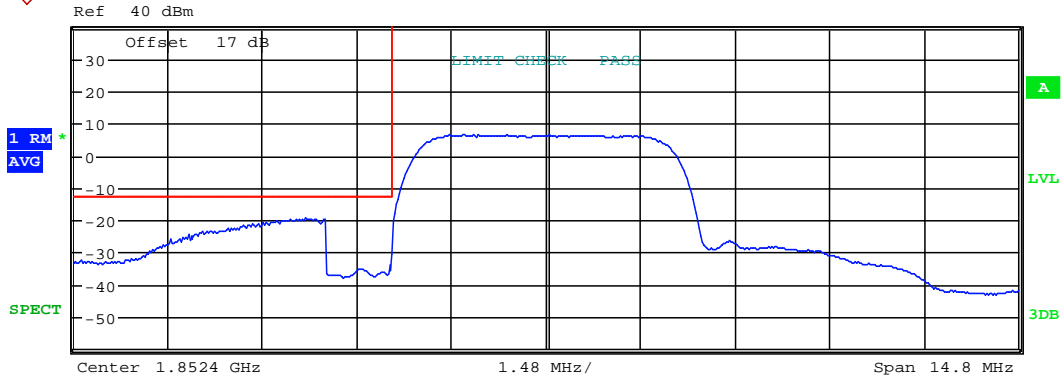
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

WCDMA

Band II



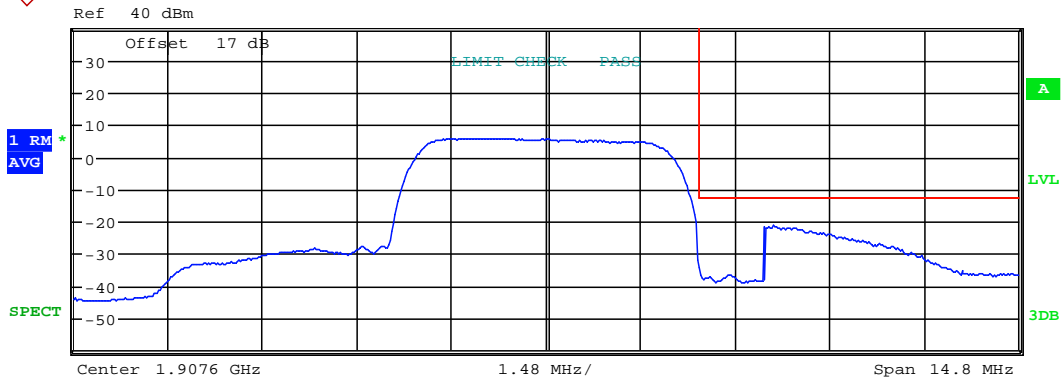
Tx Channel		Bandwidth		Power		-BW_4_8_MHz_lower UL	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]	
-7.400 M	-3.400 M	1.00 M	1.848629 G	-19.47	-40.97	-6.47	
-3.400 M	-2.400 M	20.00 k	1.849981 G	-30.84	-52.34	-17.84	
2.400 M	7.400 M	100.00 k	1.854800 G	-20.70	-42.20	-320.70	

Date: 17.APR.2019 20:55:47



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Tx Channel				-BW_4_8_MHz_higher UL		
Bandwidth		4.8 MHz	Power		20.62 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.400 M	-2.400 M	100.00 k	1.905181 G	-23.23	-43.84	-323.23
2.400 M	3.400 M	20.00 k	1.910000 G	-32.52	-53.14	-19.52
3.400 M	7.400 M	1.00 M	1.911158 G	-21.49	-42.11	-8.49

Date: 17.APR.2019 20:57:34

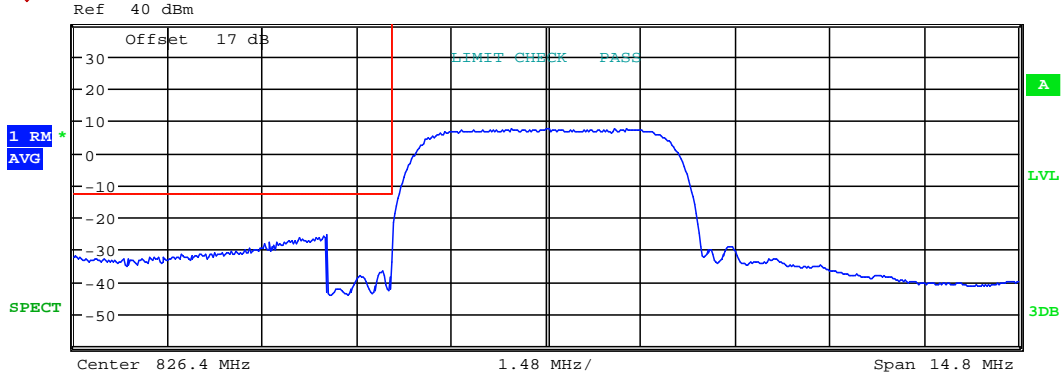


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

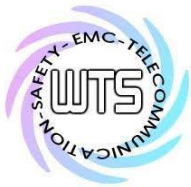
FCC ID: YY3-182010

Band V



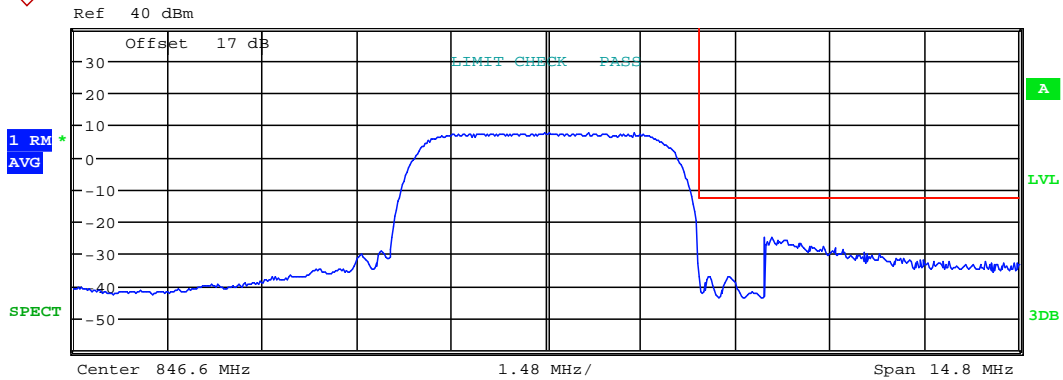
Tx Channel				-BW_4_8_MHz_lower UL		
Bandwidth		4.8 MHz		Power		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	ΔLimit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-7.400 M	-3.400 M	1.00 M	822.960897 M	-25.26	-47.46	-12.26
-3.400 M	-2.400 M	20.00 k	823.980769 M	-33.87	-56.06	-20.87
2.400 M	7.400 M	100.00 k	828.800000 M	-22.47	-44.66	-322.47

Date: 17.APR.2019 20:59:10



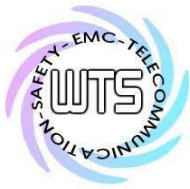
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				-BW_4_8_MHz_higher UL			
Bandwidth		4.8 MHz		Power		22.22 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit	
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]	
-7.400 M	-2.400 M	100.00 k	844.180769 M	-24.89	-47.11	-324.89	
2.400 M	3.400 M	20.00 k	849.000000 M	-33.40	-55.62	-20.40	
3.400 M	7.400 M	1.00 M	850.015385 M	-24.80	-47.03	-11.80	

Date: 17.APR.2019 20:58:24



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

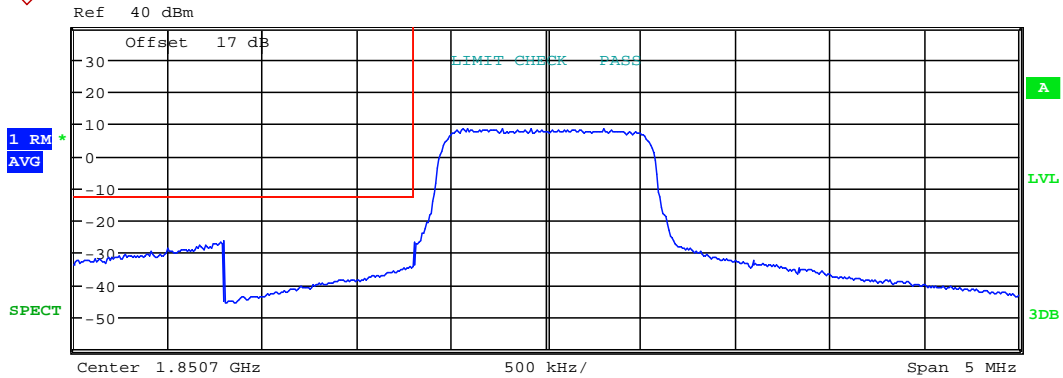
LTE

Band II

16QAM

FRB

1.4MHz



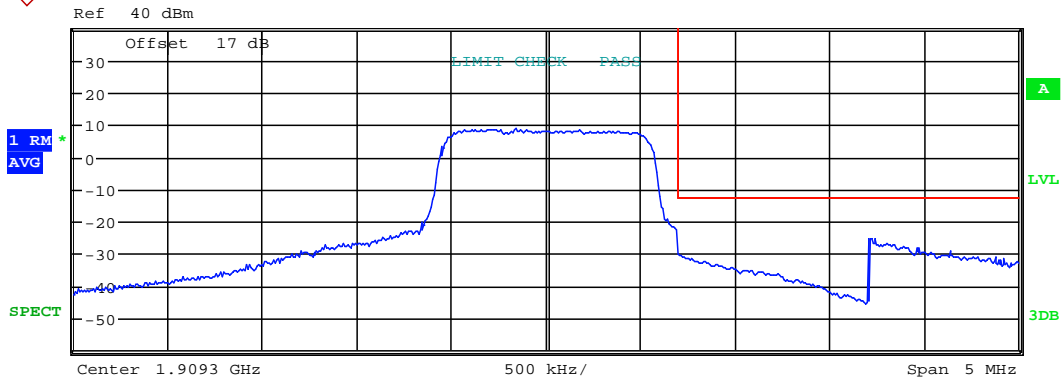
Tx Channel			BW_1_4_MHz_lower UL			
Bandwidth			Power		17.53 dBm	
Start	Stop	1.4 MHz	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-2.500 M	-1.700 M	1.00 M	1.848993 G	-26.62	-44.15	-13.62
-1.700 M	-700.000 k	20.00 k	1.849995 G	-34.30	-51.83	-21.30
700.000 k	2.500 M	100.00 k	1.851405 G	-28.17	-45.70	-328.17

Date: 17.APR.2019 21:17:43



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FCC ID: YY3-182010



Tx Channel				BW_1_4_MHz_higher UL		
Bandwidth		1.4 MHz	Power		17.72 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-2.500 M	-700.000 k	100.00 k	1.908555 G	-22.97	-40.69	-322.97
700.000 k	1.700 M	20.00 k	1.910000 G	-23.43	-41.14	-10.43
1.700 M	2.500 M	1.00 M	1.911023 G	-25.44	-43.16	-12.44

Date: 17.APR.2019 21:16:37

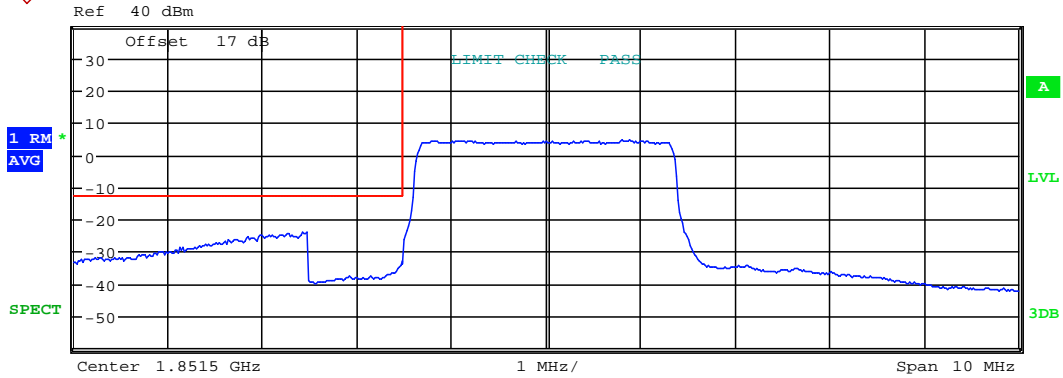


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



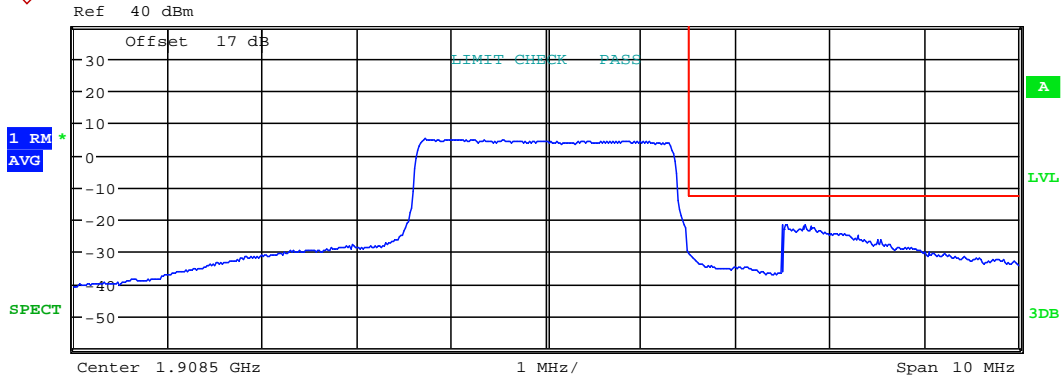
Tx Channel				BW_3_MHz_lower UL		
Bandwidth		3 MHz	Power		17.76 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-5.000 M	-2.500 M	1.00 M	1.848968 G	-24.13	-41.89	-11.13
-2.500 M	-1.500 M	30.00 k	1.849978 G	-33.00	-50.76	-20.00
1.500 M	5.000 M	100.00 k	1.853006 G	-26.04	-43.81	-326.04

Date: 17.APR.2019 21:20:59



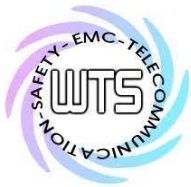
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_3_MHz_higher UL		
Bandwidth		3 MHz	Power		18.06 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-5.000 M	-1.500 M	100.00 k	1.906978 G	-24.85	-42.91	-324.85
1.500 M	2.500 M	30.00 k	1.910006 G	-30.21	-48.27	-17.21
2.500 M	5.000 M	1.00 M	1.911032 G	-21.83	-39.89	-8.83

Date: 17.APR.2019 21:27:29

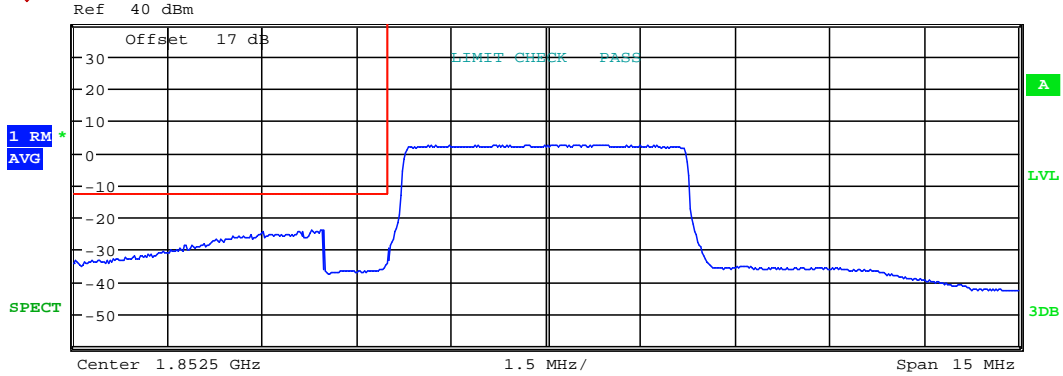


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



Tx Channel				BW_5_MHz_lower UL		
Bandwidth		5 MHz	Power		18.13 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.500 M	-3.500 M	1.00 M	1.848942 G	-23.77	-41.90	-10.77
-3.500 M	-2.500 M	50.00 k	1.849976 G	-34.05	-52.19	-21.05
2.500 M	7.500 M	100.00 k	1.855000 G	-31.53	-49.66	-331.53

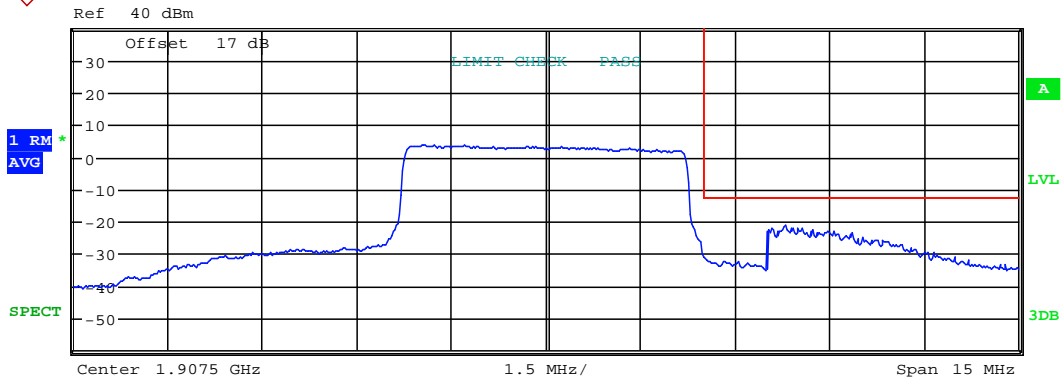
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Worldwide Testing Services(Taiwan) Co., Ltd.

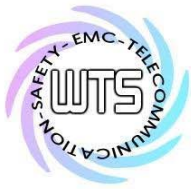
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_5_MHz_higher UL		
Bandwidth		5 MHz	Power		18.81 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.500 M	-2.500 M	100.00 k	1.904976 G	-26.28	-45.09	-326.28
2.500 M	3.500 M	50.00 k	1.910000 G	-31.00	-49.81	-18.00
3.500 M	7.500 M	1.00 M	1.911298 G	-21.35	-40.16	-8.35

Date: 18.APR.2019 19:02:57

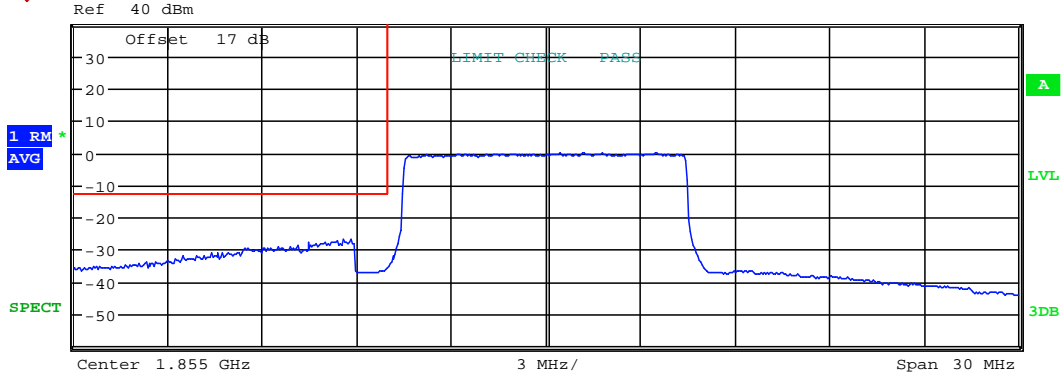


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz

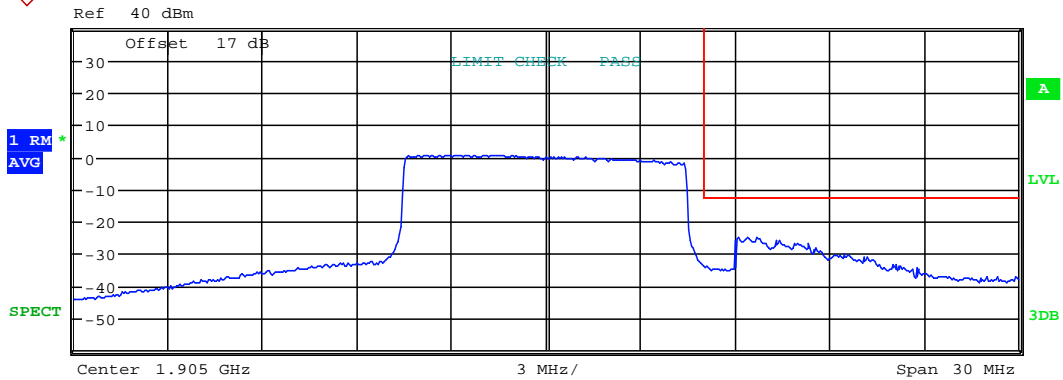


Tx Channel				BW_10_MHz_lower UL		
Bandwidth		10 MHz	Power		18.42 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-15.000 M	-6.000 M	1.00 M	1.848558 G	-26.75	-45.17	-13.75
-6.000 M	-5.000 M	100.00 k	1.849952 G	-35.75	-54.17	-22.75
5.000 M	15.000 M	100.00 k	1.860000 G	-35.24	-53.67	-335.24

Date: 18.APR.2019 19:09:10



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Tx Channel				BW_10_MHz_higher UL		
Bandwidth		10 MHz	Power		18.79 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-15.000 M	-5.000 M	100.00 k	1.899952 G	-31.49	-50.28	-331.49
5.000 M	6.000 M	100.00 k	1.910000 G	-33.93	-52.72	-20.93
6.000 M	15.000 M	1.00 M	1.911394 G	-24.89	-43.69	-11.89

Date: 18.APR.2019 19:07:14

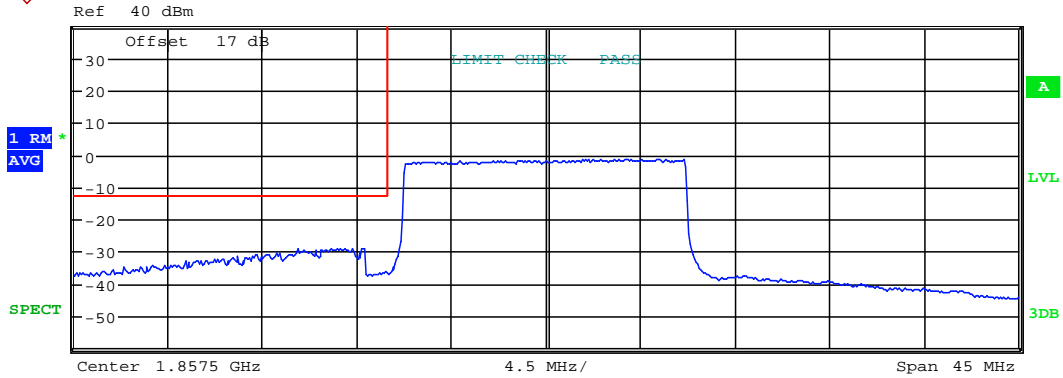


Worldwide Testing Services(Taiwan) Co., Ltd.

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FCC ID: YY3-182010

15MHz



Tx Channel				BW_15_MHz_lower UL		
Bandwidth		15 MHz	Power		18.77 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-22.500 M	-8.500 M	1.00 M	1.848774 G	-28.98	-47.76	-15.98
-8.500 M	-7.500 M	150.00 k	1.849928 G	-35.83	-54.61	-22.83
7.500 M	22.500 M	100.00 k	1.865000 G	-36.55	-55.32	-336.55

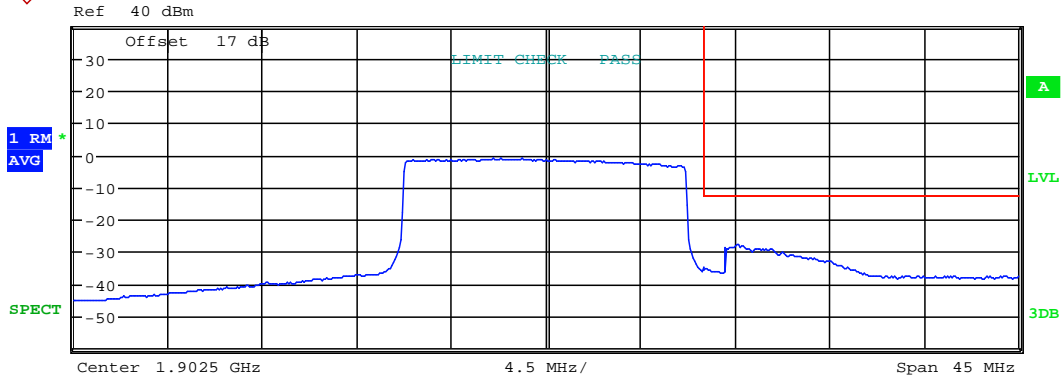
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Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_15_MHz_higher UL			
Bandwidth			Power		BW_15_MHz_higher UL		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit	
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]	
-22.500 M	-7.500 M	100.00 k	1.894928 G	-35.83	-54.73	-335.83	
7.500 M	8.500 M	150.00 k	1.910000 G	-34.89	-53.80	-21.89	
8.500 M	22.500 M	1.00 M	1.911659 G	-27.84	-46.75	-14.84	

Date: 18.APR.2019 19:18:52

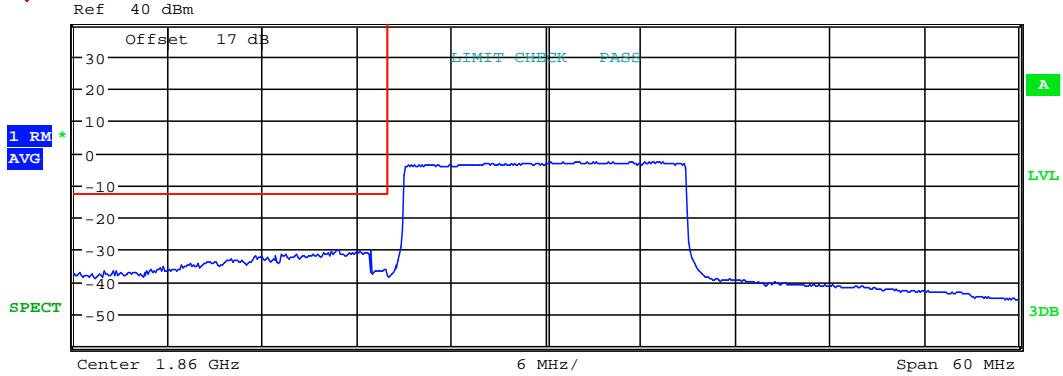


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



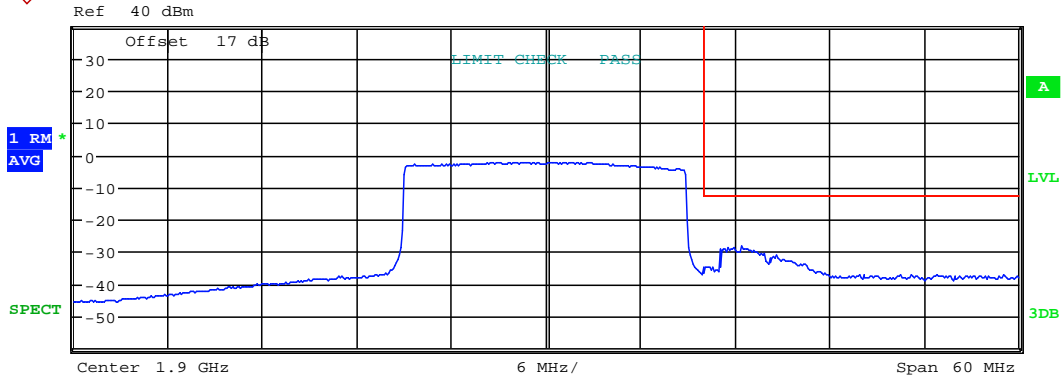
Tx Channel				BW_20_MHz_lower UL		
Bandwidth		20 MHz	Power		18.68 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-30.000 M	-11.000 M	1.00 M	1.848846 G	-30.23	-48.91	-17.23
-11.000 M	-10.000 M	200.00 k	1.849904 G	-35.92	-54.59	-22.92
10.000 M	30.000 M	100.00 k	1.870000 G	-37.97	-56.65	-337.97

Date: 18.APR.2019 19:22:08



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Tx Channel				BW_20_MHz_higher UL		
Bandwidth		20 MHz	Power		19.12 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-30.000 M	-10.000 M	100.00 k	1.889808 G	-36.90	-56.02	-336.90
10.000 M	11.000 M	200.00 k	1.910000 G	-34.76	-53.88	-21.76
11.000 M	30.000 M	1.00 M	1.912404 G	-28.35	-47.47	-15.35

Date: 18.APR.2019 19:26:21



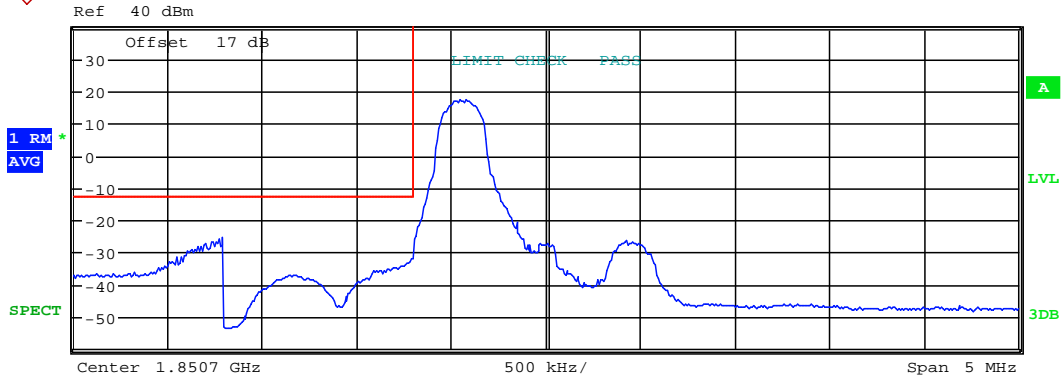
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

1RB

1.4MHz



Tx Channel				BW_1_4_MHz_lower UL		
Bandwidth		1.4 MHz	Power		18.97 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-2.500 M	-1.700 M	1.00 M	1.848985 G	-25.11	-44.08	-12.11
-1.700 M	-700.000 k	20.00 k	1.849987 G	-31.94	-50.91	-18.94
700.000 k	2.500 M	100.00 k	1.851400 G	-44.97	-63.94	-344.97

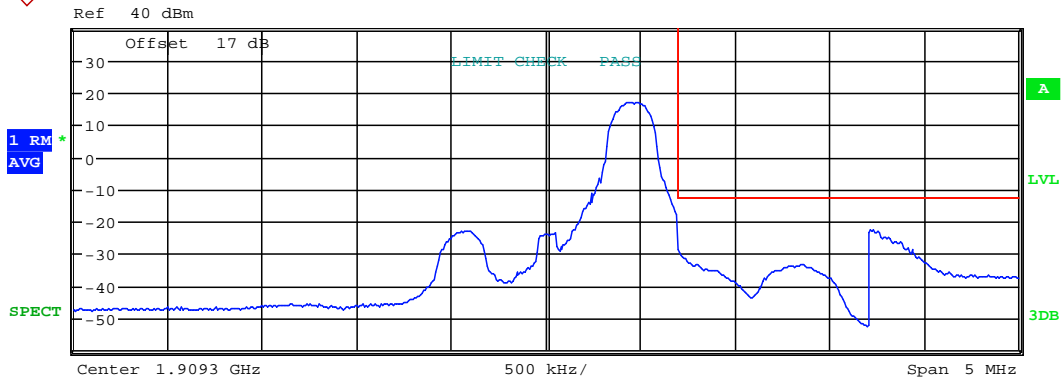
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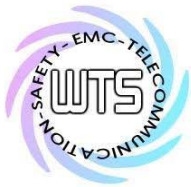
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_1_4_MHz_higher UL		
Bandwidth		1.4 MHz	Power		18.92 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-2.500 M	-700.000 k	100.00 k	1.908595 G	-44.41	-63.33	-344.41
700.000 k	1.700 M	20.00 k	1.910000 G	-18.68	-37.60	-5.68
1.700 M	2.500 M	1.00 M	1.911015 G	-22.60	-41.52	-9.60

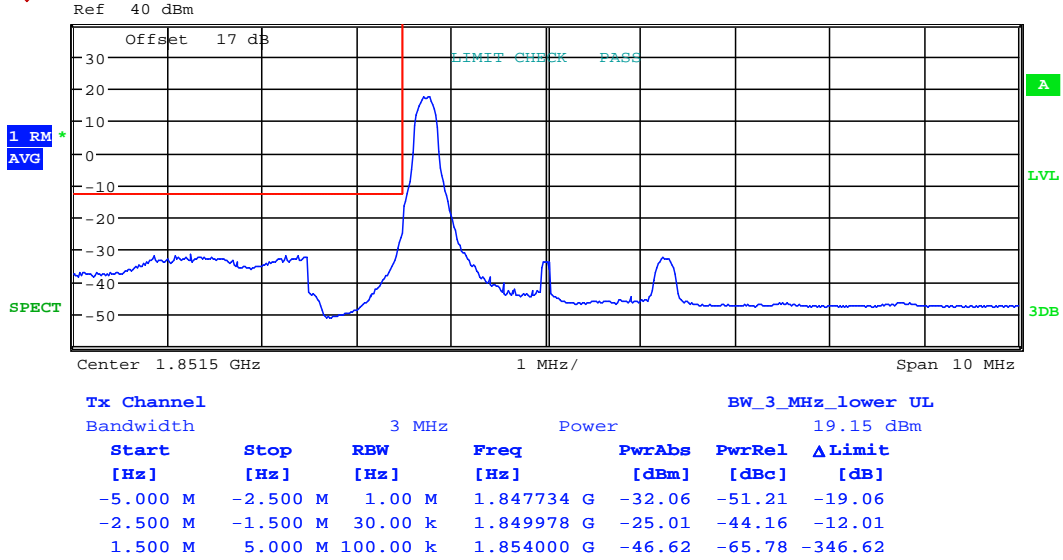
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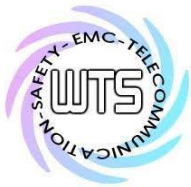
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz

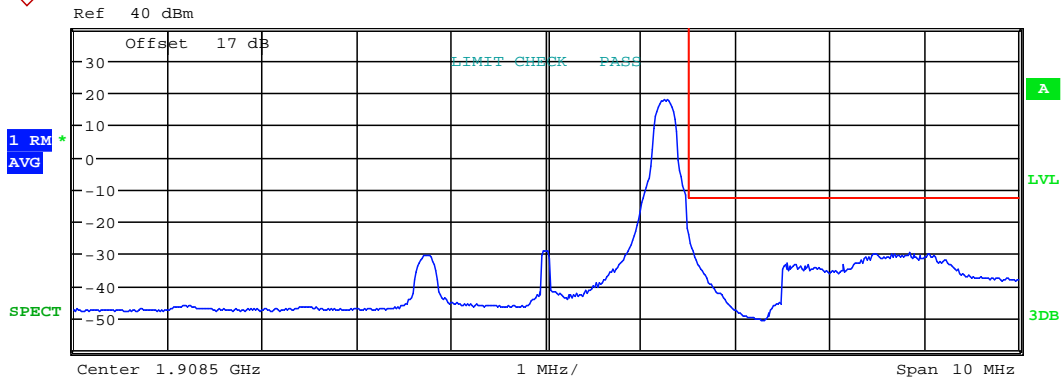


Date: 17.APR.2019 21:21:33



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				Power			BW_3_MHz_higher UL
Bandwidth		3 MHz					19.67 dBm
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]	
-5.000 M	-1.500 M	100.00 k	1.904686 G	-46.00	-65.66	-346.00	
1.500 M	2.500 M	30.00 k	1.910006 G	-22.53	-42.20	-9.53	
2.500 M	5.000 M	1.00 M	1.912346 G	-29.82	-49.49	-16.82	

Date: 17.APR.2019 21:28:30

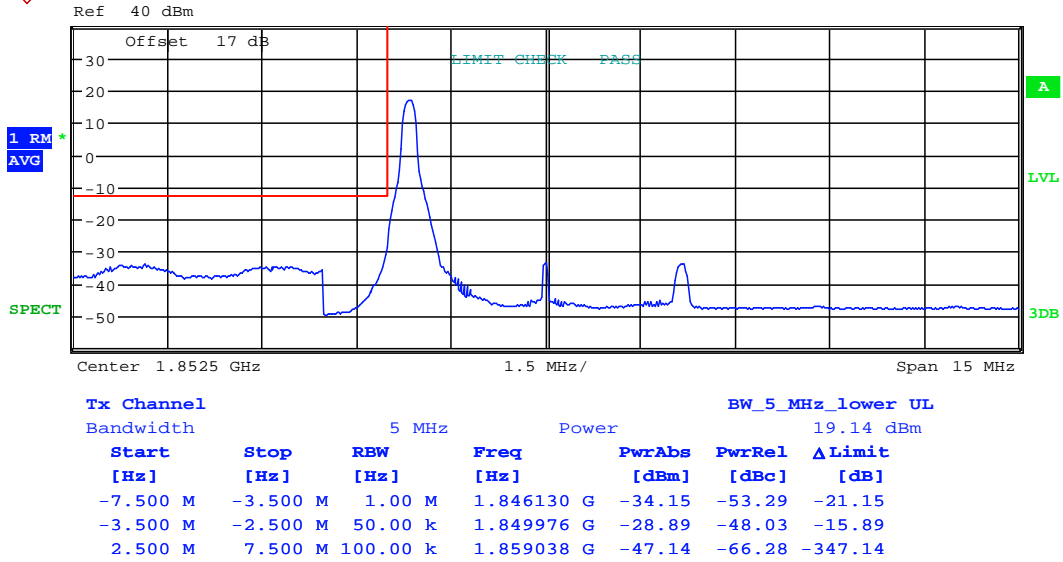


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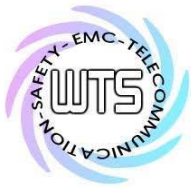
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz

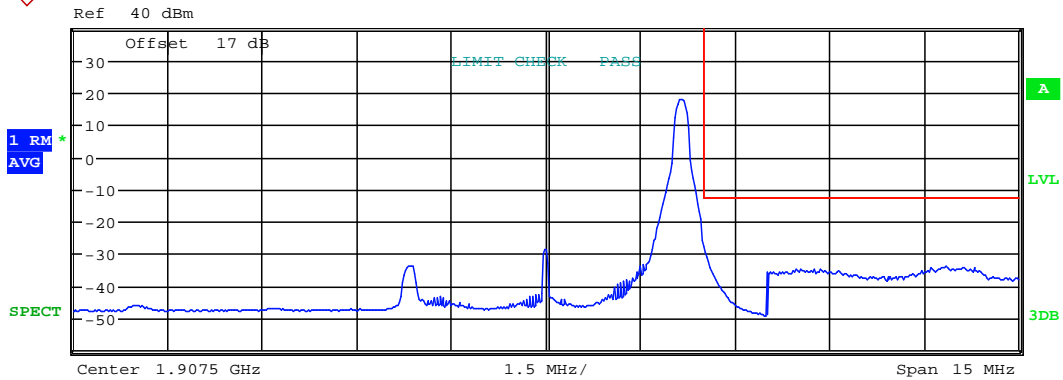


Date: 18.APR.2019 19:00:36



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_5_MHz_higher UL		
Bandwidth		5 MHz	Power		19.87 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.500 M	-2.500 M	100.00 k	1.901010 G	-45.98	-65.85	-345.98
2.500 M	3.500 M	50.00 k	1.910000 G	-26.48	-46.35	-13.48
3.500 M	7.500 M	1.00 M	1.913846 G	-34.13	-54.00	-21.13

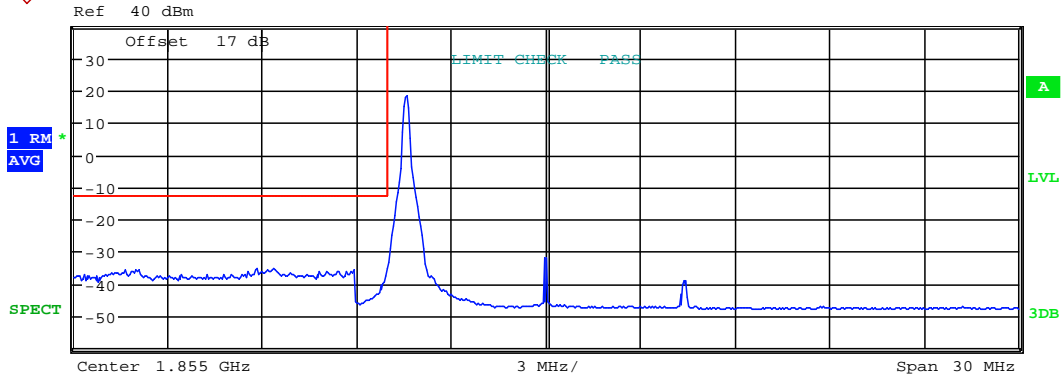
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Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz

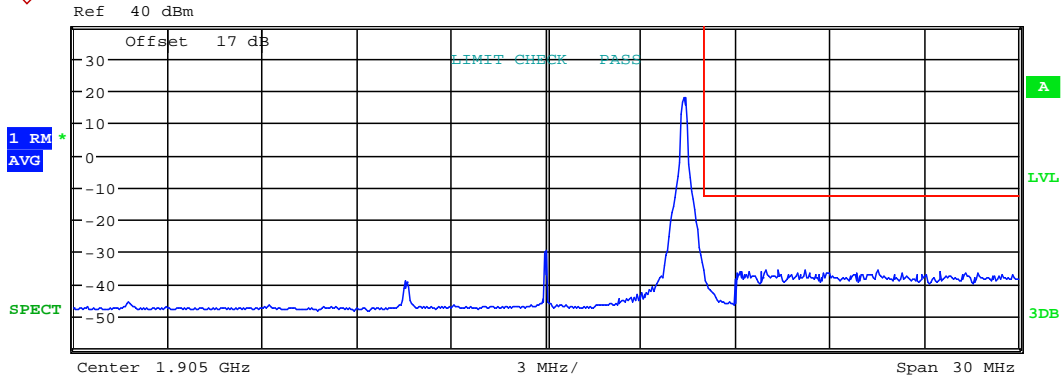


Tx Channel				BW_10_MHz_lower UL		
Bandwidth		10 MHz	Power		20.44 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-15.000 M	-6.000 M	1.00 M	1.846346 G	-35.42	-55.85	-22.42
-6.000 M	-5.000 M	100.00 k	1.849952 G	-35.25	-55.68	-22.25
5.000 M	15.000 M	100.00 k	1.863798 G	-47.05	-67.48	-347.05

Date: 18.APR.2019 19:09:36



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Tx Channel				Power			BW_10_MHz_higher UL
Bandwidth		10 MHz					19.95 dBm
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]	
-15.000 M	-5.000 M	100.00 k	1.891731 G	-45.79	-65.74	-345.79	
5.000 M	6.000 M	100.00 k	1.910000 G	-33.98	-53.93	-20.98	
6.000 M	15.000 M	1.00 M	1.913221 G	-35.84	-55.80	-22.84	

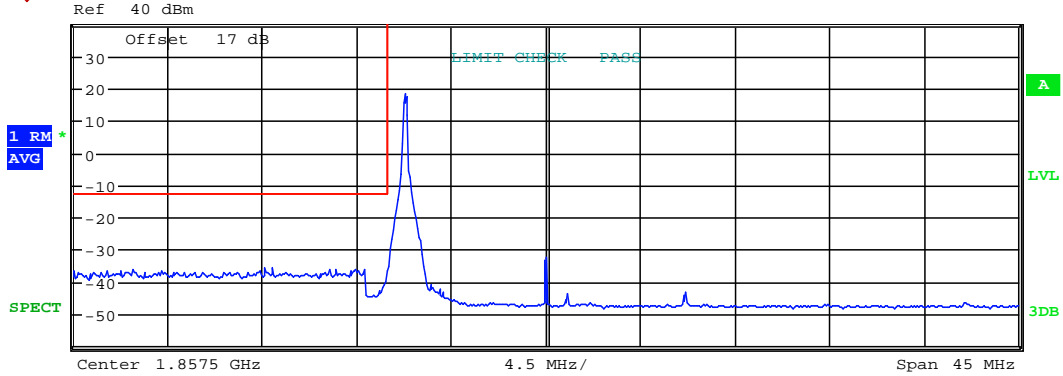
Date: 18.APR.2019 19:06:49



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



Tx Channel				BW_15_MHz_lower UL		
Bandwidth		15 MHz	Power		20.55 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-22.500 M	-8.500 M	1.00 M	1.844447 G	-35.88	-56.43	-22.88
-8.500 M	-7.500 M	150.00 k	1.849928 G	-36.87	-57.41	-23.87
7.500 M	22.500 M	100.00 k	1.877476 G	-46.64	-67.19	-346.64

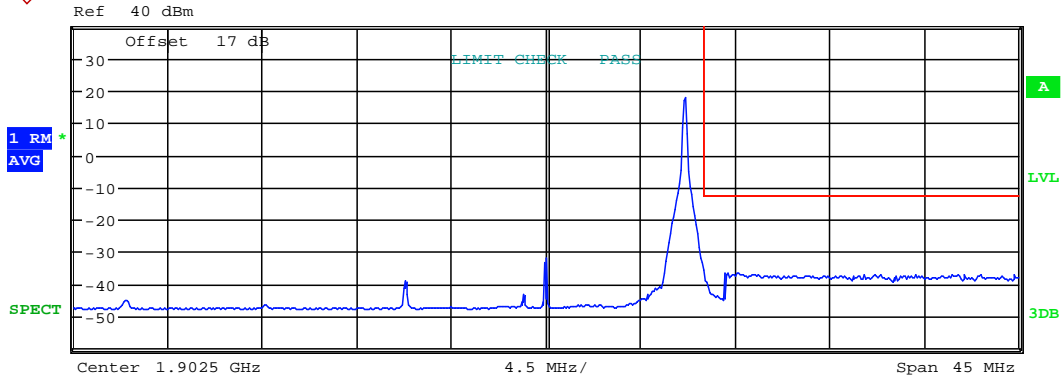
Date: 18.APR.2019 19:13:19



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_15_MHz_higher UL		
Bandwidth		15 MHz		Power		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-22.500 M	-7.500 M	100.00 k	1.882524 G	-45.07	-65.23	-345.07
7.500 M	8.500 M	150.00 k	1.910000 G	-34.01	-54.18	-21.01
8.500 M	22.500 M	1.00 M	1.911659 G	-36.79	-56.95	-23.79

Date: 18.APR.2019 19:21:07

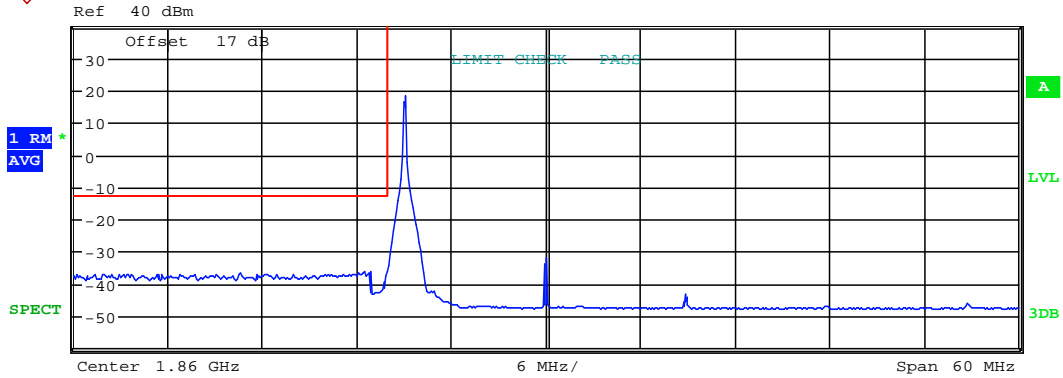


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



Tx Channel				BW_20_MHz_lower UL		
Bandwidth		20 MHz	Power		20.92 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-30.000 M	-11.000 M	1.00 M	1.848846 G	-36.01	-56.93	-23.01
-11.000 M	-10.000 M	200.00 k	1.849904 G	-36.38	-57.31	-23.38
10.000 M	30.000 M	100.00 k	1.886827 G	-45.89	-66.81	-345.89

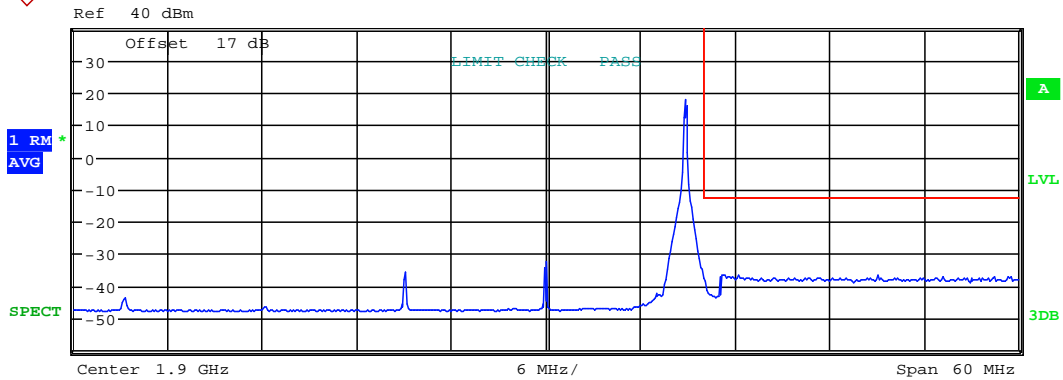
Date: 18.APR.2019 19:23:41



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_20_MHz_higher UL		
Bandwidth		20 MHz	Power		20.26 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-30.000 M	-10.000 M	100.00 k	1.873269 G	-43.99	-64.25	-343.99
10.000 M	11.000 M	200.00 k	1.910000 G	-35.40	-55.66	-22.40
11.000 M	30.000 M	1.00 M	1.911154 G	-36.74	-57.00	-23.74

Date: 18.APR.2019 19:24:51



Worldwide Testing Services(Taiwan) Co., Ltd.

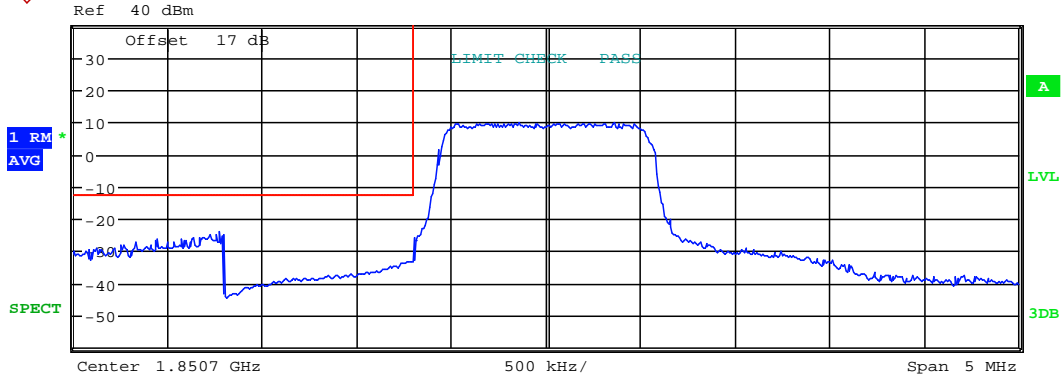
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

FRB

1.4MHz



Tx Channel				BW_1_4_MHz_lower UL		
Bandwidth		1.4 MHz		Power		18.80 dBm
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-2.500 M	-1.700 M	1.00 M	1.848969 G	-24.15	-42.94	-11.15
-1.700 M	-700.000 k	20.00 k	1.849979 G	-33.27	-52.07	-20.27
700.000 k	2.500 M	100.00 k	1.851413 G	-25.54	-44.34	-325.54

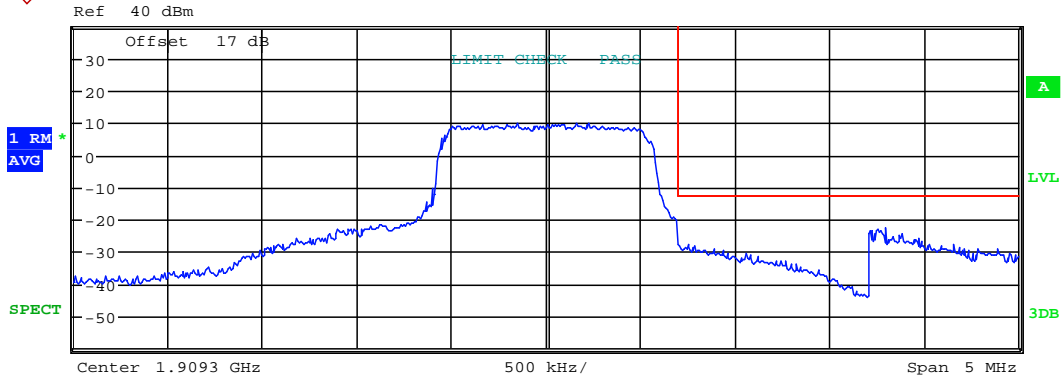
Date: 17.APR.2019 21:18:14



Worldwide Testing Services(Taiwan) Co., Ltd.

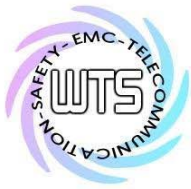
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_1_4_MHz_higher UL		
Bandwidth		1.4 MHz	Power		18.51 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-2.500 M	-700.000 k	100.00 k	1.908587 G	-21.35	-39.86	-321.35
700.000 k	1.700 M	20.00 k	1.910000 G	-19.90	-38.42	-6.90
1.700 M	2.500 M	1.00 M	1.911095 G	-22.71	-41.22	-9.71

Date: 17.APR.2019 21:16:06

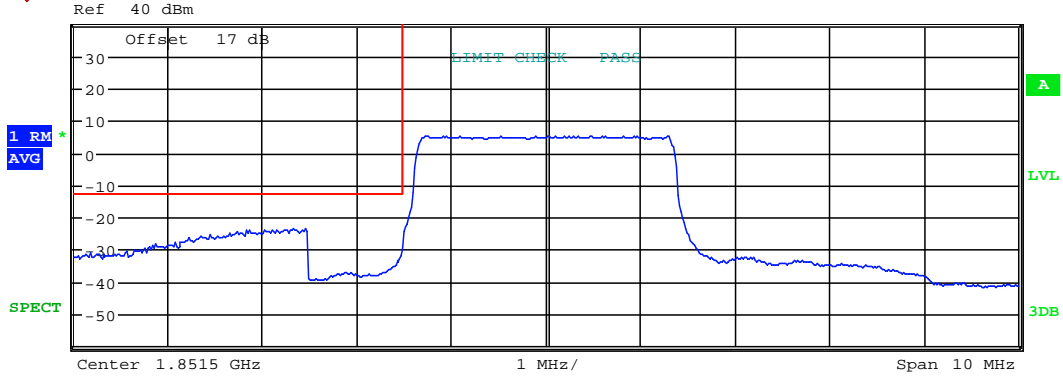


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



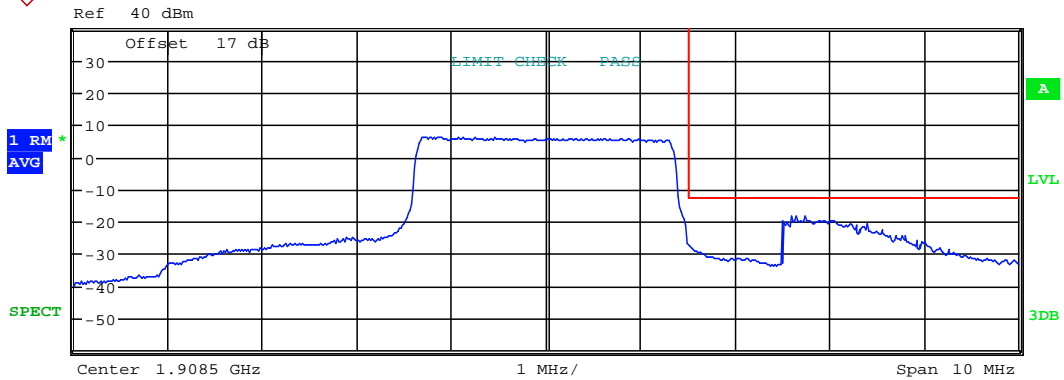
Tx Channel				BW_3_MHz_lower UL		
Bandwidth		3 MHz	Power		18.63 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-5.000 M	-2.500 M	1.00 M	1.848359 G	-23.93	-42.56	-10.93
-2.500 M	-1.500 M	30.00 k	1.849978 G	-30.44	-49.07	-17.44
1.500 M	5.000 M	100.00 k	1.853006 G	-25.46	-44.09	-325.46

Date: 17.APR.2019 21:20:22



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Tx Channel				BW_3_MHz_higher UL		
Bandwidth		3 MHz	Power		19.34 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-5.000 M	-1.500 M	100.00 k	1.906978 G	-21.27	-40.60	-321.27
1.500 M	2.500 M	30.00 k	1.910006 G	-27.44	-46.77	-14.44
2.500 M	5.000 M	1.00 M	1.911240 G	-18.24	-37.57	-5.24

Date: 17.APR.2019 21:27:54

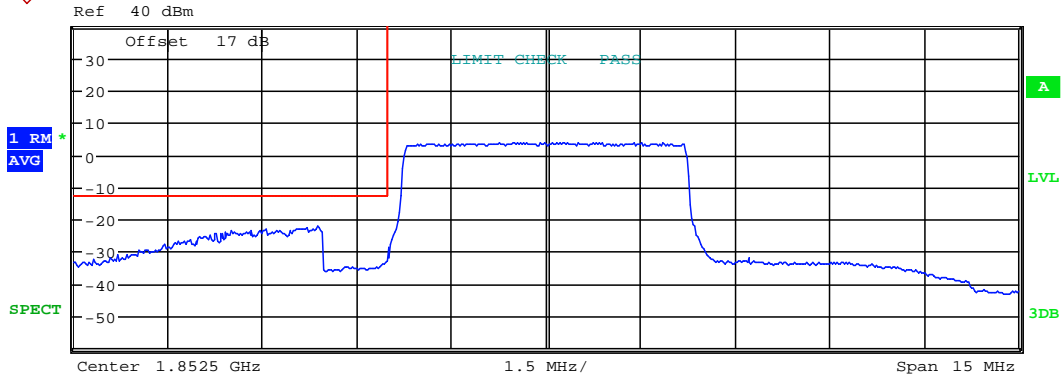


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz

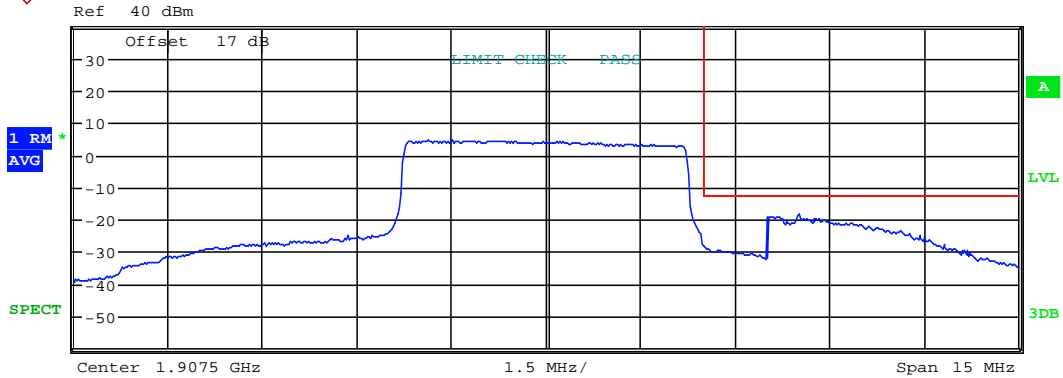


Tx Channel				BW_5_MHz_lower UL		
Bandwidth		5 MHz	Power		19.34 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-7.500 M	-3.500 M	1.00 M	1.848870 G	-22.11	-41.45	-9.11
-3.500 M	-2.500 M	50.00 k	1.849976 G	-32.57	-51.91	-19.57
2.500 M	7.500 M	100.00 k	1.855000 G	-29.27	-48.61	-329.27

Date: 18.APR.2019 19:01:30



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Tx Channel				BW_5_MHz_higher UL		
Bandwidth		5 MHz	Power		19.79 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.500 M	-2.500 M	100.00 k	1.904976 G	-24.48	-44.27	-324.48
2.500 M	3.500 M	50.00 k	1.910000 G	-28.52	-48.32	-15.52
3.500 M	7.500 M	1.00 M	1.911514 G	-18.59	-38.39	-5.59

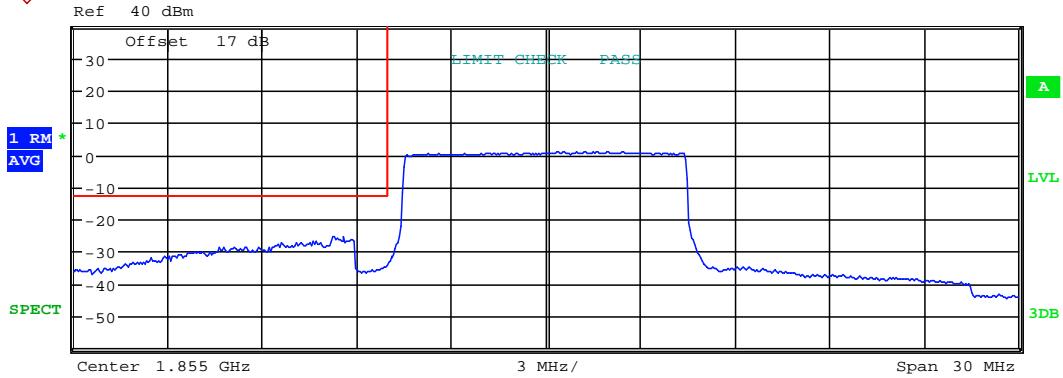
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Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



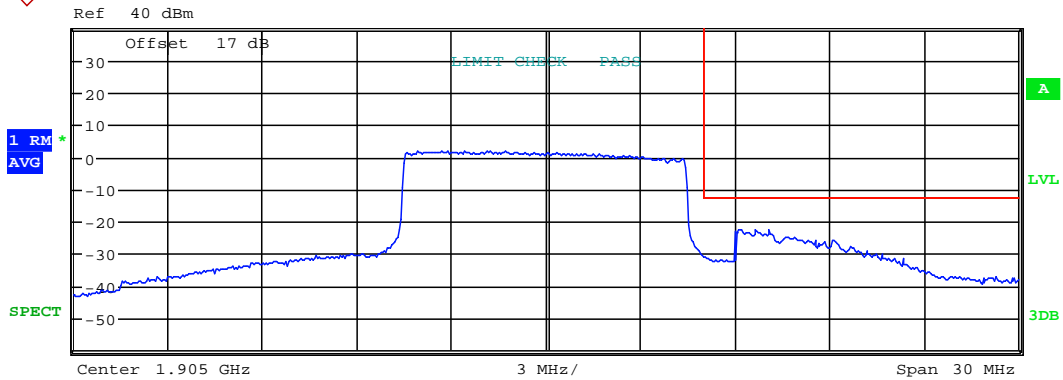
Tx Channel				BW_10_MHz_lower UL		
Bandwidth		10 MHz		Power		19.44 dBm
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-15.000 M	-6.000 M	1.00 M	1.848221 G	-25.33	-44.77	-12.33
-6.000 M	-5.000 M	100.00 k	1.849952 G	-34.01	-53.46	-21.01
5.000 M	15.000 M	100.00 k	1.860000 G	-33.44	-52.89	-333.44

Date: 18.APR.2019 19:08:44



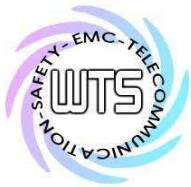
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_10_MHz_higher UL		
Bandwidth		10 MHz	Power		19.85 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-15.000 M	-5.000 M	100.00 k	1.899952 G	-28.40	-48.25	-328.40
5.000 M	6.000 M	100.00 k	1.910048 G	-30.72	-50.57	-17.72
6.000 M	15.000 M	1.00 M	1.911202 G	-22.57	-42.42	-9.57

Date: 18.APR.2019 19:07:38

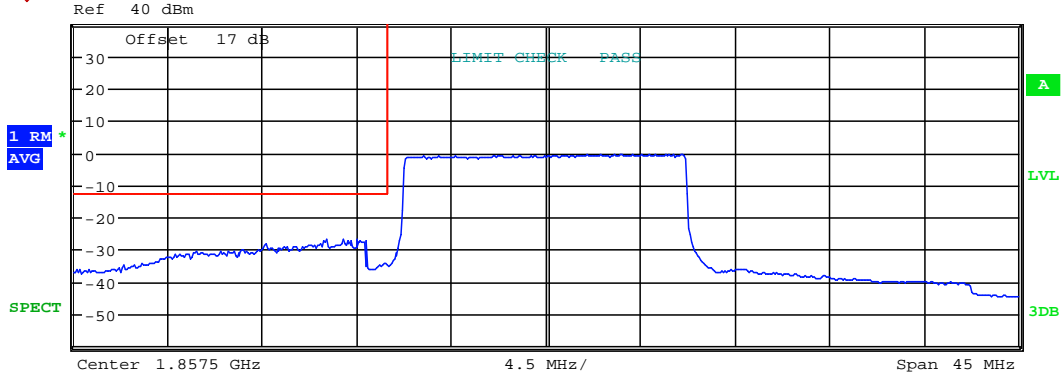


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

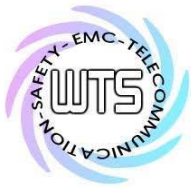
FCC ID: YY3-182010

15MHz



Tx Channel				BW_15_MHz_lower UL		
Bandwidth	15 MHz		Power	19.77 dBm		
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-22.500 M	-8.500 M	1.00 M	1.847043 G	-26.72	-46.49	-13.72
-8.500 M	-7.500 M	150.00 k	1.849928 G	-34.08	-53.85	-21.08
7.500 M	22.500 M	100.00 k	1.865000 G	-34.23	-54.00	-334.23

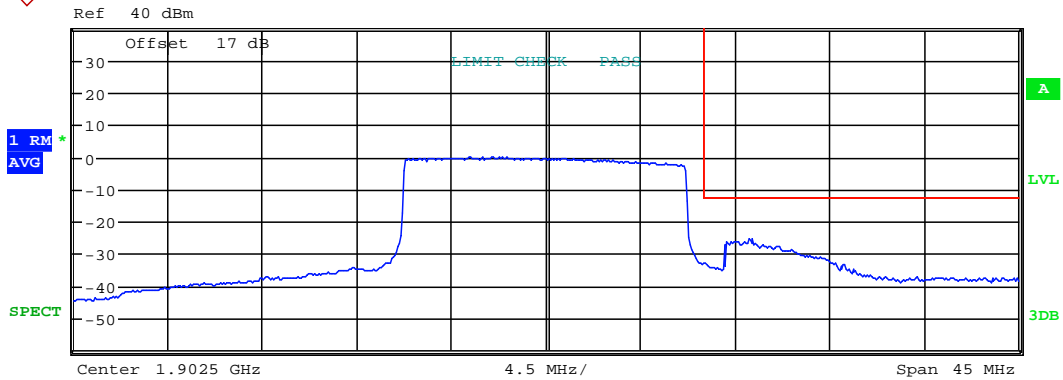
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Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_15_MHz_higher UL			
Bandwidth			Power		Power		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit	
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]	
-22.500 M	-7.500 M	100.00 k	1.894928 G	-32.77	-52.69	-332.77	
7.500 M	8.500 M	150.00 k	1.910000 G	-32.72	-52.64	-19.72	
8.500 M	22.500 M	1.00 M	1.912163 G	-25.26	-45.19	-12.26	

Date: 18.APR.2019 19:19:18

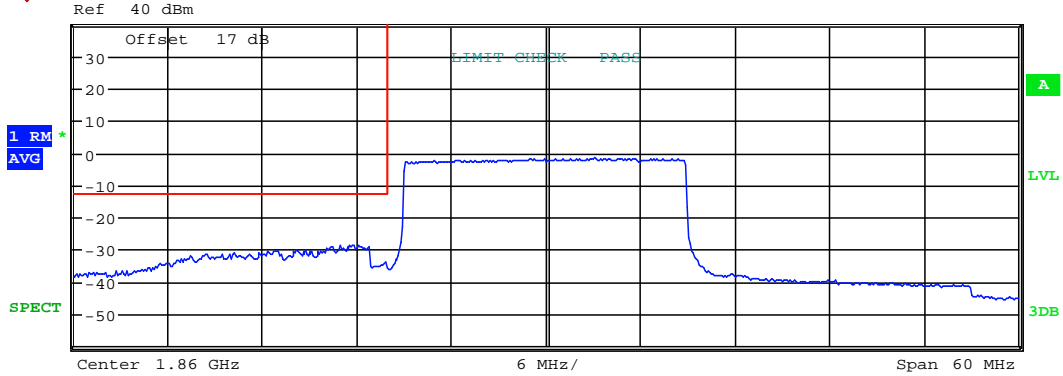


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



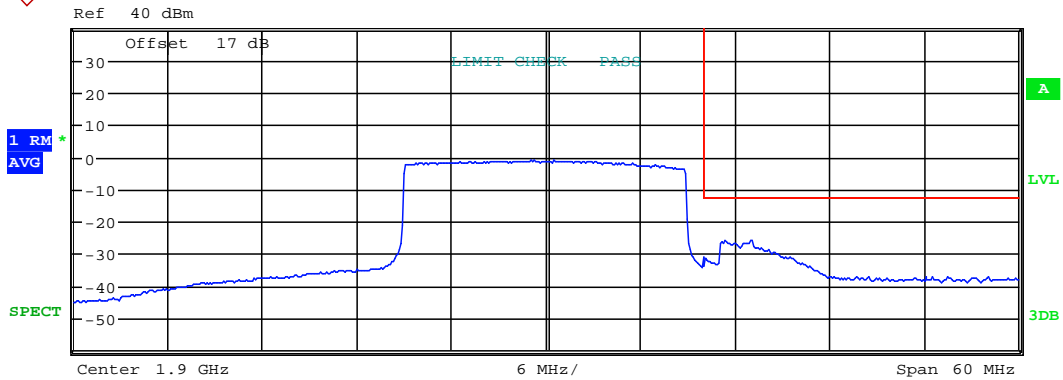
Tx Channel				BW_20_MHz_lower UL		
Bandwidth		20 MHz	Power		19.77 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-30.000 M	-11.000 M	1.00 M	1.847692 G	-28.73	-48.50	-15.73
-11.000 M	-10.000 M	200.00 k	1.849904 G	-33.64	-53.41	-20.64
10.000 M	30.000 M	100.00 k	1.870000 G	-35.96	-55.73	-335.96

Date: 18.APR.2019 19:22:34



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_20_MHz_higher UL		
Bandwidth		20 MHz	Power		20.19 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-30.000 M	-10.000 M	100.00 k	1.889904 G	-33.85	-54.04	-333.85
10.000 M	11.000 M	200.00 k	1.910000 G	-31.13	-51.31	-18.13
11.000 M	30.000 M	1.00 M	1.913077 G	-26.05	-46.24	-13.05

Date: 18.APR.2019 19:25:53



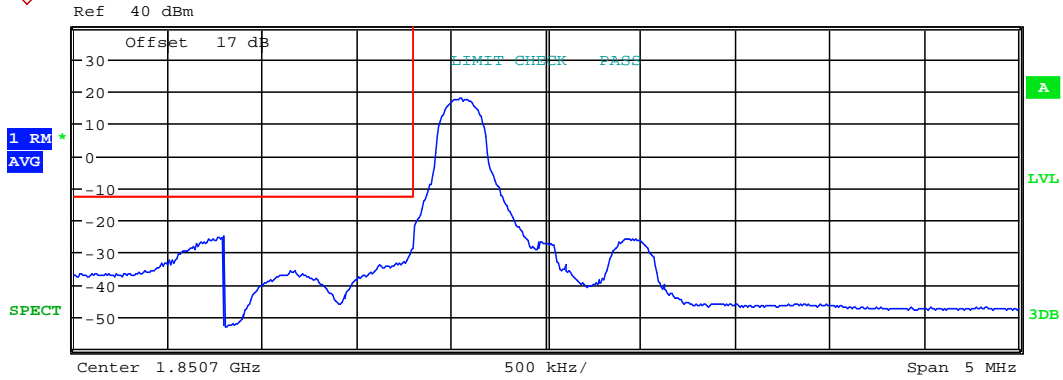
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

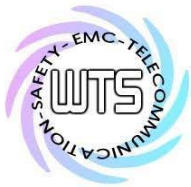
1RB

1.4MHz



Tx Channel				BW_1_4_MHz_lower UL		
Bandwidth		1.4 MHz		Power		19.39 dBm
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-2.500 M	-1.700 M	1.00 M	1.848993 G	-25.17	-44.56	-12.17
-1.700 M	-700.000 k	20.00 k	1.849995 G	-28.55	-47.94	-15.55
700.000 k	2.500 M	100.00 k	1.851400 G	-44.20	-63.59	-344.20

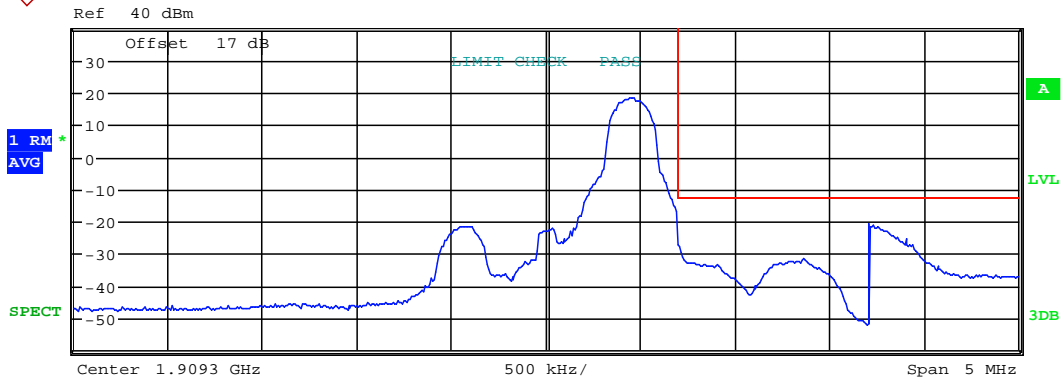
Date: 17.APR.2019 21:09:18



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_1_4_MHz_higher UL		
Bandwidth		1.4 MHz	Power		19.92 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-2.500 M	-700.000 k	100.00 k	1.908595 G	-43.18	-63.10	-343.18
700.000 k	1.700 M	20.00 k	1.910000 G	-17.41	-37.33	-4.41
1.700 M	2.500 M	1.00 M	1.911007 G	-21.00	-40.92	-8.00

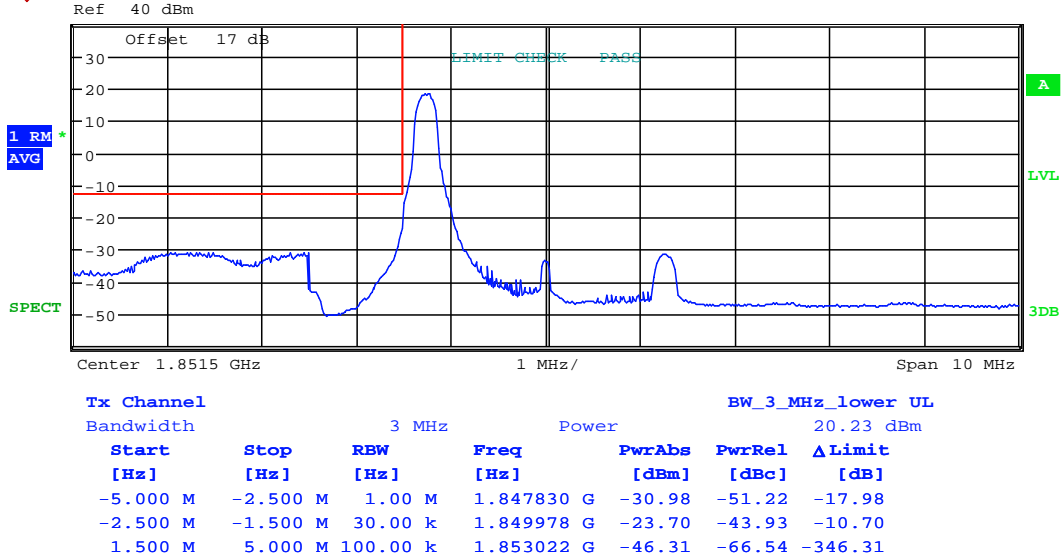
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Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz

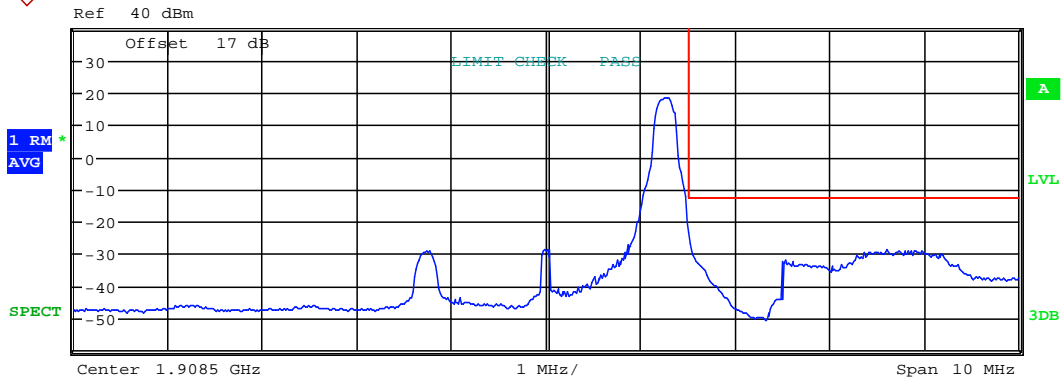


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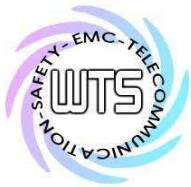
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_3_MHz_higher UL		
Bandwidth		3 MHz	Power		20.39 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-5.000 M	-1.500 M	100.00 k	1.906978 G	-45.52	-65.91	-345.52
1.500 M	2.500 M	30.00 k	1.910006 G	-20.70	-41.10	-7.70
2.500 M	5.000 M	1.00 M	1.912106 G	-28.98	-49.37	-15.98

Date: 17.APR.2019 21:29:04

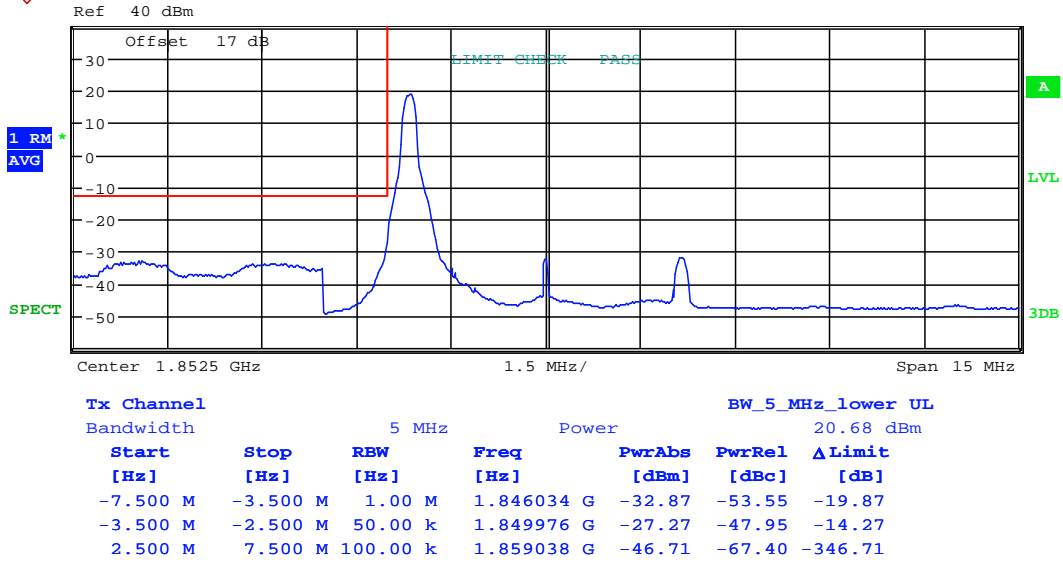


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



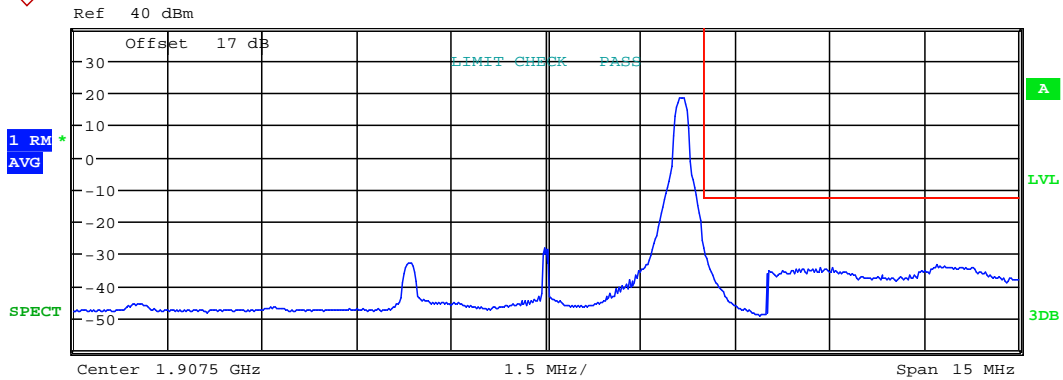
Date: 18.APR.2019 18:59:49



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_5_MHz_higher UL		
Bandwidth		5 MHz	Power		20.47 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.500 M	-2.500 M	100.00 k	1.901058 G	-45.54	-66.01	-345.54
2.500 M	3.500 M	50.00 k	1.910000 G	-26.63	-47.10	-13.63
3.500 M	7.500 M	1.00 M	1.913702 G	-33.43	-53.90	-20.43

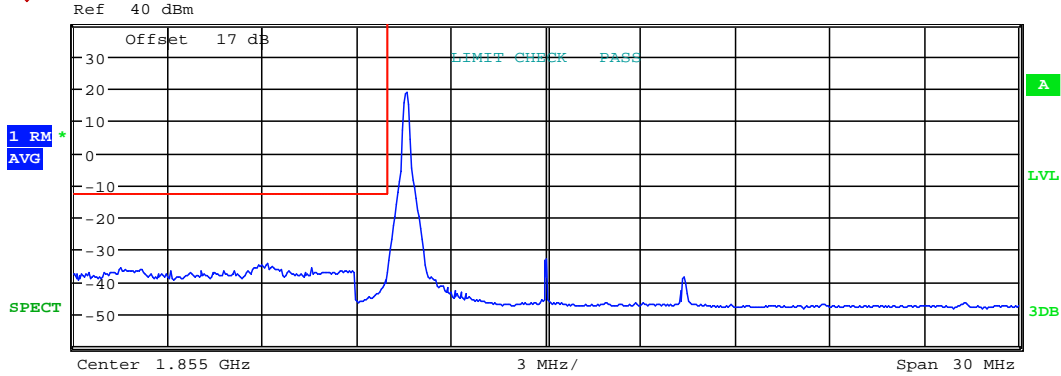
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Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz



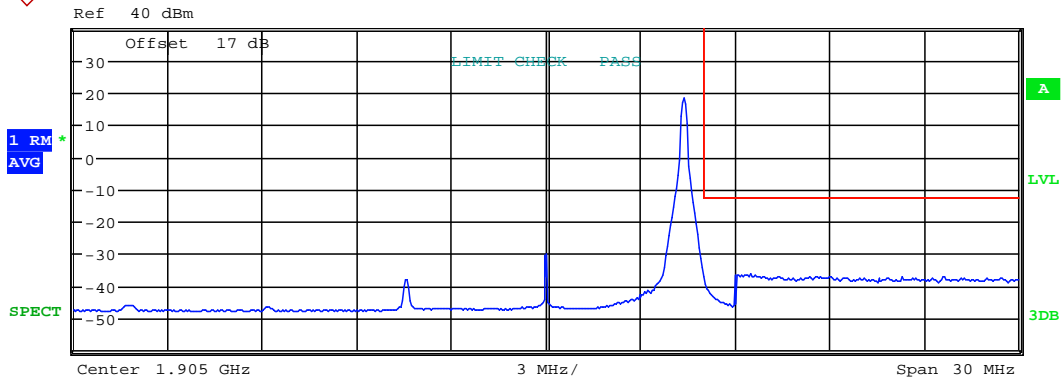
Tx Channel				BW_10_MHz_lower UL		
Bandwidth		10 MHz	Power		20.96 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-15.000 M	-6.000 M	1.00 M	1.846154 G	-34.55	-55.51	-21.55
-6.000 M	-5.000 M	100.00 k	1.849952 G	-37.24	-58.20	-24.24
5.000 M	15.000 M	100.00 k	1.868317 G	-46.77	-67.74	-346.77

Date: 18.APR.2019 19:10:03



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_10_MHz_higher UL		
Bandwidth		10 MHz	Power		20.29 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-15.000 M	-5.000 M	100.00 k	1.891779 G	-45.99	-66.28	-345.99
5.000 M	6.000 M	100.00 k	1.910000 G	-34.70	-54.99	-21.70
6.000 M	15.000 M	1.00 M	1.911490 G	-36.08	-56.36	-23.08

Date: 18.APR.2019 19:06:17

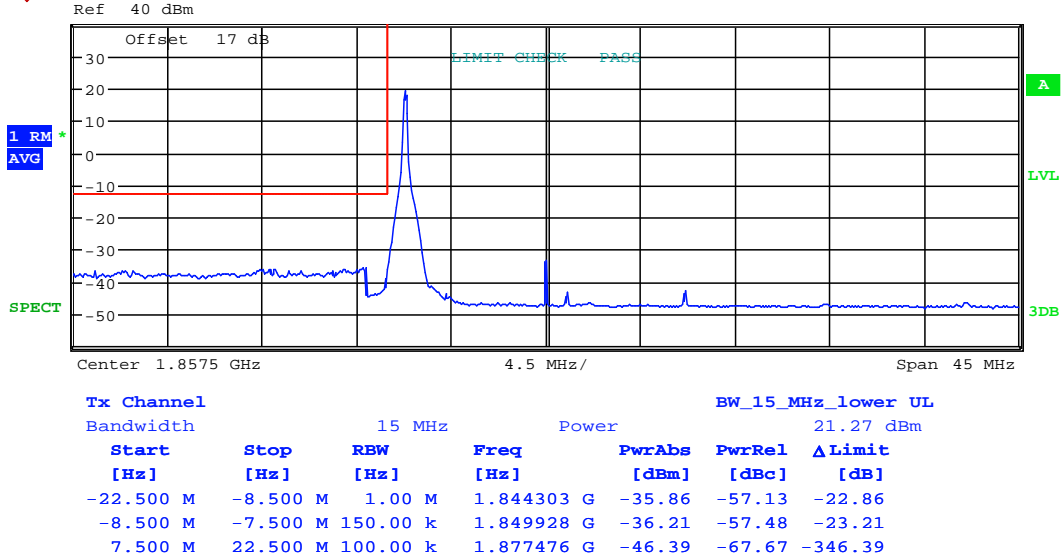


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



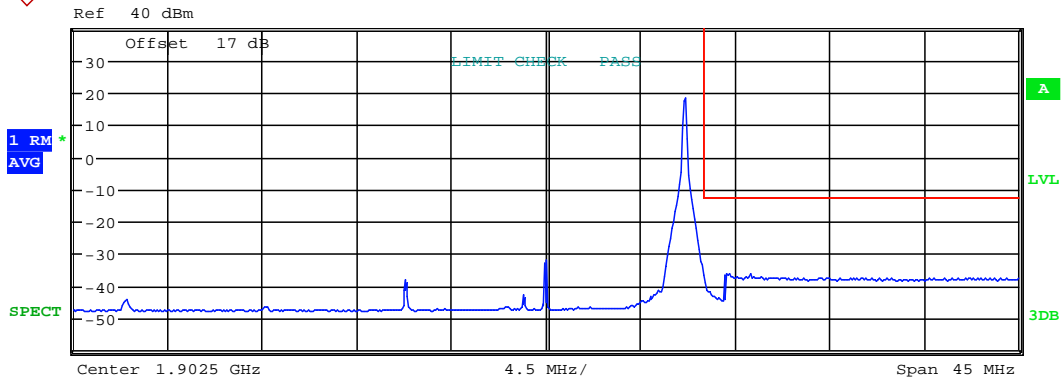
Date: 18.APR.2019 19:11:49



Worldwide Testing Services(Taiwan) Co., Ltd.

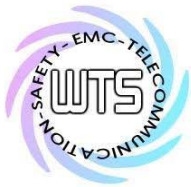
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_15_MHz_higher UL		
Bandwidth		15 MHz		Power		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-22.500 M	-7.500 M	100.00 k	1.882524 G	-44.46	-65.01	-344.46
7.500 M	8.500 M	150.00 k	1.910000 G	-34.16	-54.71	-21.16
8.500 M	22.500 M	1.00 M	1.912236 G	-36.30	-56.86	-23.30

Date: 18.APR.2019 19:20:06

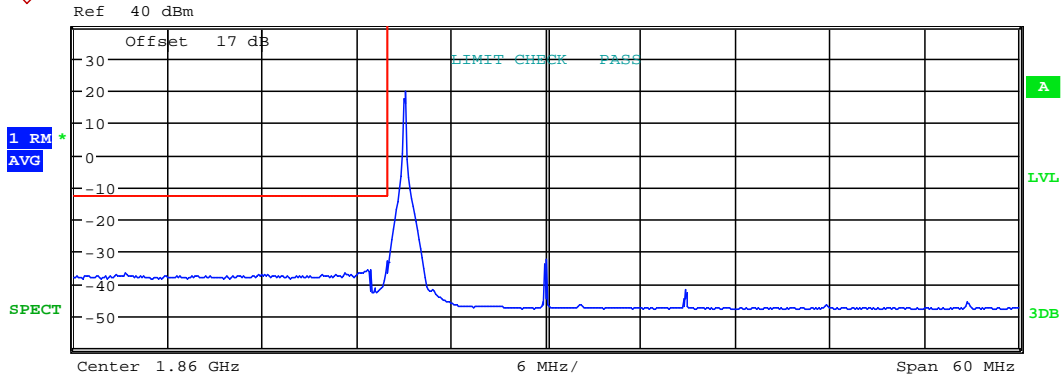


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



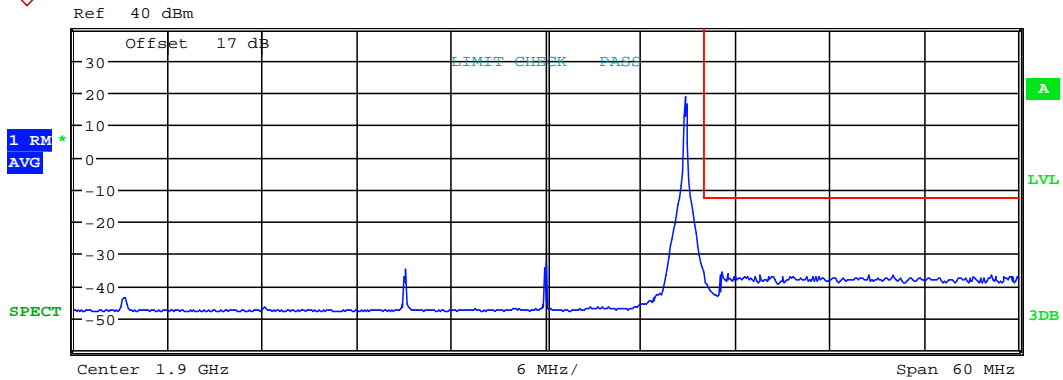
Tx Channel				BW_20_MHz_lower UL		
Bandwidth		20 MHz	Power		22.05 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-30.000 M	-11.000 M	1.00 M	1.848846 G	-36.02	-58.07	-23.02
-11.000 M	-10.000 M	200.00 k	1.849904 G	-33.37	-55.42	-20.37
10.000 M	30.000 M	100.00 k	1.886731 G	-45.71	-67.76	-345.71

Date: 18.APR.2019 19:23:09



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_20_MHz_higher UL		
Bandwidth		20 MHz	Power		20.87 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-30.000 M	-10.000 M	100.00 k	1.873269 G	-43.67	-64.54	-343.67
10.000 M	11.000 M	200.00 k	1.910000 G	-35.09	-55.96	-22.09
11.000 M	30.000 M	1.00 M	1.911154 G	-35.80	-56.67	-22.80

Date: 18.APR.2019 19:25:24



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

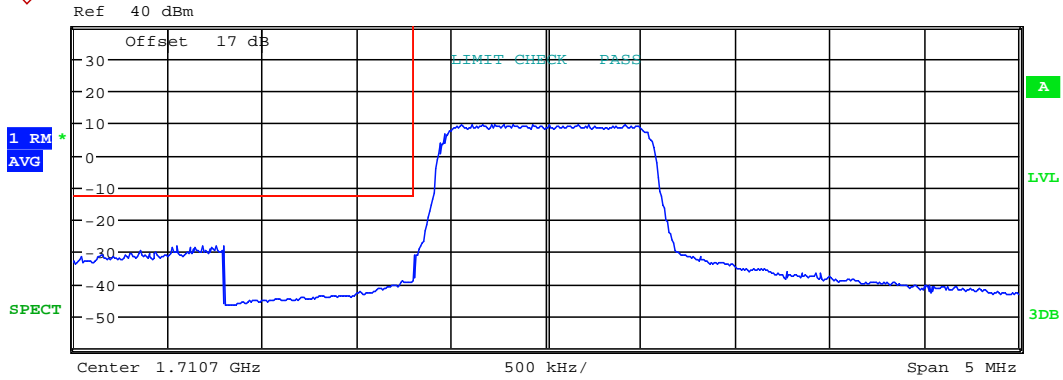
FCC ID: YY3-182010

Band IV

16QAM

FRB

1.4MHz

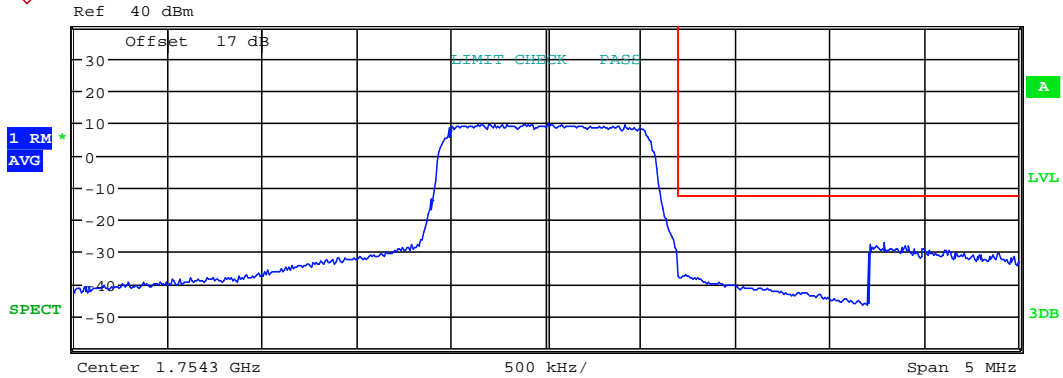


Tx Channel				BW_1_4_MHz_lower UL		
Bandwidth		1.4 MHz	Power		18.65 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-2.500 M	-1.700 M	1.00 M	1.708993 G	-28.05	-46.69	-15.05
-1.700 M	-700.000 k	20.00 k	1.709995 G	-38.71	-57.35	-25.71
700.000 k	2.500 M	100.00 k	1.711400 G	-30.08	-48.73	-330.08

Date: 18.APR.2019 19:33:05



Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Tx Channel				BW_1_4_MHz_higher UL		
Bandwidth		1.4 MHz	Power		18.71 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-2.500 M	-700.000 k	100.00 k	1.753587 G	-27.67	-46.38	-327.67
700.000 k	1.700 M	20.00 k	1.755000 G	-30.09	-48.80	-17.09
1.700 M	2.500 M	1.00 M	1.756087 G	-27.34	-46.05	-14.34

Date: 18.APR.2019 19:37:14

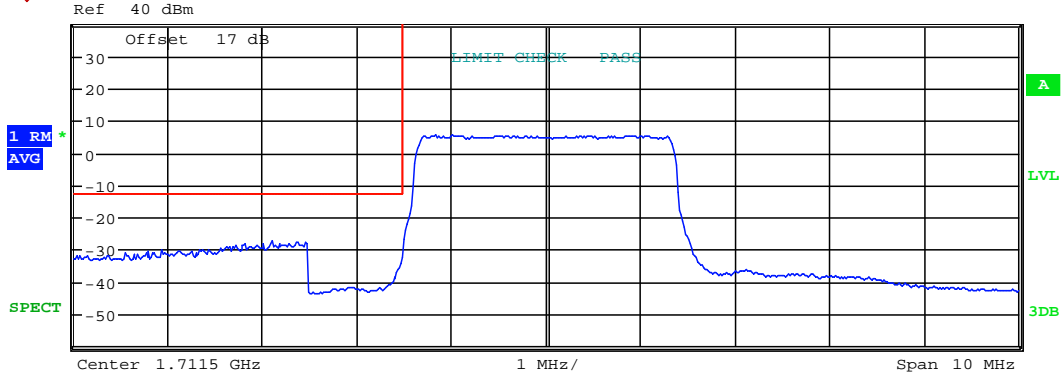


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



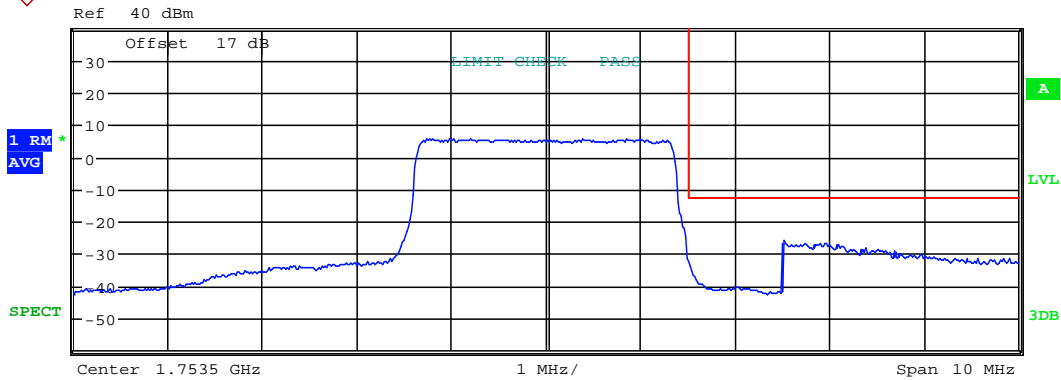
Tx Channel				BW_3_MHz_lower UL		
Bandwidth		3 MHz	Power		18.78 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-5.000 M	-2.500 M	1.00 M	1.708599 G	-27.31	-46.09	-14.31
-2.500 M	-1.500 M	30.00 k	1.709978 G	-32.66	-51.44	-19.66
1.500 M	5.000 M	100.00 k	1.713006 G	-26.38	-45.16	-326.38

Date: 18.APR.2019 19:38:14



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_3_MHz_higher UL		
Bandwidth		3 MHz	Power		18.88 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-5.000 M	-1.500 M	100.00 k	1.751978 G	-26.36	-45.24	-326.36
1.500 M	2.500 M	30.00 k	1.755006 G	-31.84	-50.73	-18.84
2.500 M	5.000 M	1.00 M	1.756016 G	-26.19	-45.07	-13.19

Date: 18.APR.2019 19:42:10

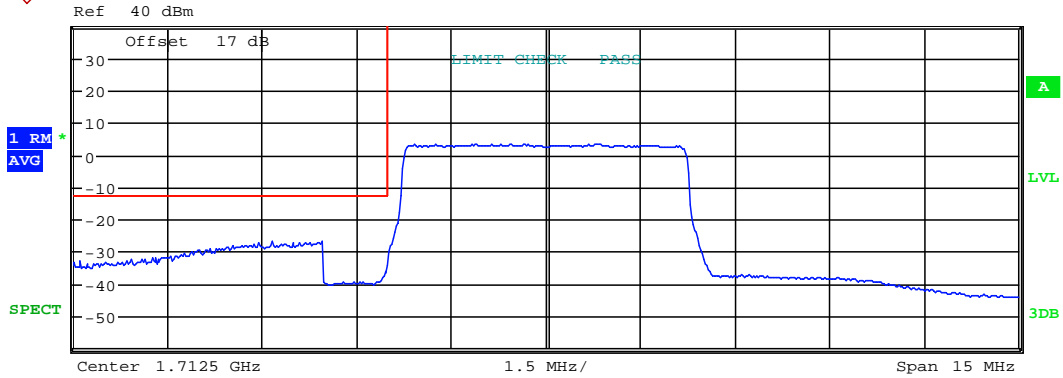


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



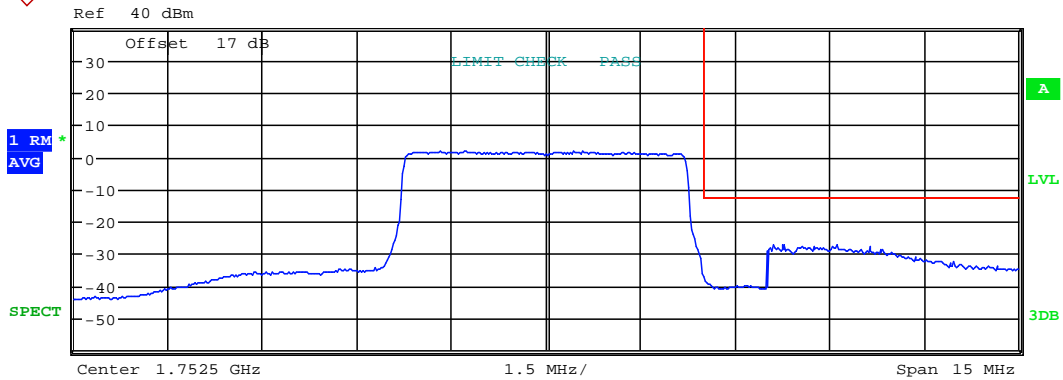
Tx Channel				BW_5_MHz_lower UL		
Bandwidth		5 MHz	Power		18.89 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-7.500 M	-3.500 M	1.00 M	1.708942 G	-26.70	-45.59	-13.70
-3.500 M	-2.500 M	50.00 k	1.709976 G	-34.64	-53.53	-21.64
2.500 M	7.500 M	100.00 k	1.715000 G	-31.36	-50.25	-331.36

Date: 18.APR.2019 19:44:04



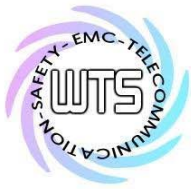
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_5_MHz_higher UL		
Bandwidth		5 MHz	Power		17.30 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.500 M	-2.500 M	100.00 k	1.749976 G	-32.23	-49.53	-332.23
2.500 M	3.500 M	50.00 k	1.755000 G	-36.97	-54.27	-23.97
3.500 M	7.500 M	1.00 M	1.756106 G	-27.21	-44.52	-14.21

Date: 18.APR.2019 19:48:10

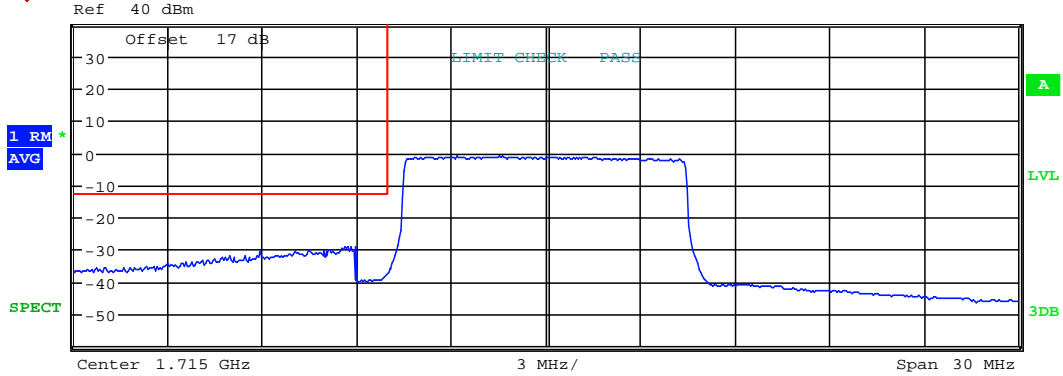


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz

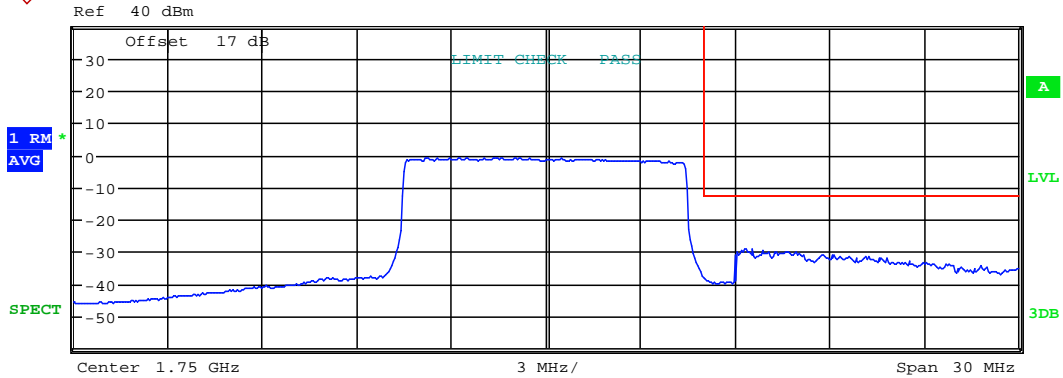


Tx Channel				BW_10_MHz_lower UL		
Bandwidth		10 MHz	Power		17.40 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-15.000 M	-6.000 M	1.00 M	1.708942 G	-28.94	-46.35	-15.94
-6.000 M	-5.000 M	100.00 k	1.709952 G	-37.48	-54.88	-24.48
5.000 M	15.000 M	100.00 k	1.720000 G	-38.46	-55.86	-338.46

Date: 18.APR.2019 19:49:26



Report Number: W6M21903-18857-P-247
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Tx Channel				BW_10_MHz_higher UL		
Bandwidth		10 MHz	Power		17.54 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-15.000 M	-5.000 M	100.00 k	1.744952 G	-36.87	-54.42	-336.87
5.000 M	6.000 M	100.00 k	1.755000 G	-37.94	-55.48	-24.94
6.000 M	15.000 M	1.00 M	1.756298 G	-29.33	-46.87	-16.33

Date: 18.APR.2019 19:53:23

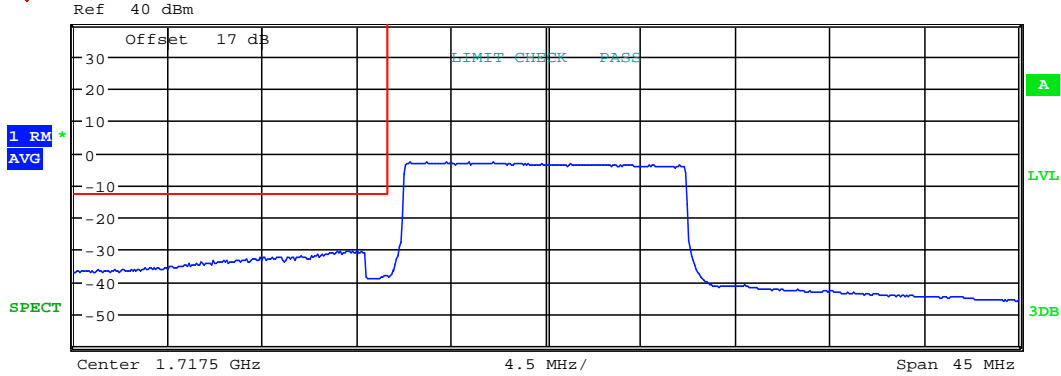


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



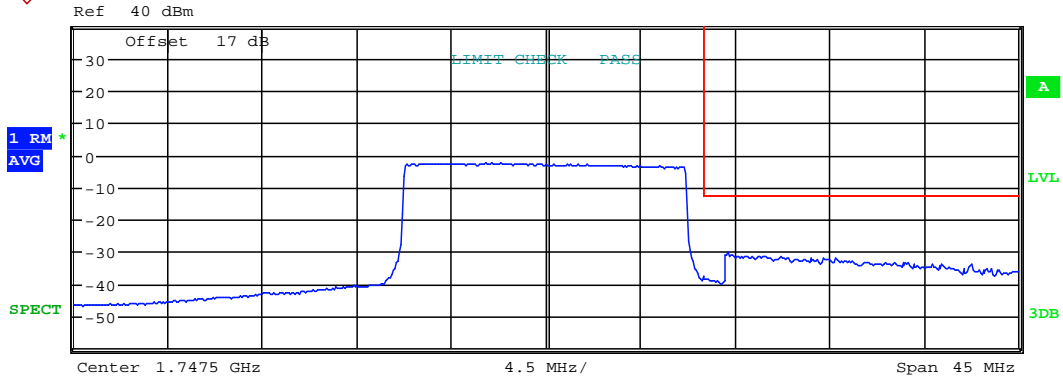
Tx Channel				BW_15_MHz_lower UL		
Bandwidth		15 MHz	Power		17.27 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-22.500 M	-8.500 M	1.00 M	1.708486 G	-30.39	-47.66	-17.39
-8.500 M	-7.500 M	150.00 k	1.709928 G	-37.60	-54.87	-24.60
7.500 M	22.500 M	100.00 k	1.725000 G	-39.68	-56.95	-339.68

Date: 18.APR.2019 19:55:23



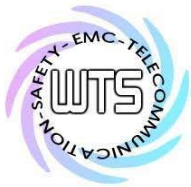
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_15_MHz_higher UL			
Bandwidth			Power		BW_15_MHz_higher UL		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	ΔLimit	
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]	
-22.500 M	-7.500 M	100.00 k	1.739928 G	-38.84	-56.57	-338.84	
7.500 M	8.500 M	150.00 k	1.755000 G	-37.85	-55.58	-24.85	
8.500 M	22.500 M	1.00 M	1.756154 G	-30.21	-47.95	-17.21	

Date: 18.APR.2019 19:59:40

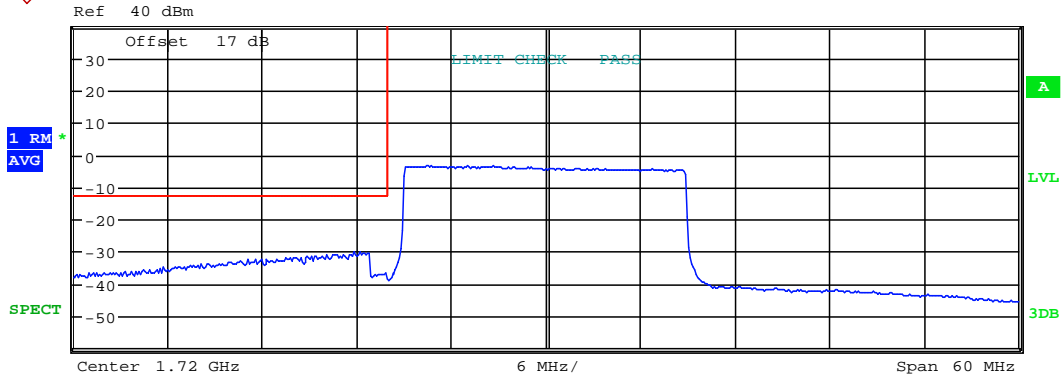


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



Tx Channel				BW_20_MHz_lower UL		
Bandwidth		20 MHz	Power		17.93 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-30.000 M	-11.000 M	1.00 M	1.707788 G	-30.05	-47.98	-17.05
-11.000 M	-10.000 M	200.00 k	1.709904 G	-36.43	-54.35	-23.43
10.000 M	30.000 M	100.00 k	1.730000 G	-39.78	-57.71	-339.78

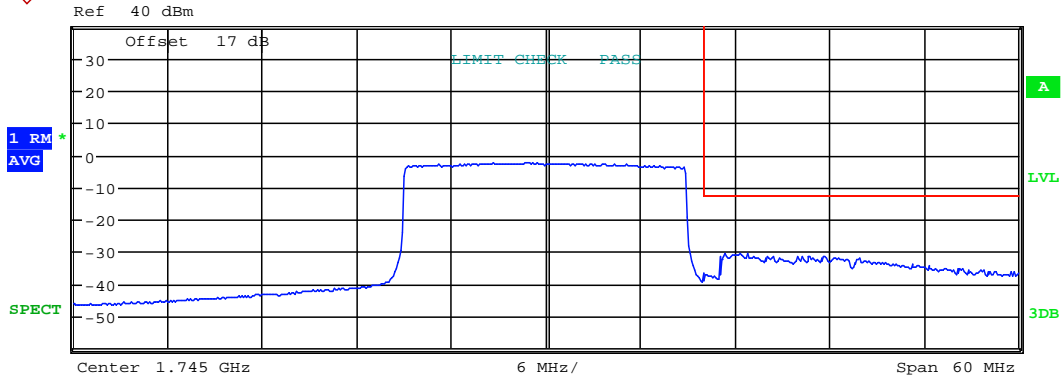
Date: 18.APR.2019 20:00:36



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_20_MHz_higher UL		
Bandwidth		20 MHz	Power		19.01 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-30.000 M	-10.000 M	100.00 k	1.734904 G	-39.46	-58.47	-339.46
10.000 M	11.000 M	200.00 k	1.755000 G	-36.83	-55.84	-23.83
11.000 M	30.000 M	1.00 M	1.756346 G	-30.56	-49.57	-17.56

Date: 18.APR.2019 20:04:39



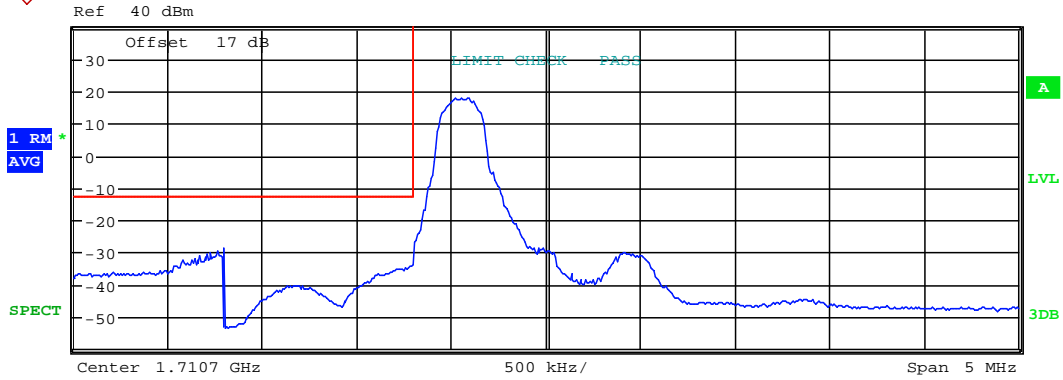
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

1RB

1.4MHz



Tx Channel				BW_1_4_MHz_lower UL		
Bandwidth		1.4 MHz		Power		19.71 dBm
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-2.500 M	-1.700 M	1.00 M	1.708961 G	-29.12	-48.83	-16.12
-1.700 M	-700.000 k	20.00 k	1.709995 G	-33.96	-53.67	-20.96
700.000 k	2.500 M	100.00 k	1.711400 G	-44.45	-64.16	-344.45

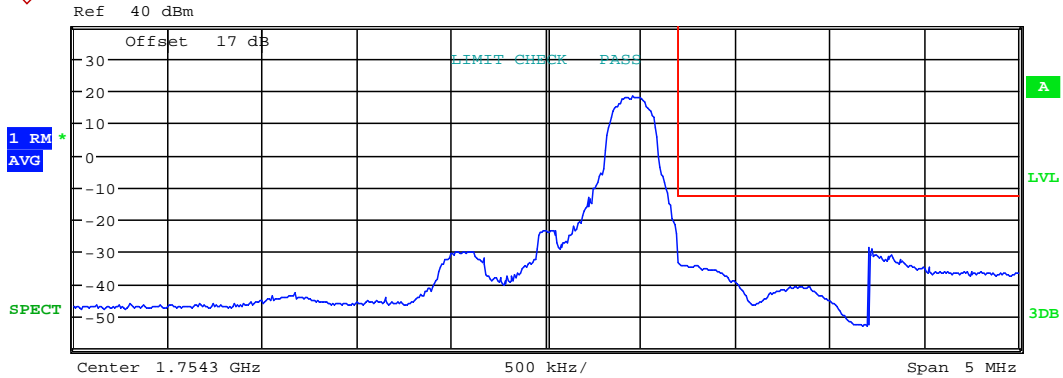
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Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_1_4_MHz_higher UL		
Bandwidth		1.4 MHz	Power		19.92 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-2.500 M	-700.000 k	100.00 k	1.752970 G	-42.85	-62.77	-342.85
700.000 k	1.700 M	20.00 k	1.755000 G	-24.41	-44.33	-11.41
1.700 M	2.500 M	1.00 M	1.756007 G	-28.85	-48.77	-15.85

Date: 18.APR.2019 19:35:47

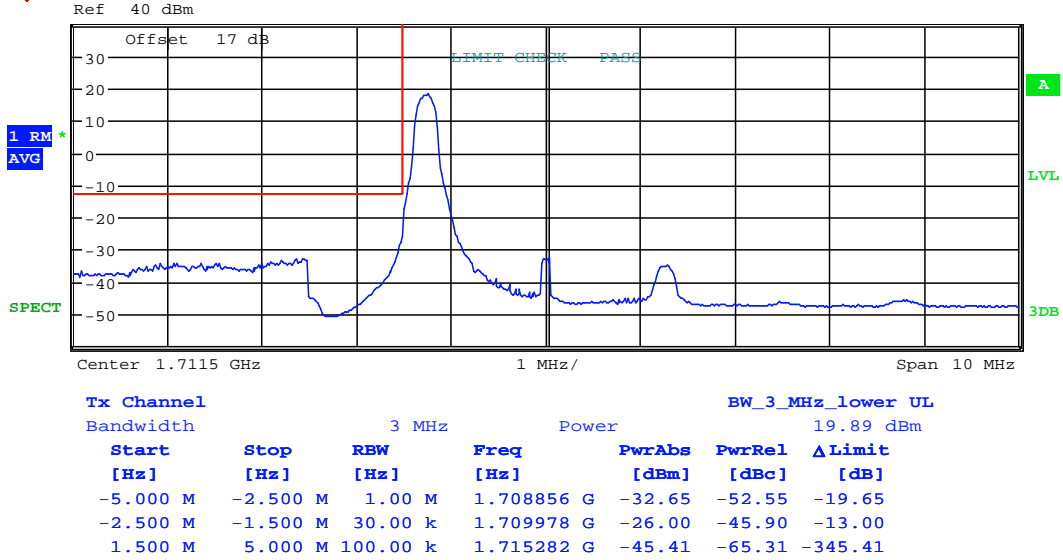


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz

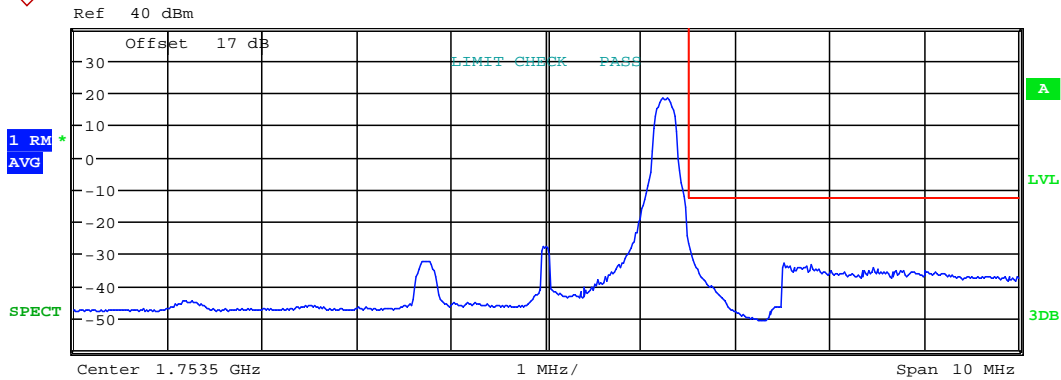


Date: 18.APR.2019 19:39:44



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_3_MHz_higher UL		
Bandwidth		3 MHz	Power		20.12 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-5.000 M	-1.500 M	100.00 k	1.749670 G	-44.52	-64.63	-344.52
1.500 M	2.500 M	30.00 k	1.755006 G	-25.19	-45.30	-12.19
2.500 M	5.000 M	1.00 M	1.756016 G	-32.84	-52.95	-19.84

Date: 18.APR.2019 19:40:43

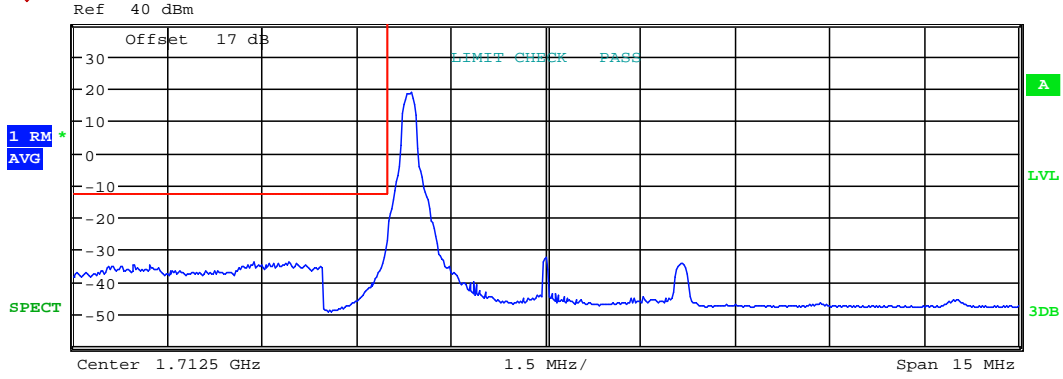


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

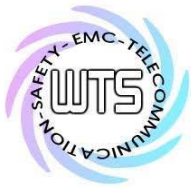
FCC ID: YY3-182010

5MHz



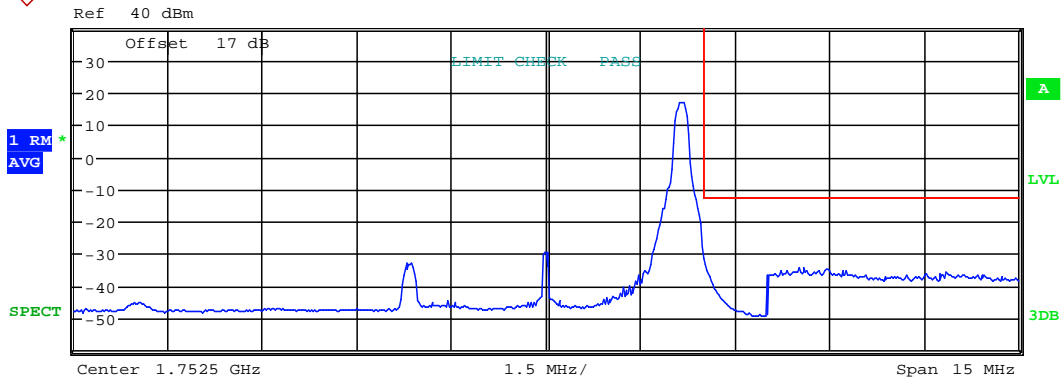
Tx Channel				BW_5_MHz_lower UL		
Bandwidth			5 MHz	Power		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-7.500 M	-3.500 M	1.00 M	1.708413 G	-33.77	-54.30	-20.77
-3.500 M	-2.500 M	50.00 k	1.709976 G	-27.17	-47.71	-14.17
2.500 M	7.500 M	100.00 k	1.718966 G	-45.70	-66.24	-345.70

Date: 18.APR.2019 19:45:22



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_5_MHz_higher UL		
Bandwidth		5 MHz		Power		18.90 dBm
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.500 M	-2.500 M	100.00 k	1.746034 G	-45.11	-64.01	-345.11
2.500 M	3.500 M	50.00 k	1.755000 G	-28.47	-47.37	-15.47
3.500 M	7.500 M	1.00 M	1.756514 G	-34.47	-53.37	-21.47

Date: 18.APR.2019 19:46:43

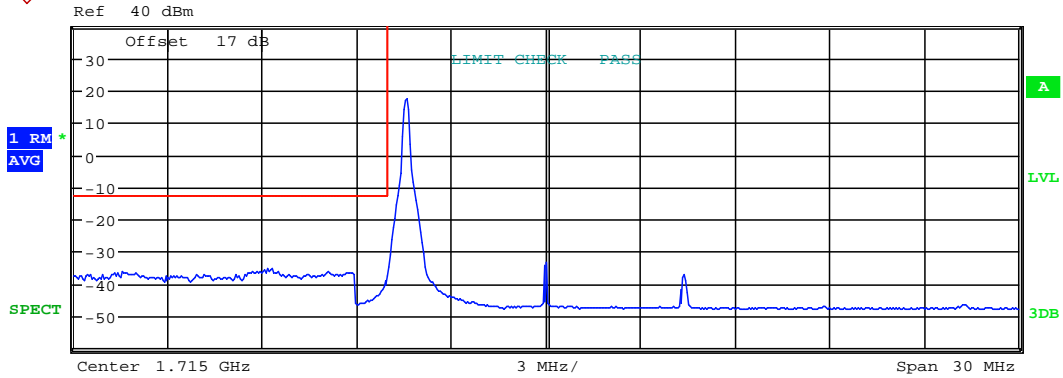


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz

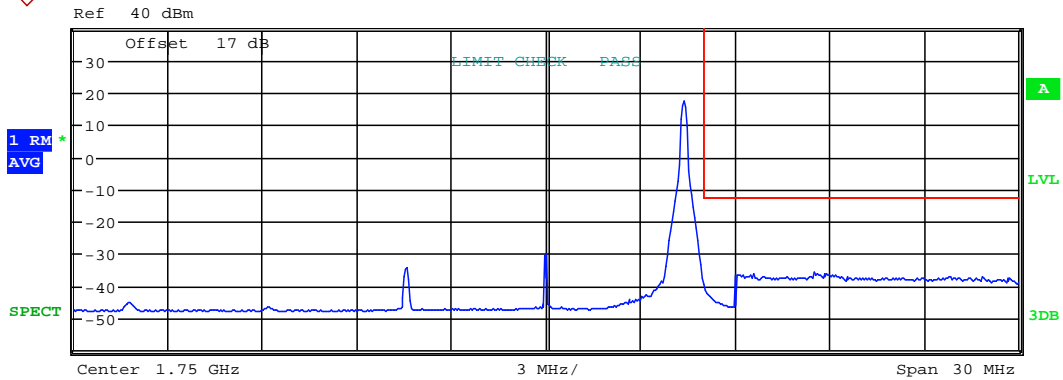


Tx Channel				BW_10_MHz_lower UL		
Bandwidth		10 MHz	Power		19.53 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-15.000 M	-6.000 M	1.00 M	1.706298 G	-35.44	-54.97	-22.44
-6.000 M	-5.000 M	100.00 k	1.709952 G	-37.85	-57.37	-24.85
5.000 M	15.000 M	100.00 k	1.728317 G	-46.78	-66.31	-346.78

Date: 18.APR.2019 19:50:52

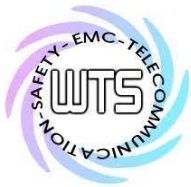


Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Tx Channel				Power			BW_10_MHz_higher UL
Bandwidth	10 MHz						19.39 dBm
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]	
-15.000 M	-5.000 M	100.00 k	1.736779 G	-45.14	-64.53	-345.14	
5.000 M	6.000 M	100.00 k	1.755000 G	-37.99	-57.39	-24.99	
6.000 M	15.000 M	1.00 M	1.758510 G	-35.82	-55.21	-22.82	

Date: 18.APR.2019 19:51:49

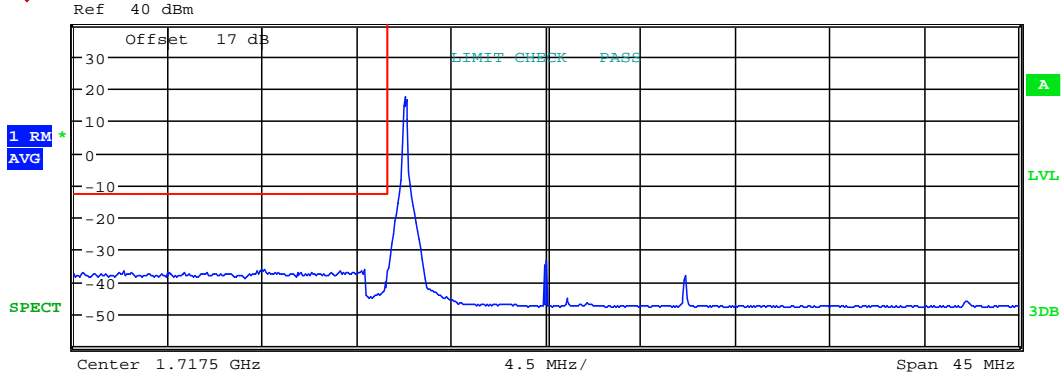


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



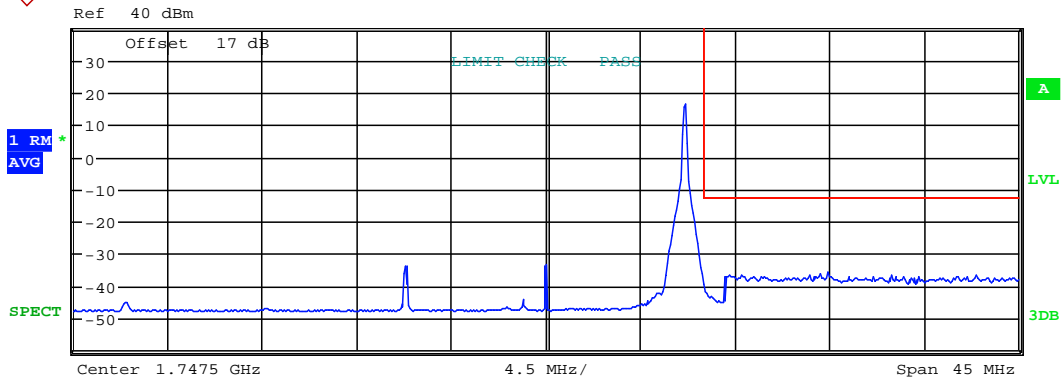
Tx Channel				BW_15_MHz_lower UL		
Bandwidth		15 MHz	Power		19.50 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-22.500 M	-8.500 M	1.00 M	1.704087 G	-36.23	-55.73	-23.23
-8.500 M	-7.500 M	150.00 k	1.709928 G	-36.79	-56.30	-23.79
7.500 M	22.500 M	100.00 k	1.737548 G	-45.86	-65.37	-345.86

Date: 18.APR.2019 19:56:49



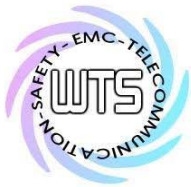
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				Power			BW_15_MHz_higher UL
Bandwidth		15 MHz					18.88 dBm
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit	
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]	
-22.500 M	-7.500 M	100.00 k	1.727524 G	-45.10	-63.98	-345.10	
7.500 M	8.500 M	150.00 k	1.755000 G	-36.54	-55.42	-23.54	
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Date: 18.APR.2019 19:58:06

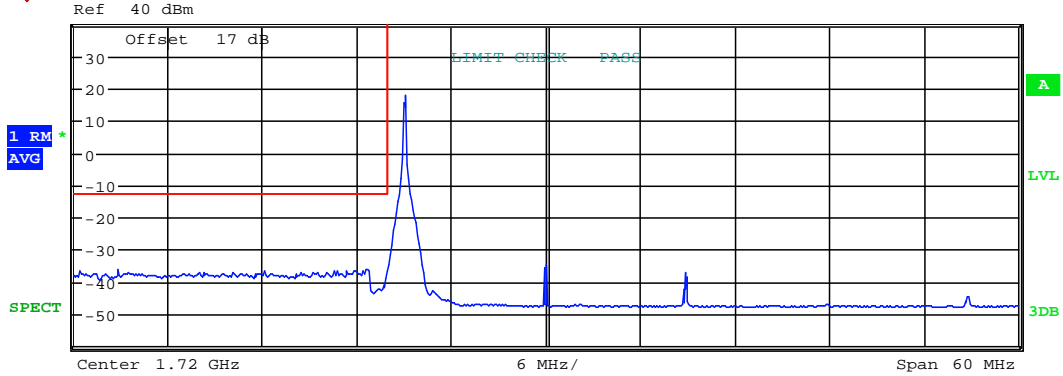


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



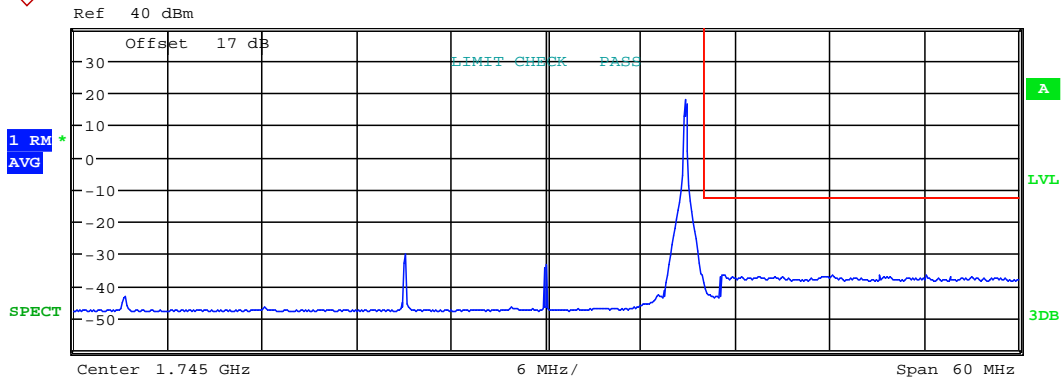
Tx Channel				BW_20_MHz_lower UL		
Bandwidth		20 MHz	Power		20.31 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-30.000 M	-11.000 M	1.00 M	1.692788 G	-36.12	-56.42	-23.12
-11.000 M	-10.000 M	200.00 k	1.709904 G	-36.92	-57.23	-23.92
10.000 M	30.000 M	100.00 k	1.746731 G	-44.75	-65.05	-344.75

Date: 18.APR.2019 20:02:09



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_20_MHz_higher UL		
Bandwidth		20 MHz	Power		20.32 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-30.000 M	-10.000 M	100.00 k	1.718269 G	-43.49	-63.80	-343.49
10.000 M	11.000 M	200.00 k	1.755000 G	-35.89	-56.21	-22.89
11.000 M	30.000 M	1.00 M	1.756346 G	-36.58	-56.90	-23.58

Date: 18.APR.2019 20:03:12



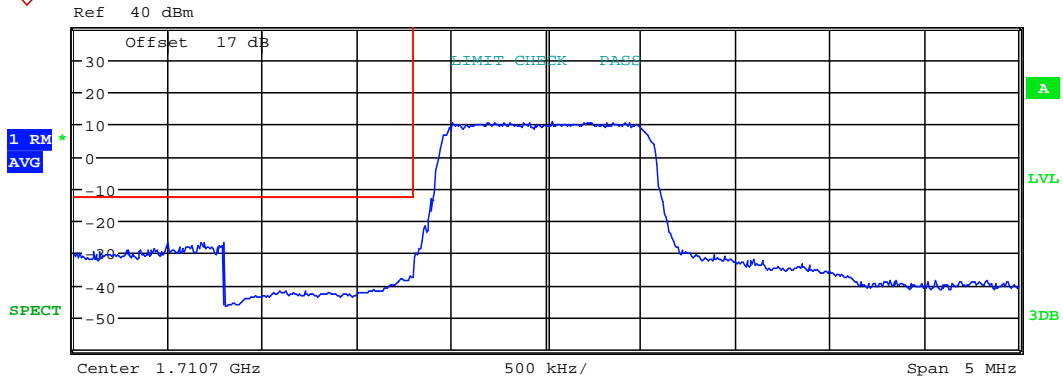
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

QPSK

FRB

1.4MHz



Tx Channel				BW_1_4_MHz_lower UL		
Bandwidth		1.4 MHz		Power		19.62 dBm
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-2.500 M	-1.700 M	1.00 M	1.708873 G	-26.82	-46.43	-13.82
-1.700 M	-700.000 k	20.00 k	1.709979 G	-37.49	-57.11	-24.49
700.000 k	2.500 M	100.00 k	1.711400 G	-27.60	-47.22	-327.60

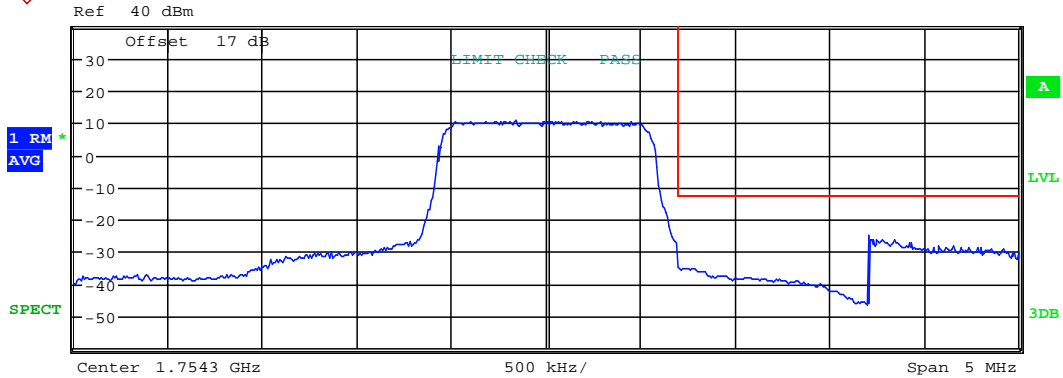
Date: 18.APR.2019 19:33:32



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_1_4_MHz_higher UL		
Bandwidth		1.4 MHz	Power		19.76 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-2.500 M	-700.000 k	100.00 k	1.753579 G	-26.92	-46.68	-326.92
700.000 k	1.700 M	20.00 k	1.755000 G	-27.42	-47.18	-14.42
1.700 M	2.500 M	1.00 M	1.756007 G	-24.82	-44.58	-11.82

Date: 18.APR.2019 19:36:47

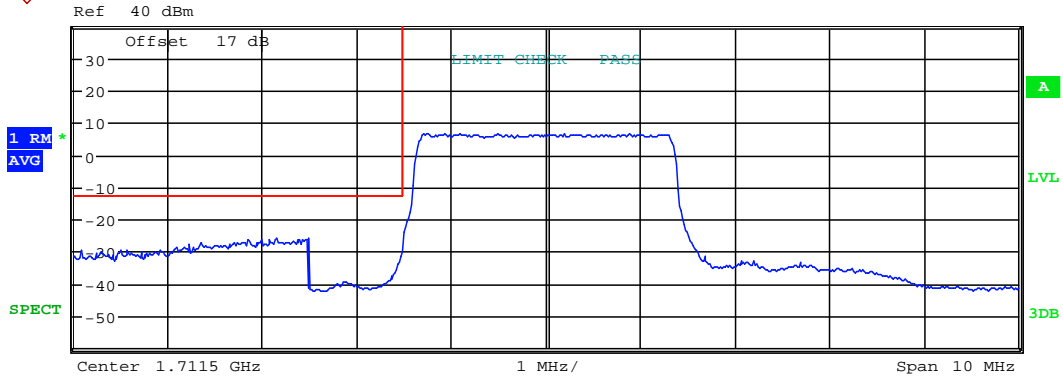


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



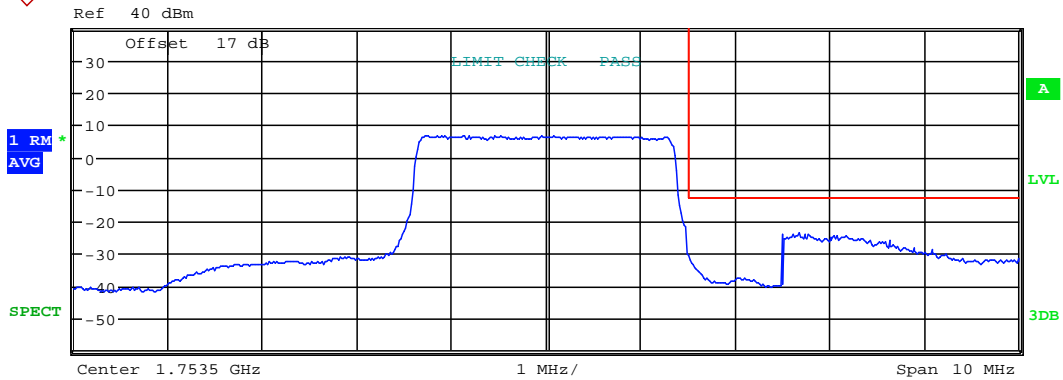
Tx Channel				BW_3_MHz_lower UL		
Bandwidth		3 MHz	Power		19.83 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-5.000 M	-2.500 M	1.00 M	1.708920 G	-26.13	-45.96	-13.13
-2.500 M	-1.500 M	30.00 k	1.709978 G	-30.16	-49.99	-17.16
1.500 M	5.000 M	100.00 k	1.713006 G	-24.76	-44.58	-324.76

Date: 18.APR.2019 19:38:40



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_3_MHz_higher UL		
Bandwidth		3 MHz	Power		19.89 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-5.000 M	-1.500 M	100.00 k	1.751978 G	-23.96	-43.85	-323.96
1.500 M	2.500 M	30.00 k	1.755006 G	-30.43	-50.32	-17.43
2.500 M	5.000 M	1.00 M	1.756176 G	-23.80	-43.69	-10.80

Date: 18.APR.2019 19:41:47

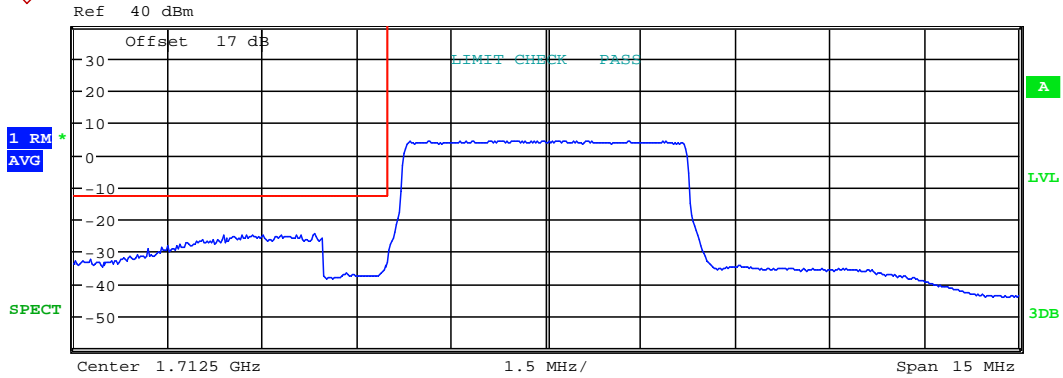


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



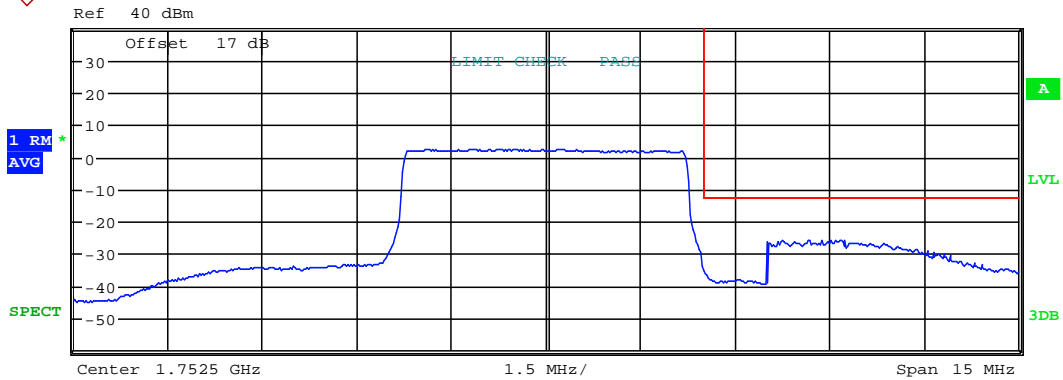
Tx Channel				BW_5_MHz_lower UL		
Bandwidth		5 MHz	Power		19.97 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-7.500 M	-3.500 M	1.00 M	1.708822 G	-24.63	-44.60	-11.63
-3.500 M	-2.500 M	50.00 k	1.709976 G	-33.49	-53.46	-20.49
2.500 M	7.500 M	100.00 k	1.715000 G	-29.98	-49.95	-329.98

Date: 18.APR.2019 19:44:30



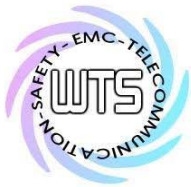
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_5_MHz_higher UL		
Bandwidth		5 MHz	Power		18.03 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.500 M	-2.500 M	100.00 k	1.749976 G	-30.75	-48.78	-330.75
2.500 M	3.500 M	50.00 k	1.755000 G	-34.56	-52.58	-21.56
3.500 M	7.500 M	1.00 M	1.757163 G	-25.76	-43.78	-12.76

Date: 18.APR.2019 19:47:49

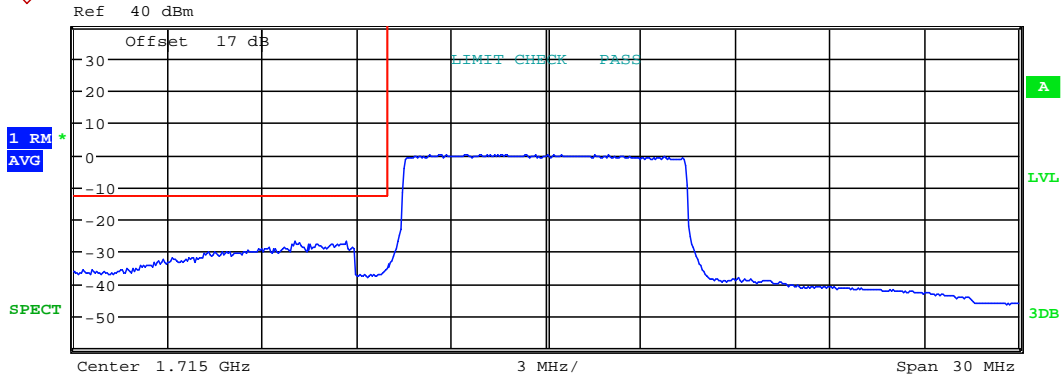


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

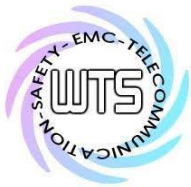
FCC ID: YY3-182010

10MHz



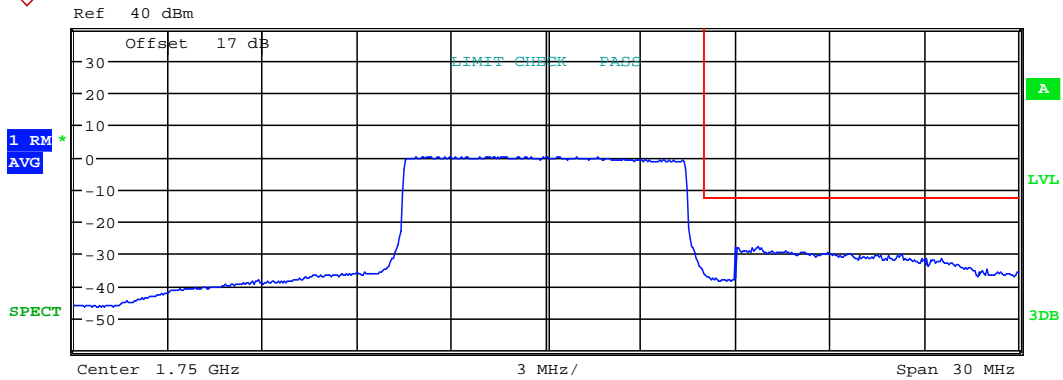
Tx Channel				BW_10_MHz_lower UL			
Bandwidth		10 MHz	Power		18.53 dBm		
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]	
-15.000 M	-6.000 M	1.00 M	1.708654 G	-27.13	-45.65	-14.13	
-6.000 M	-5.000 M	100.00 k	1.709952 G	-35.20	-53.73	-22.20	
5.000 M	15.000 M	100.00 k	1.720048 G	-36.39	-54.92	-336.39	

Date: 18.APR.2019 19:49:52



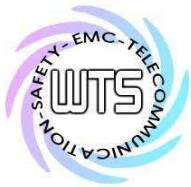
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_10_MHz_higher UL		
Bandwidth		10 MHz	Power		18.60 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-15.000 M	-5.000 M	100.00 k	1.744952 G	-34.48	-53.07	-334.48
5.000 M	6.000 M	100.00 k	1.755000 G	-35.45	-54.04	-22.45
6.000 M	15.000 M	1.00 M	1.756731 G	-27.79	-46.39	-14.79

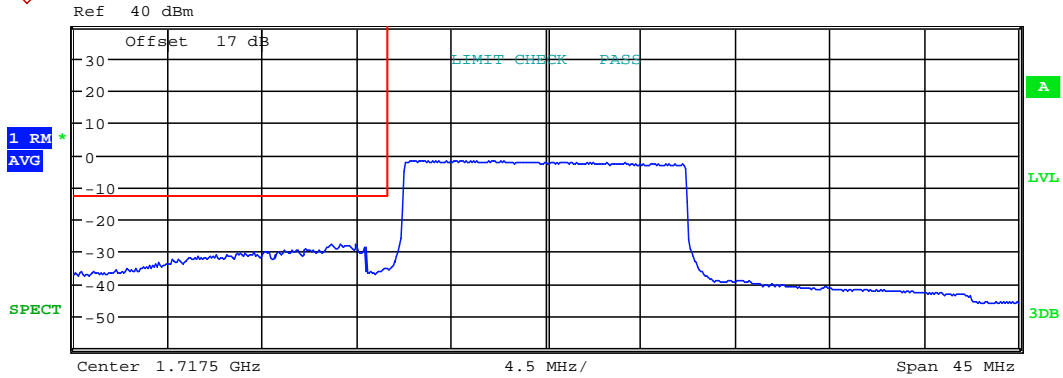
Date: 18.APR.2019 19:52:59



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

15MHz



Tx Channel				BW_15_MHz_lower UL			
Bandwidth		15 MHz	Power		18.38 dBm		
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]	
-22.500 M	-8.500 M	1.00 M	1.707692 G	-27.52	-45.91	-14.52	
-8.500 M	-7.500 M	150.00 k	1.709928 G	-34.71	-53.09	-21.71	
7.500 M	22.500 M	100.00 k	1.725000 G	-36.90	-55.28	-336.90	

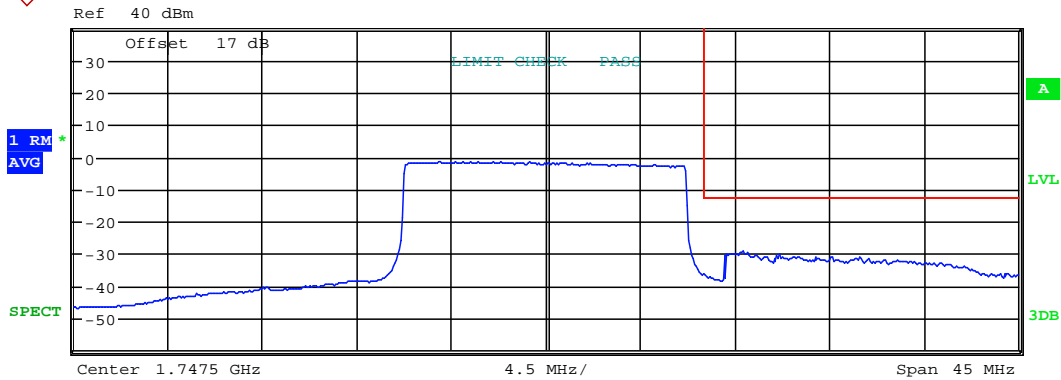
Date: 18.APR.2019 19:55:51



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_15_MHz_higher UL			
Bandwidth			Power		BW_15_MHz_higher UL		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit	
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]	
-22.500 M	-7.500 M	100.00 k	1.739928 G	-36.66	-55.41	-336.66	
7.500 M	8.500 M	150.00 k	1.755000 G	-36.18	-54.93	-23.18	
8.500 M	22.500 M	1.00 M	1.756875 G	-29.09	-47.84	-16.09	

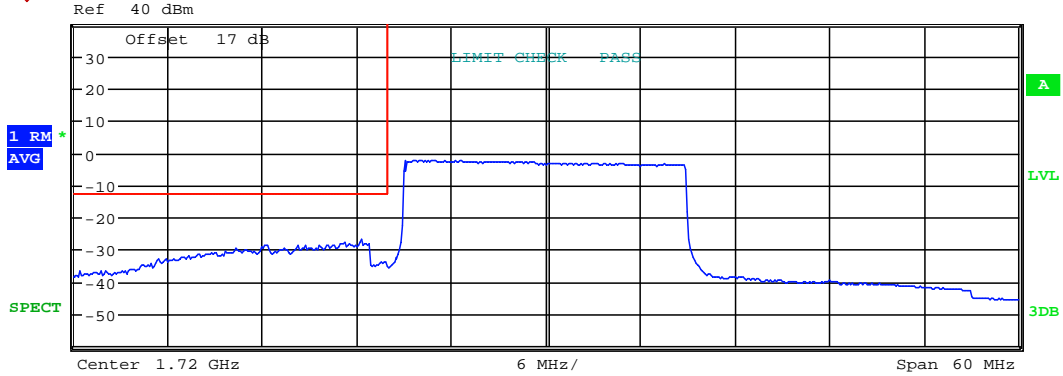
Date: 18.APR.2019 19:59:10



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

20MHz



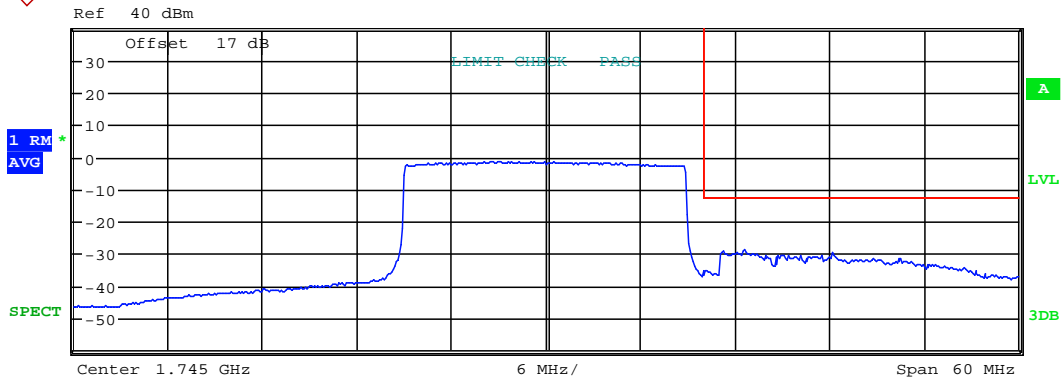
Tx Channel				BW_20_MHz_lower UL		
Bandwidth		20 MHz	Power		18.97 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-30.000 M	-11.000 M	1.00 M	1.708269 G	-27.12	-46.09	-14.12
-11.000 M	-10.000 M	200.00 k	1.709904 G	-33.21	-52.18	-20.21
10.000 M	30.000 M	100.00 k	1.730000 G	-37.10	-56.07	-337.10

Date: 18.APR.2019 20:01:05



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_20_MHz_higher UL		
Bandwidth		20 MHz	Power		20.02 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-30.000 M	-10.000 M	100.00 k	1.734904 G	-36.99	-57.01	-336.99
10.000 M	11.000 M	200.00 k	1.755000 G	-35.21	-55.23	-22.21
11.000 M	30.000 M	1.00 M	1.757596 G	-28.93	-48.95	-15.93

Date: 18.APR.2019 20:04:13



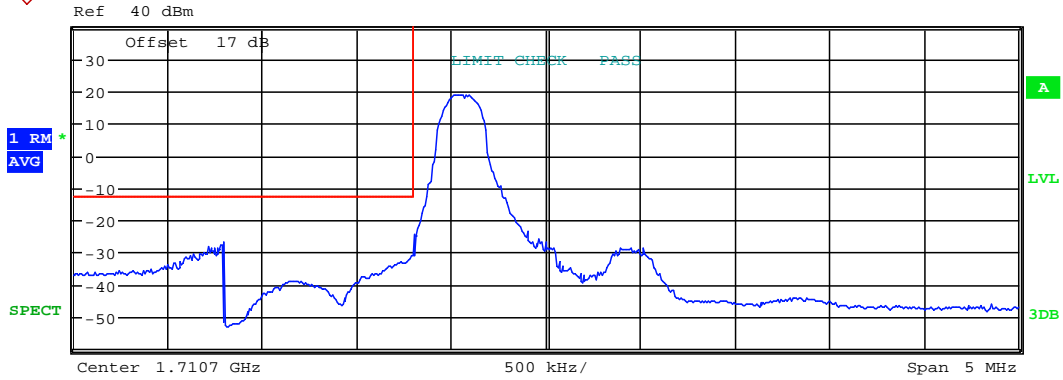
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

1RB

1.4MHz



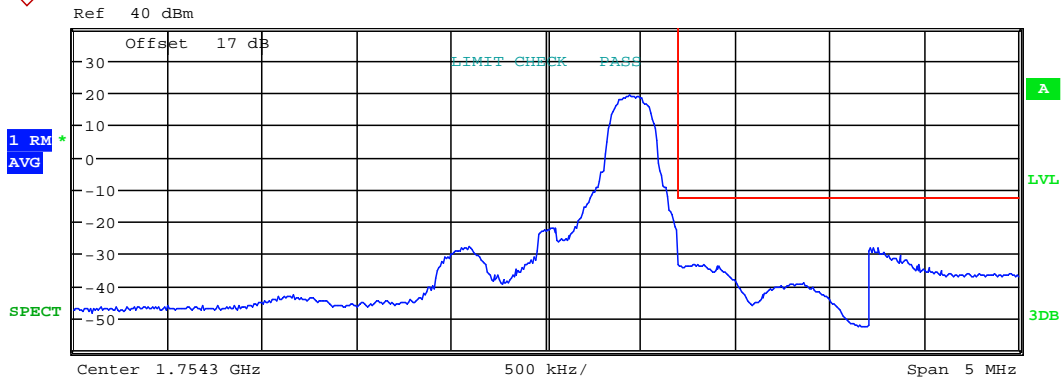
Tx Channel				BW_1.4_MHz_lower UL			
Bandwidth		1.4 MHz	Power		20.71 dBm		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	ΔLimit	
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]	
-2.500 M	-1.700 M	1.00 M	1.708993 G	-26.82	-47.54	-13.82	
-1.700 M	-700.000 k	20.00 k	1.709995 G	-31.21	-51.93	-18.21	
700.000 k	2.500 M	100.00 k	1.711400 G	-43.17	-63.88	-343.17	

Date: 18.APR.2019 19:34:00



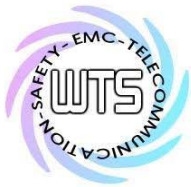
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_1_4_MHz_higher UL			
Bandwidth			1.4 MHz	Power			20.75 dBm
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit	
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]	
-2.500 M	-700.000 k	100.00 k	1.752962 G	-43.03	-63.78	-343.03	
700.000 k	1.700 M	20.00 k	1.755000 G	-23.27	-44.02	-10.27	
1.700 M	2.500 M	1.00 M	1.756055 G	-28.08	-48.83	-15.08	

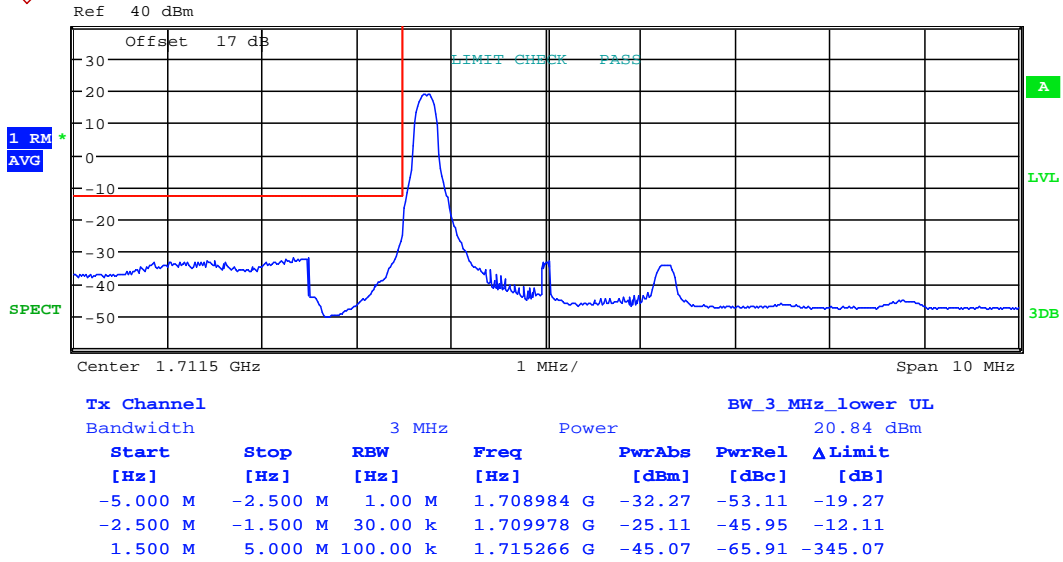
Date: 18.APR.2019 19:36:24



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz

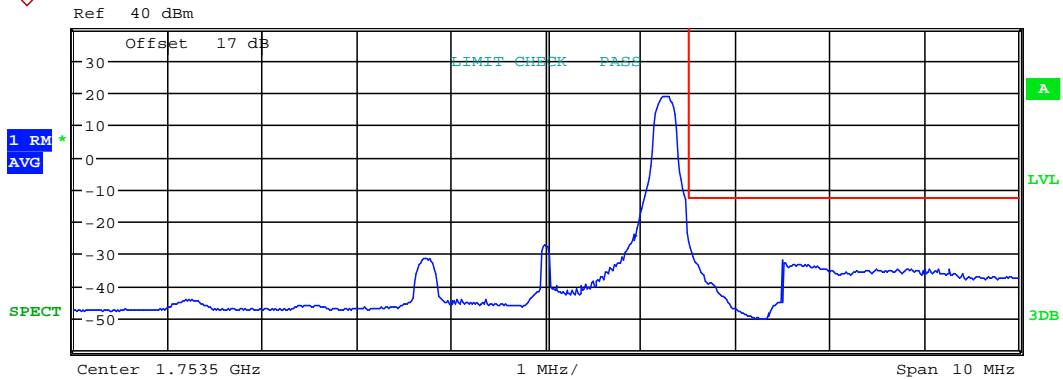


Date: 18.APR.2019 19:39:08



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_3_MHz_higher UL		
Bandwidth		3 MHz	Power		20.84 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-5.000 M	-1.500 M	100.00 k	1.749718 G	-44.34	-65.17	-344.34
1.500 M	2.500 M	30.00 k	1.755006 G	-23.87	-44.70	-10.87
2.500 M	5.000 M	1.00 M	1.756032 G	-32.96	-53.79	-19.96

Date: 18.APR.2019 19:41:24

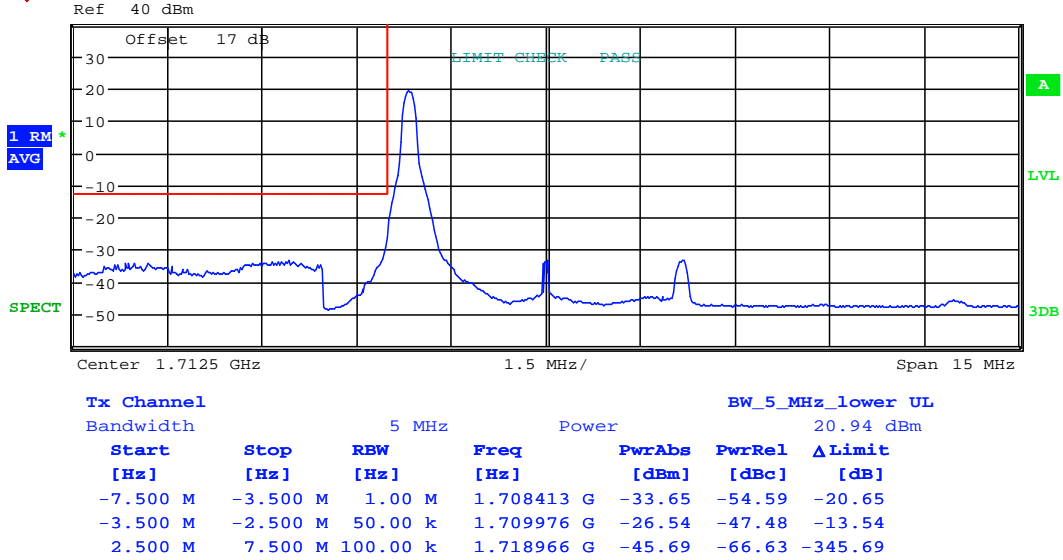


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz

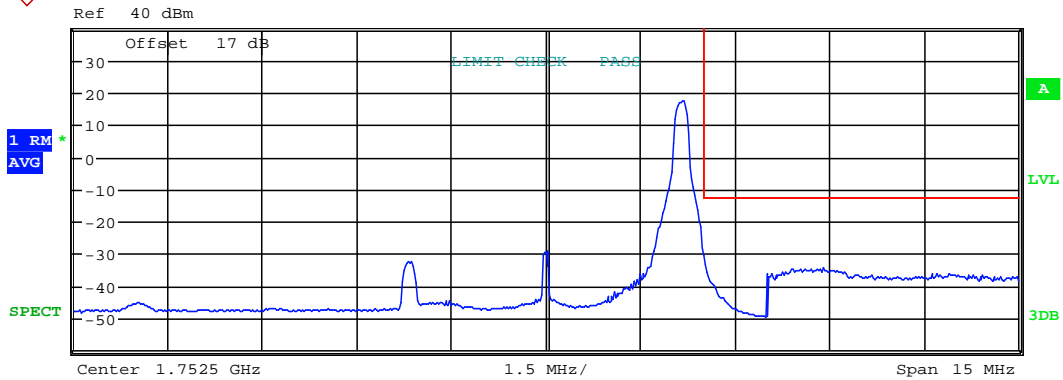


Date: 18.APR.2019 19:44:51



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				BW_5_MHz_higher UL		
Bandwidth		5 MHz	Power		19.33 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.500 M	-2.500 M	100.00 k	1.746010 G	-45.16	-64.49	-345.16
2.500 M	3.500 M	50.00 k	1.755000 G	-28.76	-48.09	-15.76
3.500 M	7.500 M	1.00 M	1.756899 G	-34.53	-53.86	-21.53

Date: 18.APR.2019 19:47:19

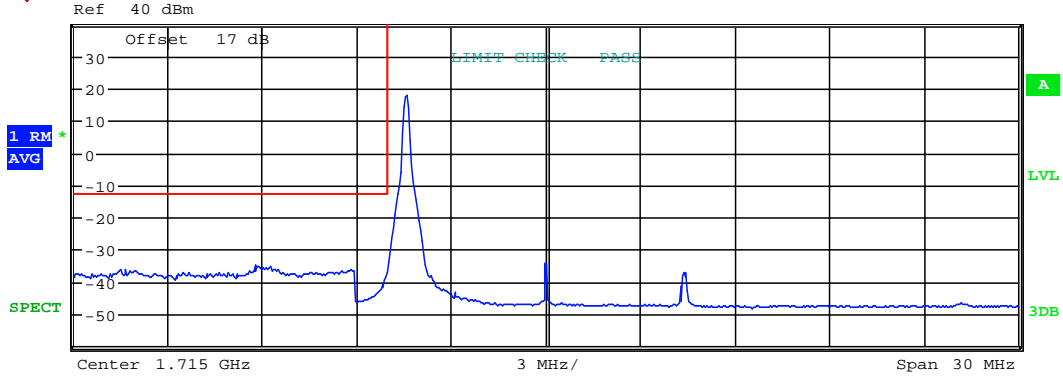


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

10MHz

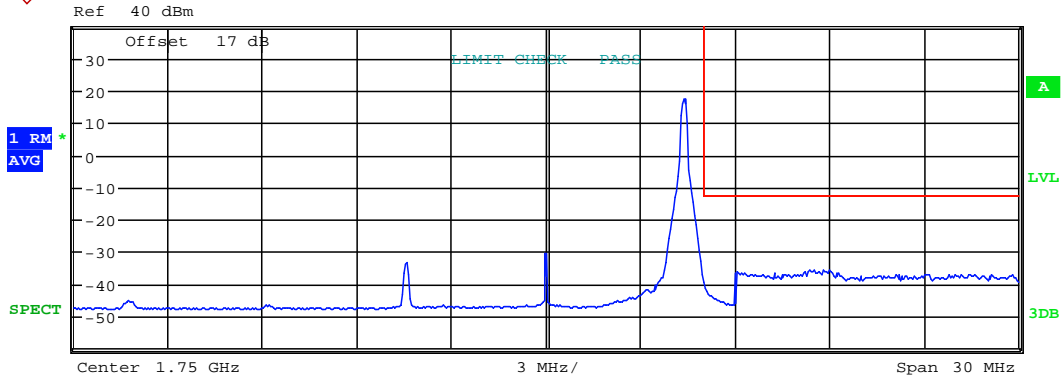


Tx Channel				BW_10_MHz_lower UL		
Bandwidth		10 MHz	Power		20.04 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-15.000 M	-6.000 M	1.00 M	1.706250 G	-35.04	-55.08	-22.04
-6.000 M	-5.000 M	100.00 k	1.709952 G	-36.99	-57.03	-23.99
5.000 M	15.000 M	100.00 k	1.728173 G	-46.85	-66.89	-346.85

Date: 18.APR.2019 19:50:20

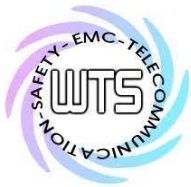


Report Number: W6M21903-18857-P-247
 FCC ID: YY3-182010



Tx Channel				Power			BW_10_MHz_higher UL
Bandwidth		10 MHz					19.77 dBm
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]	
-15.000 M	-5.000 M	100.00 k	1.736731 G	-45.24	-65.01	-345.24	
5.000 M	6.000 M	100.00 k	1.755000 G	-37.59	-57.35	-24.59	
6.000 M	15.000 M	1.00 M	1.758798 G	-35.85	-55.62	-22.85	

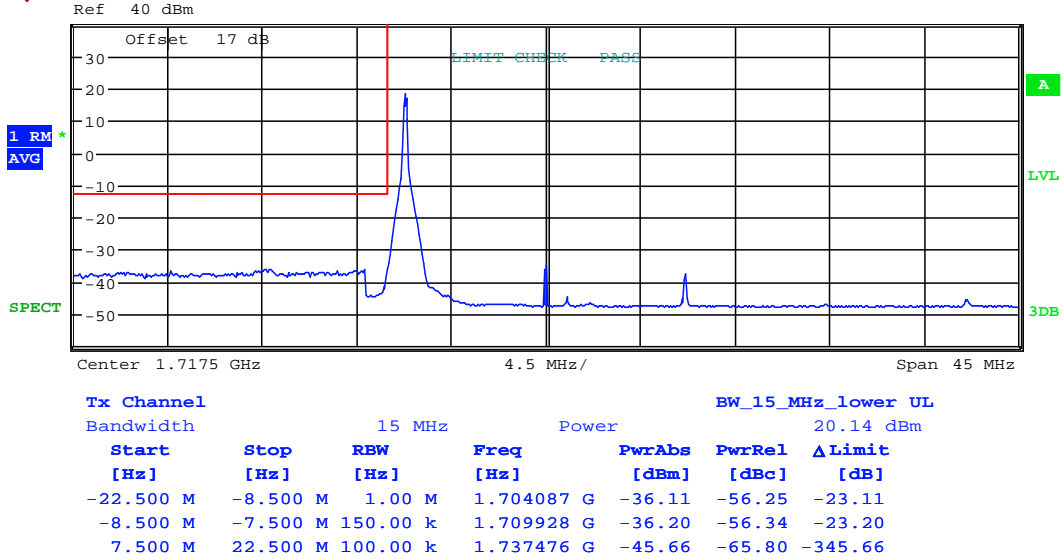
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Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

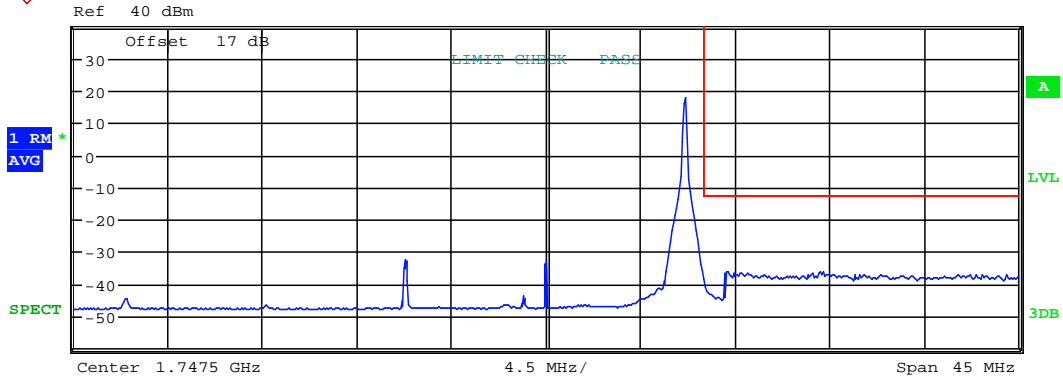
15MHz



Date: 18.APR.2019 19:56:15



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Tx Channel				BW_15_MHz_higher UL			
Bandwidth			Power		BW_15_MHz_higher UL		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit	
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]	
-22.500 M	-7.500 M	100.00 k	1.727452 G	-44.50	-64.16	-344.50	
7.500 M	8.500 M	150.00 k	1.755000 G	-36.36	-56.01	-23.36	
8.500 M	22.500 M	1.00 M	1.760697 G	-36.44	-56.10	-23.44	19.66 dBm

Date: 18.APR.2019 19:58:39

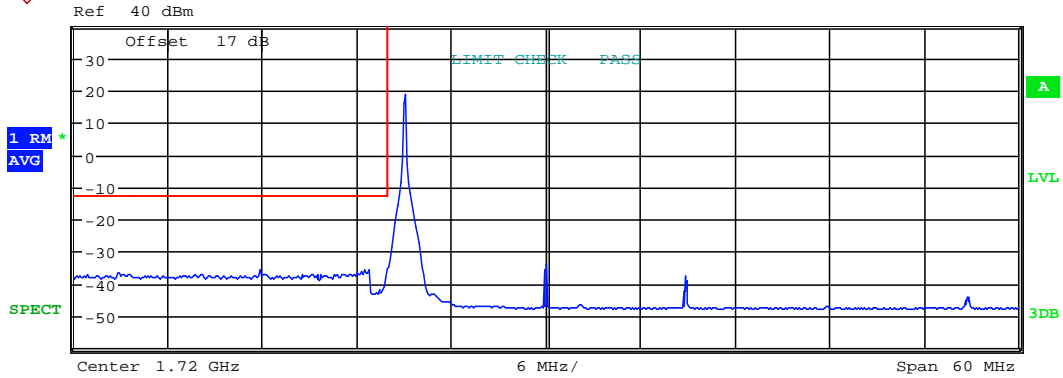


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

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20MHz

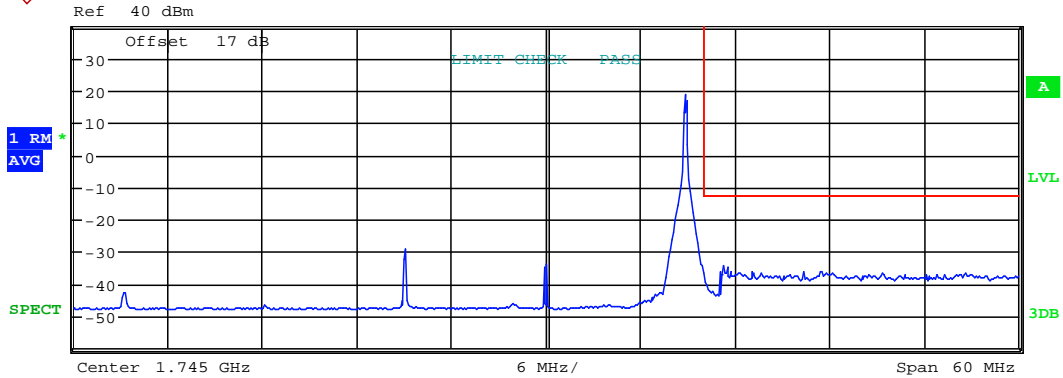


Tx Channel				BW_20_MHz_lower UL		
Bandwidth		20 MHz	Power		21.03 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-30.000 M	-11.000 M	1.00 M	1.701827 G	-35.75	-56.78	-22.75
-11.000 M	-10.000 M	200.00 k	1.709904 G	-35.95	-56.98	-22.95
10.000 M	30.000 M	100.00 k	1.746731 G	-44.21	-65.24	-344.21

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Tx Channel				BW_20_MHz_higher UL		
Bandwidth		20 MHz	Power		21.15 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-30.000 M	-10.000 M	100.00 k	1.718269 G	-42.78	-63.92	-342.78
10.000 M	11.000 M	200.00 k	1.755000 G	-34.22	-55.36	-21.22
11.000 M	30.000 M	1.00 M	1.756250 G	-34.40	-55.55	-21.40

Date: 18.APR.2019 20:03:44



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

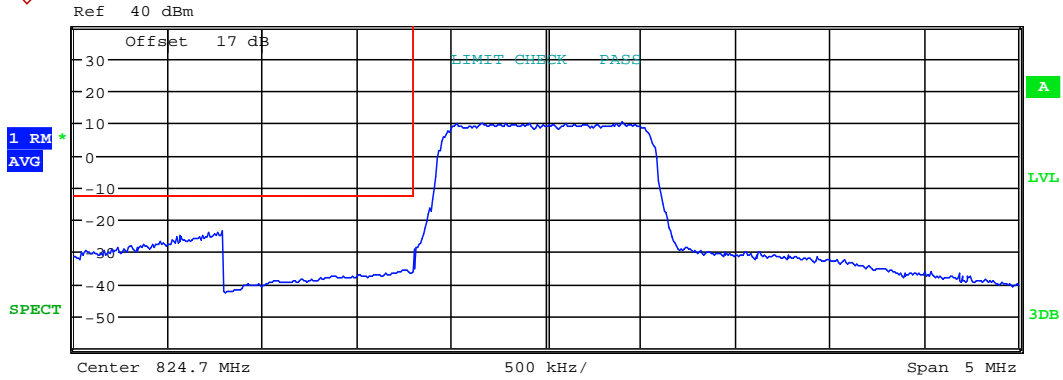
FCC ID: YY3-182010

Band V

16QAM

FRB

1.4MHz



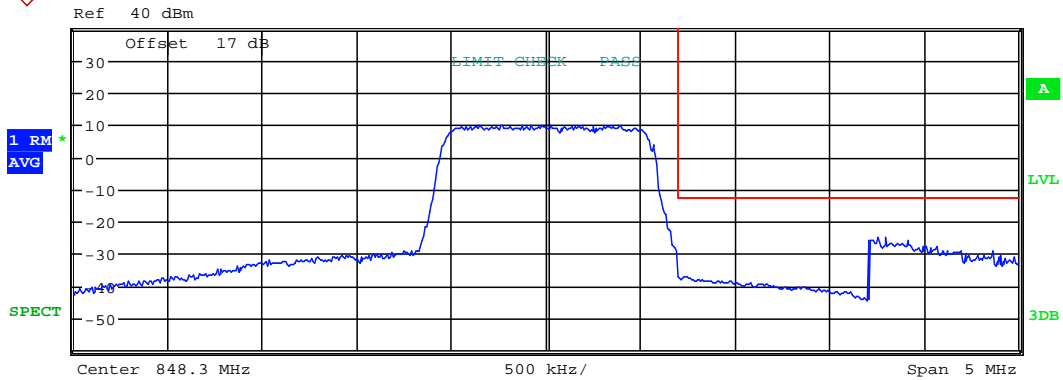
Tx Channel				BW_1_4_MHz_lower UL		
Bandwidth		1.4 MHz		Power		19.05 dBm
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-2.500 M	-1.700 M	1.00 M	822.985256 M	-24.10	-43.16	-11.10
-1.700 M	-700.000 k	20.00 k	823.954808 M	-35.62	-54.67	-22.62
700.000 k	2.500 M	100.00 k	825.445192 M	-28.61	-47.66	-328.61

Date: 18.APR.2019 20:07:55



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Tx Channel				BW_1_4_MHz_higher UL		
Bandwidth		1.4 MHz	Power		18.87 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-2.500 M	-700.000 k	100.00 k	847.546795 M	-29.22	-48.08	-329.21
700.000 k	1.700 M	20.00 k	849.000000 M	-29.61	-48.48	-16.61
1.700 M	2.500 M	1.00 M	850.054808 M	-25.16	-44.03	-12.16

Date: 18.APR.2019 20:11:50

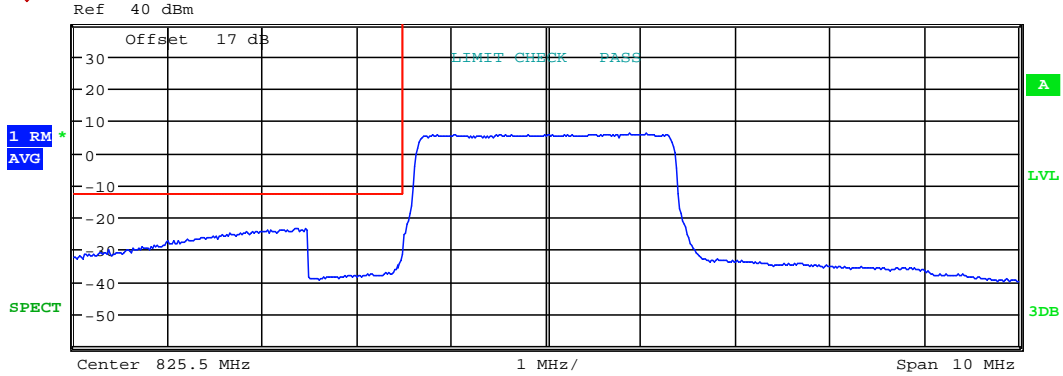


Worldwide Testing Services(Taiwan) Co., Ltd.

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3MHz



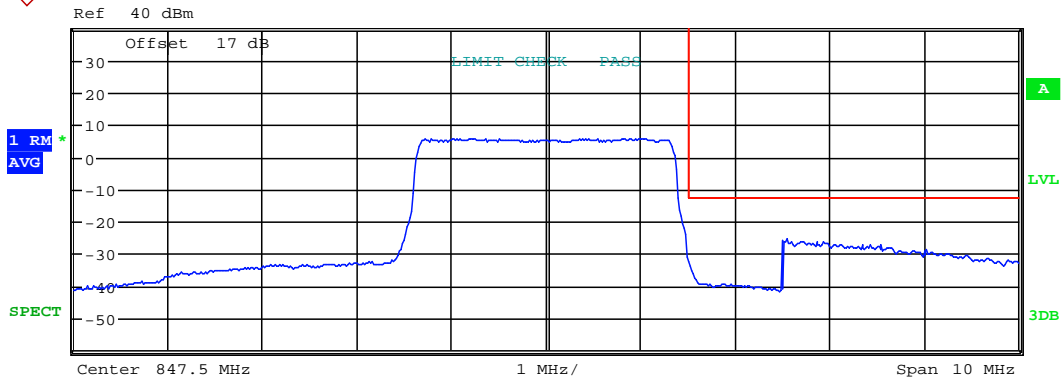
Tx Channel				BW_3_MHz_lower UL		
Bandwidth				Power		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	ΔLimit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-5.000 M	-2.500 M	1.00 M	822.951923 M	-23.56	-42.79	-10.56
-2.500 M	-1.500 M	30.00 k	823.977564 M	-31.84	-51.07	-18.84
1.500 M	5.000 M	100.00 k	827.006410 M	-26.15	-45.39	-326.15

Date: 18.APR.2019 20:12:53



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FCC ID: YY3-182010



Tx Channel				BW_3_MHz_higher UL		
Bandwidth		3 MHz	Power		19.06 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-5.000 M	-1.500 M	100.00 k	845.977564 M	-27.17	-46.23	-327.17
1.500 M	2.500 M	30.00 k	849.006410 M	-31.52	-50.58	-18.52
2.500 M	5.000 M	1.00 M	850.048077 M	-25.66	-44.72	-12.66

Date: 18.APR.2019 20:16:52

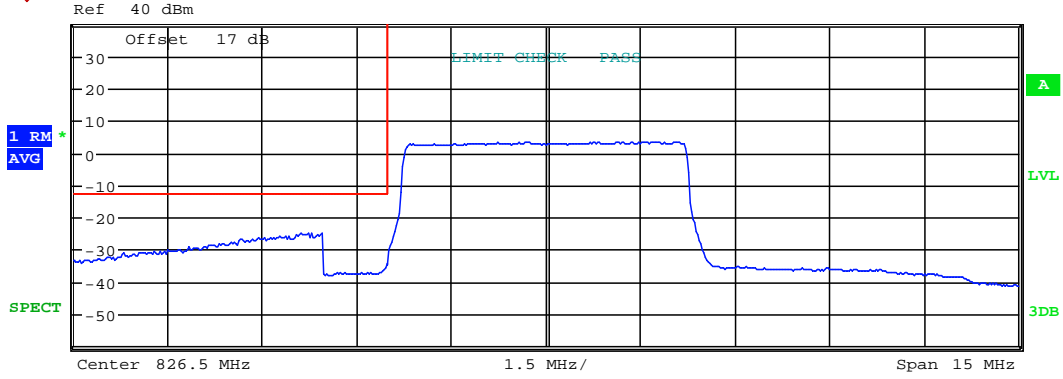


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

5MHz



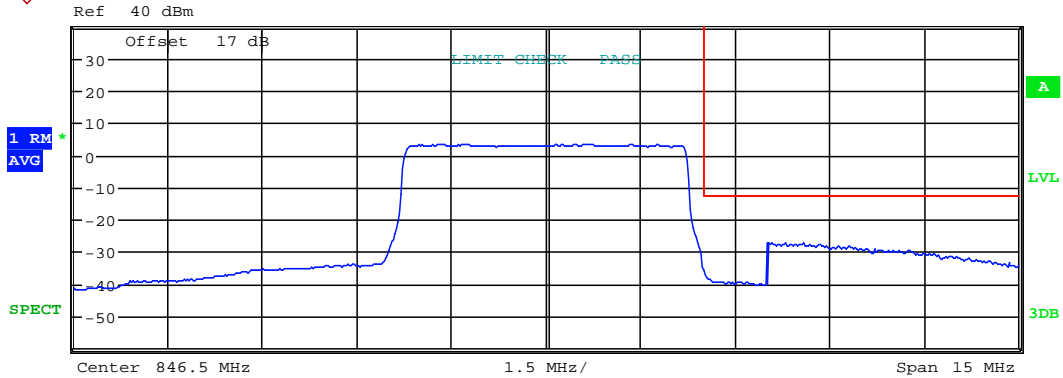
Tx Channel				BW_5_MHz_lower UL		
Bandwidth				Power		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	ΔLimit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-7.500 M	-3.500 M	1.00 M	822.725962 M	-24.82	-43.75	-11.82
-3.500 M	-2.500 M	50.00 k	823.975962 M	-34.40	-53.33	-21.40
2.500 M	7.500 M	100.00 k	829.000000 M	-30.50	-49.43	-330.50

Date: 18.APR.2019 20:20:09



Worldwide Testing Services(Taiwan) Co., Ltd.

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Tx Channel				BW_5_MHz_higher UL		
Bandwidth		5 MHz	Power		19.01 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.500 M	-2.500 M	100.00 k	843.975962 M	-31.15	-50.16	-331.15
2.500 M	3.500 M	50.00 k	849.000000 M	-35.30	-54.31	-22.30
3.500 M	7.500 M	1.00 M	850.033654 M	-27.33	-46.35	-14.33

Date: 18.APR.2019 20:25:14

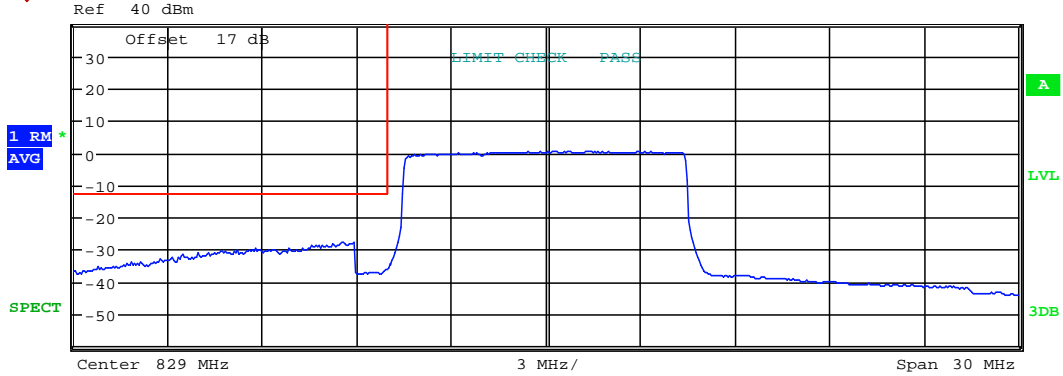


Worldwide Testing Services(Taiwan) Co., Ltd.

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10MHz



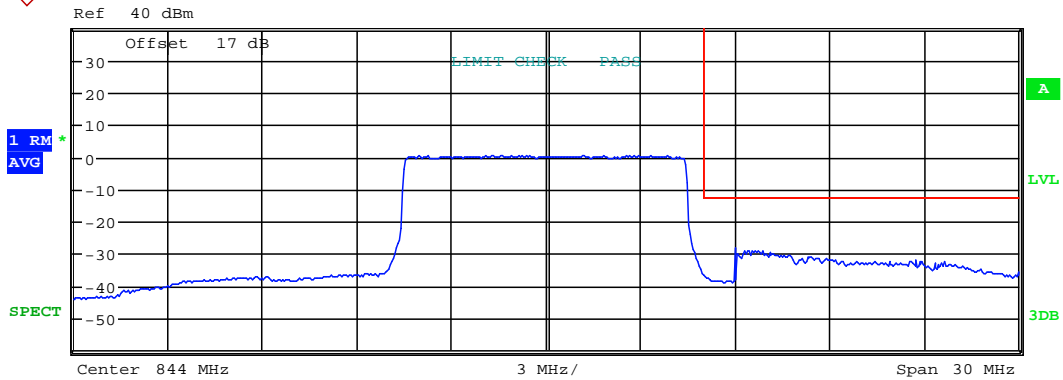
Tx Channel				BW_10_MHz_lower UL		
Bandwidth	10 MHz		Power	19.02 dBm		
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-15.000 M	-6.000 M	1.00 M	822.557692 M	-27.65	-46.67	-14.65
-6.000 M	-5.000 M	100.00 k	823.951923 M	-36.30	-55.32	-23.30
5.000 M	15.000 M	100.00 k	834.000000 M	-36.41	-55.43	-336.41

Date: 18.APR.2019 20:35:10



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FCC ID: YY3-182010



Tx Channel				BW_10_MHz_higher UL		
Bandwidth		10 MHz	Power		19.13 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-15.000 M	-5.000 M	100.00 k	838.903846 M	-35.59	-54.72	-335.59
5.000 M	6.000 M	100.00 k	849.000000 M	-36.62	-55.75	-23.62
6.000 M	15.000 M	1.00 M	850.634615 M	-29.12	-48.25	-16.12

Date: 18.APR.2019 20:38:49



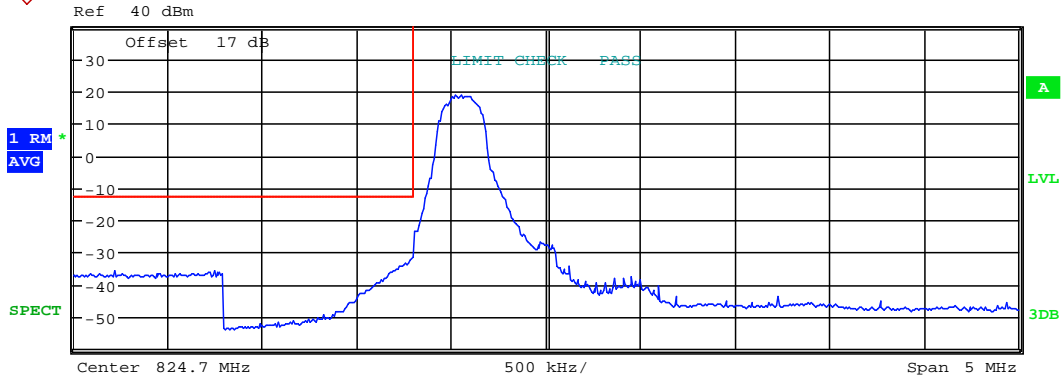
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

1RB

1.4MHz



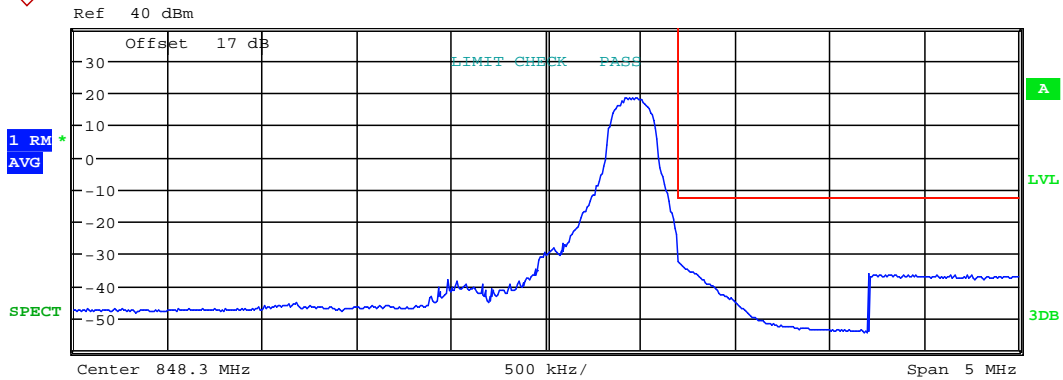
Tx Channel				BW_1_4_MHz_lower UL		
Bandwidth		1.4 MHz	Power			20.43 dBm
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-2.500 M	-1.700 M	1.00 M	822.945192 M	-35.98	-56.40	-22.98
-1.700 M	-700.000 k	20.00 k	823.994872 M	-31.42	-51.85	-18.42
700.000 k	2.500 M	100.00 k	825.925962 M	-43.95	-64.38	-343.95

Date: 18.APR.2019 20:09:23



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Tx Channel				BW_1_4_MHz_higher UL		
Bandwidth		1.4 MHz	Power		20.18 dBm	
Start	Stop	RBW	Freq	PwrAbs	PwrRel	ΔLimit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-2.500 M	-700.000 k	100.00 k	846.977885 M	-45.37	-65.55	-345.37
700.000 k	1.700 M	20.00 k	849.000000 M	-24.20	-44.38	-11.20
1.700 M	2.500 M	1.00 M	850.006731 M	-36.34	-56.52	-23.34

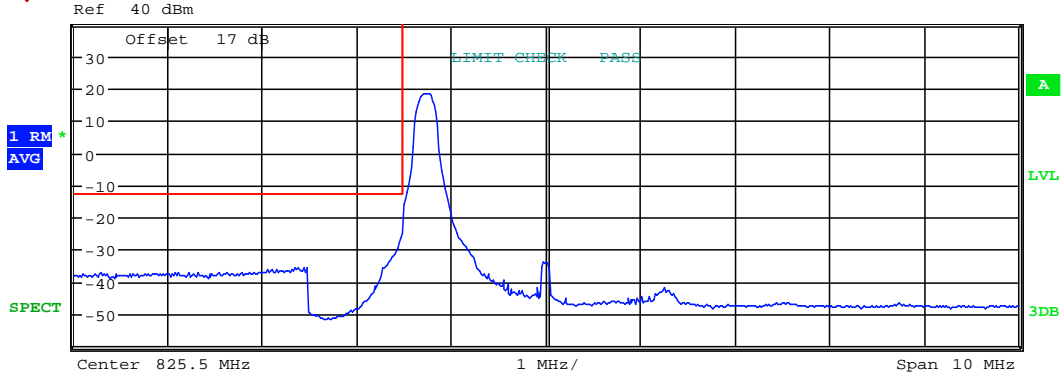
Date: 18.APR.2019 20:10:17



Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010

3MHz



Tx Channel				BW_3_MHz_lower UL		
Bandwidth		3 MHz	Power		20.38 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	ΔLimit [dB]
-5.000 M	-2.500 M	1.00 M	822.967949 M	-35.47	-55.86	-22.47
-2.500 M	-1.500 M	30.00 k	823.977564 M	-24.89	-45.27	-11.89
1.500 M	5.000 M	100.00 k	828.016026 M	-46.42	-66.80	-346.42

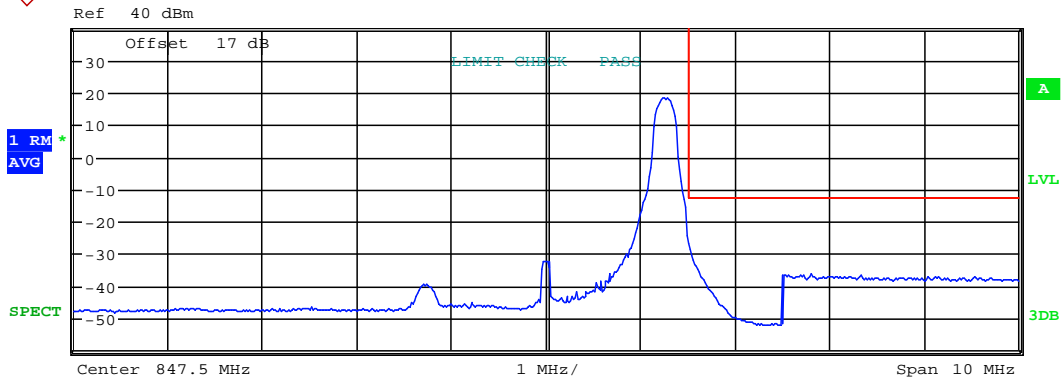
Date: 18.APR.2019 20:14:18



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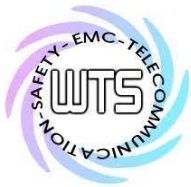
Report Number: W6M21903-18857-P-247

FCC ID: YY3-182010



Tx Channel				Power			BW_3_MHz_higher UL
Bandwidth		3 MHz					20.24 dBm
Start	Stop	RBW	Freq	PwrAbs	PwrRel	Δ Limit	
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]	
-5.000 M	-1.500 M	100.00 k	845.016026 M	-46.72	-66.96	-346.72	
1.500 M	2.500 M	30.00 k	849.006410 M	-25.10	-45.34	-12.10	
2.500 M	5.000 M	1.00 M	850.304487 M	-36.42	-56.66	-23.42	

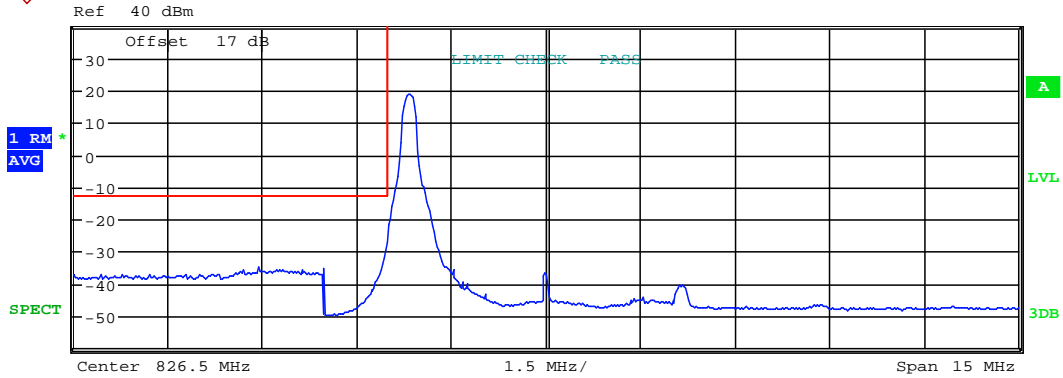
Date: 18.APR.2019 20:15:22



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FCC ID: YY3-182010

5MHz

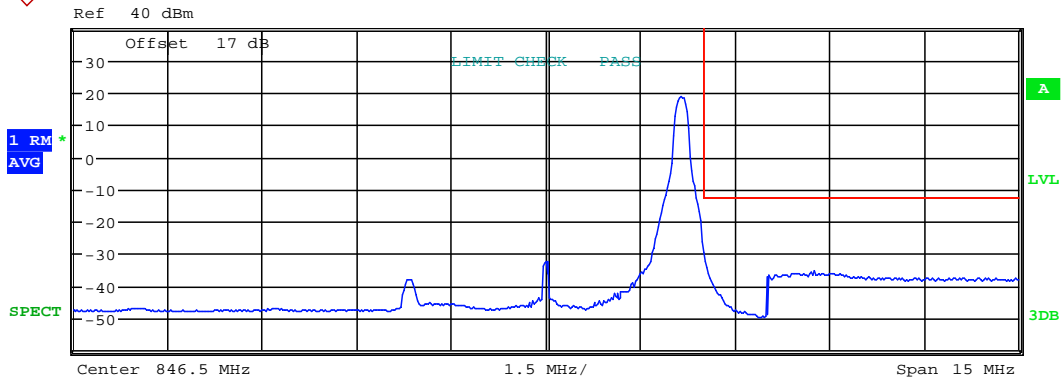


Tx Channel				BW_5_MHz_lower UL		
Bandwidth				Power		
Start	Stop	RBW	Freq	PwrAbs	PwrRel	ΔLimit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dBc]	[dB]
-7.500 M	-3.500 M	1.00 M	822.966346 M	-35.11	-55.97	-22.11
-3.500 M	-2.500 M	50.00 k	823.975962 M	-27.55	-48.42	-14.55
2.500 M	7.500 M	100.00 k	830.802885 M	-46.50	-67.36	-346.50

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Tx Channel				BW_5_MHz_higher UL		
Bandwidth		5 MHz	Power		20.57 dBm	
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	PwrRel [dBc]	Δ Limit [dB]
-7.500 M	-2.500 M	100.00 k	840.081731 M	-46.83	-67.39	-346.83
2.500 M	3.500 M	50.00 k	849.000000 M	-27.11	-47.68	-14.11
3.500 M	7.500 M	1.00 M	850.754808 M	-35.57	-56.14	-22.57

Date: 18.APR.2019 20:23:39