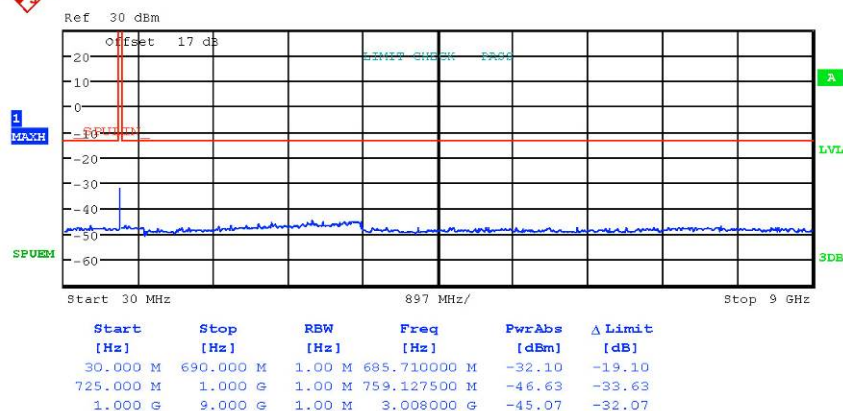


Worldwide Testing Services(Taiwan) Co., Ltd.

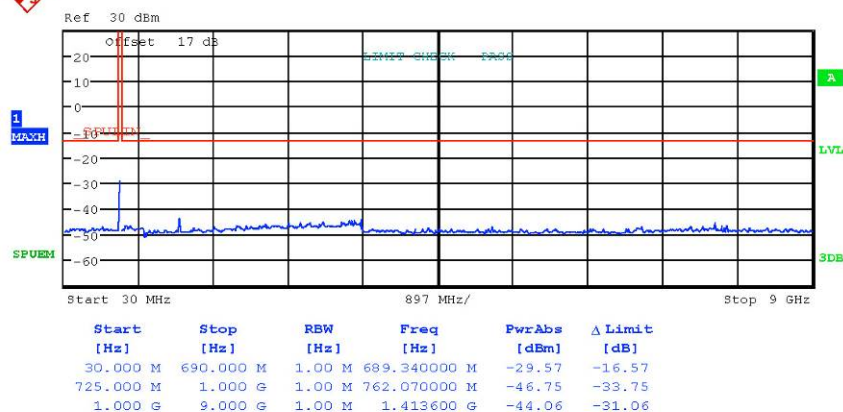
Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA



CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB#0 10MHZ CH23095

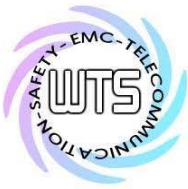
Date: 17.SEP.2018 16:09:15



CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB#0 10MHZ CH23130

Date: 17.SEP.2018 16:09:44

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



Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

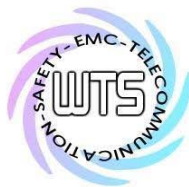
7.3 Explanation of test result

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 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: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

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: 104035/A

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. Measurement uncertainty above 30-200 MHz = ± 2.32 dB, 200-1000 MHz: ± 2.30 dB, 1-18 GHz = ± 3.25 dB, 18-40 GHz = ± 2.89 dB ; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2. The decision rule is "false acceptance".
 6. See attached diagrams in appendix.

8.3 Explanation of test result

Result Level = Reading Level + Corrected Factor

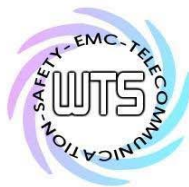
Corrected Factor = SG level – Received level-Cable loss + substitution antenna gain

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: $L=P-A=-13\text{dBm}$

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



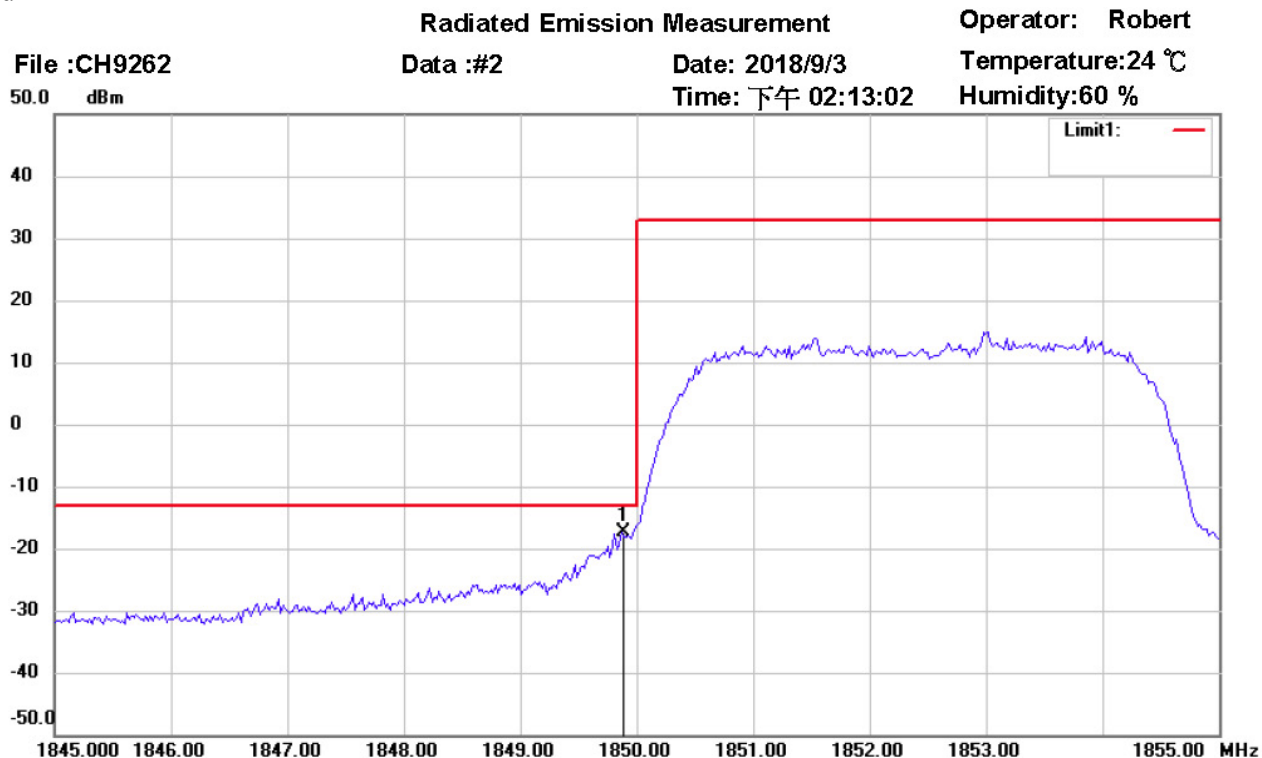
Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

8.5 Test result of band edge emissions

WCDMA

Band 2



Site : Chamber

Condition : FCC_part 24 Bandedge

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND2 CH9262

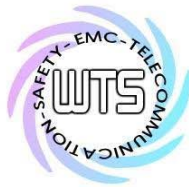
Note :

Polarization: *Horizontal*

Power : 120 V.a.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1849.870	-61.10	peak	43.63	-17.47	-13.00	150	100	-4.47	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

Radiated Emission Measurement

Operator: Robert

File :CH9262

Data :#1

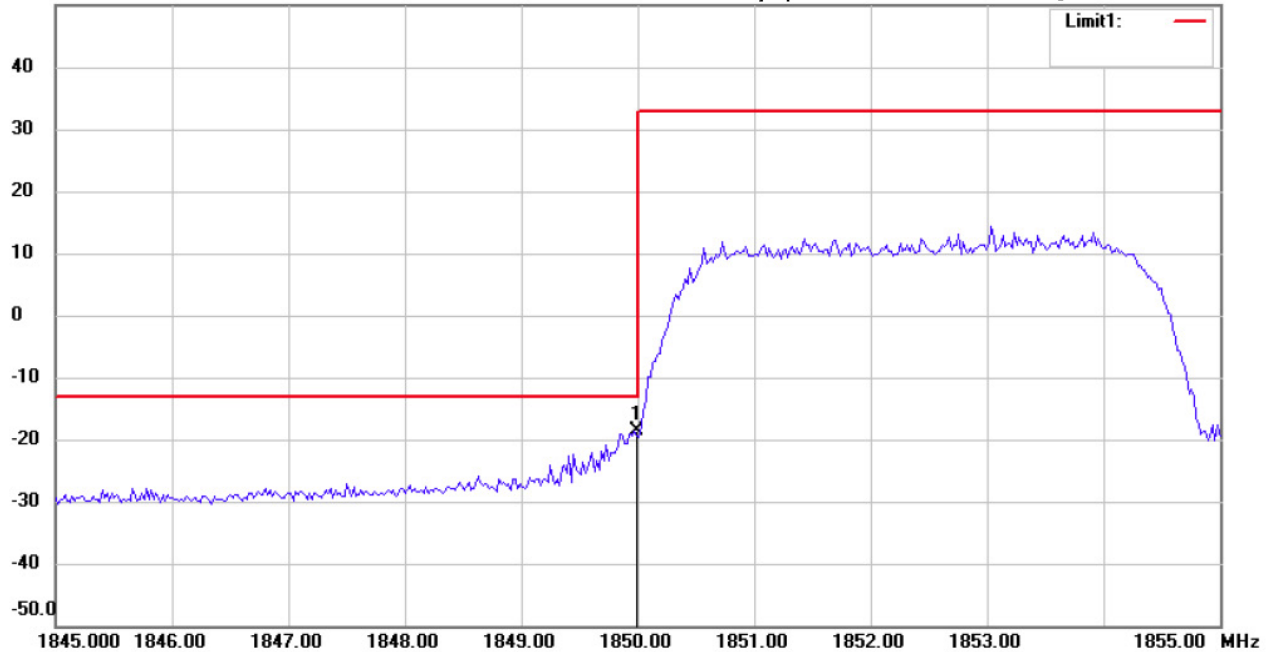
Date: 2018/9/3

Temperature:24 °C

50.0 dBm

Time: 下午 01:56:53

Humidity:60 %



Site : Chamber

Condition : FCC_part 24 Bandedge

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND2 CH9262

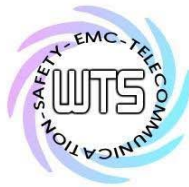
Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1849.970	-64.91	peak	46.41	-18.50	-13.00	150	260	-5.50	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

Radiated Emission Measurement

Operator: Robert

File :CH9538

Data :#2

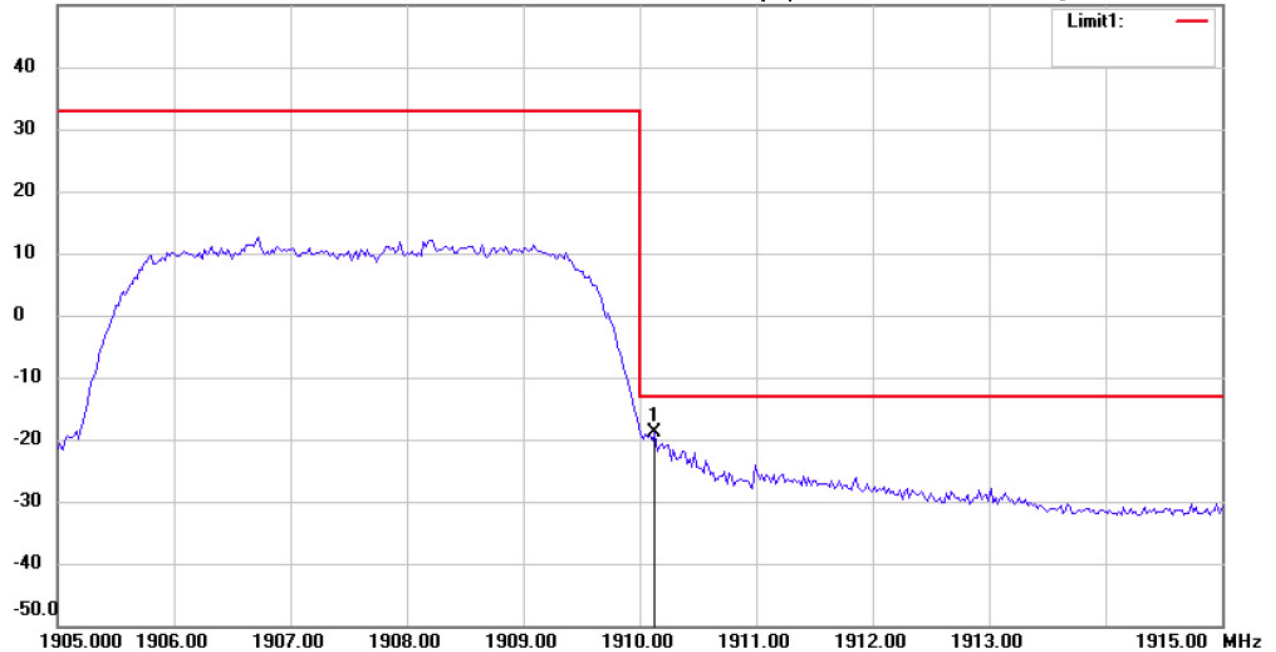
Date: 2018/9/3

Temperature:24 °C

50.0 dBm

Time: 下午 02:15:43

Humidity:60 %



Site : Chamber

Condition : FCC_part 24 Bandedge

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND2 CH9538

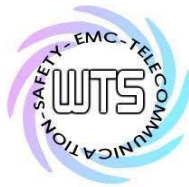
Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1910.130	-63.16	peak	44.17	-18.99	-13.00	150	100	-5.99	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

Radiated Emission Measurement

Operator: Robert

File :CH9538

Data :#1

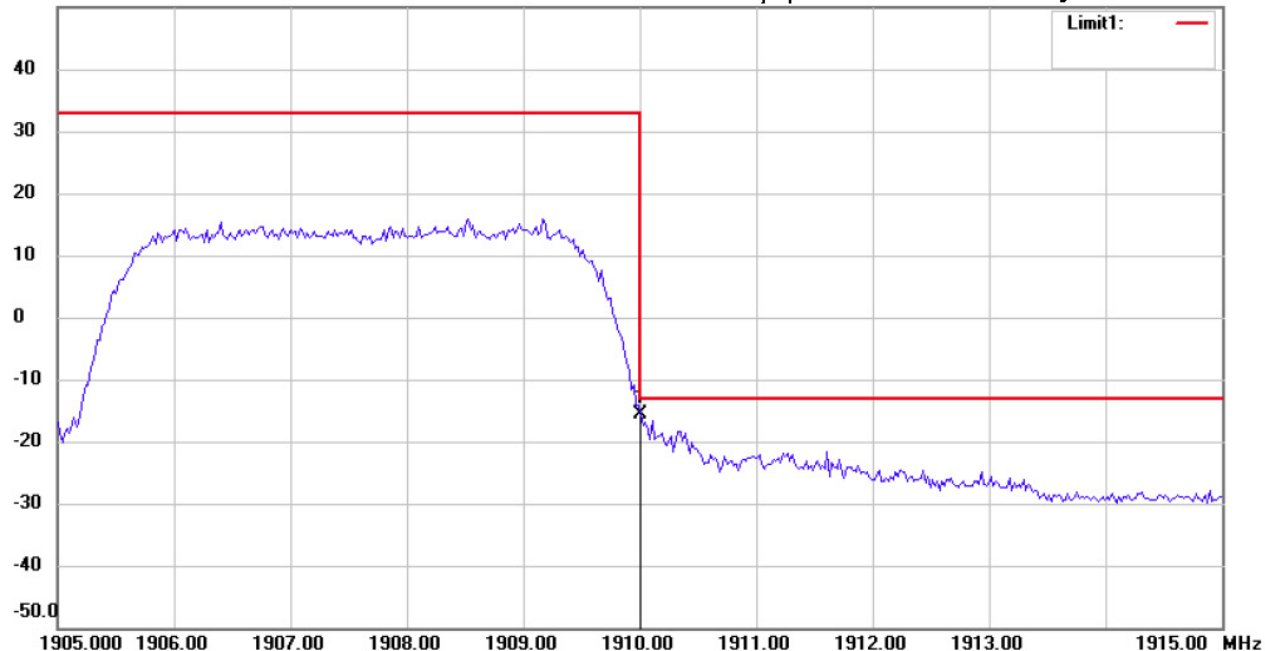
Date: 2018/9/3

Temperature:24 °C

50.0 dBm

Time: 下午 01:59:17

Humidity:60 %



Site : Chamber

Condition : FCC_part 24 Bandedge

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND2 CH9538

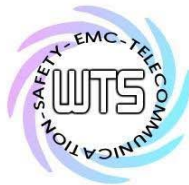
Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1910.000	-62.20	peak	46.66	-15.54	-13.00	150	260	-2.54	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

Band 4

Radiated Emission Measurement

Operator: Robert

File :CH1312

Data :#2

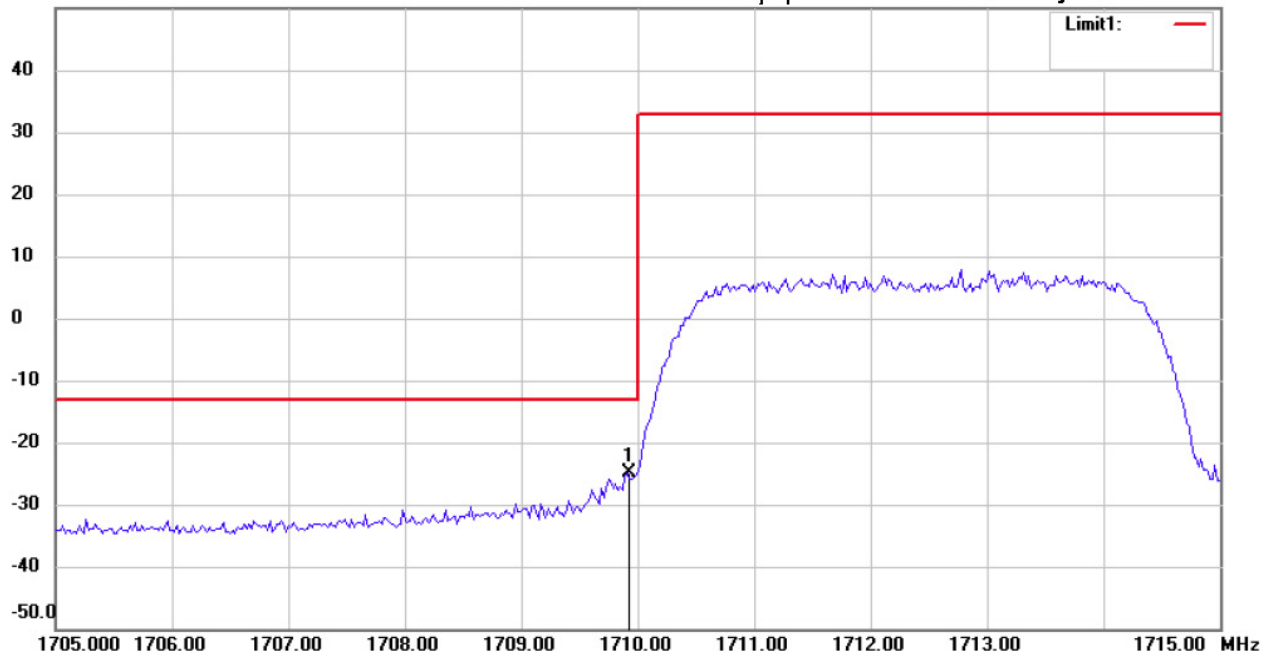
Date: 2018/9/3

Temperature:24 °C

50.0 dBm

Time: 下午 02:10:09

Humidity:60 %



Site : Chamber

Condition : FCC_part 24 Bandedge_Bnad4

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND4 CH1312

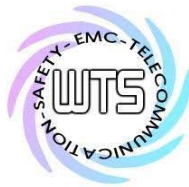
Note :

Polarization: *Horizontal*

Power : 120 V.a.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1709.910	-67.35	peak	42.38	-24.97	-13.00	150	100	-11.97	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

Radiated Emission Measurement

Operator: Robert

File :CH1312

Data :#1

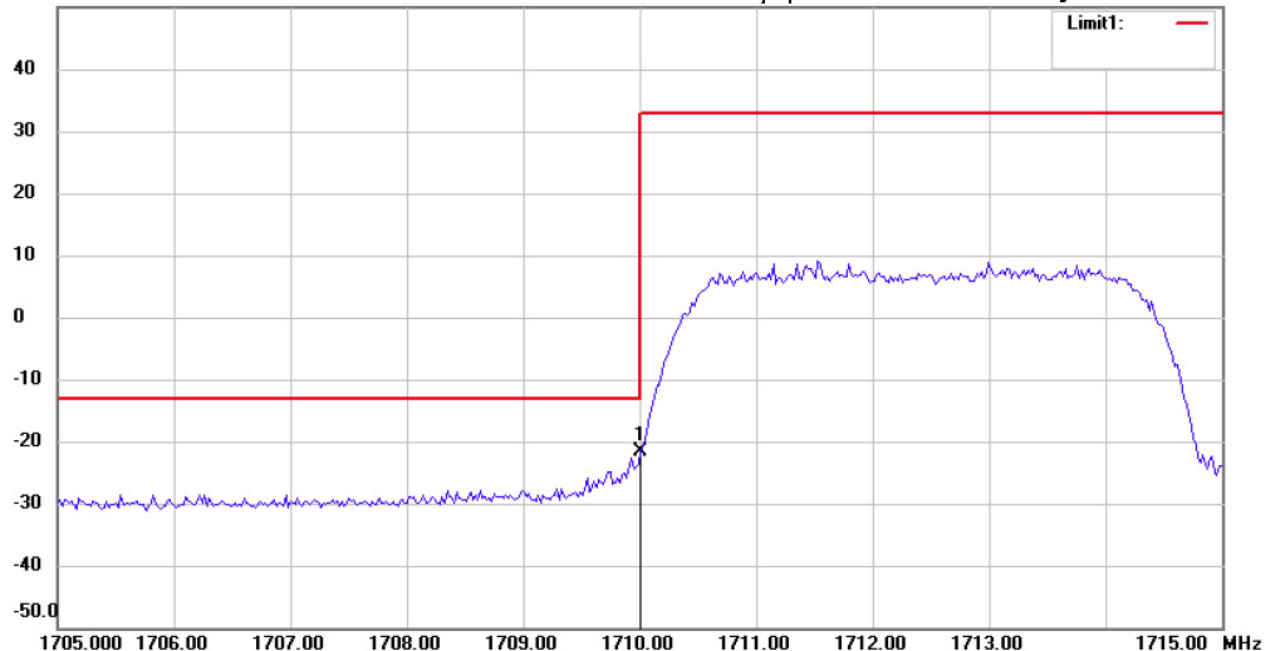
Date: 2018/9/3

Temperature:24 °C

50.0 dBm

Time: 下午 02:04:41

Humidity:60 %



Site : Chamber

Condition : FCC_part 24 Bandedge_Bnad4

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND4 CH1312

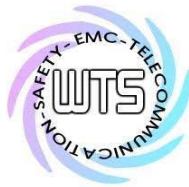
Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1710.000	-67.55	peak	45.83	-21.72	-13.00	150	260	-8.72	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

Radiated Emission Measurement

Operator: Robert

File :CH1513

Data :#2

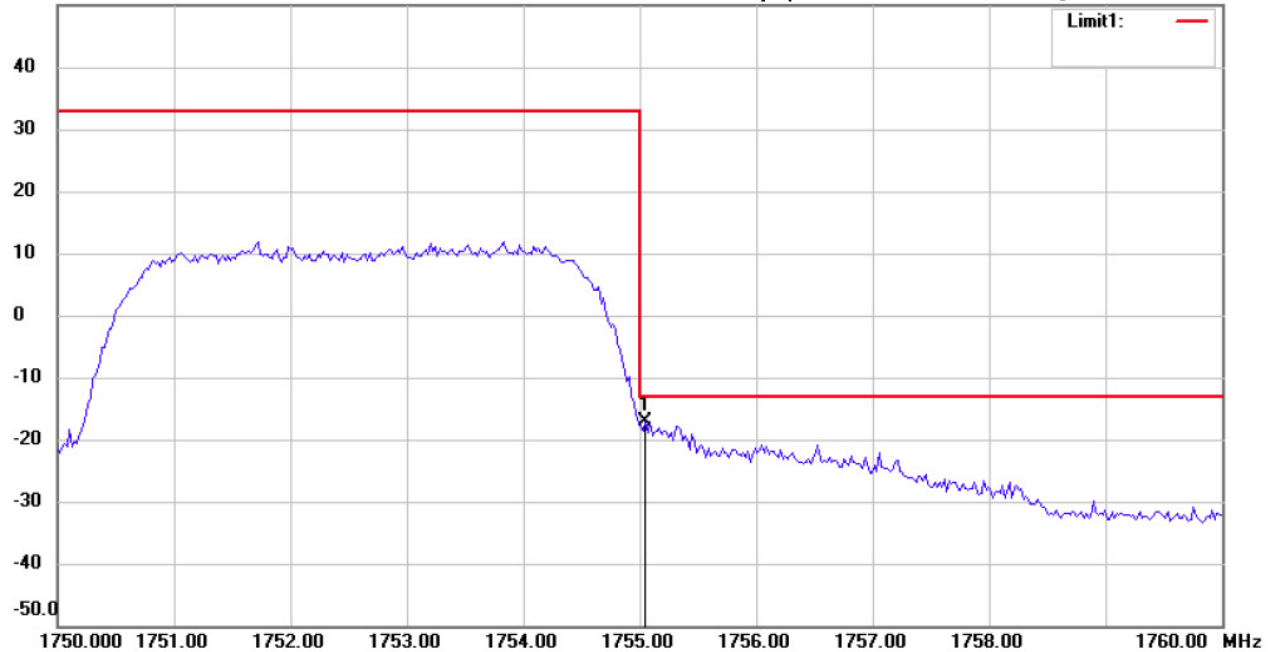
Date: 2018/9/3

Temperature:24 °C

50.0 dBm

Time: 下午 02:08:48

Humidity:60 %



Site : Chamber

Condition : FCC_part 24 Bandedge_Bnad4

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND4 CH1513

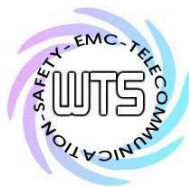
Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1755.050	-59.85	peak	42.79	-17.06	-13.00	150	100	-4.06	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

Radiated Emission Measurement

Operator: Robert

File :CH1513

Data :#1

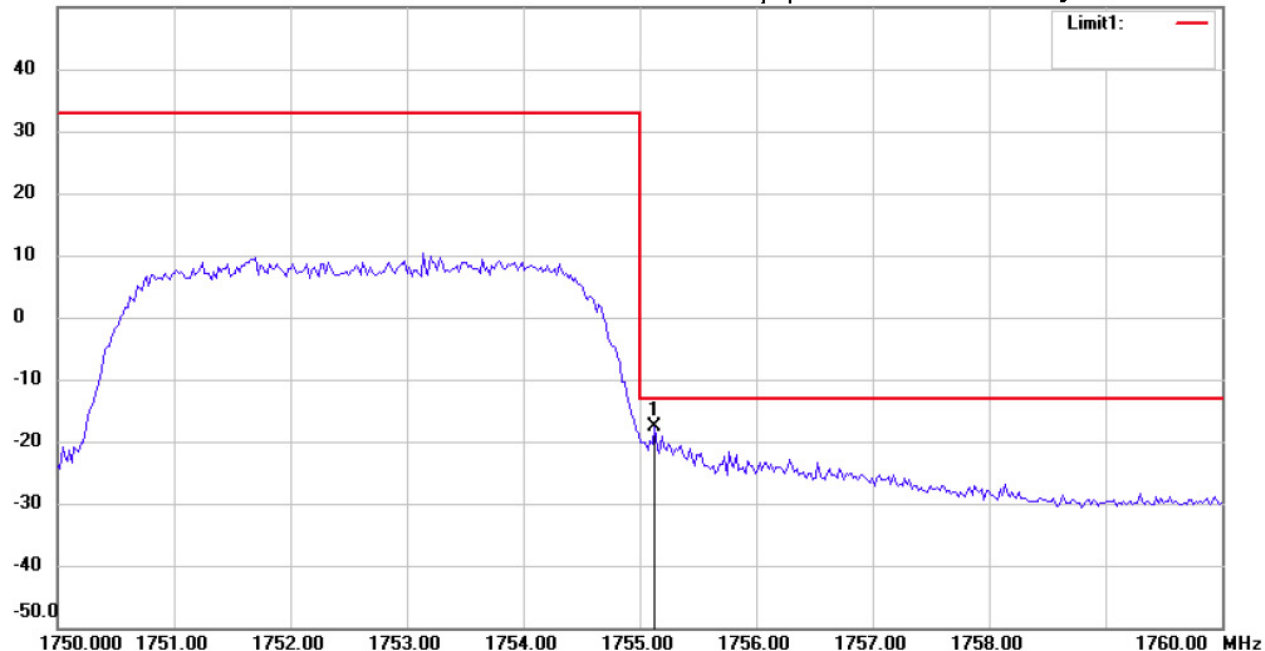
Date: 2018/9/3

Temperature:24 °C

50.0 dBm

Time: 下午 02:07:07

Humidity:60 %



Site : Chamber

Condition : FCC_part 24 Bandedge_Bnad4

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND4 CH1513

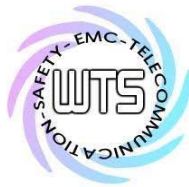
Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1755.130	-63.56	peak	46.02	-17.54	-13.00	150	260	-4.54	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

Band 5

Radiated Emission Measurement

Operator: Robert

File :CH4132

Data :#1

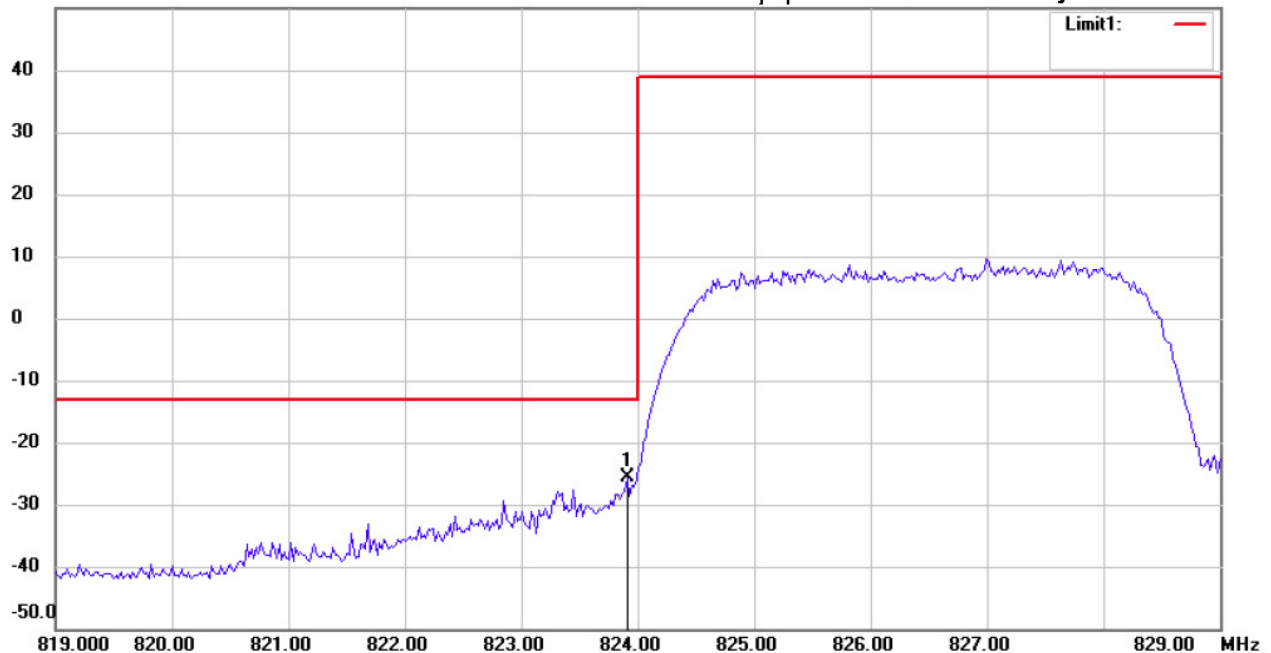
Date: 2018/9/3

Temperature:24 °C

50.0 dBm

Time: 下午 02:23:28

Humidity:60 %



Site : Chamber

Condition : FCC_part 22 Bandedge

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND5 CH4132

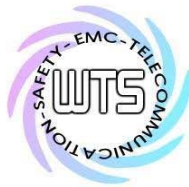
Polarization: *Horizontal*

Power : 120 V.a.c.

Distance: 3m

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	823.9098	-61.59	peak	35.96	-25.63	-13.00	150	100	-12.63	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

Radiated Emission Measurement

Operator: Robert

File :CH4132

Data :#2

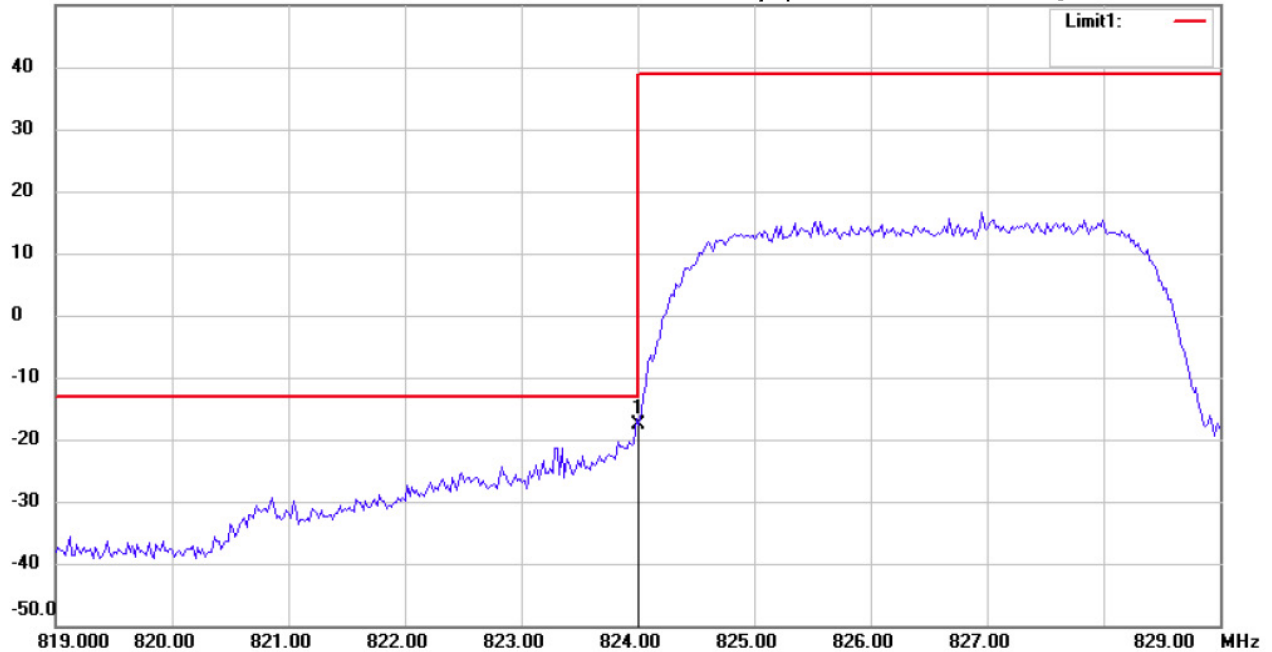
Date: 2018/9/3

Temperature:24 °C

50.0 dBm

Time: 下午 02:31:44

Humidity:60 %



Site : Chamber

Condition : FCC_part 22 Bandedge

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND5 CH4132

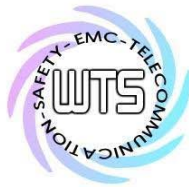
Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	824.0000	-53.48	peak	35.90	-17.58	-13.00	150	260	-4.58	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

Radiated Emission Measurement

Operator: Robert

File :CH4233

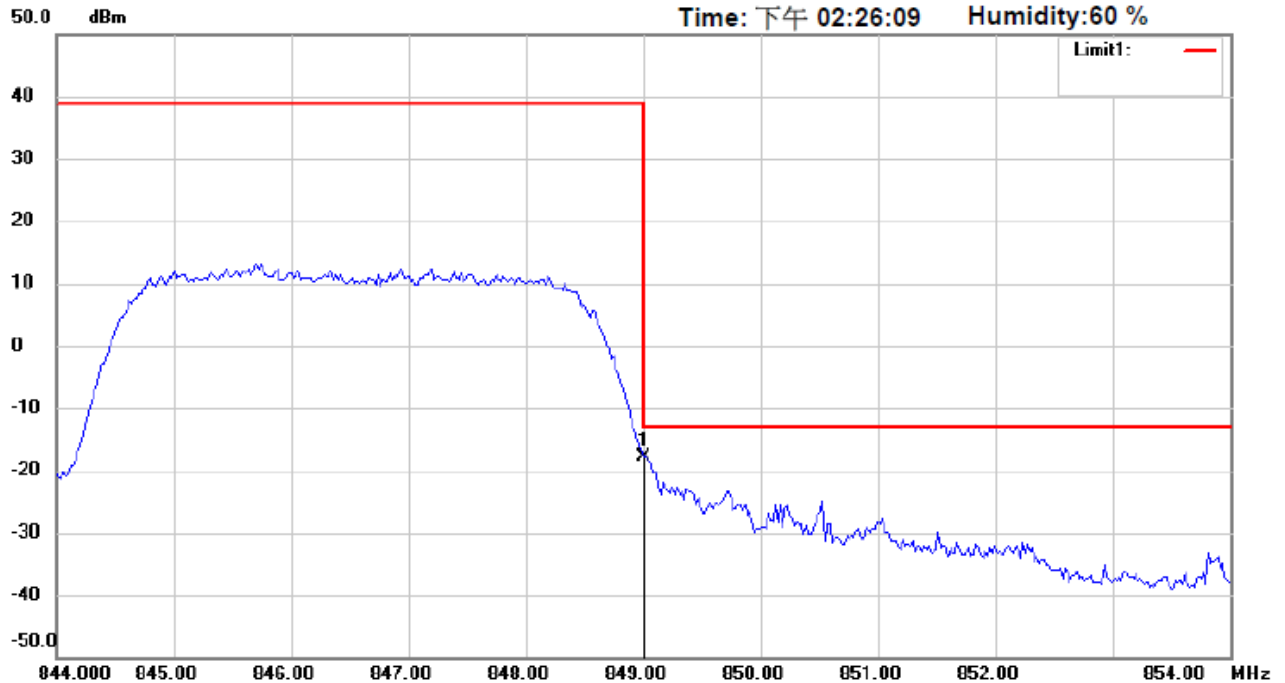
Data :#1

Date: 2018/9/3

Temperature:24 °C

Time: 下午 02:26:09

Humidity:60 %



Site : Chamber

Condition : FCC_part 22 Bandedge

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND5 CH4233

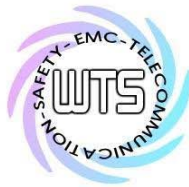
Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	849.0000	-54.22	peak	36.41	-17.81	-13.00	150	100	-4.81	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

Radiated Emission Measurement

Operator: Robert

File :CH4233

Data :#2

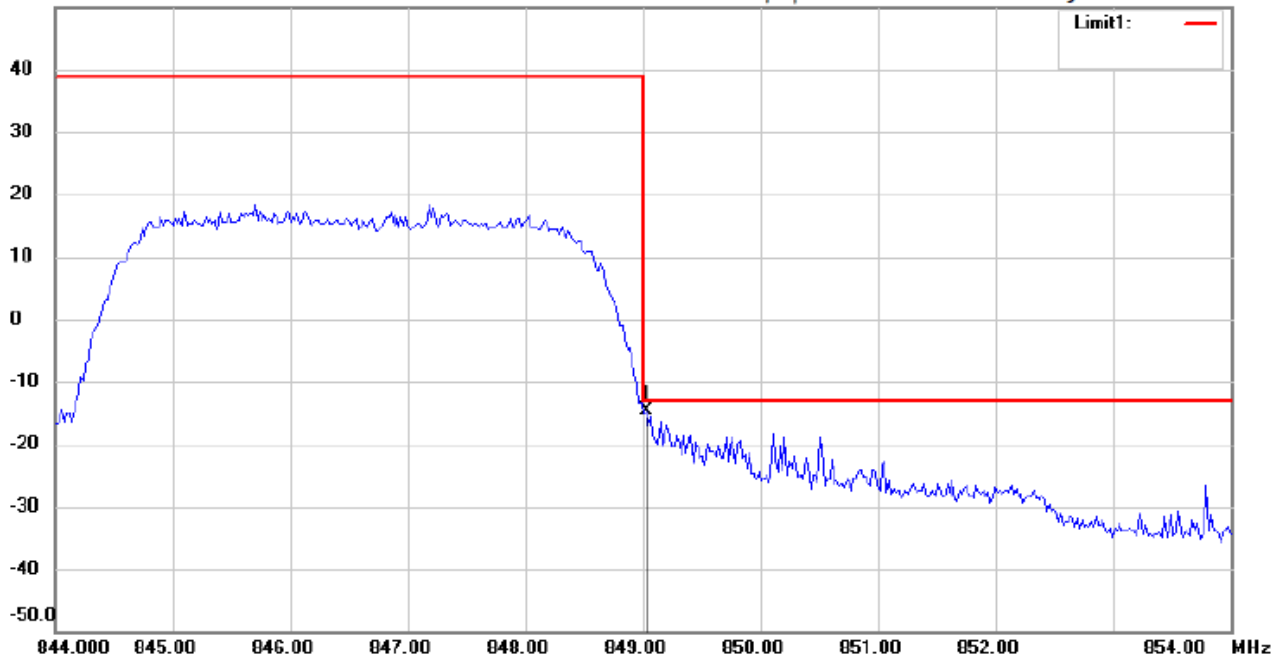
Date: 2018/9/3

Temperature:24 °C

50.0 dBm

Time: 下午 02:29:25

Humidity:60 %



Site : Chamber

Condition : FCC_part 22 Bandedge

EUT : W6M21808-18353

M/N:

Test Mode : WCDMA BAND5 CH4233

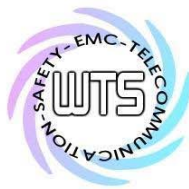
Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	849.0301	-51.32	peak	36.74	-14.58	-13.00	150	40	-1.58	



Worldwide Testing Services(Taiwan) Co., Ltd.

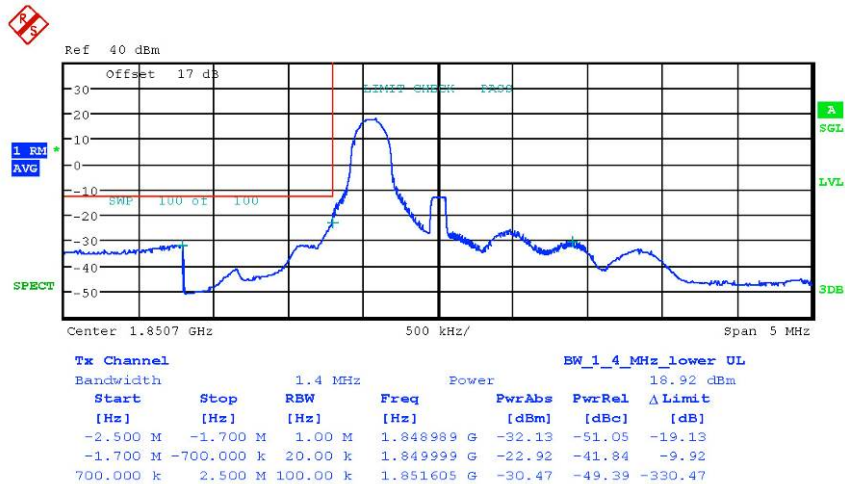
Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

LTE

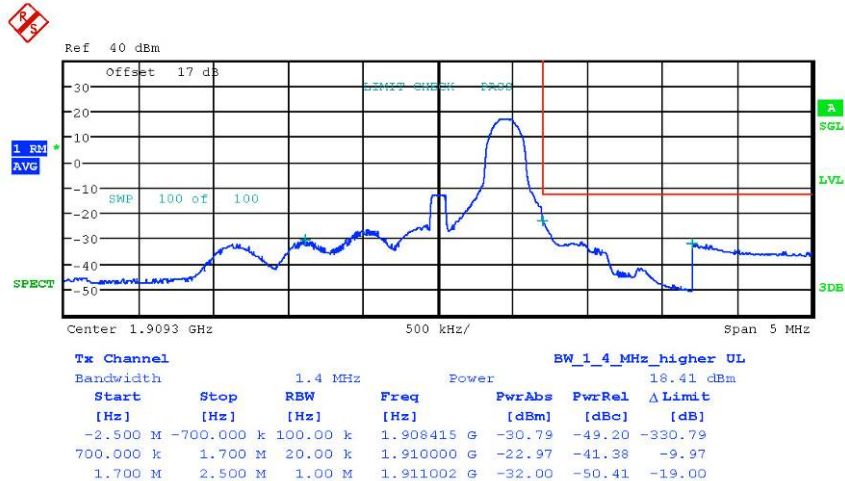
Band 2

1.4 MHz QPSK



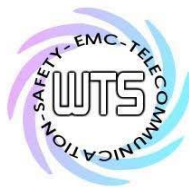
Bandedge Band2 QPSK 1RB 1.4MHz CH18607

Date: 17.SEP.2018 16:16:51



Bandedge Band2 QPSK 1RB 1.4MHz CH19193

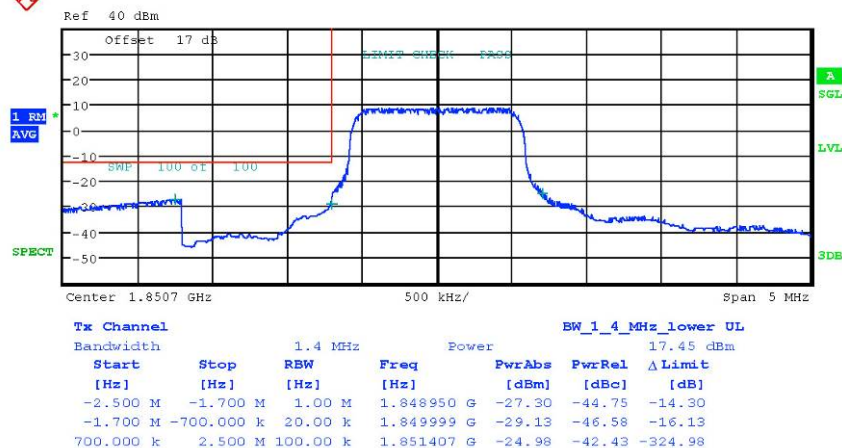
Date: 17.SEP.2018 17:50:04



Worldwide Testing Services(Taiwan) Co., Ltd.

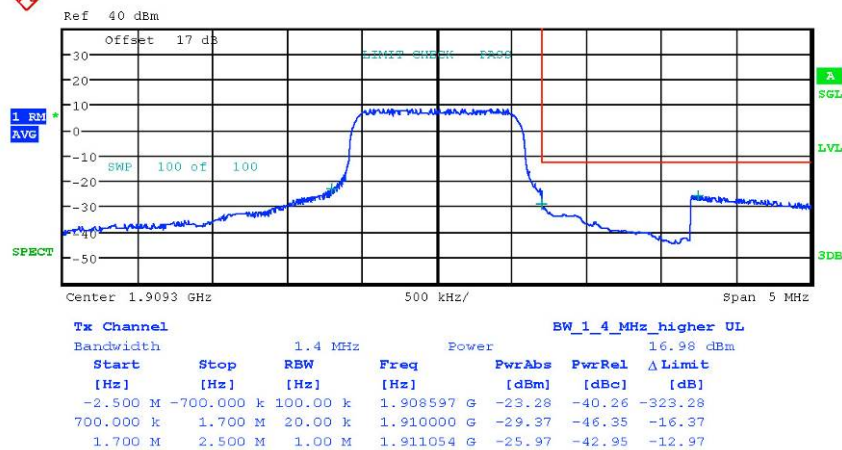
Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA



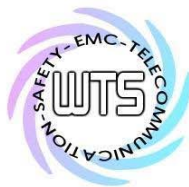
Bandedge Band2 QPSK FRB 1.4MHz CH18607

Date: 17.SEP.2018 16:14:28



Bandedge Band2 QPSK FRB 1.4MHz CH19193

Date: 17.SEP.2018 17:52:06

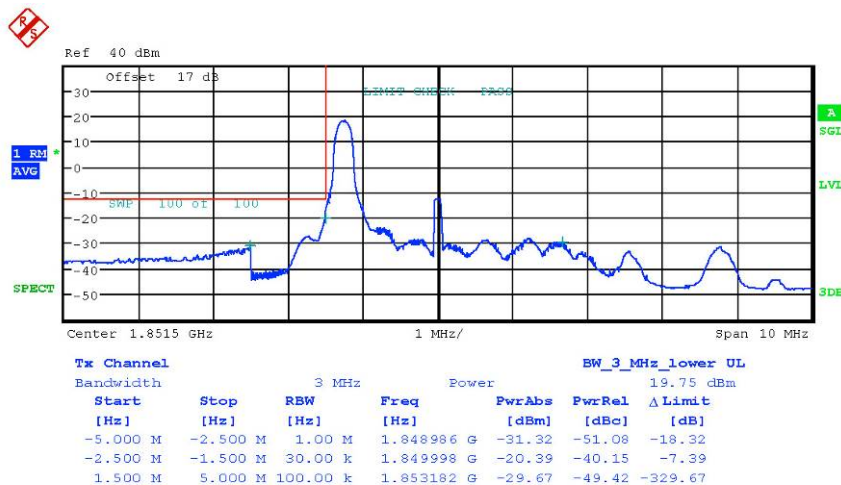


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA

3 MHz QPSK



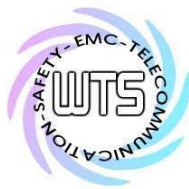
Bandedge Band2 QPSK 1RB 3MHz CH18615

Date: 17.SEP.2018 10:58:41



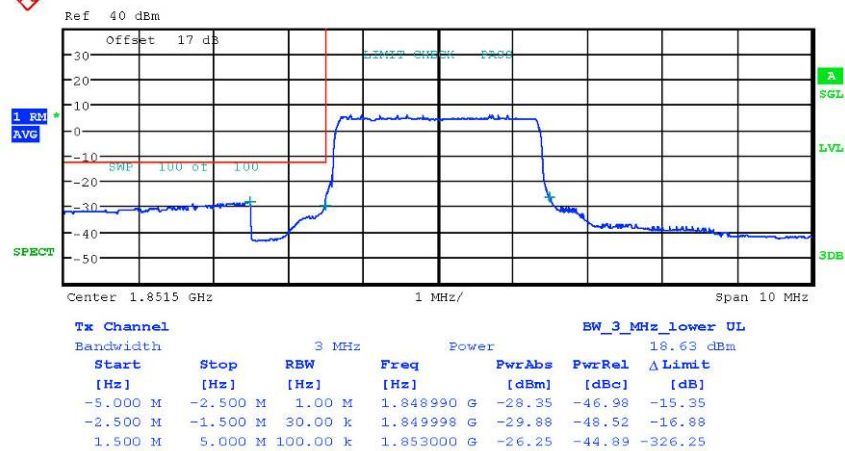
Bandedge Band2 QPSK 1RB 3MHz CH19185

Date: 17.SEP.2018 11:33:17



Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA



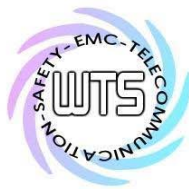
Bandedge Band2 QPSK FRB 3MHz CH18615

Date: 17.SEP.2018 10:59:59



Bandedge Band2 QPSK FRB 3MHz CH19185

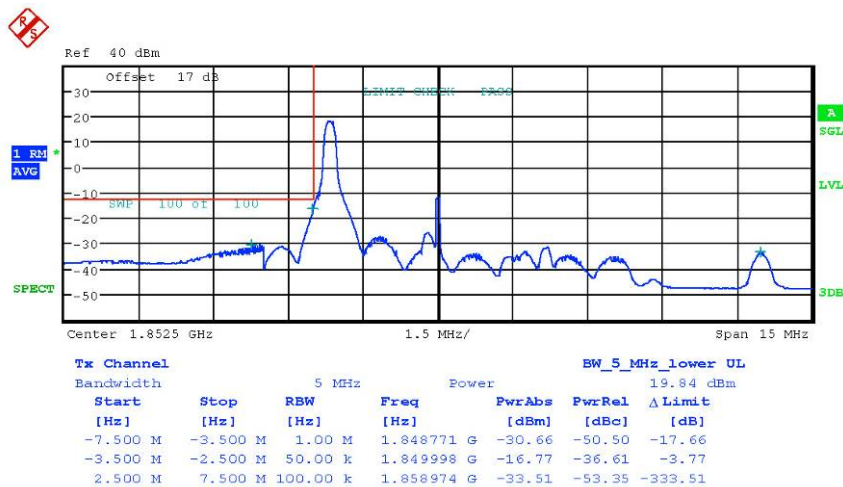
Date: 17.SEP.2018 11:34:37



Report Number: W6M21808-18353-P-247

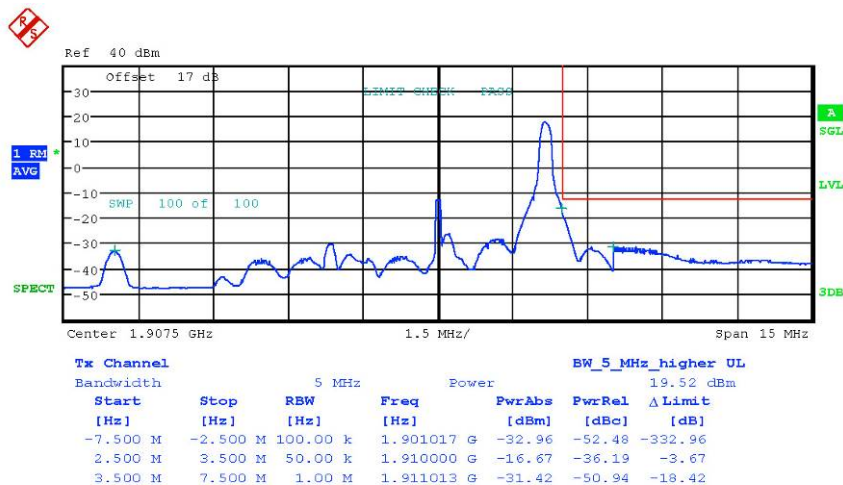
FCC ID: 2ARGFIOTA

5 MHz QPSK



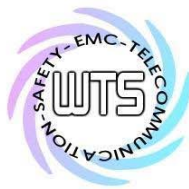
Bandedge Band2 QPSK 1RB 5MHz CH18625

Date: 17.SEP.2018 14:06:26



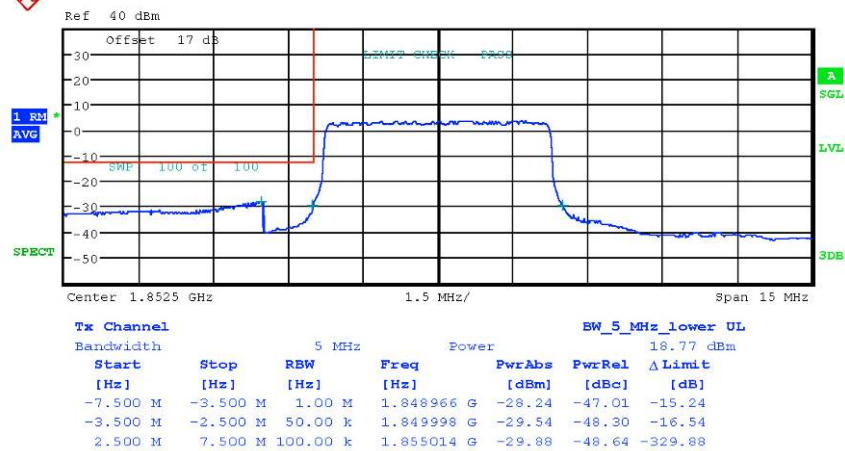
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Date: 17.SEP.2018 15:28:03



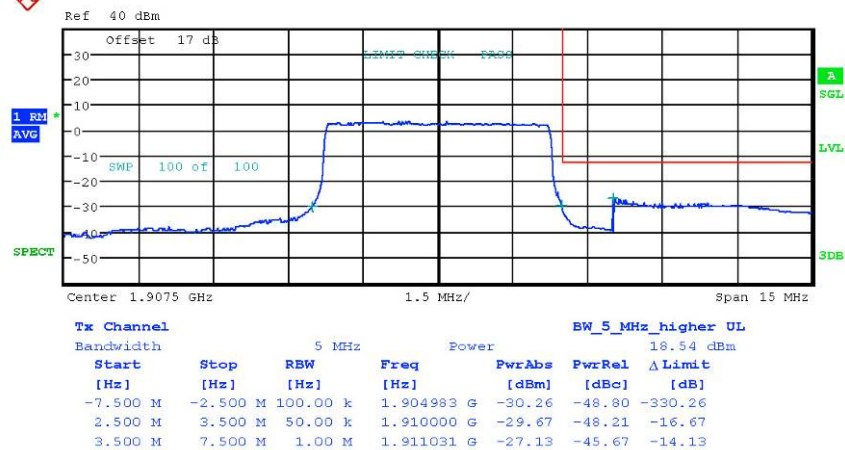
Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA



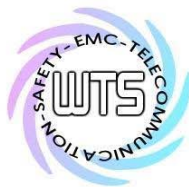
Bandedge Band2 QPSK FRB 5MHz CH18625

Date: 17.SEP.2018 14:05:21



Bandedge Band2 QPSK FRB 5MHz CH19175

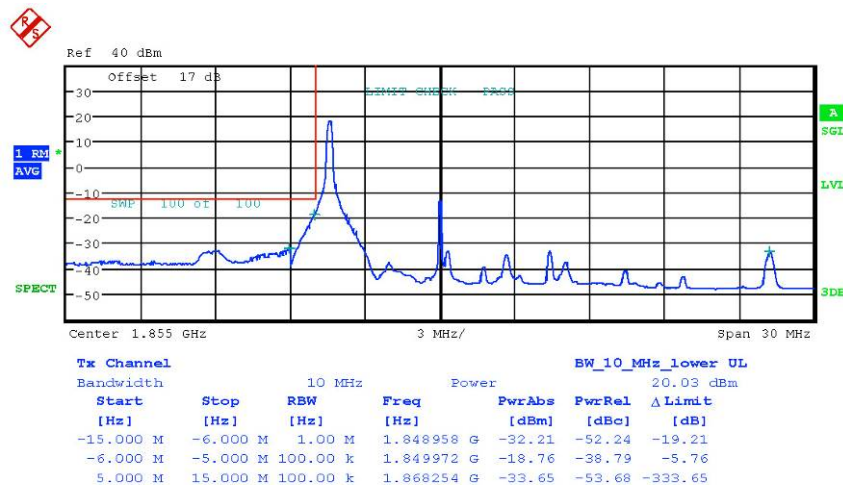
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Report Number: W6M21808-18353-P-247

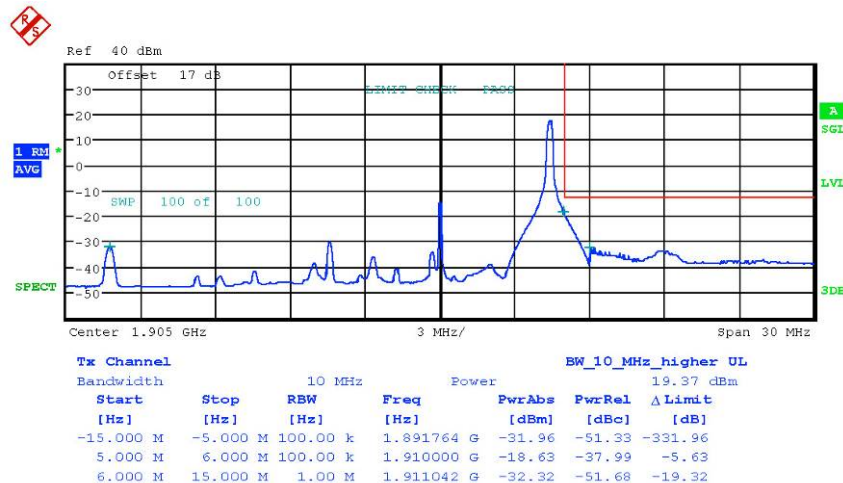
FCC ID: 2ARGFIOTA

10 MHz QPSK



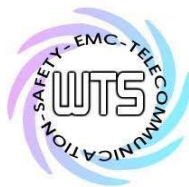
Bandedge Band2 QPSK 1RB 10MHz CH18650

Date: 17.SEP.2018 16:12:17



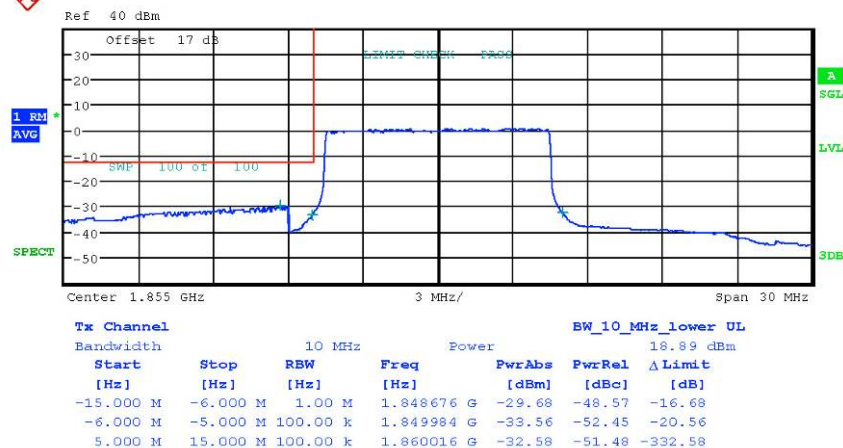
Bandedge Band2 QPSK 1RB 10MHz CH19150

Date: 17.SEP.2018 17:07:01



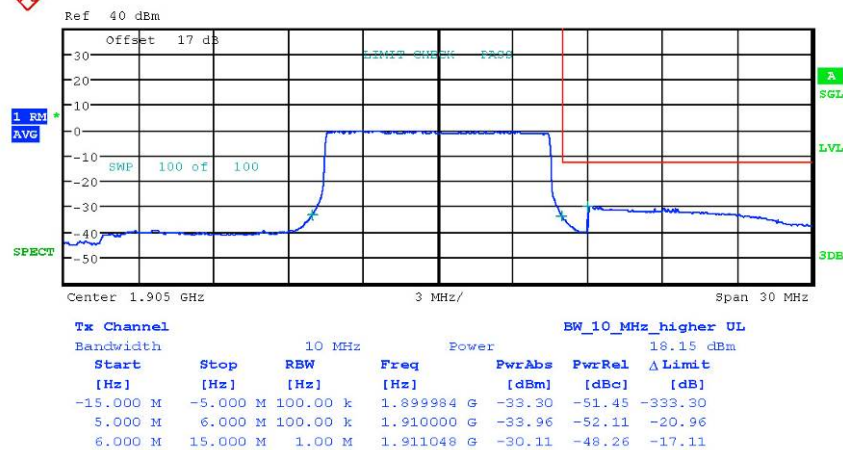
Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA



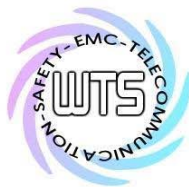
Bandedge Band2 QPSK FRB 10MHz CH18650

Date: 17.SEP.2018 16:10:55



Bandedge Band2 QPSK FRB 10MHz CH19150

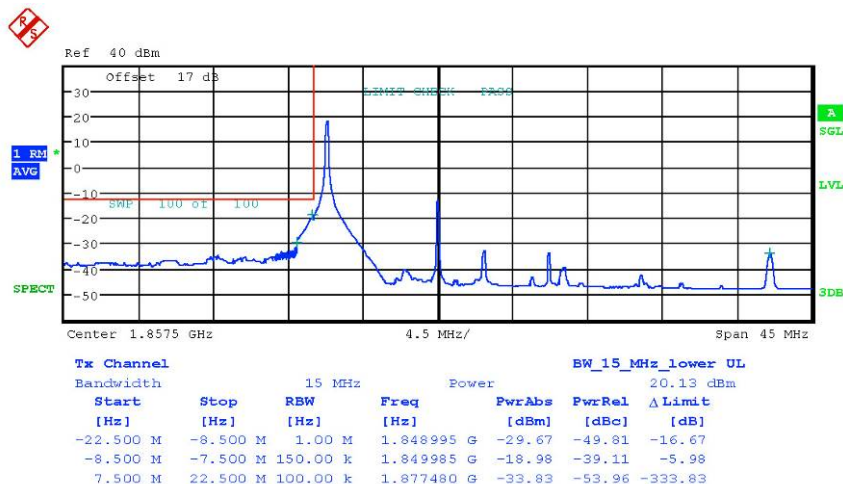
Date: 17.SEP.2018 17:08:25



Report Number: W6M21808-18353-P-247

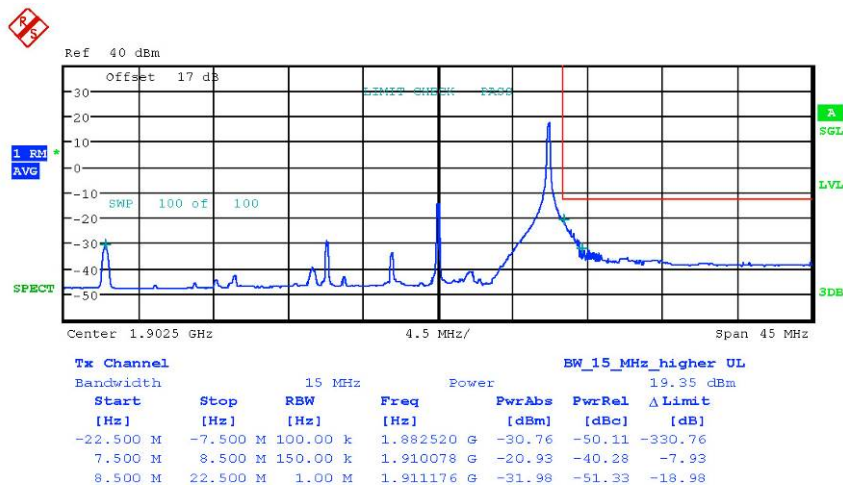
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15 MHz QPSK



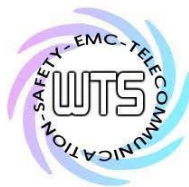
Bandedge Band2 QPSK 1RB 15MHz CH18675

Date: 17.SEP.2018 17:17:41



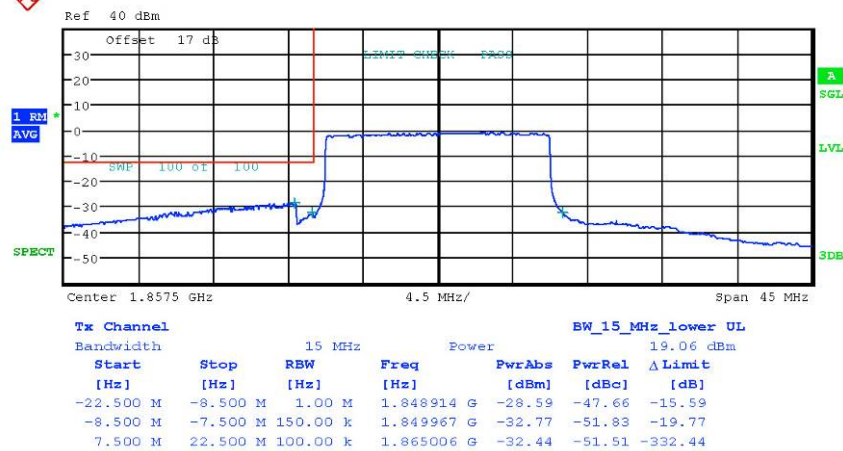
Bandedge Band2 QPSK 1RB 15MHz CH19125

Date: 17.SEP.2018 17:49:17



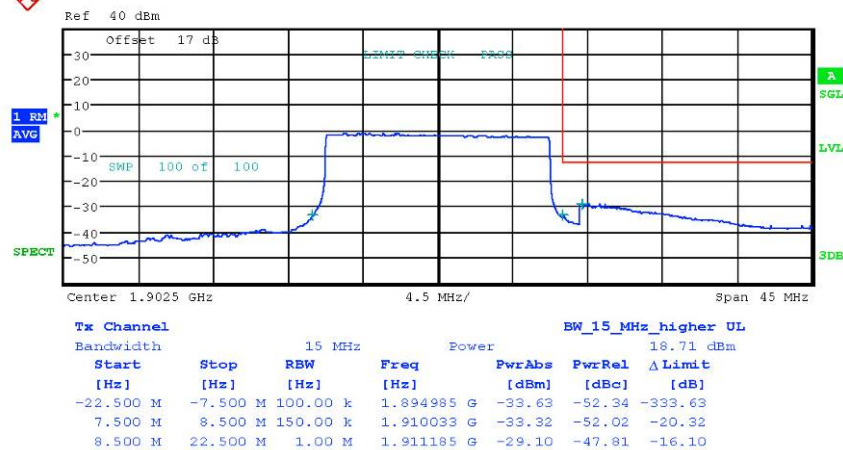
Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA



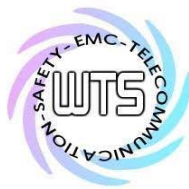
Bandedge Band2 QPSK FRB 15MHz CH18675

Date: 17.SEP.2018 17:15:59



Bandedge Band2 QPSK FRB 15MHz CH19125

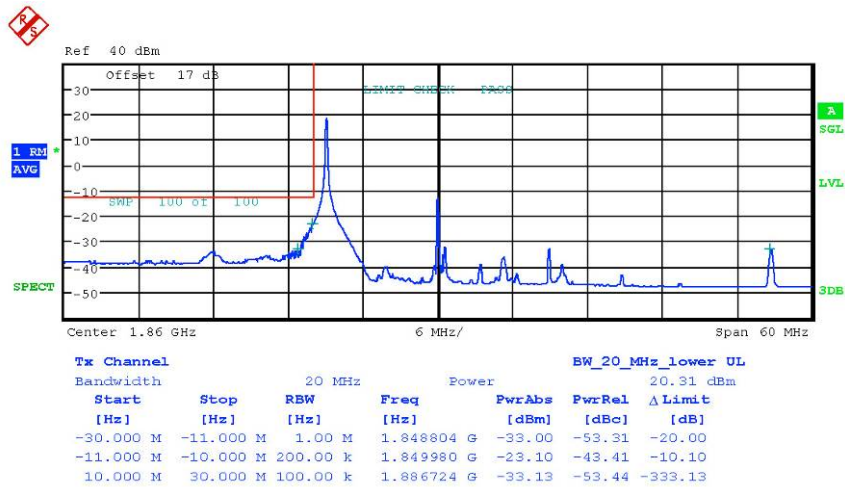
Date: 17.SEP.2018 17:50:59



Report Number: W6M21808-18353-P-247

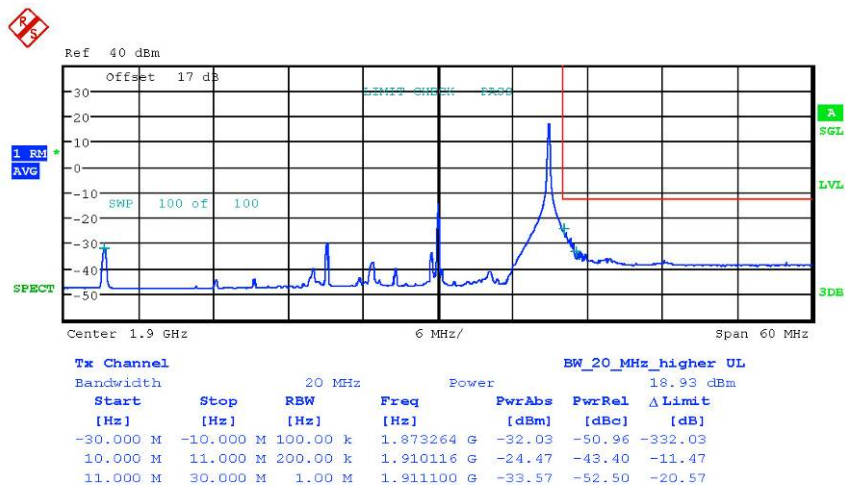
FCC ID: 2ARGFIOTA

20 MHz QPSK



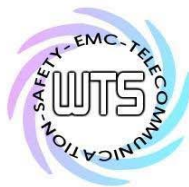
Bandedge Band2 QPSK 1RB 20MHz CH18700

Date: 17.SEP.2018 17:59:16



Bandedge Band2 QPSK 1RB 20MHz CH19100

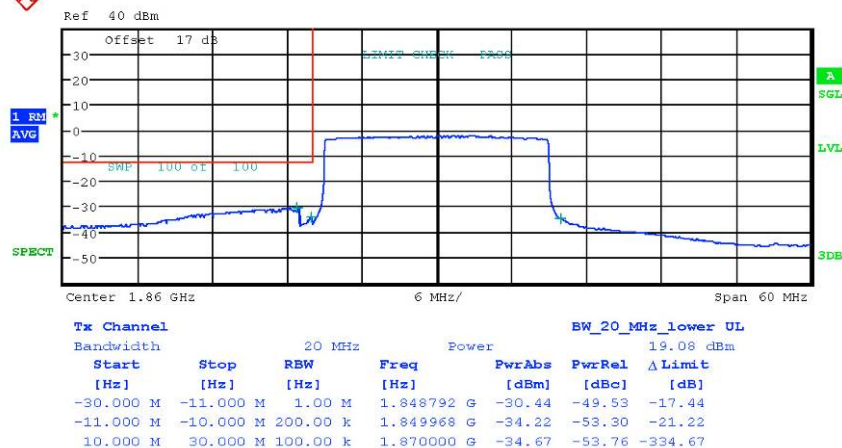
Date: 17.SEP.2018 18:35:12



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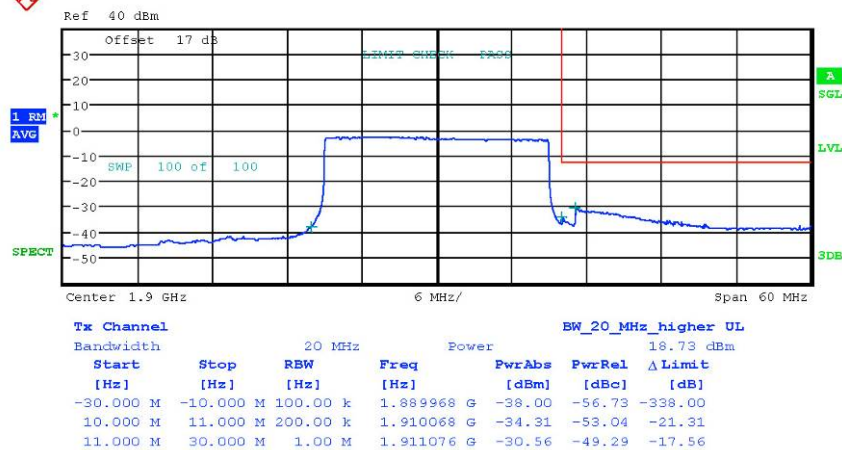
Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA



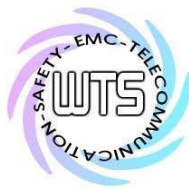
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Date: 17.SEP.2018 17:57:11



Bandedge Band2 QPSK FRB 20MHz CH19100

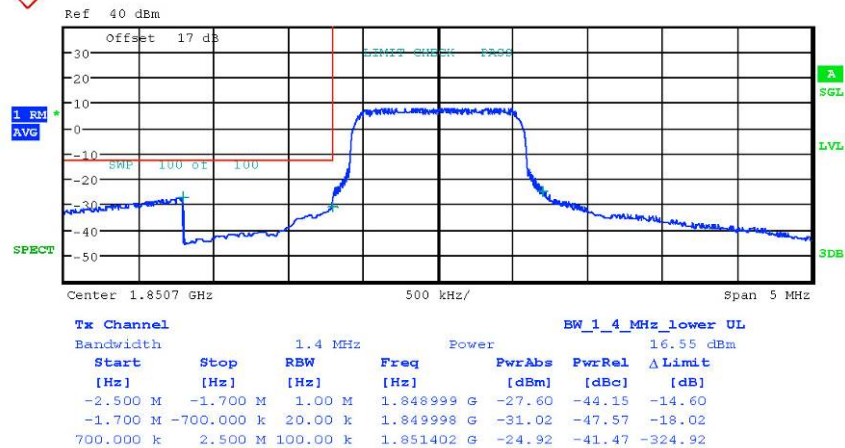
Date: 17.SEP.2018 18:37:16



Report Number: W6M21808-18353-P-247

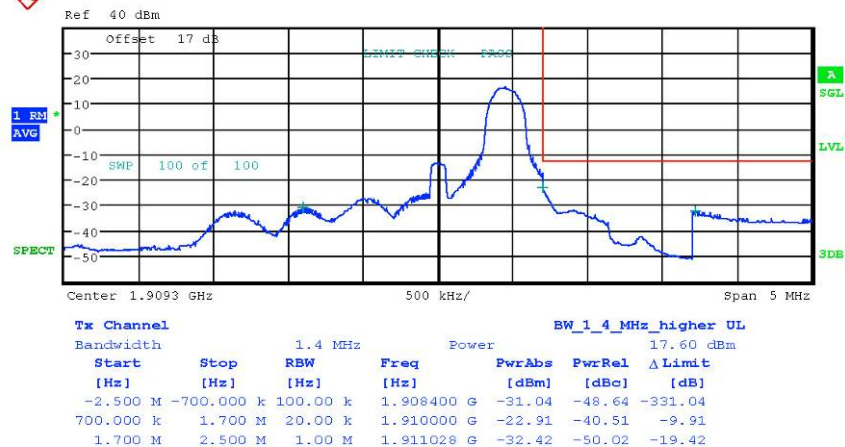
FCC ID: 2ARGFIOTA

1.4 MHz 16QAM



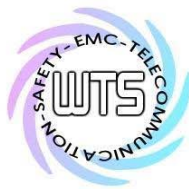
Bandedge Band2 16QAM FRB 1.4MHz CH18607

Date: 17.SEP.2018 16:11:13



Bandedge Band2 16QAM 1RB 1.4MHz CH19193

Date: 17.SEP.2018 17:47:28



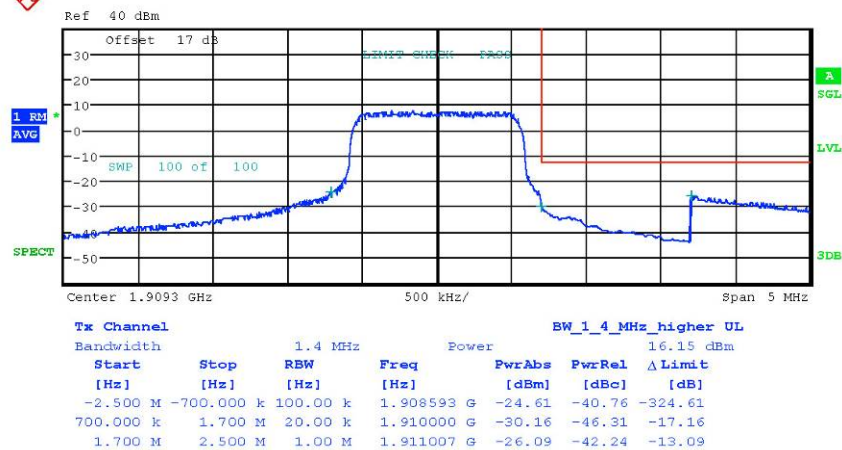
Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA



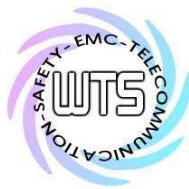
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Date: 17.SEP.2018 16:09:27



Bandedge Band2 16QAM FRB 1.4MHz CH19193

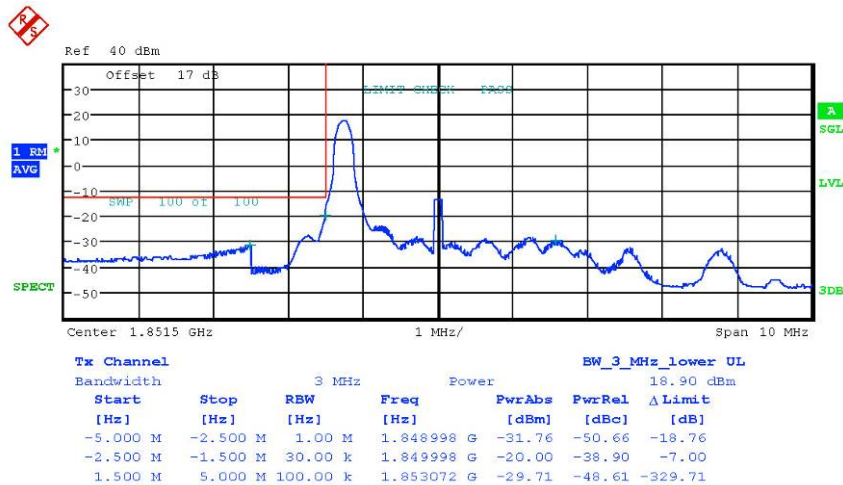
Date: 17.SEP.2018 17:45:44



Report Number: W6M21808-18353-P-247

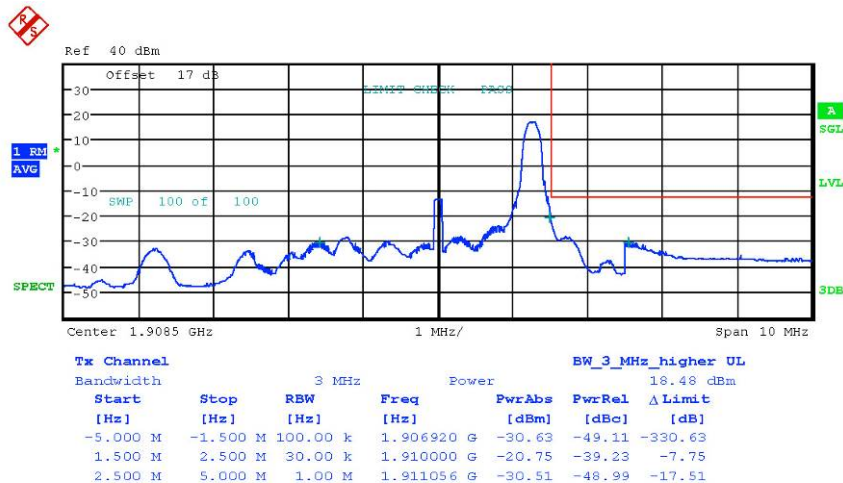
FCC ID: 2ARGFIOTA

3 MHz 16QAM



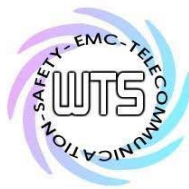
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Date: 17.SEP.2018 11:02:27



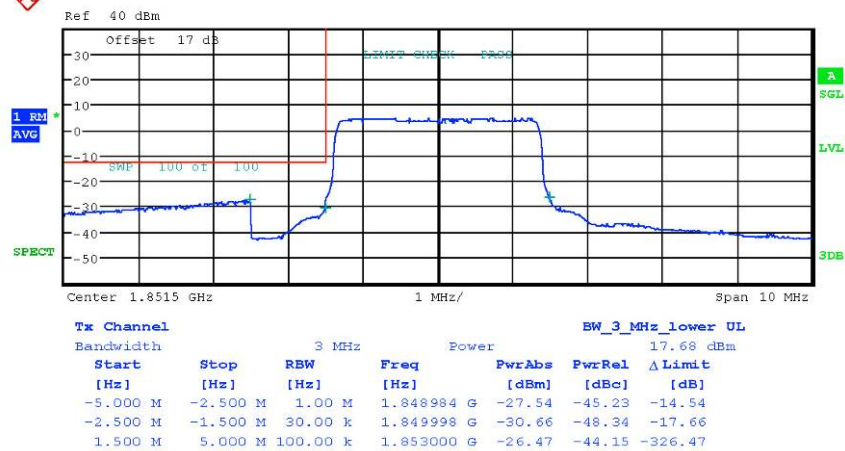
Bandedge Band2 16QAM 1RB 3MHz CH19185

Date: 17.SEP.2018 11:37:14



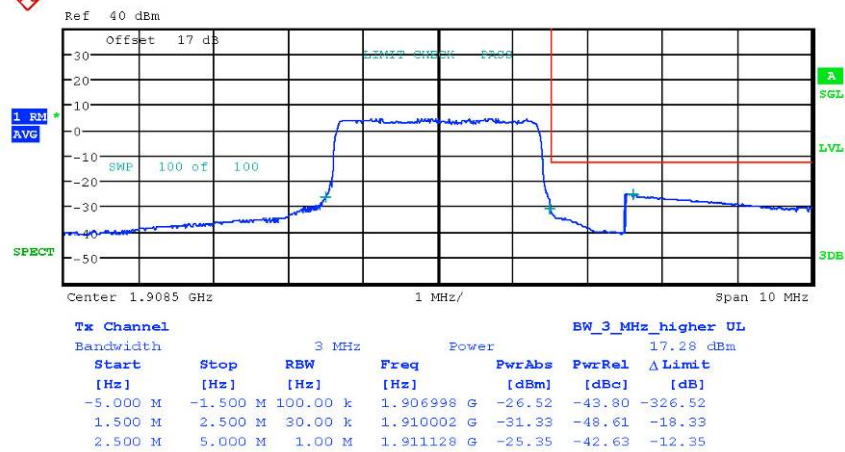
Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA



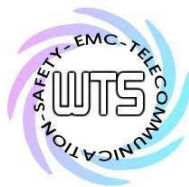
Bandedge Band2 16QAM FRB 3MHz CH18615

Date: 17.SEP.2018 11:01:16



Bandedge Band2 16QAM FRB 3MHz CH19185

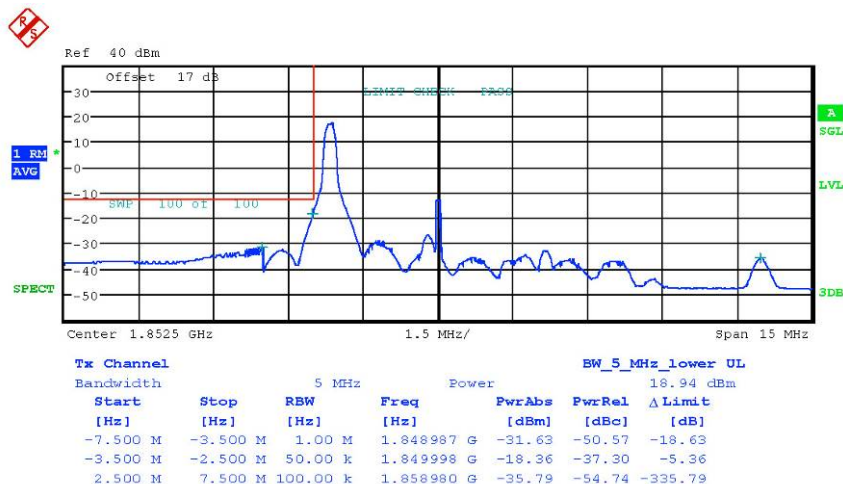
Date: 17.SEP.2018 11:36:03



Report Number: W6M21808-18353-P-247

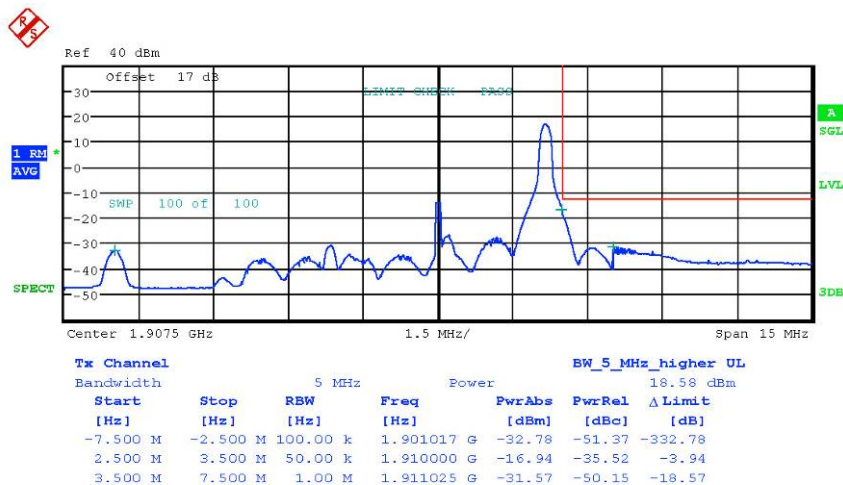
FCC ID: 2ARGFIOTA

5 MHz 16QAM



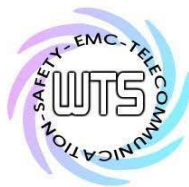
Bandedge Band2 16QAM 1RB 5MHz CH18625

Date: 17.SEP.2018 14:07:35



Bandedge Band2 16QAM 1RB 5MHz CH19175

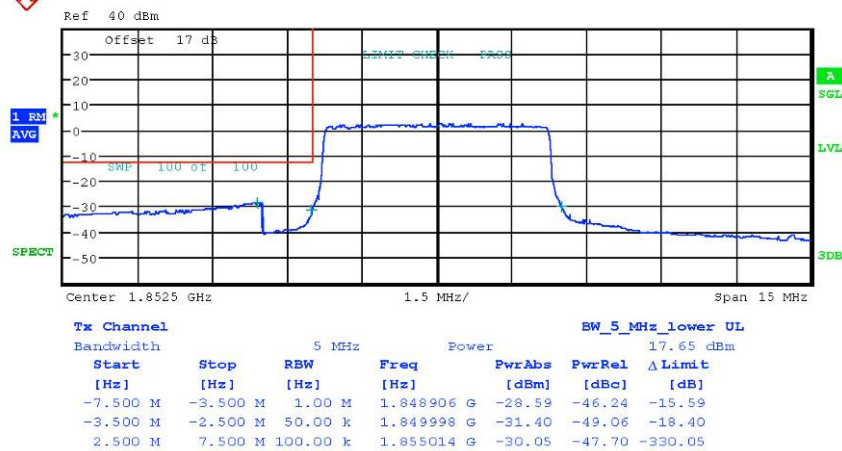
Date: 17.SEP.2018 15:29:29



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Report Number: W6M21808-18353-P-247

FCC ID: 2ARGFIOTA



Bandedge Band2 16QAM FRB 5MHz CH18625

Date: 17.SEP.2018 14:08:39



Bandedge Band2 16QAM FRB 5MHz CH19175

Date: 17.SEP.2018 15:30:52