

Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

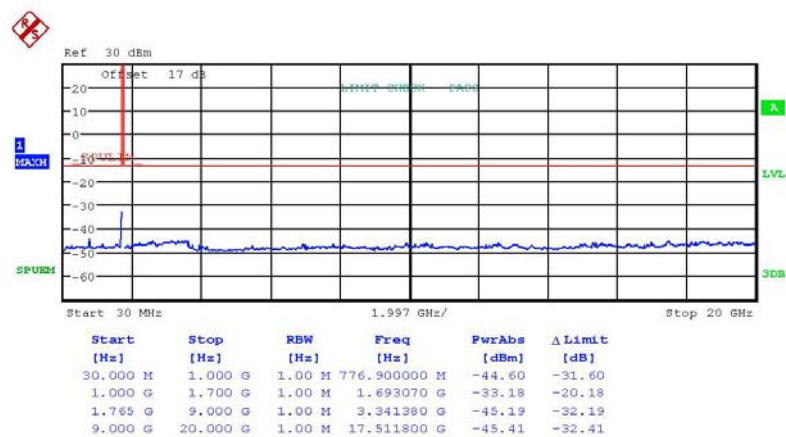
FCC ID: GX9FPHUB1



CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB#0 5MHZ CH20375

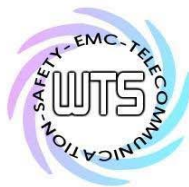
Date: 17.AUG.2017 14:10:35

10 MHz 16QAM



CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB#0 10MHZ CH20000

Date: 17.AUG.2017 14:23:32



Worldwide Testing Services(Taiwan) Co., Ltd.

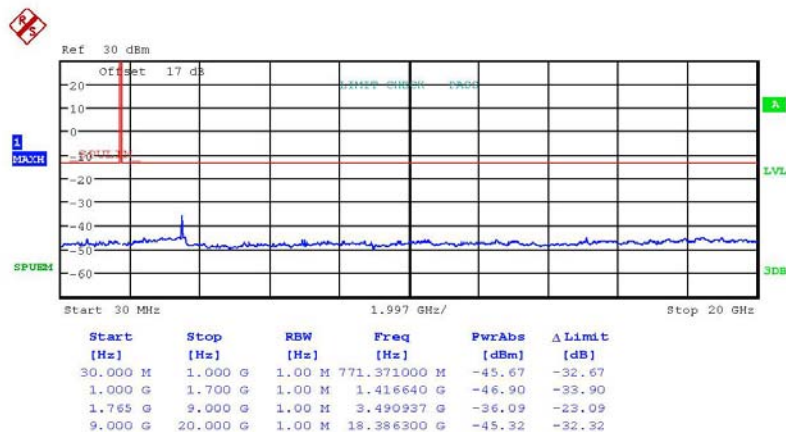
Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1



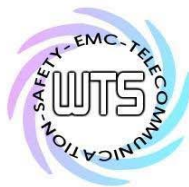
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Date: 17.AUG.2017 14:22:50



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Date: 17.AUG.2017 14:16:17

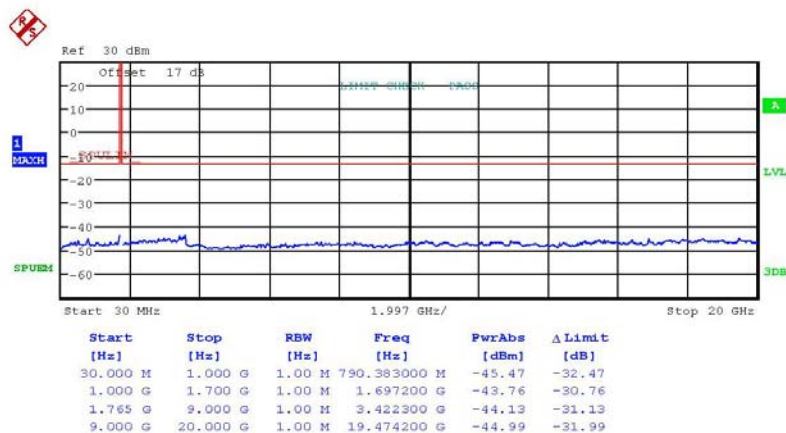


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

15 MHz 16QAM



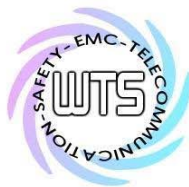
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Date: 17.AUG.2017 14:24:34



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Date: 17.AUG.2017 14:27:56



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1



CONDUCTED SPURIOUS EMISSION BAND4 16QAM 1RB#0 15MHZ CH20325

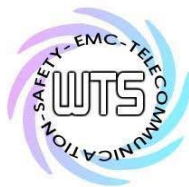
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20 MHz 16QAM



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Date: 17.AUG.2017 14:37:31



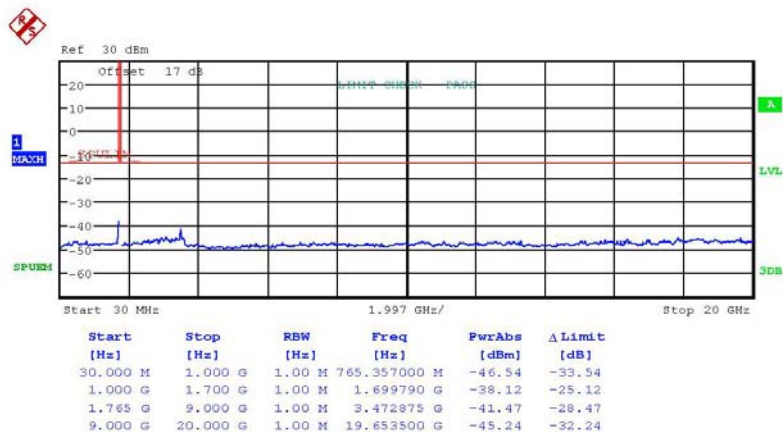
Report Number: W6R21805-18133-P-247

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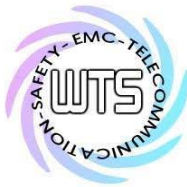
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Date: 17.AUG.2017 14:36:57



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Date: 17.AUG.2017 14:36:19



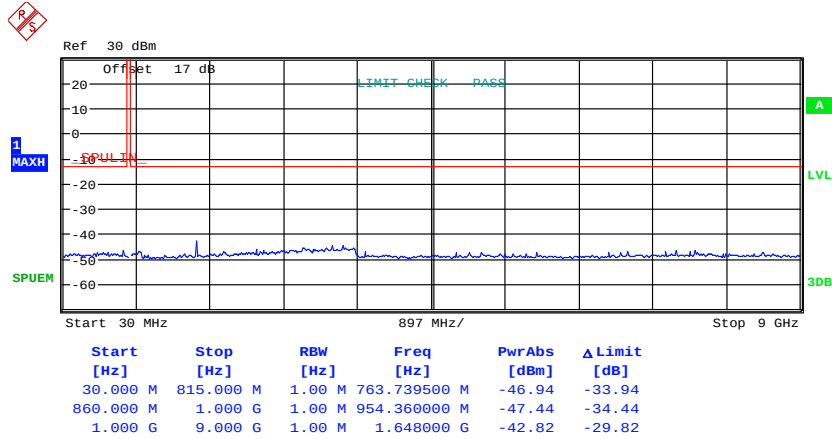
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

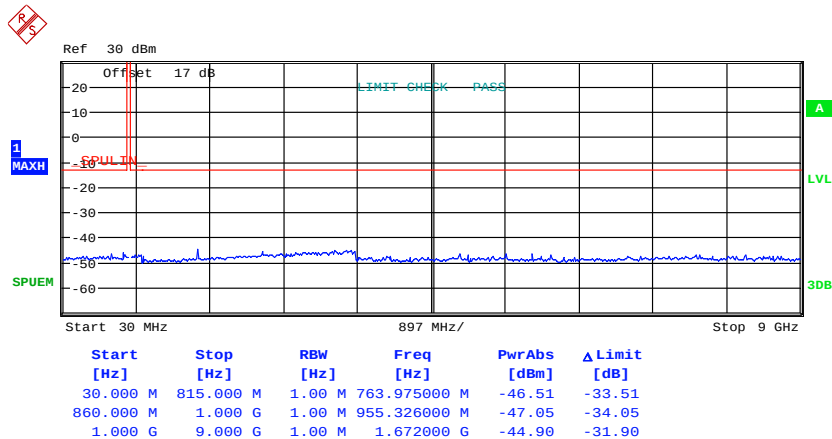
Band 5

1.4 MHz QPSK



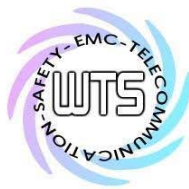
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Date: 17.AUG.2017 15:18:30



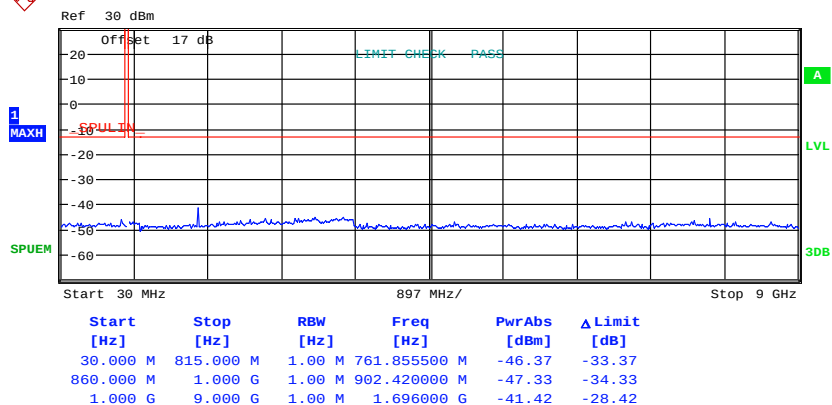
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Date: 17.AUG.2017 15:18:01



Report Number: W6R21805-18133-P-247

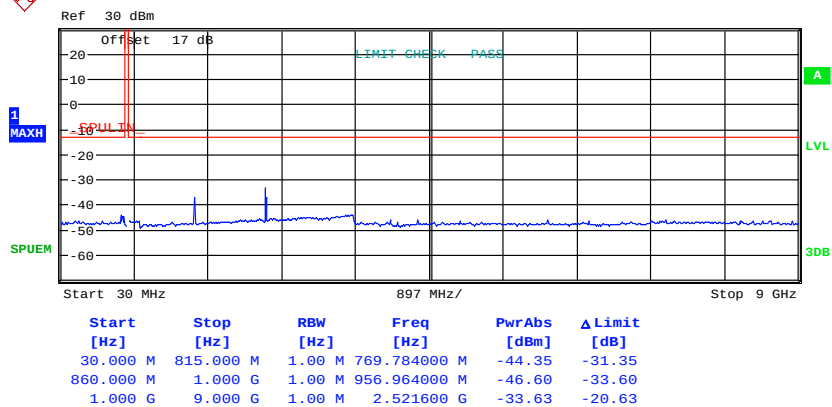
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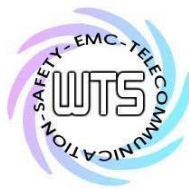
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3 MHz QPSK



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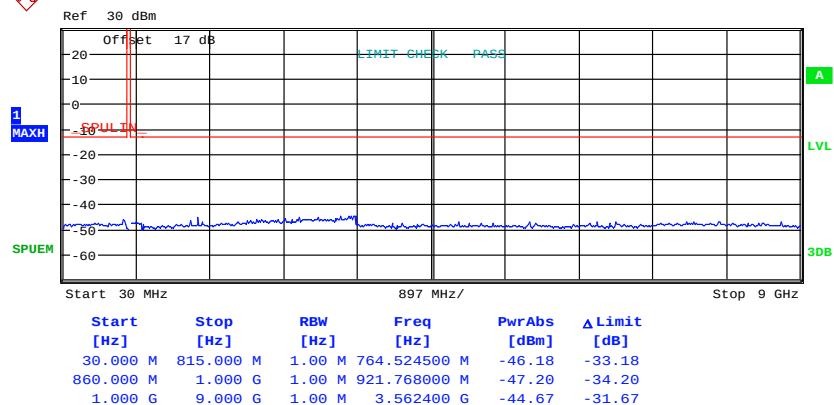
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Worldwide Testing Services(Taiwan) Co., Ltd.

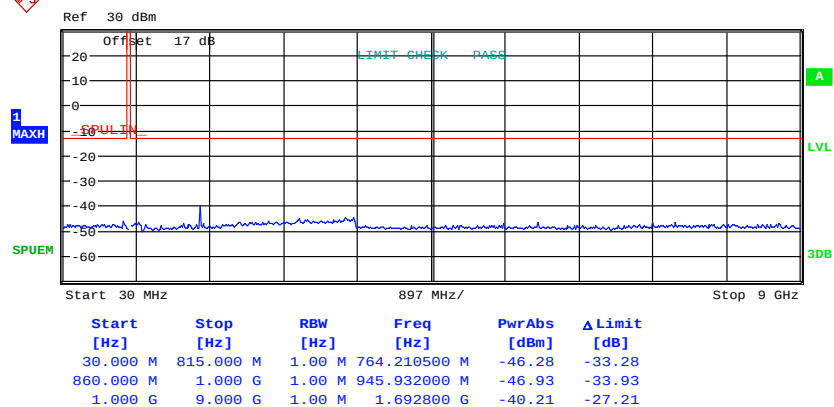
Report Number: W6R21805-18133-P-247

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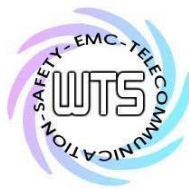
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Date: 17.AUG.2017 15:22:23



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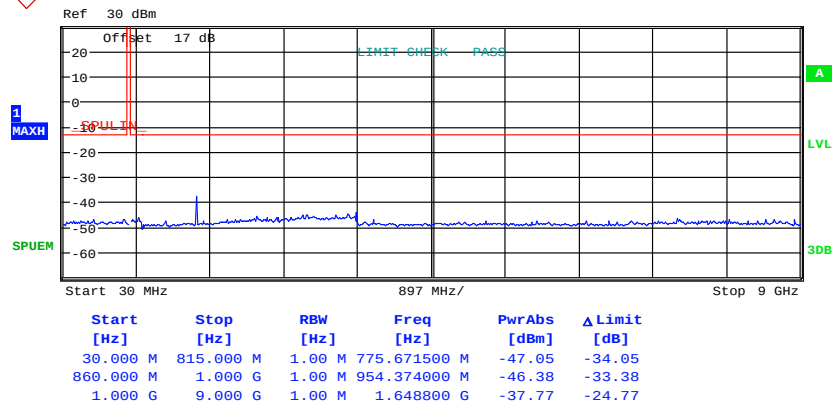
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Report Number: W6R21805-18133-P-247

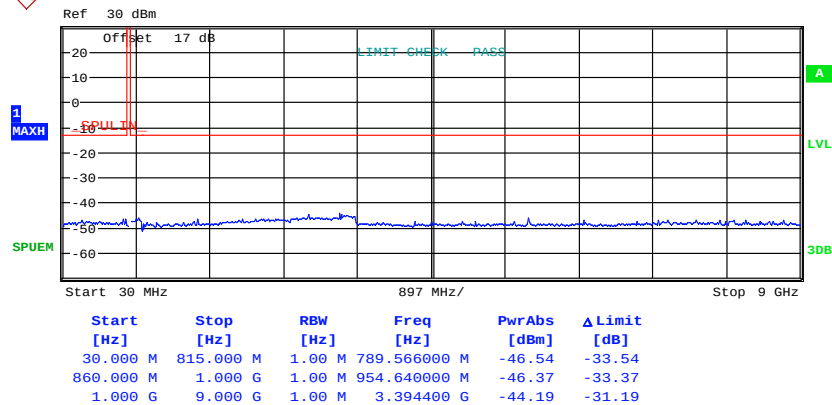
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5 MHz QPSK



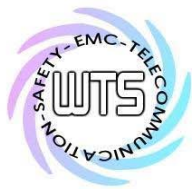
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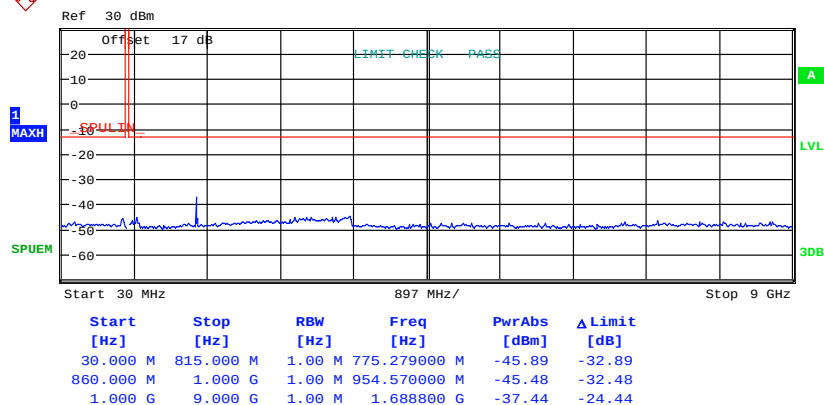
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Date: 17.AUG.2017 15:29:09



Report Number: W6R21805-18133-P-247

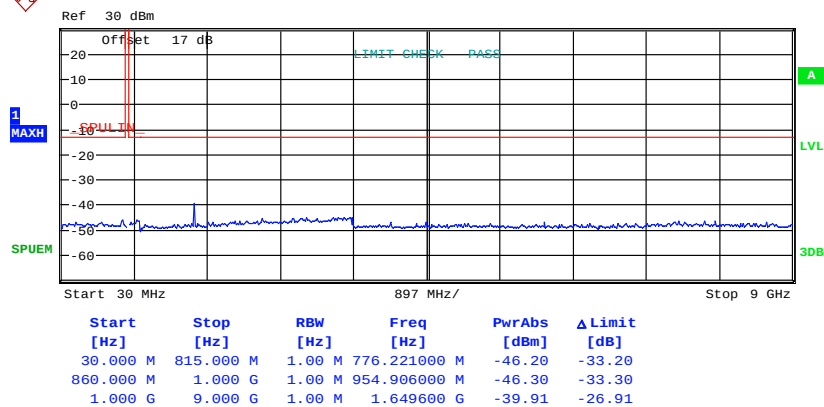
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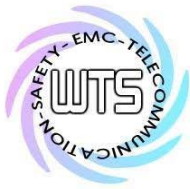
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10 MHz QPSK



CONDUCTED SPURIOUS EMISSION BAND5 QPSK 1RB#0 10MHZ CH20450

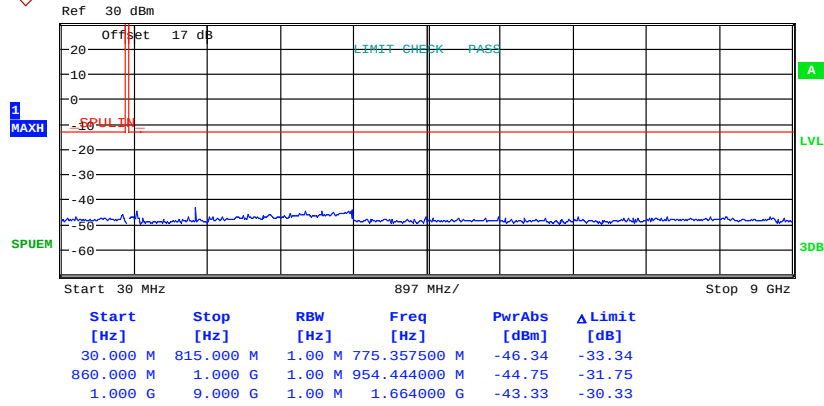
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Worldwide Testing Services(Taiwan) Co., Ltd.

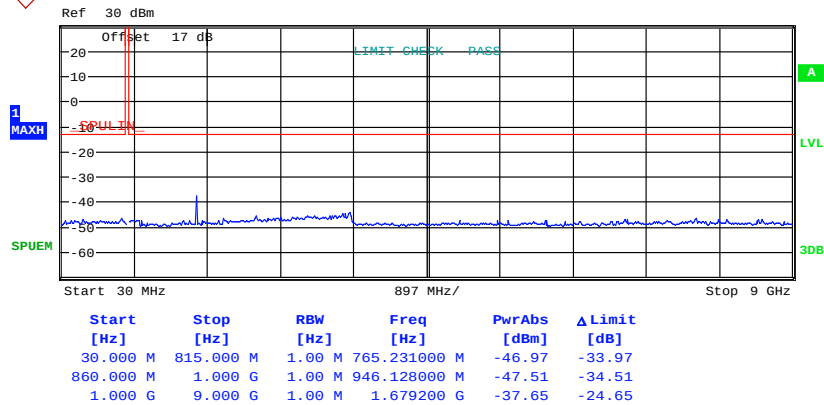
Report Number: W6R21805-18133-P-247

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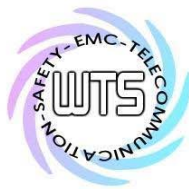
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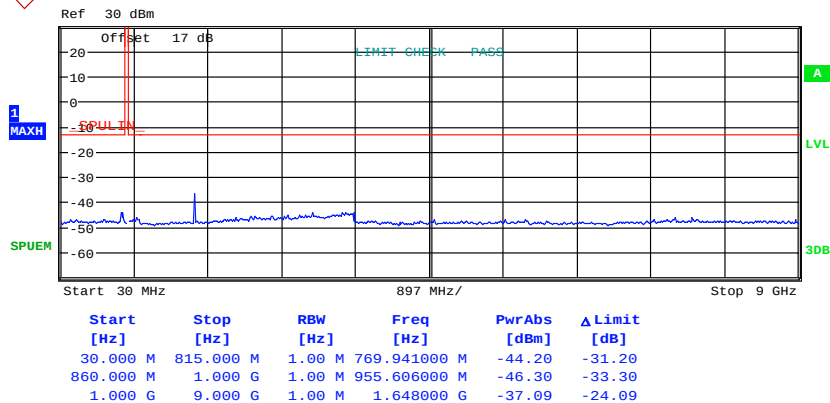
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Report Number: W6R21805-18133-P-247

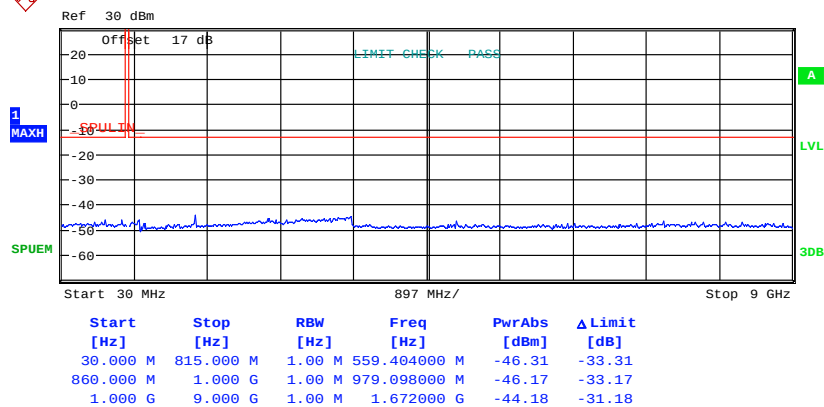
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1.4 MHz 16QAM



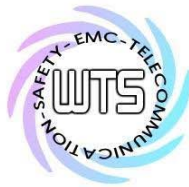
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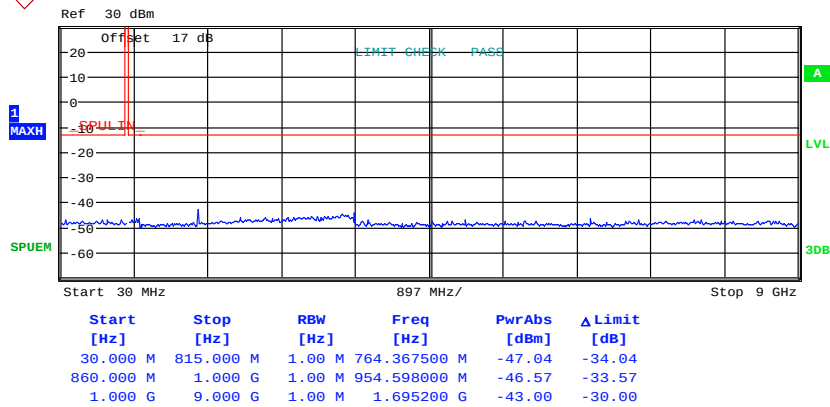
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Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

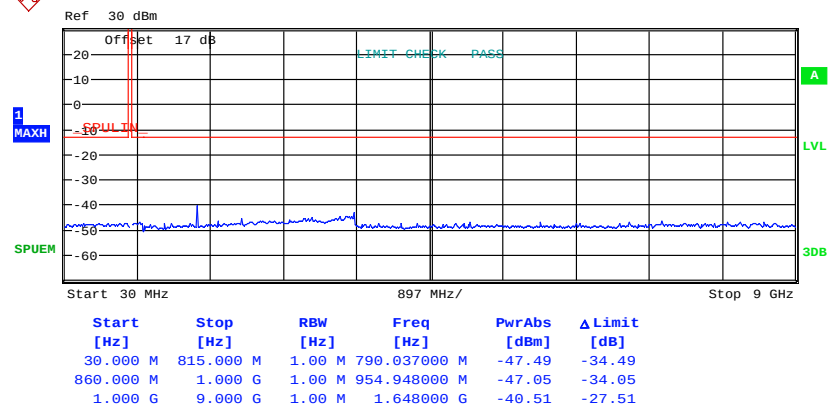
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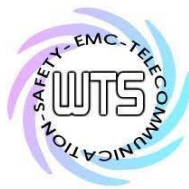
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3 MHz 16QAM



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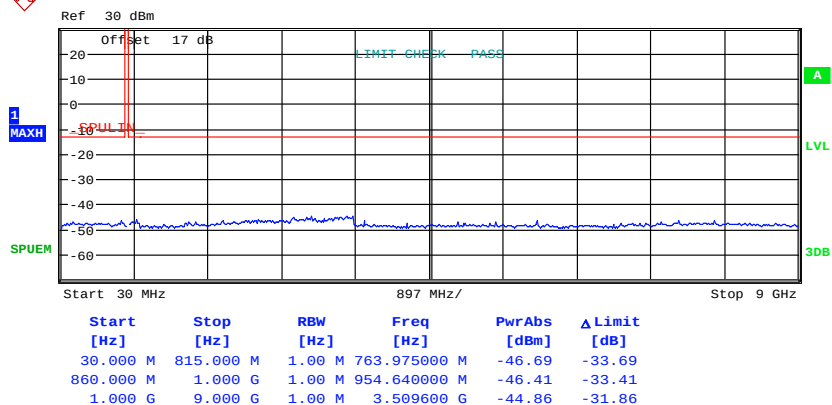
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Worldwide Testing Services(Taiwan) Co., Ltd.

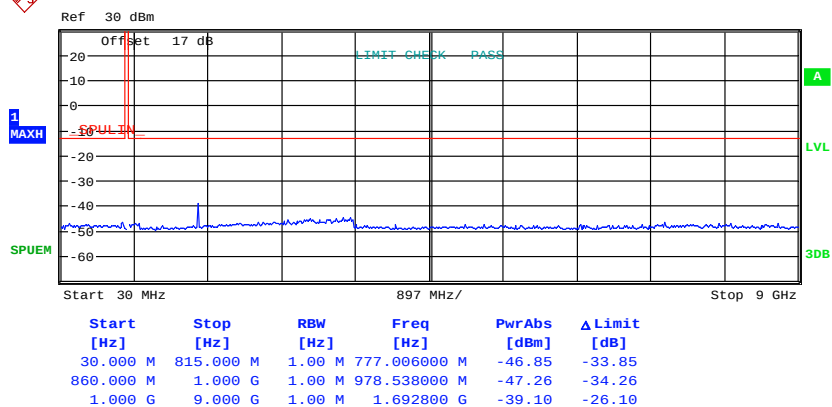
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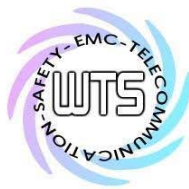
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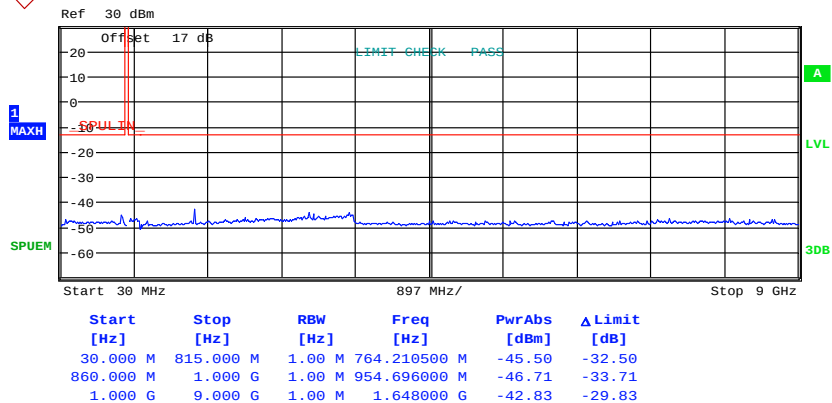
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Report Number: W6R21805-18133-P-247

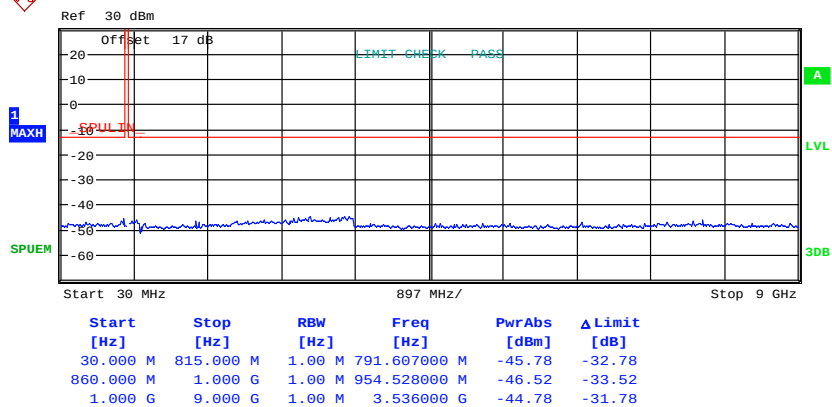
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5 MHz 16QAM



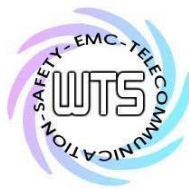
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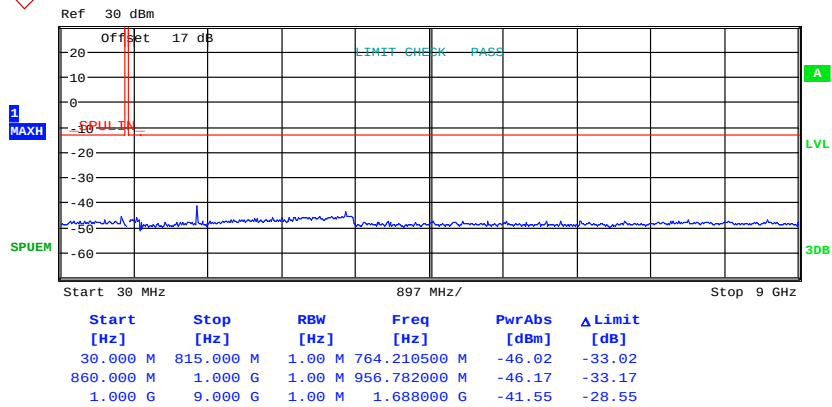
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Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

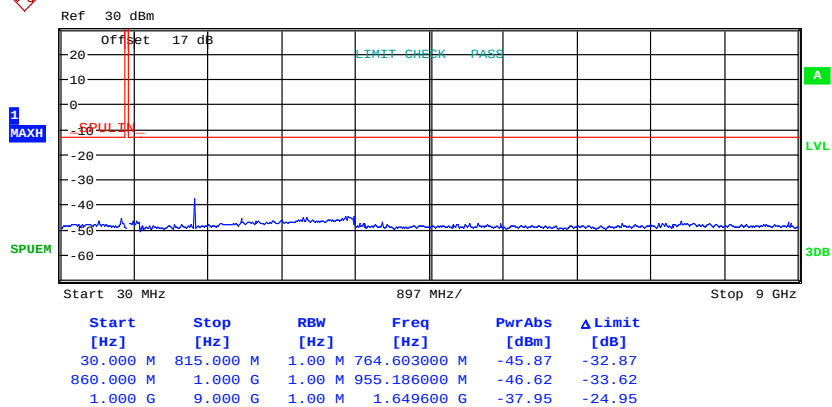
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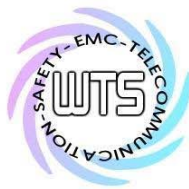
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10 MHz 16QAM



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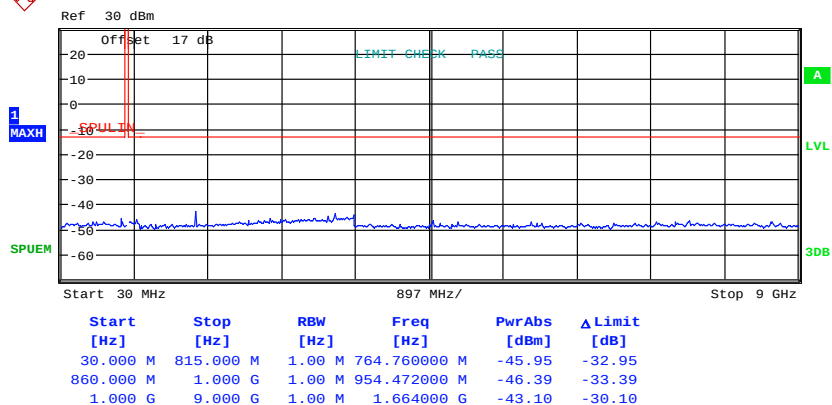
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Worldwide Testing Services(Taiwan) Co., Ltd.

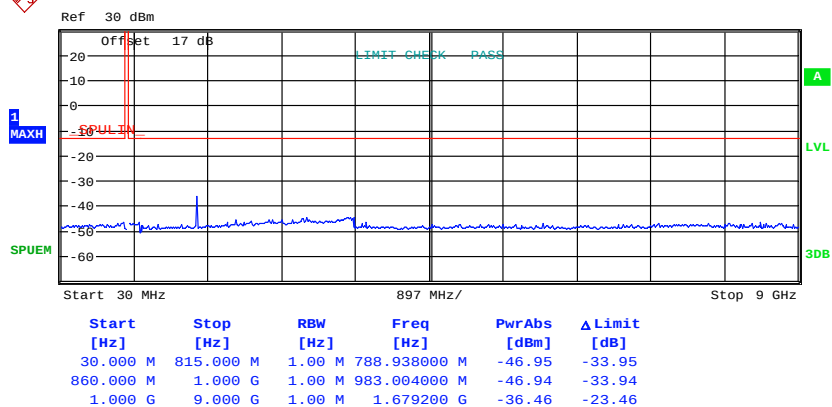
Report Number: W6R21805-18133-P-247

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Date: 17.AUG.2017 15:33:55

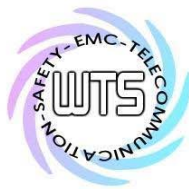


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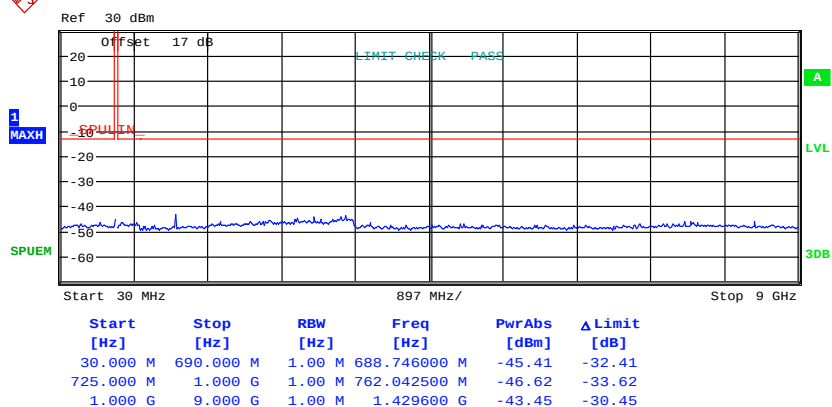


1.4 MHz QPSK



Report Number: W6R21805-18133-P-247

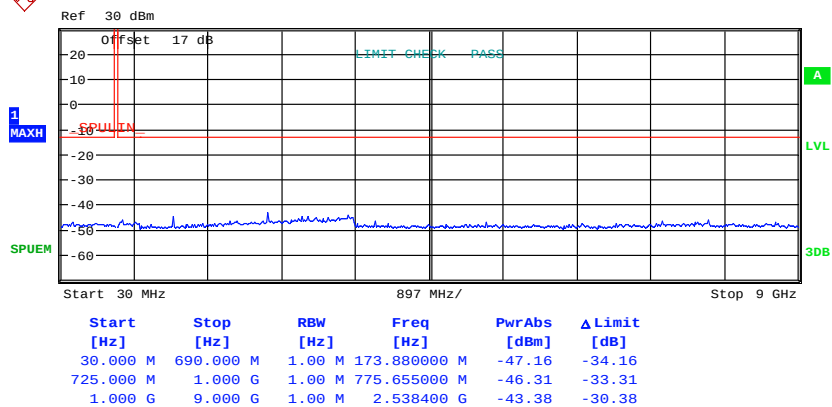
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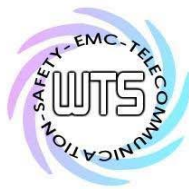
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3 MHz QPSK



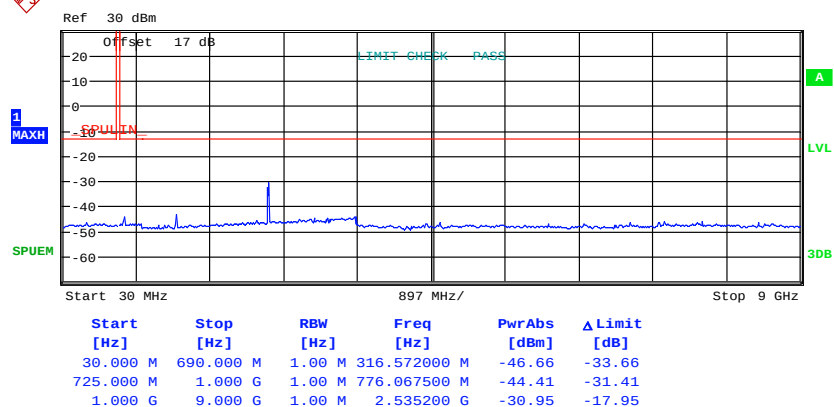
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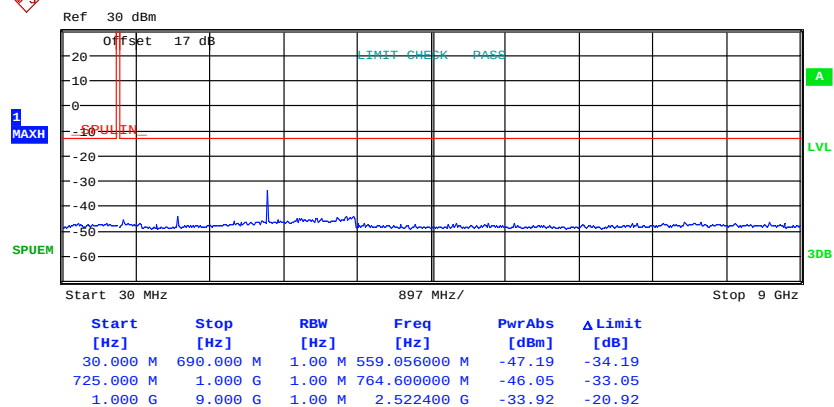
Report Number: W6R21805-18133-P-247

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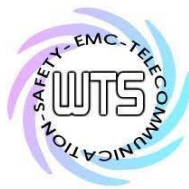
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Date: 17.AUG.2017 15:57:42



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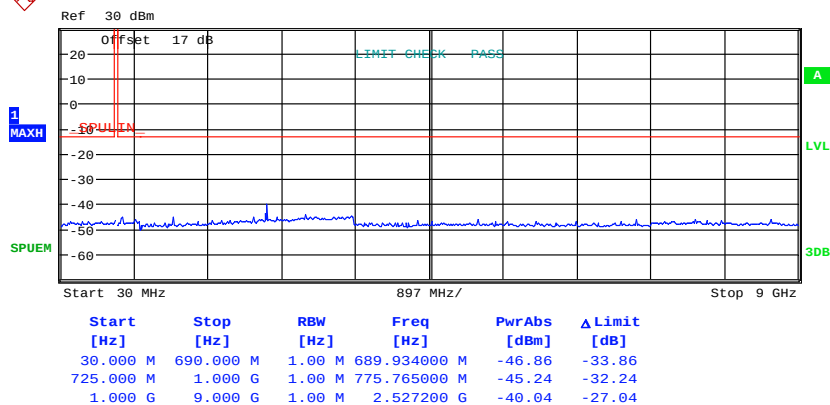
Date: 17.AUG.2017 15:56:10



Report Number: W6R21805-18133-P-247

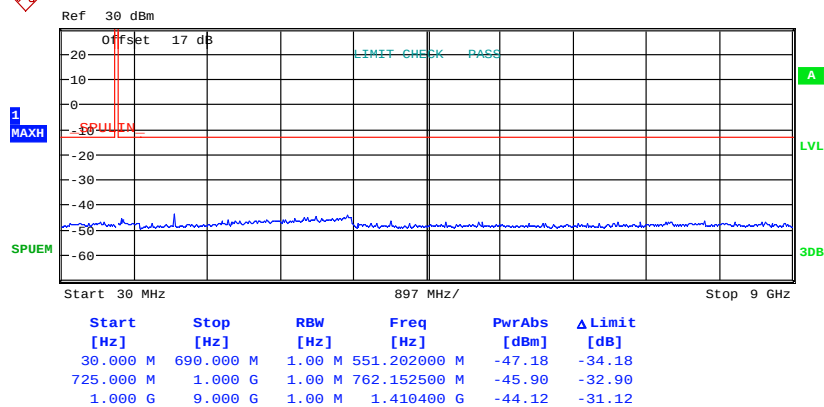
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5 MHz QPSK



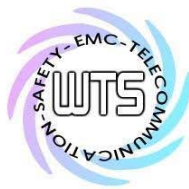
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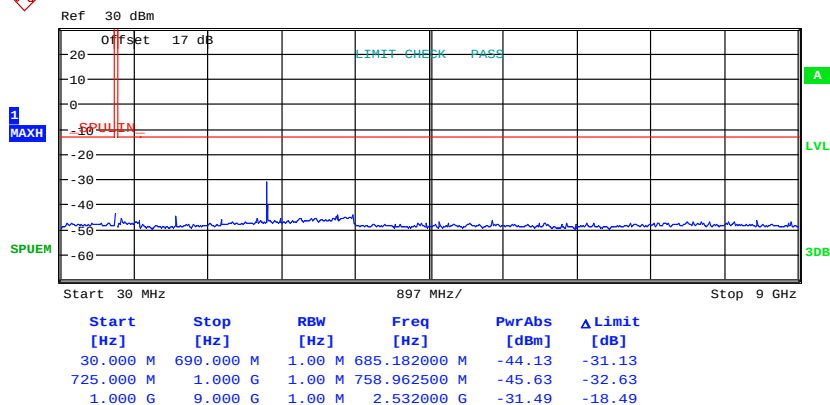
Date: 17.AUG.2017 16:02:33



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

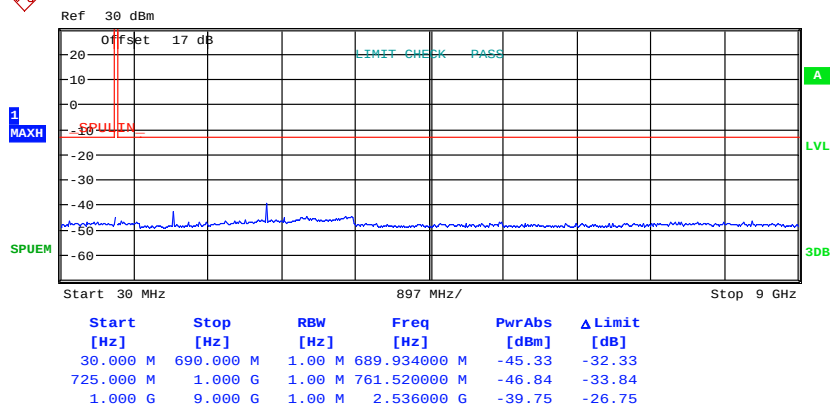
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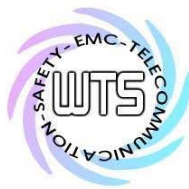
Date: 17.AUG.2017 16:03:47

10 MHz QPSK



CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB#0 10MHZ CH23060

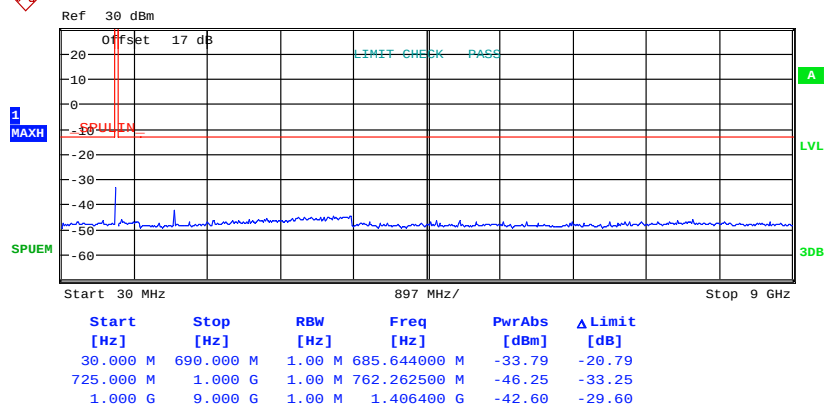
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Worldwide Testing Services(Taiwan) Co., Ltd.

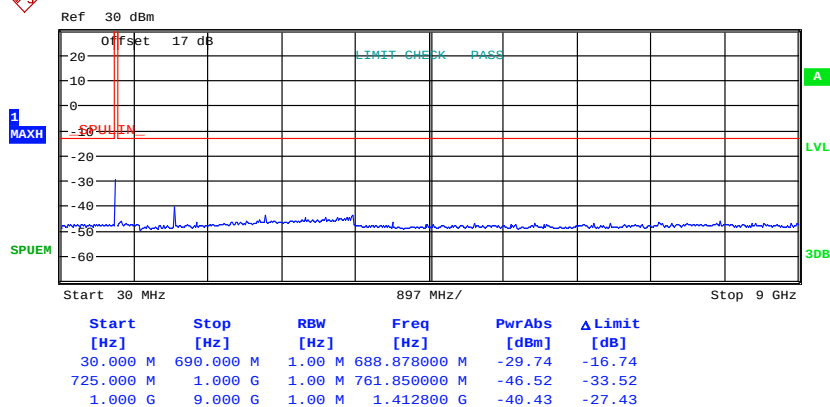
Report Number: W6R21805-18133-P-247

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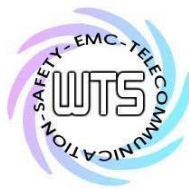
CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB#0 10MHZ CH23095

Date: 17.AUG.2017 16:11:35



CONDUCTED SPURIOUS EMISSION BAND12 QPSK 1RB#0 10MHZ CH23130

Date: 17.AUG.2017 16:10:49

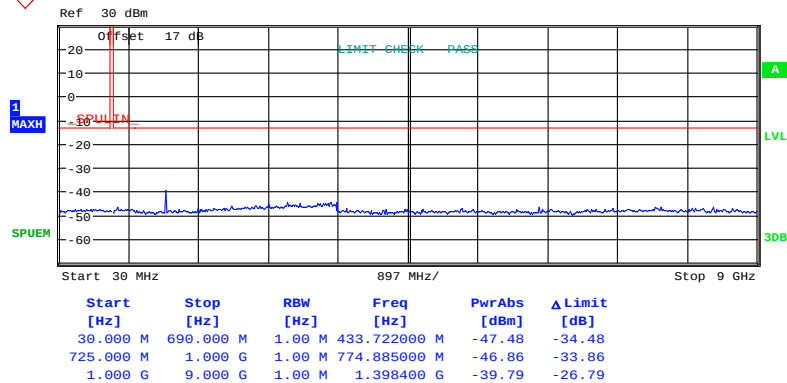


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FCC ID: GX9FPHUB1

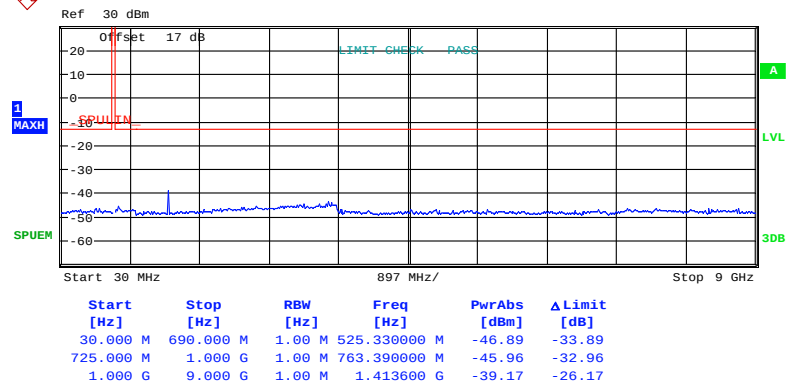
1.4 MHz 16QAM



CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB#0 1.4MHZ CH2301

7

Date: 17.AUG.2017 15:51:52



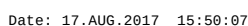
CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB#0 1.4MHZ CH2309

5

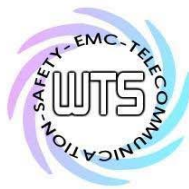
Date: 17.AUG.2017 15:50:58



FCC ID: GX9FPHUB1

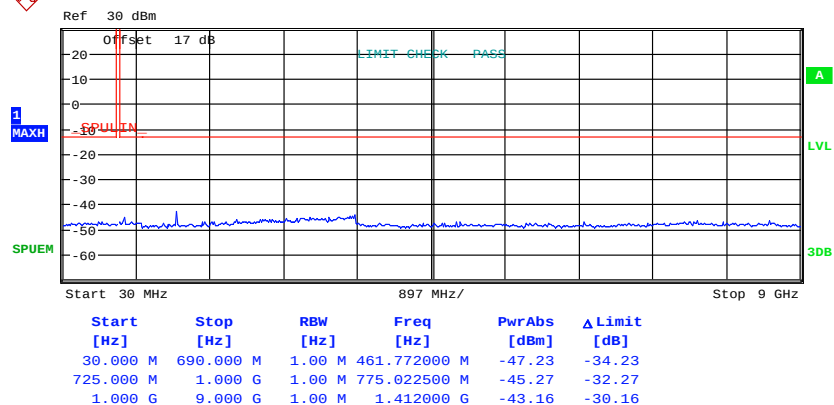


Date: 17.AUG.2017 15:53:08



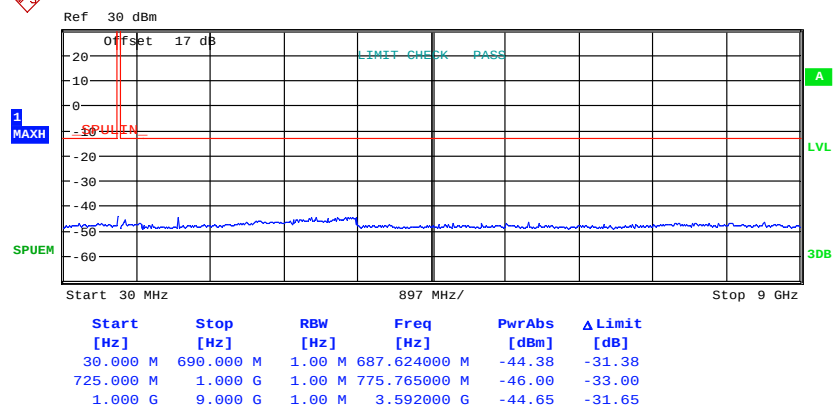
Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1



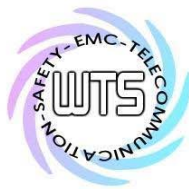
CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB#0 3MHZ CH23095

Date: 17.AUG.2017 15:54:05



CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB#0 3MHZ CH23165

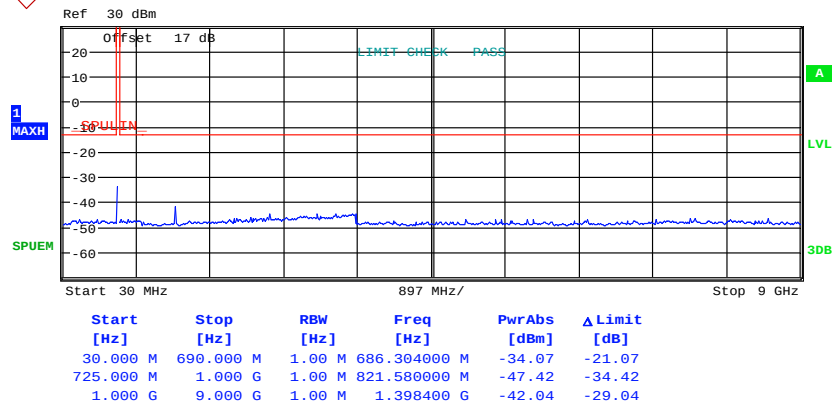
Date: 17.AUG.2017 15:54:54



Report Number: W6R21805-18133-P-247

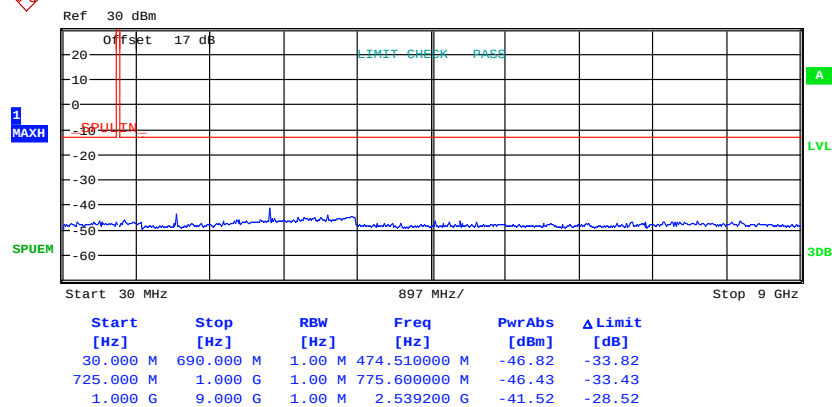
FCC ID: GX9FPHUB1

5 MHz 16QAM



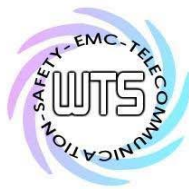
CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB#0 5MHZ CH23035

Date: 17.AUG.2017 16:07:04



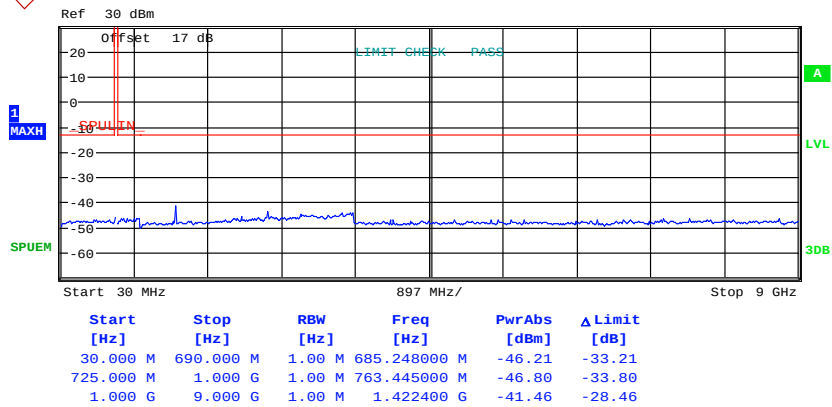
CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB#0 5MHZ CH23095

Date: 17.AUG.2017 16:06:22



Report Number: W6R21805-18133-P-247

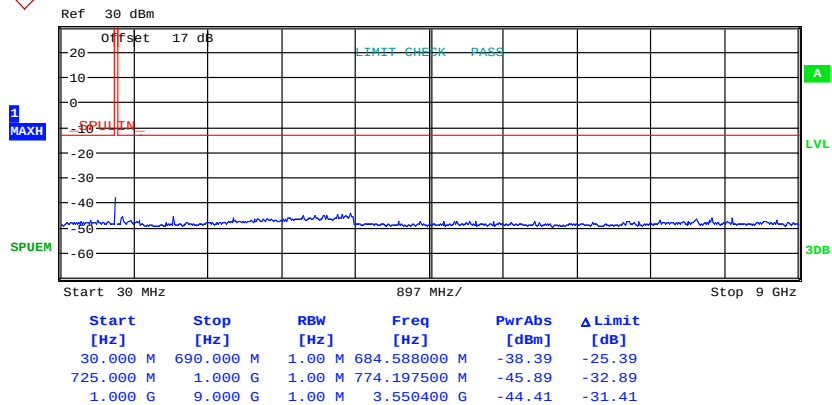
FCC ID: GX9FPHUB1



CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB#0 5MHZ CH23155

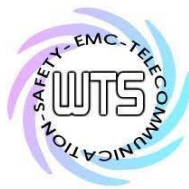
Date: 17.AUG.2017 16:05:15

10 MHz 16QAM



CONDUCTED SPURIOUS EMISSION BAND12 16QAM 1RB#0 10MHZ CH23060

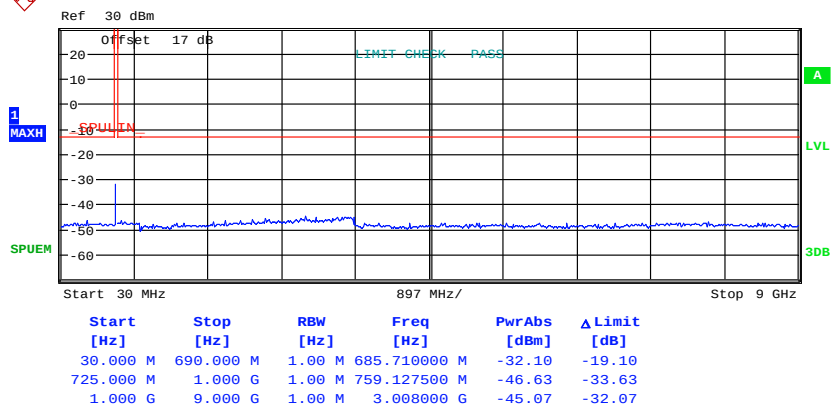
Date: 17.AUG.2017 16:08:01



Worldwide Testing Services(Taiwan) Co., Ltd.

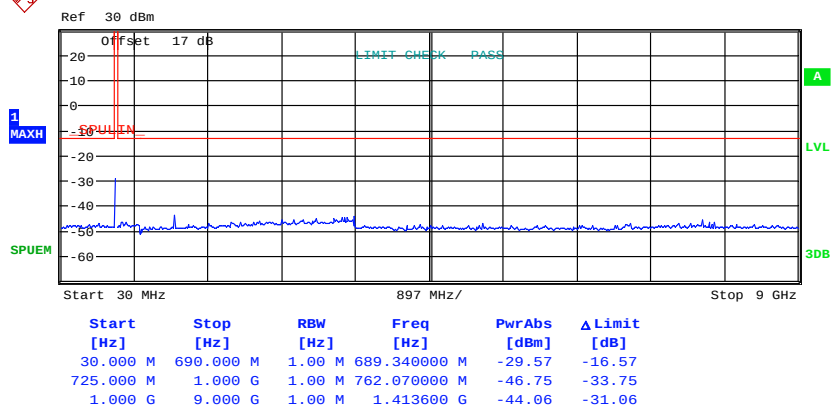
Report Number: W6R21805-18133-P-247

FCC ID: GX9FPUB1



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

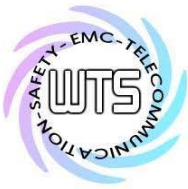
Date: 17.AUG.2017 16:09:15



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

Date: 17.AUG.2017 16:09:44

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



Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

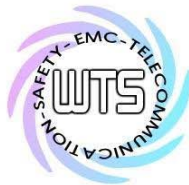
7.3 Explanation of test result

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: W6R21805-18133-P-247

FCC ID: GX9FPUB1

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: FPHUB1

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 $k = 2$.
 6. See attached diagrams in appendix.

8.3 Explanation of test result

Result Level = Reading Level + Corrected Factor

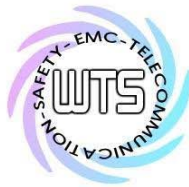
Corrected Factor = SG level – Received level-Cable loss + substitution antenna gain

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: $L=P-A=-13$ dBm

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



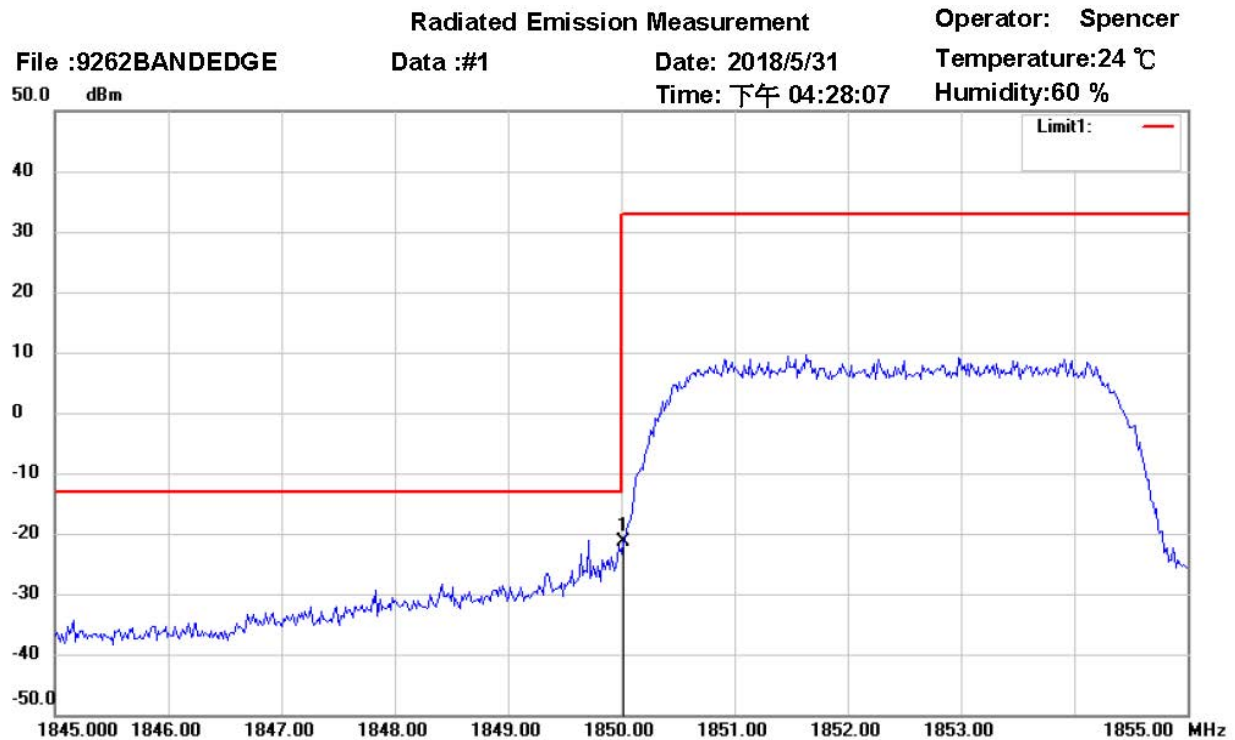
Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

8.5 Test result of band edge emissions

WCDMA

Band 2



Site : Chamber

Condition : FCC_part 24 Bandedge

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND2 CH9262 BANDEGE

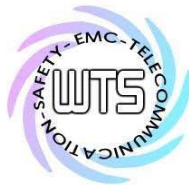
Note :

Polarization: *Horizontal*

Power : 120V 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
*	1850.016	-64.99	peak	43.63	-21.36	33.00	150	118	-54.36	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

Radiated Emission Measurement

Operator: Spencer

File :9262BANDEGE

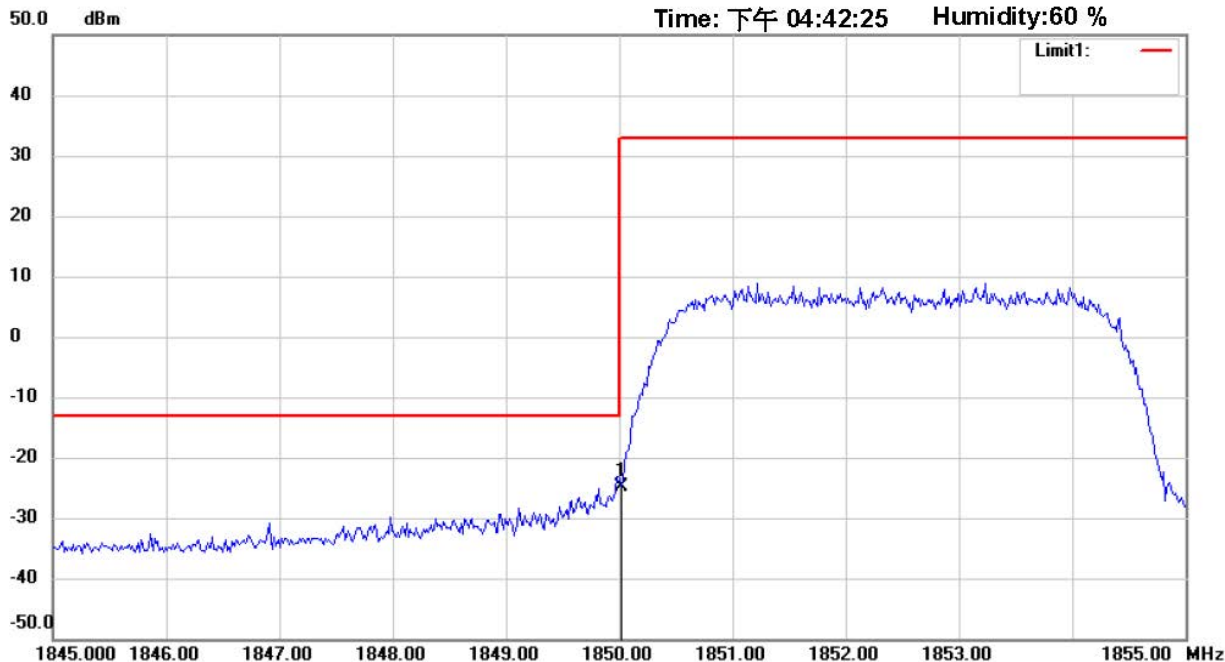
Data :#2

Date: 2018/5/31

Temperature:24 °C

Time: 下午 04:42:25

Humidity:60 %



Site : Chamber

Condition : FCC_part 24 Bandedge

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND2 CH9262 BANDEGE

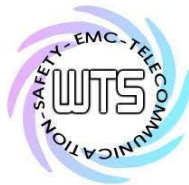
Note :

Polarization: *Vertical*

Power : 120V 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
*	1850.016	-71.25	peak	46.41	-24.84	33.00	150	343	-57.84	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

Radiated Emission Measurement

Operator: Spencer

File :9538BANDEGE

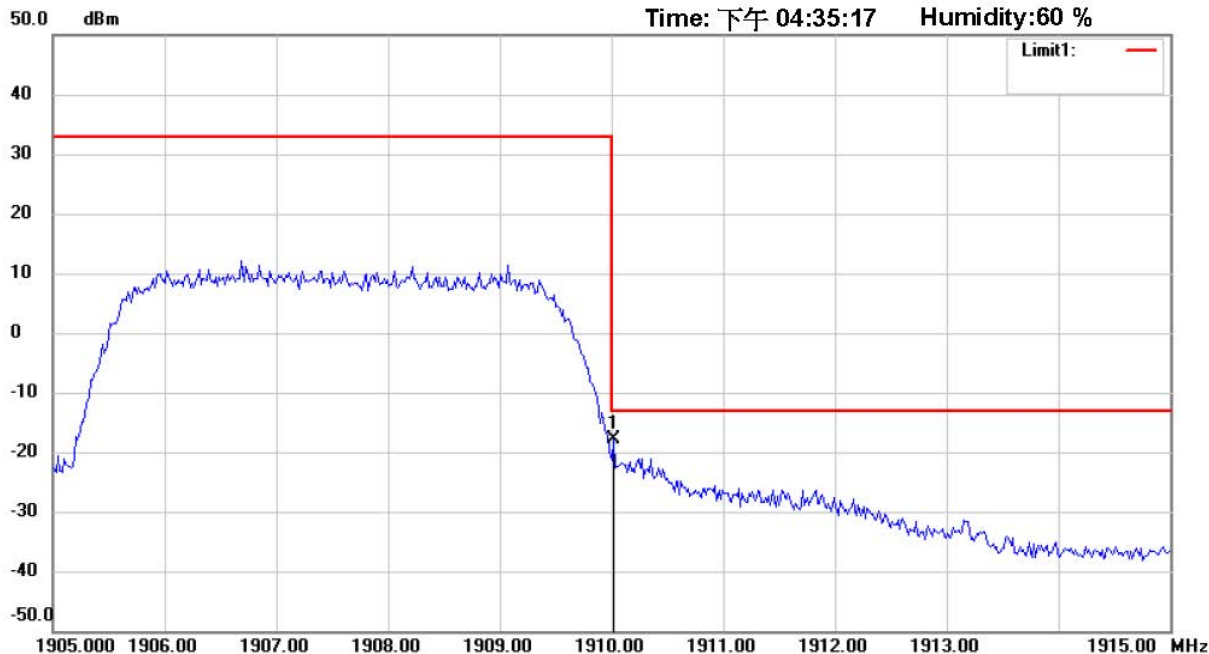
Data :#1

Date: 2018/5/31

Temperature:24 °C

Time: 下午 04:35:17

Humidity:60 %



Site : Chamber

Condition : FCC_part 24 Bandedge

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND2 CH9538

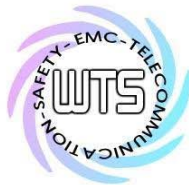
Note :

Polarization: *Horizontal*

Power : 120V 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
*	1910.016	-61.97	peak	44.17	-17.80	-13.00	150	108	-4.80	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

Radiated Emission Measurement

Operator: Spencer

File :9538BANDEGE

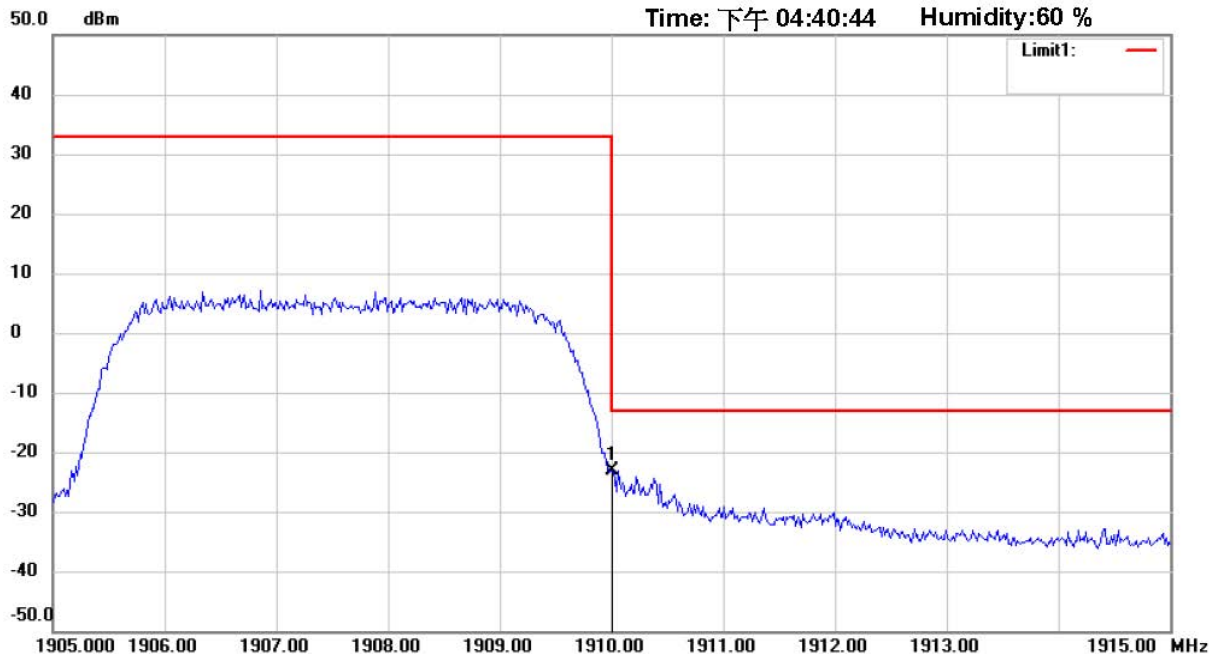
Data :#2

Date: 2018/5/31

Temperature:24 °C

Time: 下午 04:40:44

Humidity:60 %



Site : Chamber

Condition : FCC_part 24 Bandedge

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND2 CH9538

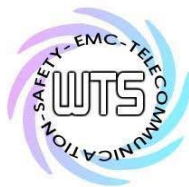
Note :

Polarization: *Vertical*

Power : 120V 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
*	1910.000	-69.75	peak	46.66	-23.09	-13.00	150	147	-10.09	

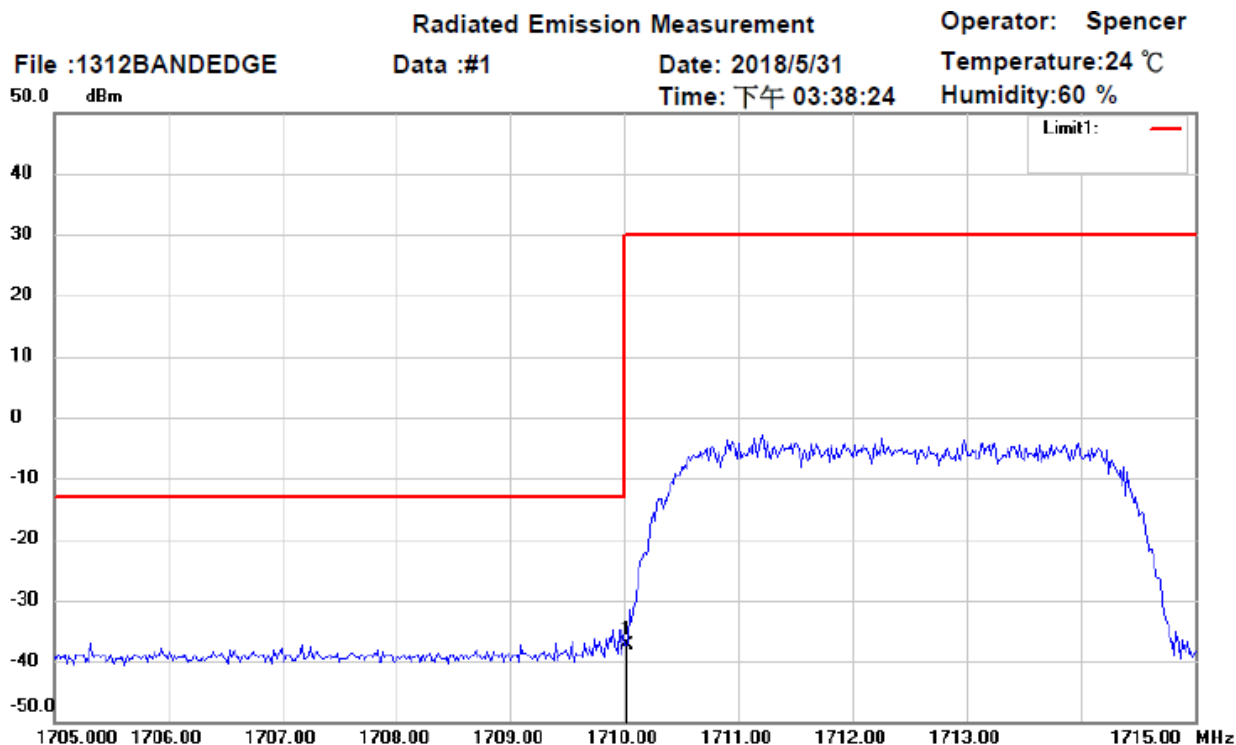


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

Band 4



Site : Chamber

Condition : FCC_part 27 Bandedge_WCDMA_Bnad4

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND4 CH1312 BANDEGE

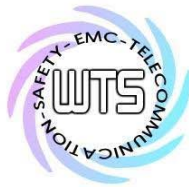
Note :

Polarization: *Horizontal*

Power : 120V 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
*	1710.016	-79.72	peak	42.38	-37.34	30.00	150	109	-67.34	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

Radiated Emission Measurement

Operator: Spencer

File :1312BANDEGE

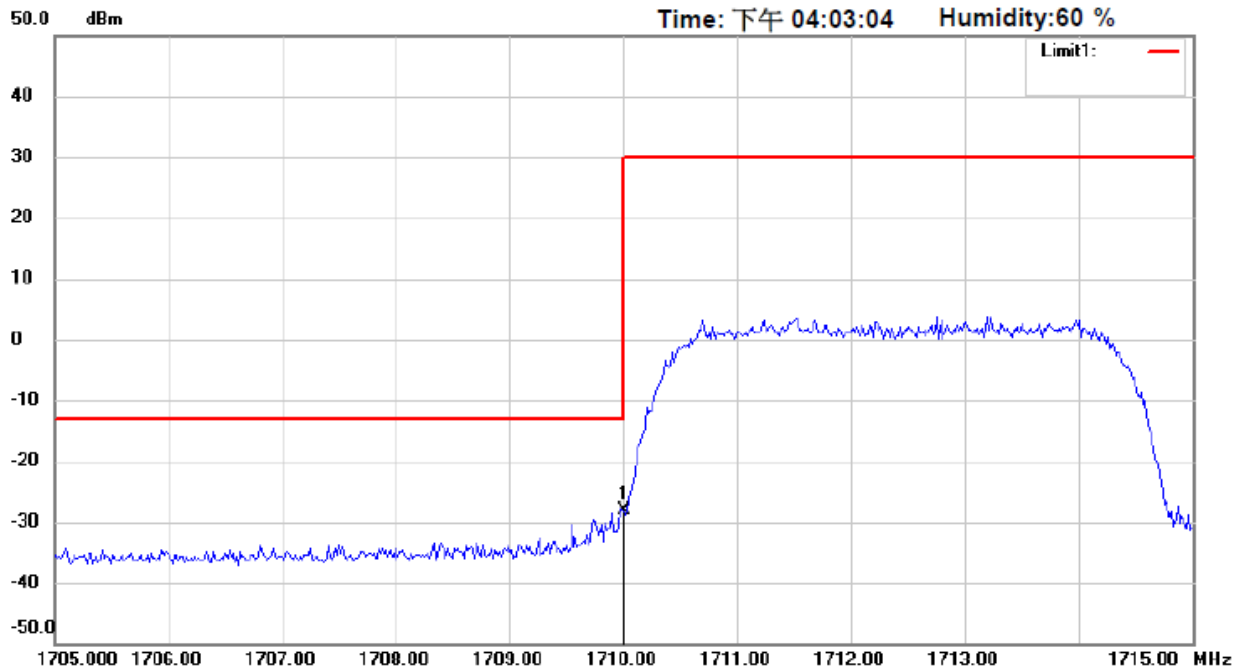
Data :#2

Date: 2018/5/31

Temperature:24 °C

Time: 下午 04:03:04

Humidity:60 %



Site : Chamber

Condition : FCC_part 27 Bandedge_WCDMA_Bnad4

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND4 CH1312 BANDEGE

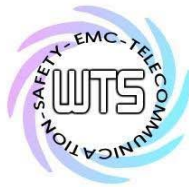
Note :

Polarization: *Vertical*

Power : 120V A.C.

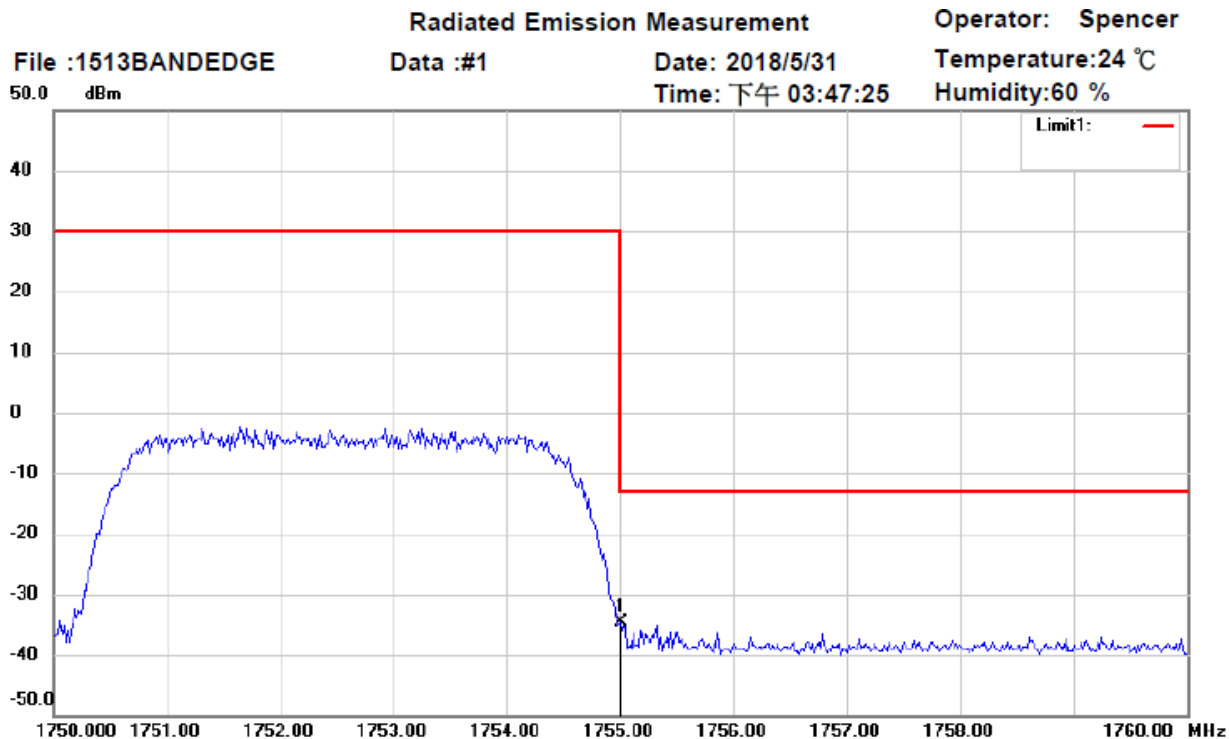
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1710.000	-73.93	peak	45.83	-28.10	-13.00	150	165	-15.10	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247
FCC ID: GX9FPHUB1



Site : Chamber

Condition : FCC_part 27 Bandedge_WCDMA_Bnad4

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND4 CH1513 BANDEGE

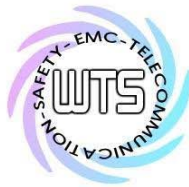
Note :

Polarization: *Horizontal*

Power : 120V A.C.

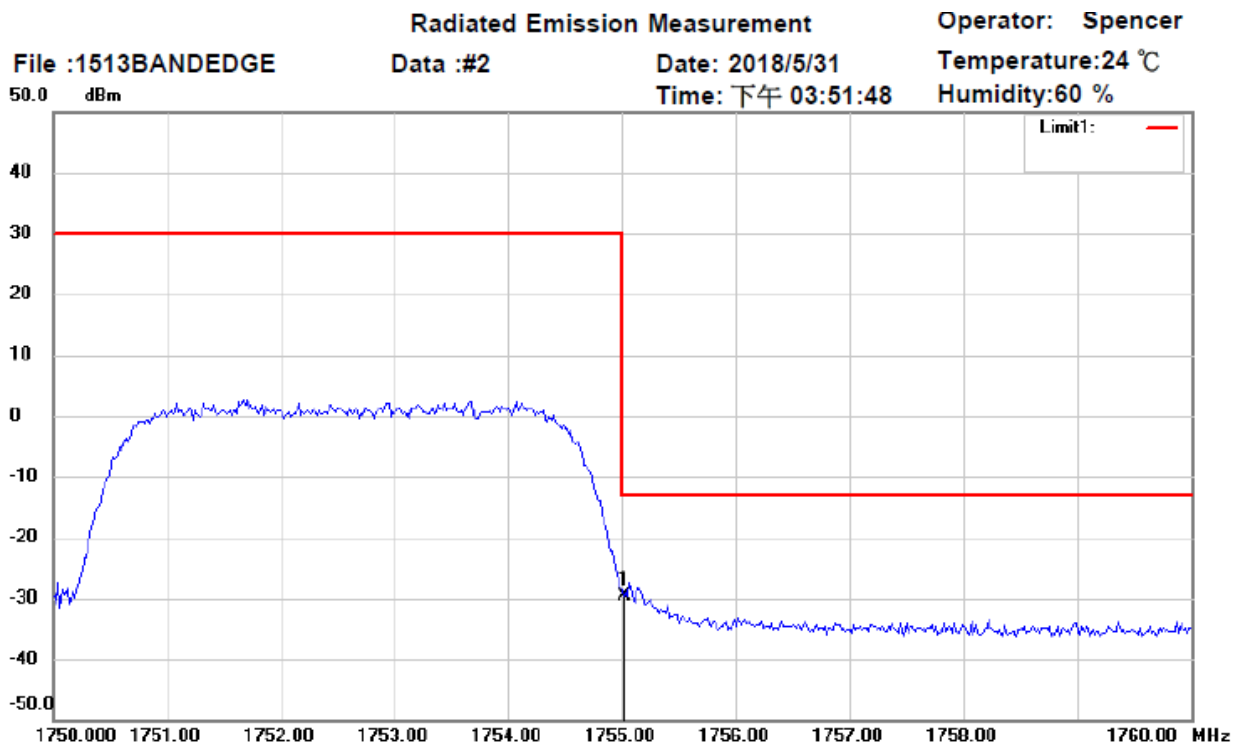
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1755.000	-77.39	peak	42.78	-34.61	-13.00	150	102	-21.61	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247
FCC ID: GX9FPHUB1



Site : Chamber

Condition : FCC_part 27 Bandedge_WCDMA_Bnad4

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND4 CH1513 BANDEGE

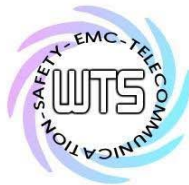
Note :

Polarization: *Vertical*

Power : 120V 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
*	1755.016	-75.56	peak	46.02	-29.54	-13.00	150	198	-16.54	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

Band 5

Radiated Emission Measurement

Operator: Spencer

File :4132BANDEGE

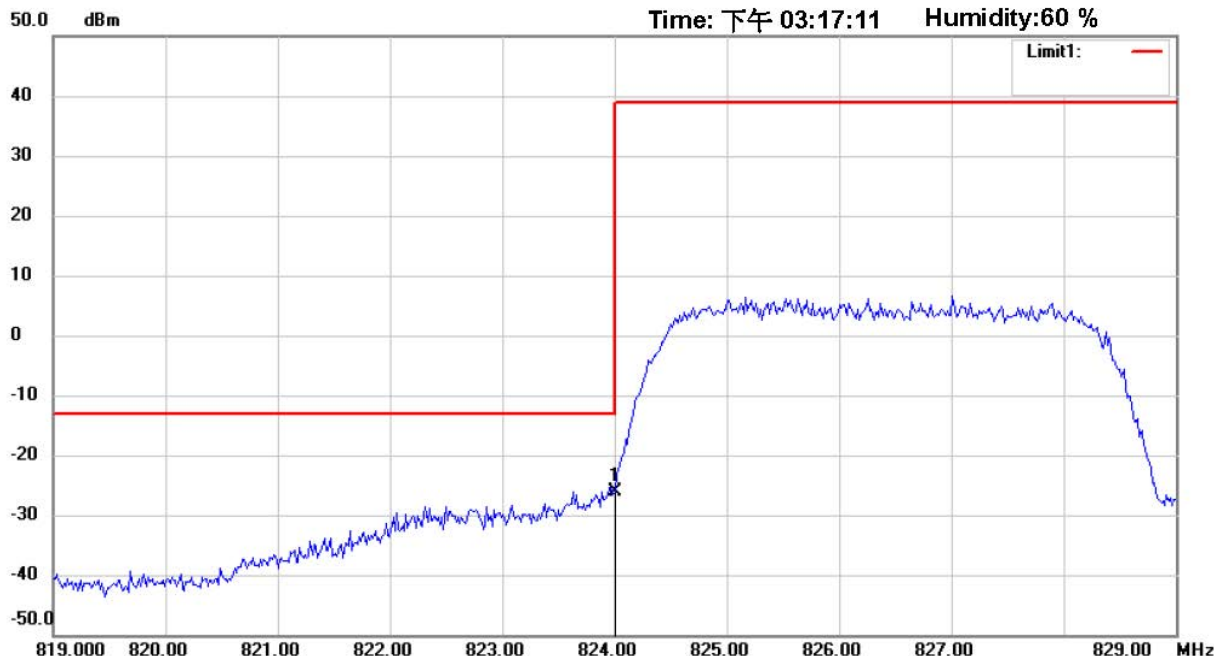
Data :#1

Date: 2018/5/31

Temperature:24 °C

Time: 下午 03:17:11

Humidity:60 %



Site : Chamber

Condition : FCC_part 22 Bandedge

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND5 CH4132 BANDEGE

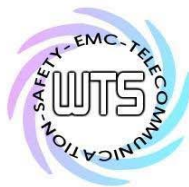
Polarization: *Horizontal*

Power : 120V 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
*	824.0000	-62.07	peak	35.96	-26.11	-13.00	150	198	-13.11	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

Radiated Emission Measurement

Operator: Spencer

File :4132BANDEGE

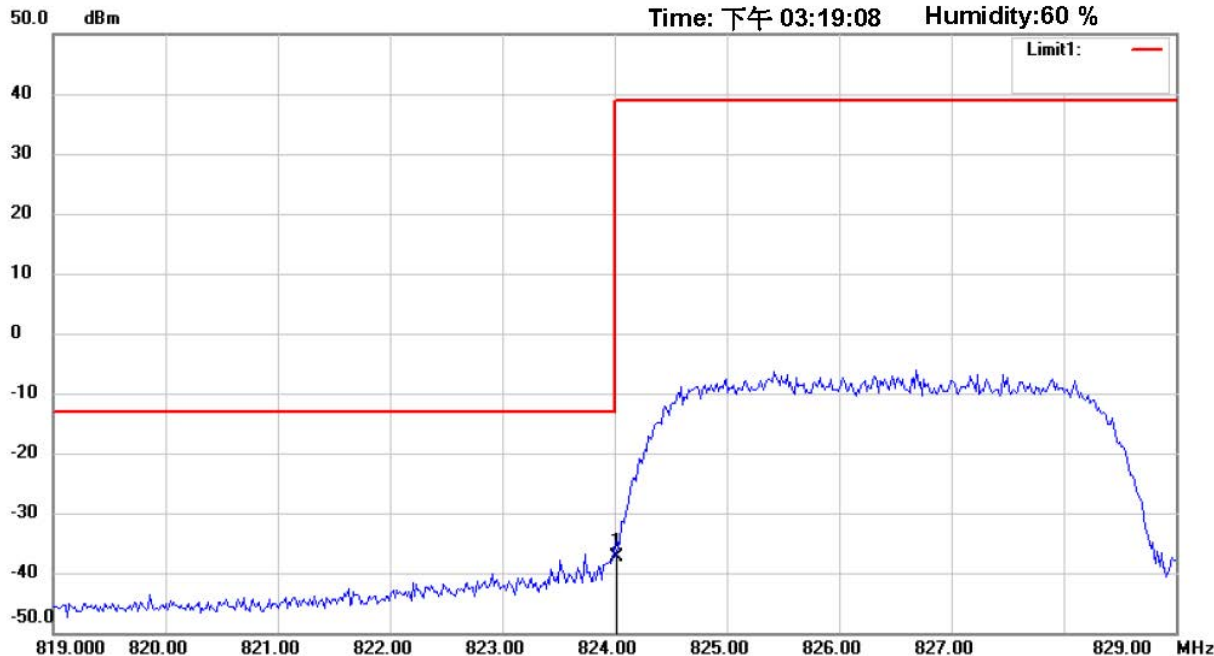
Data :#2

Date: 2018/5/31

Temperature:24 °C

Time: 下午 03:19:08

Humidity:60 %



Site : Chamber

Condition : FCC_part 22 Bandedge

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND5 CH4132 BANDEGE

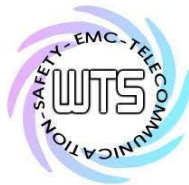
Note :

Polarization: *Vertical*

Power : 120V 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
*	824.0160	-73.30	peak	35.90	-37.40	39.00	150	109	-76.40	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

Radiated Emission Measurement

Operator: Spencer

File :4233BANDEGE

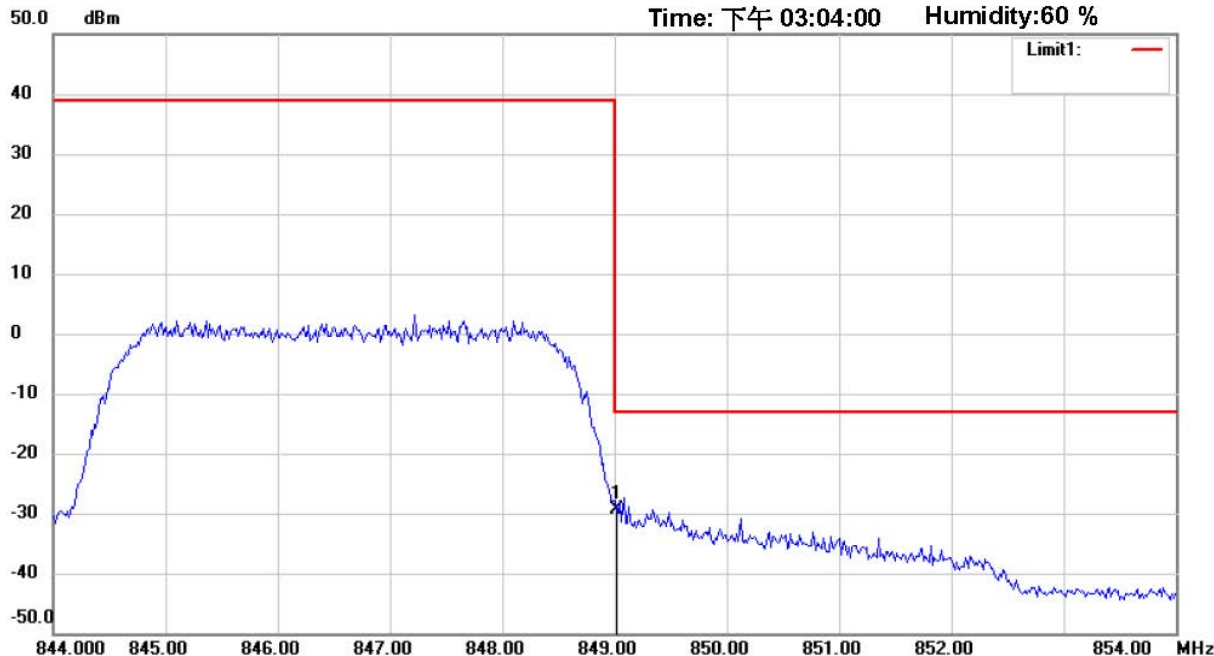
Data :#1

Date: 2018/5/31

Temperature:24 °C

Time: 下午 03:04:00

Humidity:60 %



Site : Chamber

Condition : FCC_part 22 Bandedge

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND5 CH4233 BANDEGE

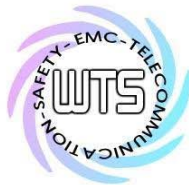
Note :

Polarization: *Horizontal*

Power : 120V 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
*	849.0160	-65.70	peak	36.41	-29.29	-13.00	150	196	-16.29	



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

Radiated Emission Measurement

Operator: Spencer

File :4233BANDEGE

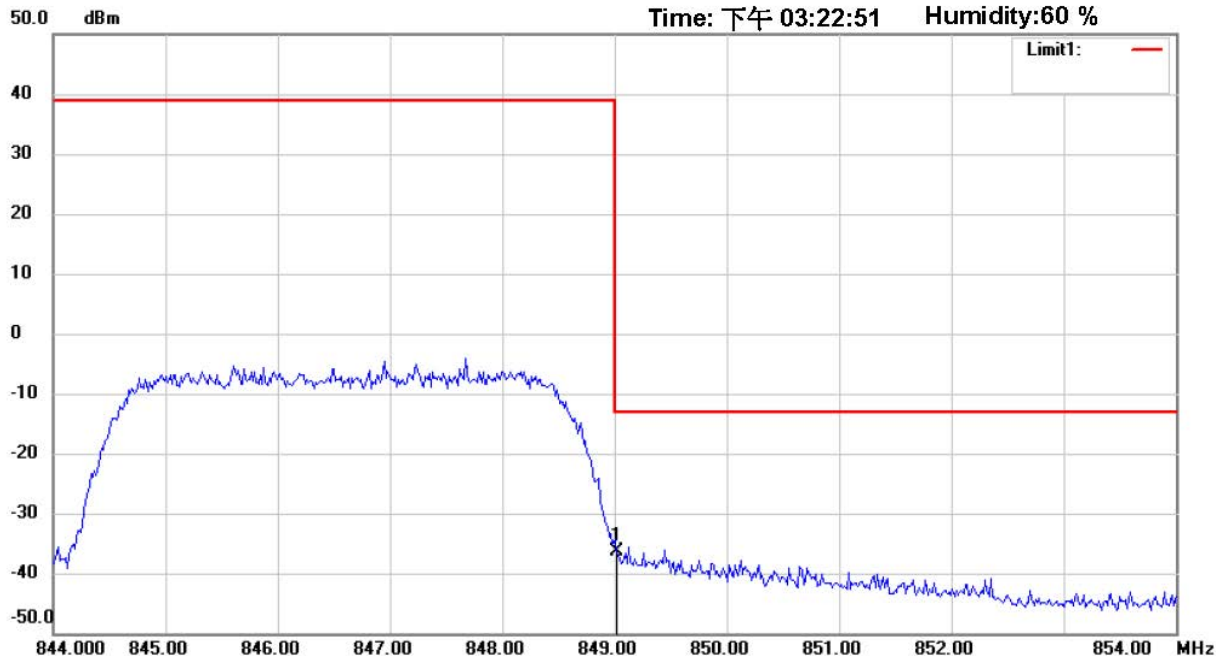
Data :#2

Date: 2018/5/31

Temperature:24 °C

Time: 下午 03:22:51

Humidity:60 %



Site : Chamber

Condition : FCC_part 22 Bandedge

EUT : W6R21805-18133

M/N:

Test Mode : WCDMA BAND5 CH4233 BANDEGE

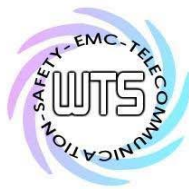
Note :

Polarization: *Vertical*

Power : 120V 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
*	849.0160	-73.10	peak	36.74	-36.36	-13.00	150	176	-23.36	



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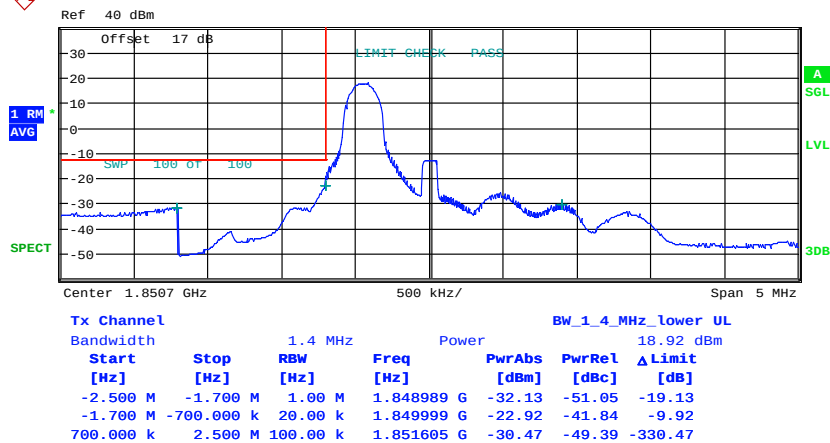
Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

LTE

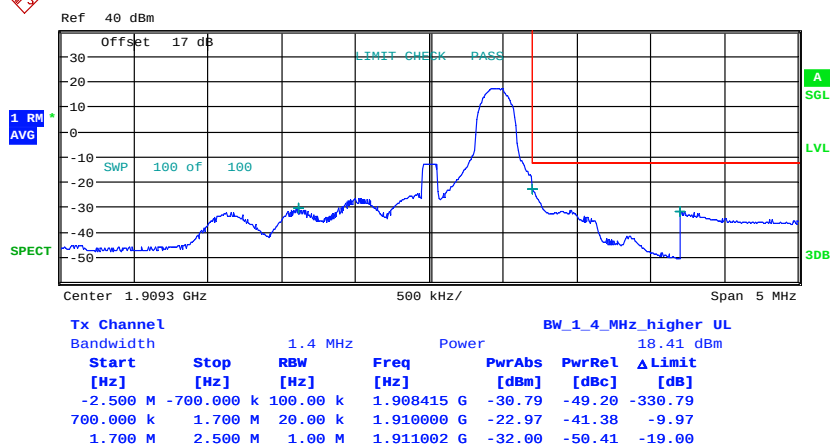
Band 2

1.4 MHz QPSK



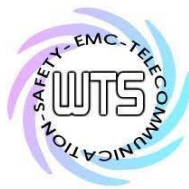
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Date: 10.AUG.2017 16:16:51



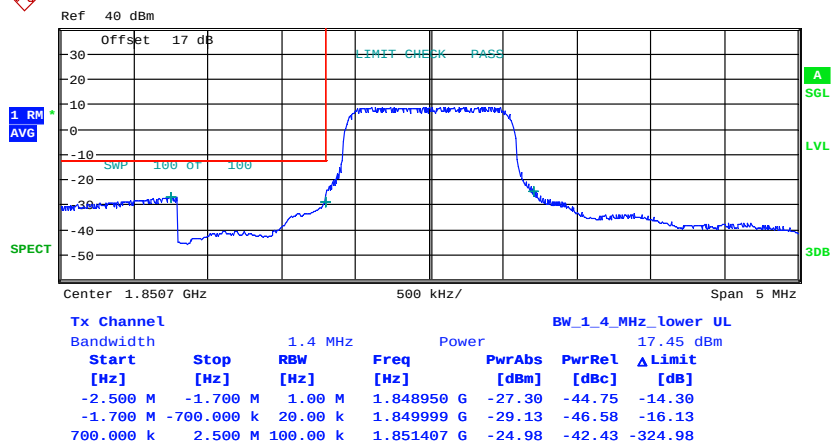
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Date: 10.AUG.2017 17:50:04



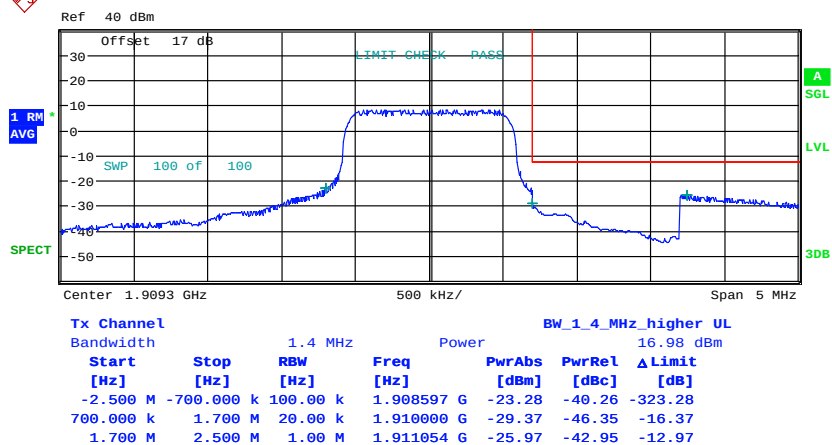
Report Number: W6R21805-18133-P-247

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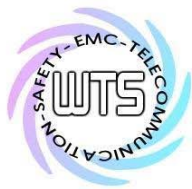
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Date: 10.AUG.2017 16:14:28



Bandedge Band2 QPSK FRB 1.4MHz CH19193

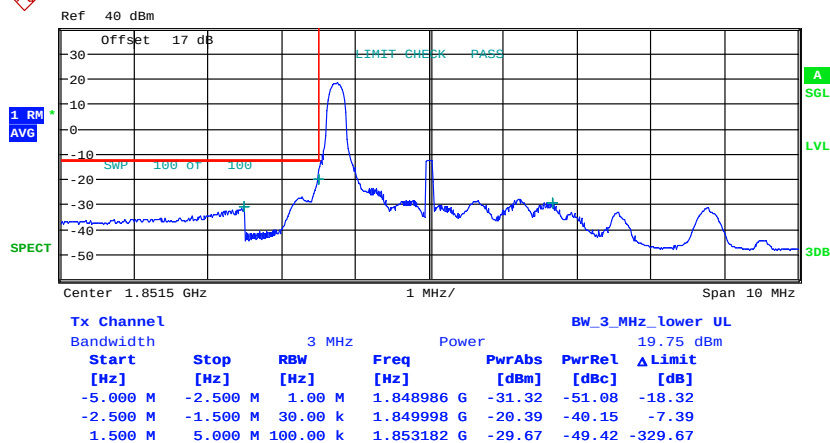
Date: 10.AUG.2017 17:52:06



Report Number: W6R21805-18133-P-247

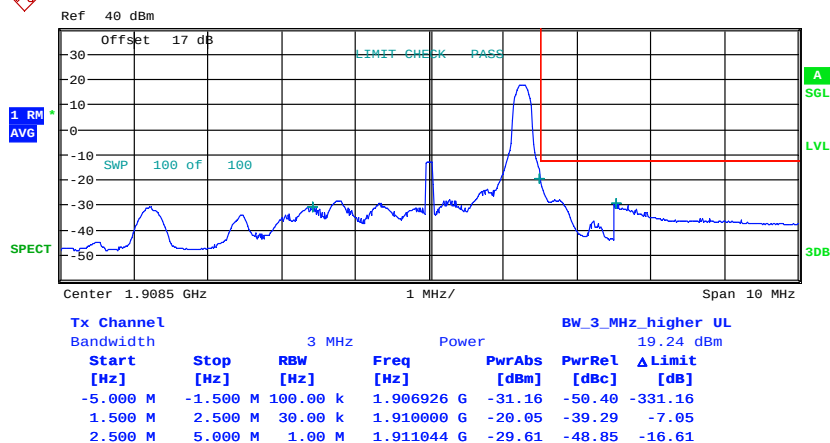
FCC ID: GX9FPHUB1

3 MHz QPSK



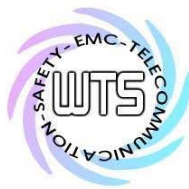
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Date: 11.AUG.2017 10:58:41



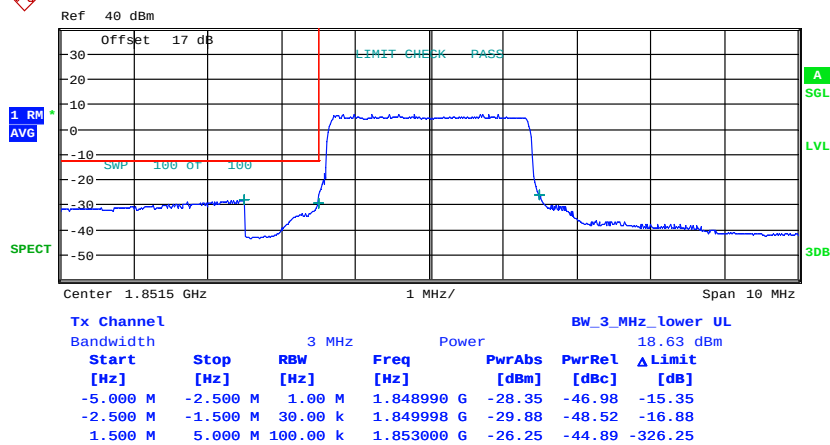
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Date: 11.AUG.2017 11:33:17



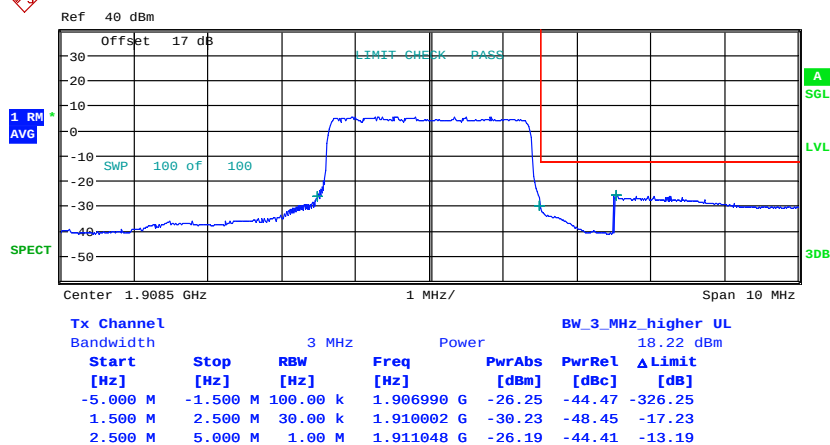
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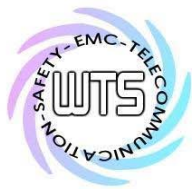
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Date: 11.AUG.2017 10:59:59



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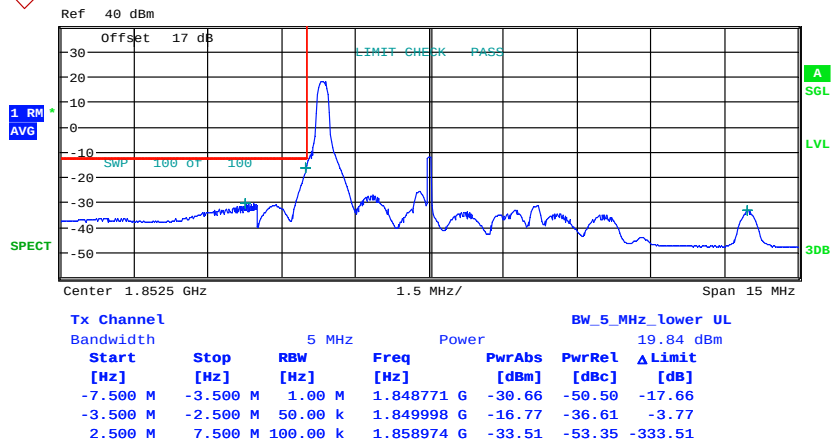
Date: 11.AUG.2017 11:34:37



Report Number: W6R21805-18133-P-247

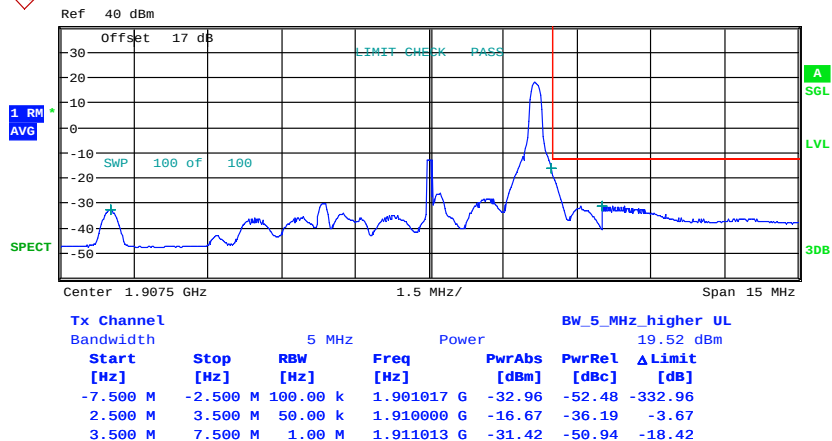
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5 MHz QPSK



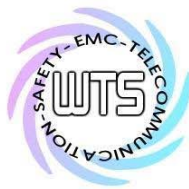
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Date: 11.AUG.2017 14:06:26



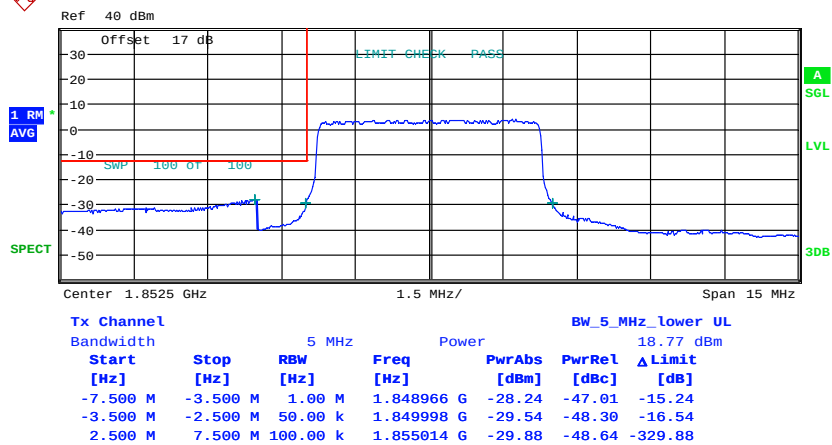
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Date: 11.AUG.2017 15:28:03



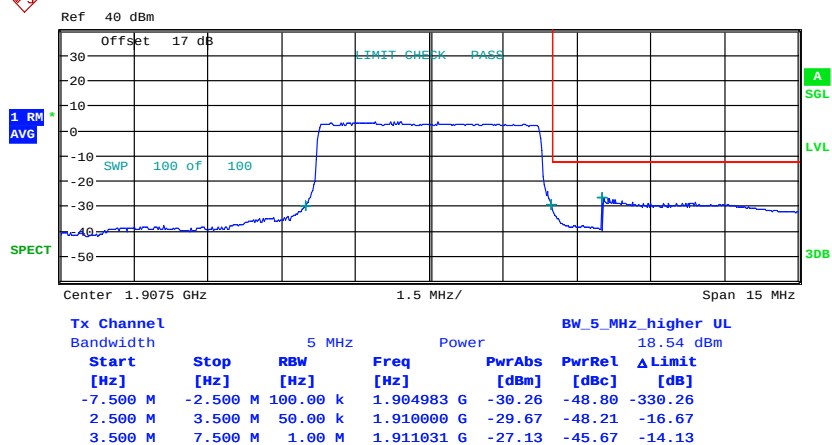
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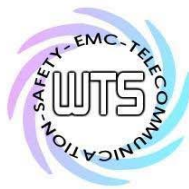
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Date: 11.AUG.2017 14:05:21



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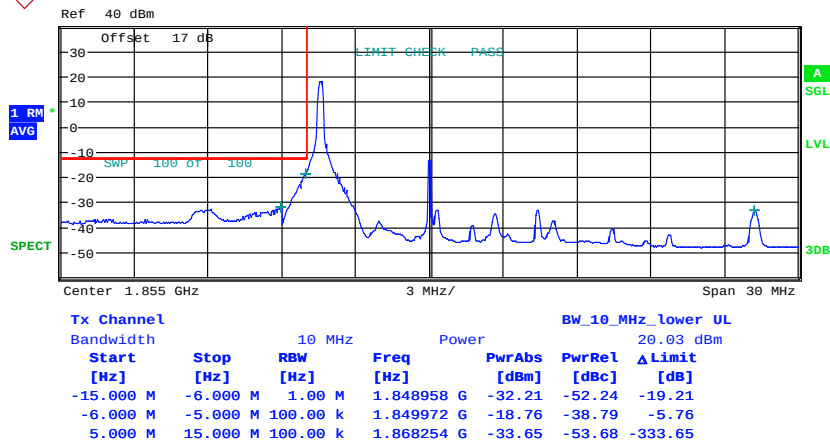
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Report Number: W6R21805-18133-P-247

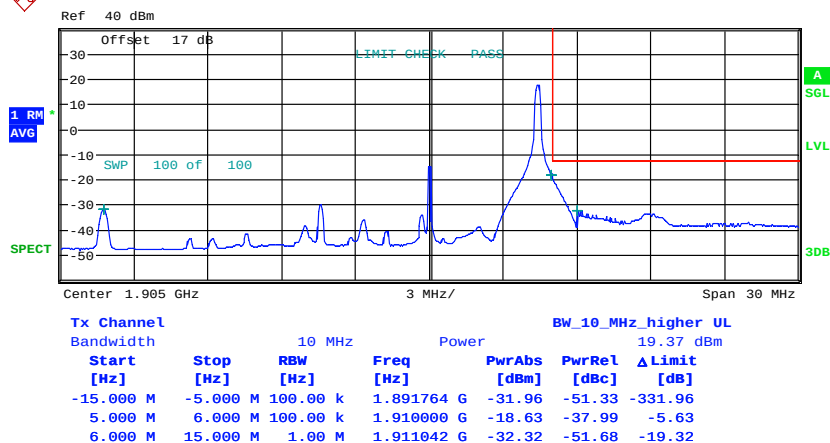
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10 MHz QPSK



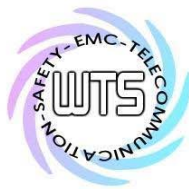
Bandedge Band2 QPSK 1RB 10MHz CH18650

Date: 11.AUG.2017 16:12:17



Bandedge Band2 QPSK 1RB 10MHz CH19150

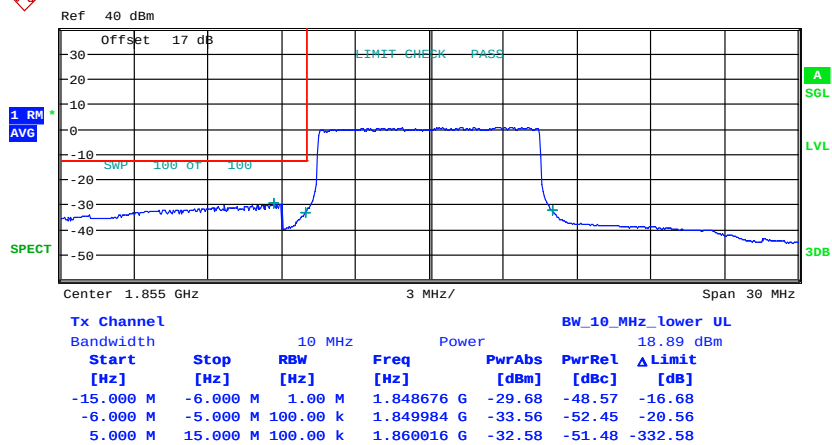
Date: 11.AUG.2017 17:07:01



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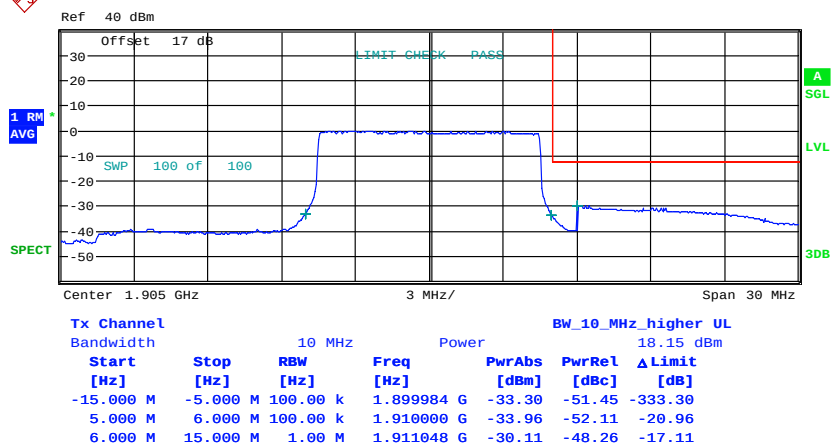
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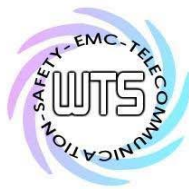
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Date: 11.AUG.2017 16:10:55



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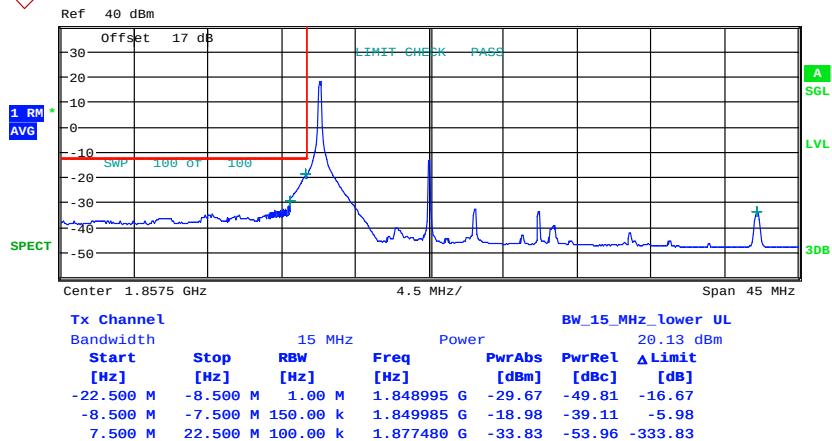
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Report Number: W6R21805-18133-P-247

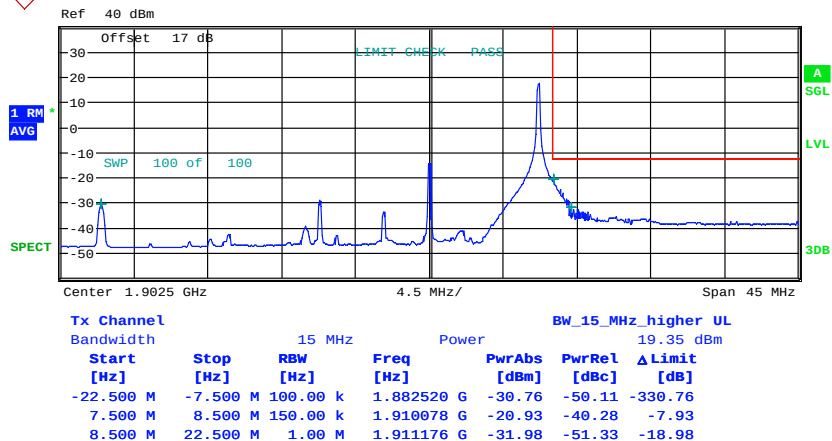
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15 MHz QPSK



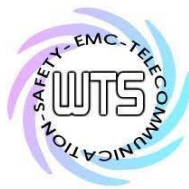
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Date: 11.AUG.2017 17:17:41



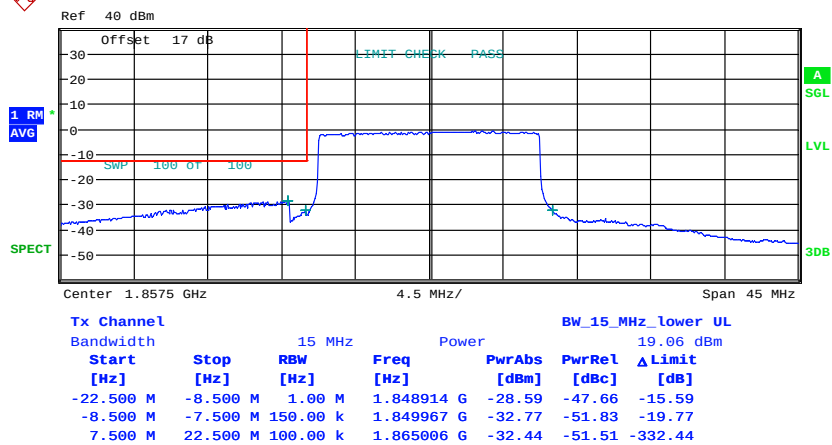
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Date: 11.AUG.2017 17:49:17



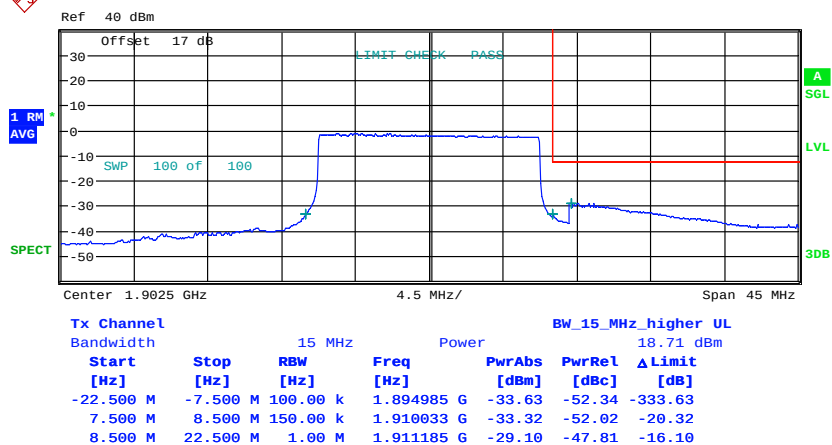
Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1



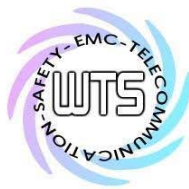
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Date: 11.AUG.2017 17:15:59



Bandedge Band2 QPSK FRB 15MHz CH19125

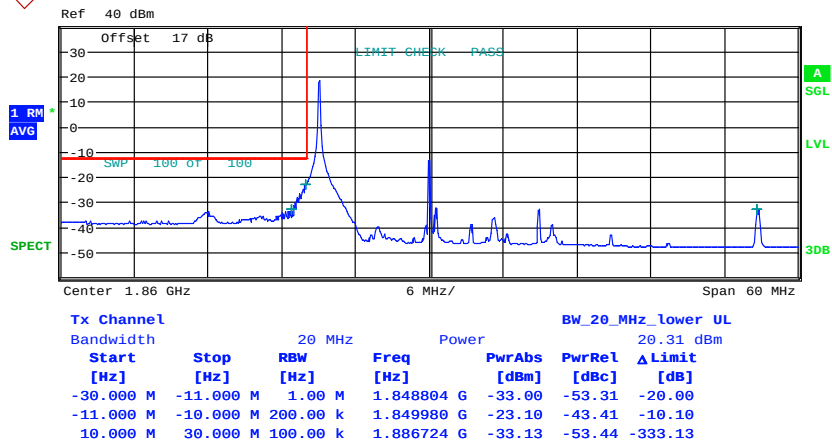
Date: 11.AUG.2017 17:50:59



Report Number: W6R21805-18133-P-247

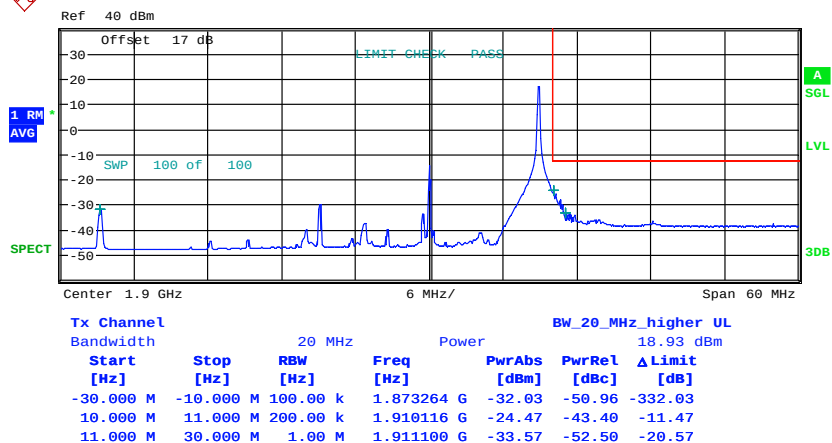
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20 MHz QPSK



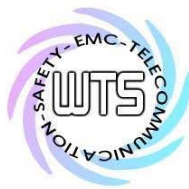
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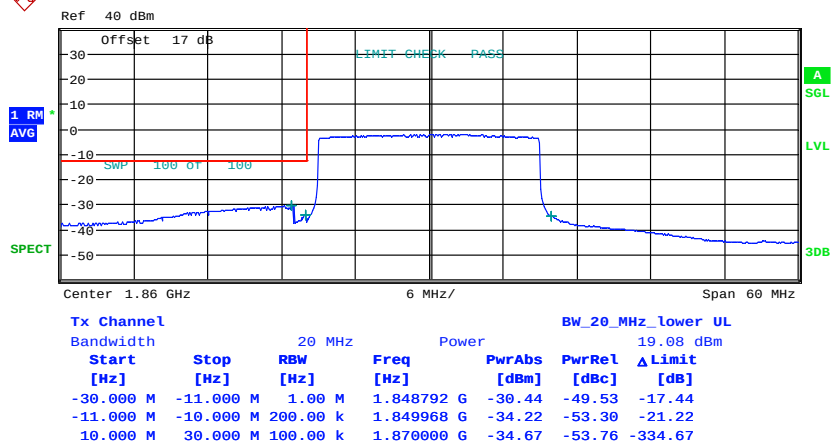
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Date: 11.AUG.2017 18:35:12



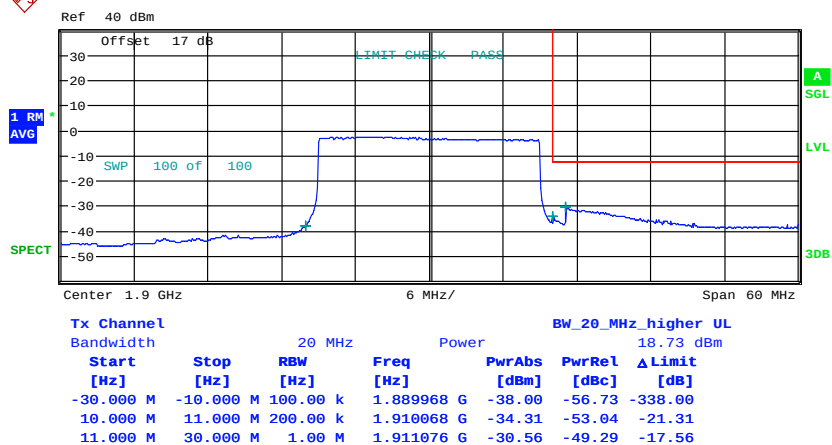
Report Number: W6R21805-18133-P-247

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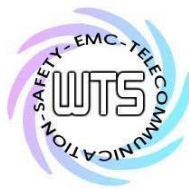
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Date: 11.AUG.2017 17:57:11



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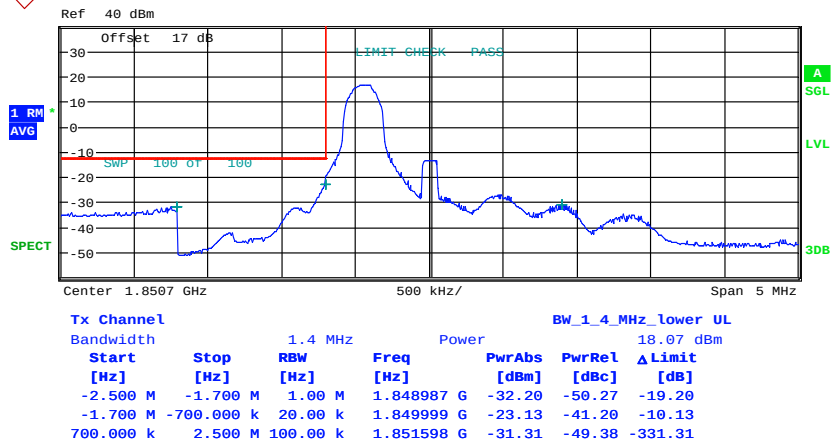
Date: 11.AUG.2017 18:37:16



Report Number: W6R21805-18133-P-247

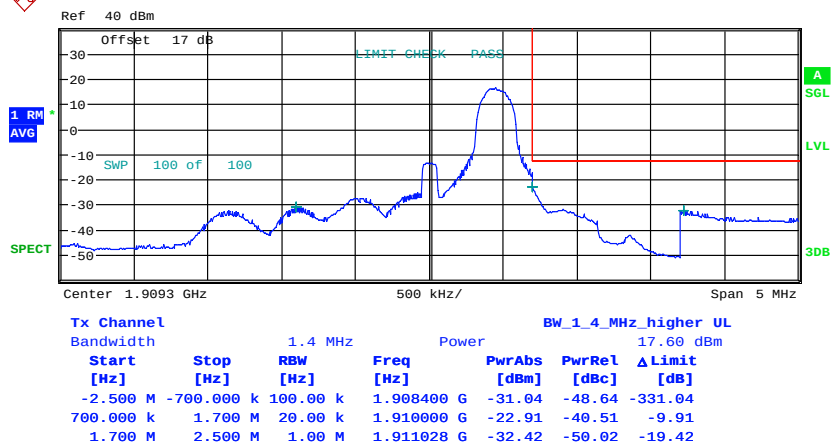
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1.4 MHz 16QAM



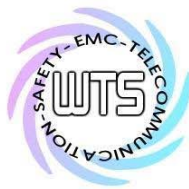
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Date: 10.AUG.2017 16:09:27



Bandedge Band2 16QAM 1RB 1.4MHz CH19193

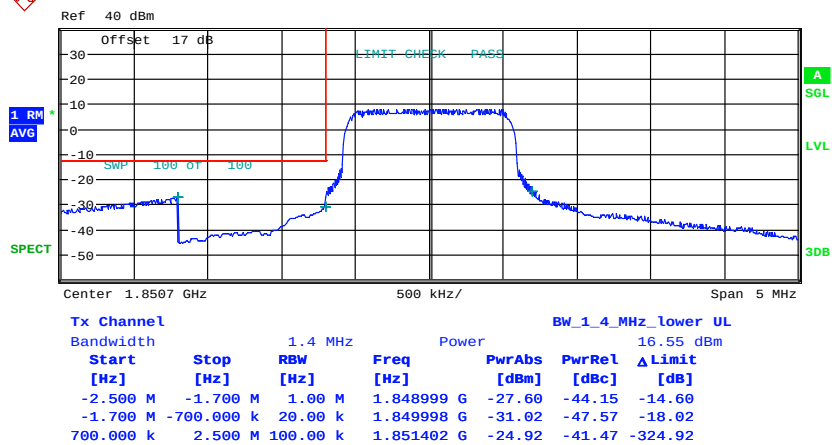
Date: 10.AUG.2017 17:47:28



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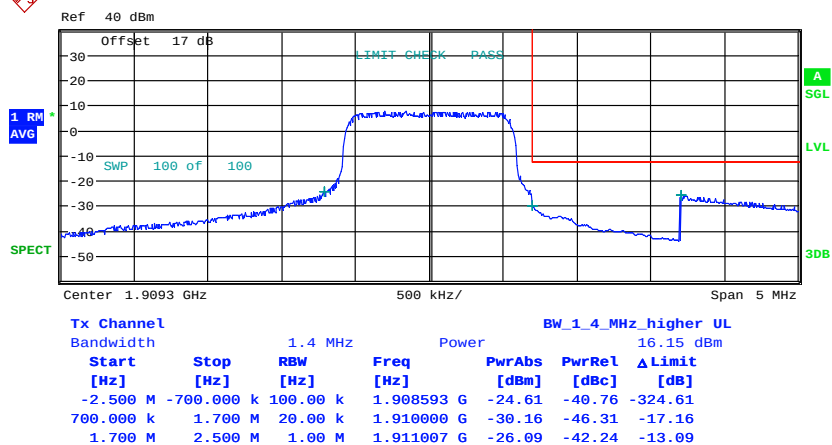
Report Number: W6R21805-18133-P-247

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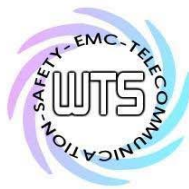
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Date: 10.AUG.2017 16:11:13



Bandedge Band2 16QAM FRB 1.4MHz CH19193

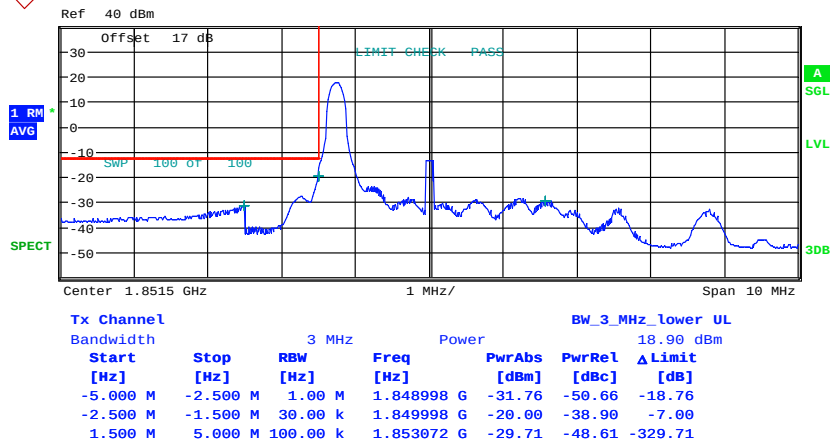
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Report Number: W6R21805-18133-P-247

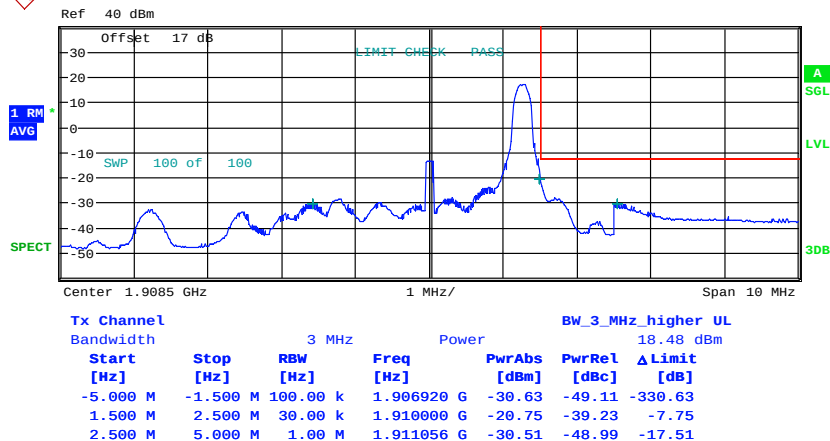
FCC ID: GX9FPHUB1

3 MHz 16QAM



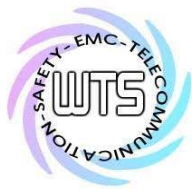
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Date: 11.AUG.2017 11:02:27



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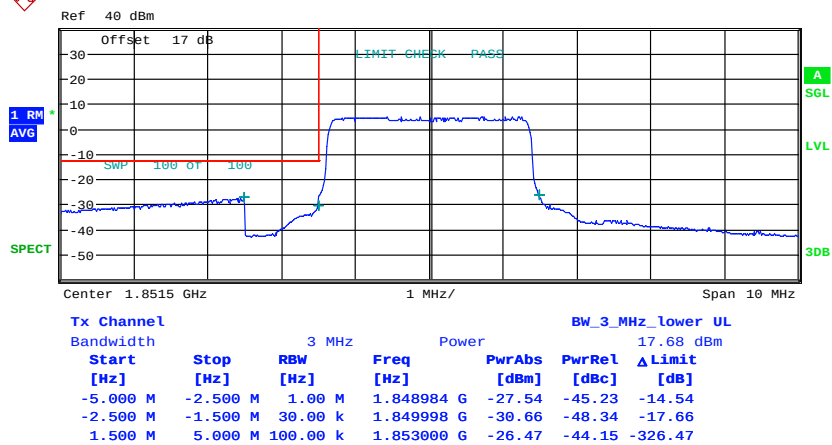
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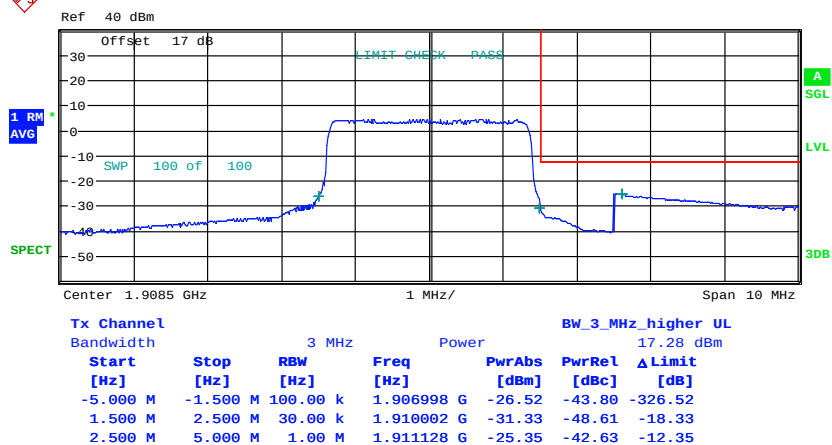
Report Number: W6R21805-18133-P-247

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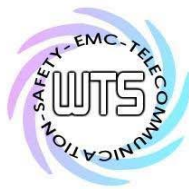
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Date: 11.AUG.2017 11:01:16



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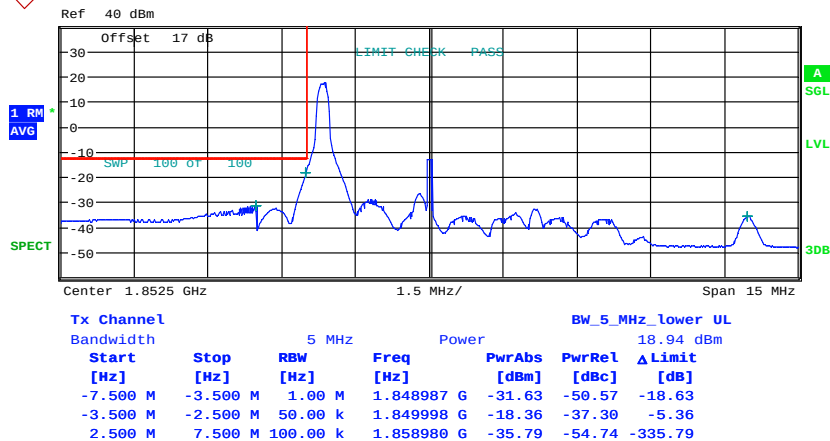
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Report Number: W6R21805-18133-P-247

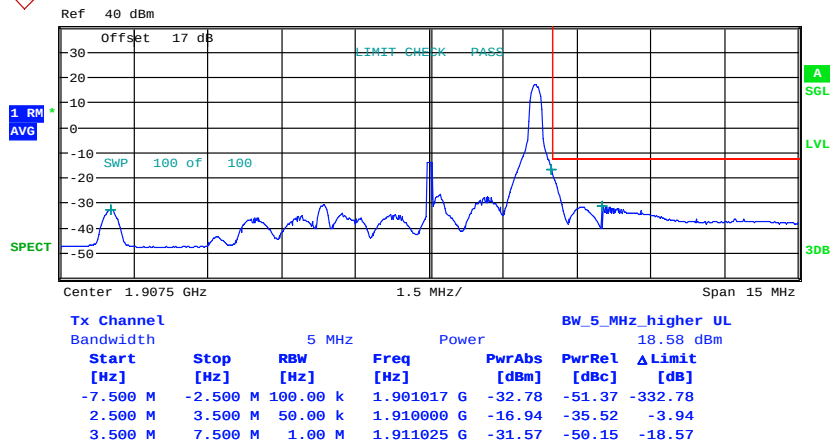
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5 MHz 16QAM



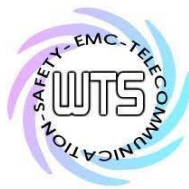
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Date: 11.AUG.2017 14:07:35



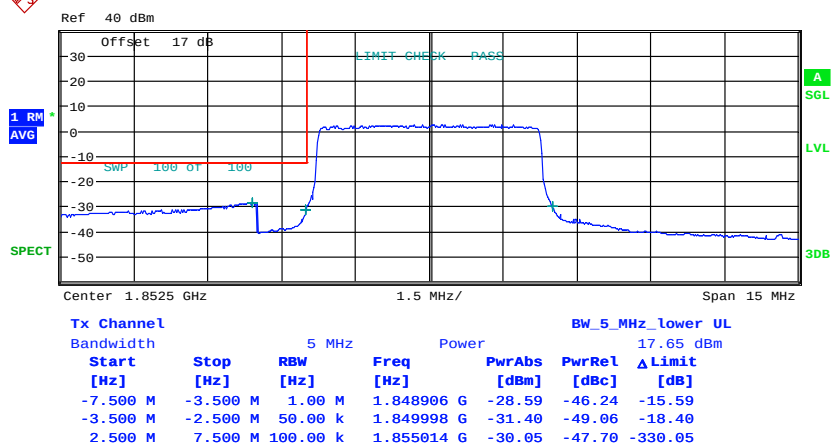
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Date: 11.AUG.2017 15:29:29



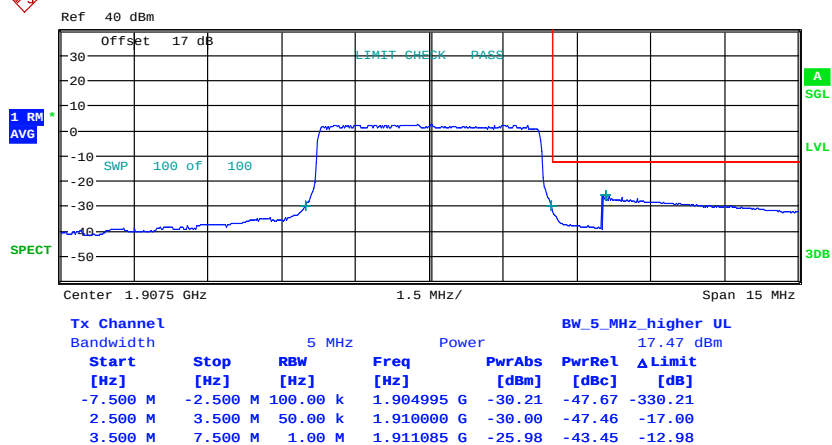
Report Number: W6R21805-18133-P-247

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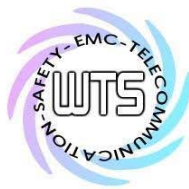
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Date: 11.AUG.2017 14:08:39



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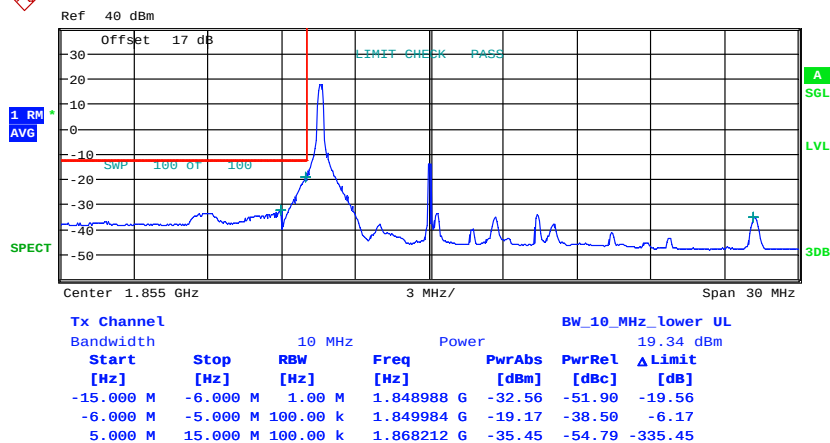
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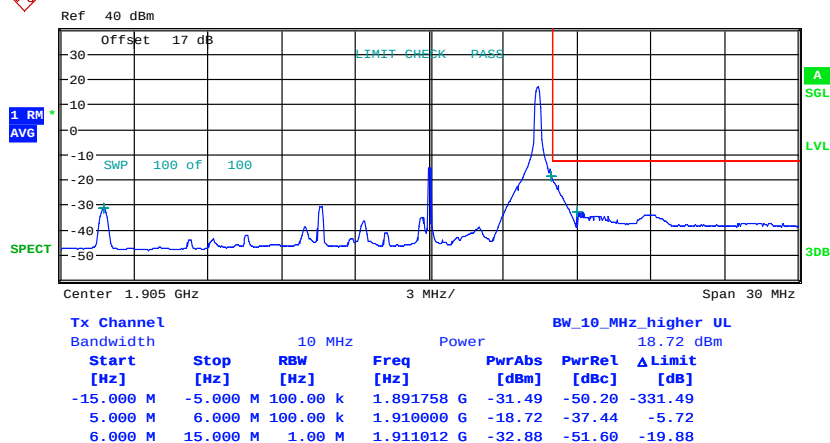
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10 MHz 16QAM



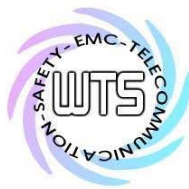
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Date: 11.AUG.2017 16:13:43



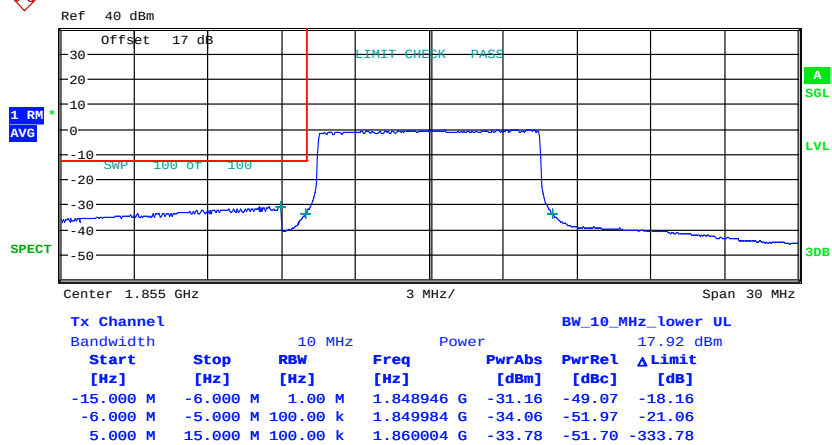
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Date: 11.AUG.2017 17:05:30



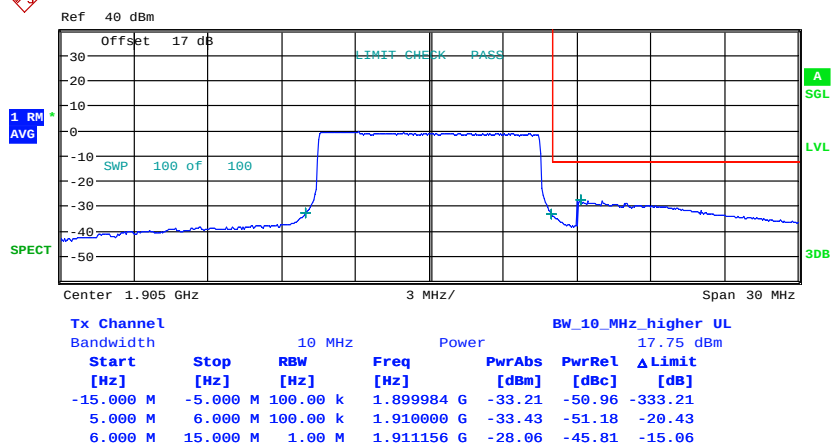
Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1



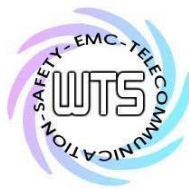
Bandedge Band2 16QAM FRB 10MHz CH18650

Date: 11.AUG.2017 16:15:06



Bandedge Band2 16QAM FRB 10MHz CH19150

Date: 11.AUG.2017 17:04:02

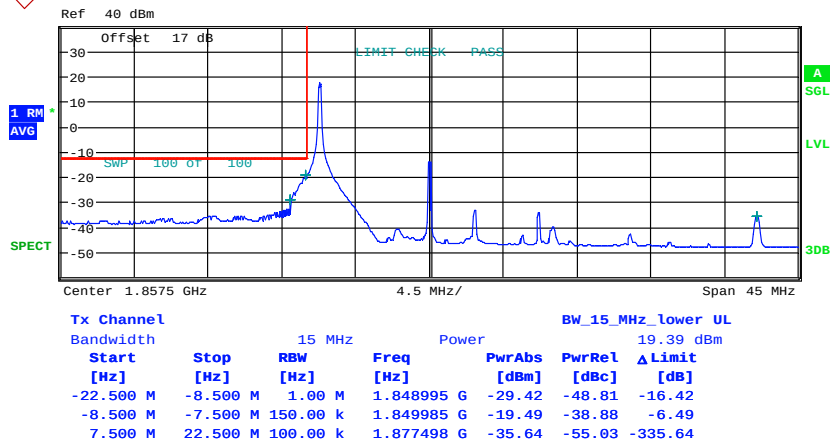


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Report Number: W6R21805-18133-P-247

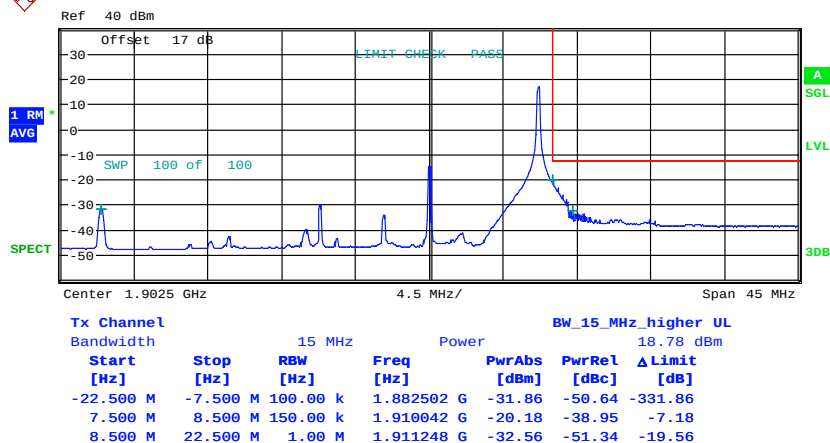
FCC ID: GX9FPHUB1

15 MHz 16QAM



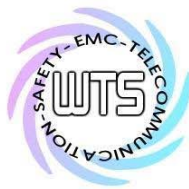
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Date: 11.AUG.2017 17:19:25



Bandedge Band2 16QAM 1RB 15MHz CH19125

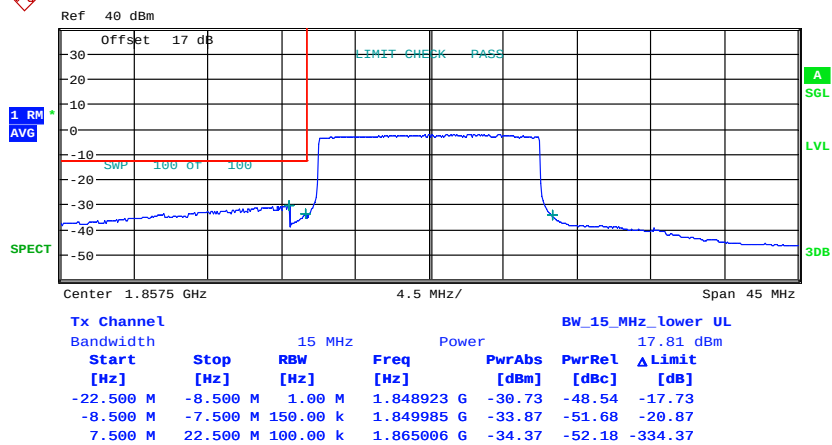
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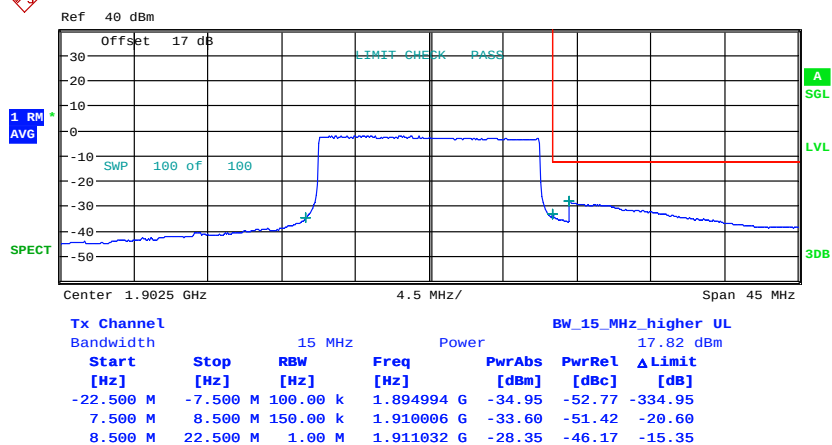
Report Number: W6R21805-18133-P-247

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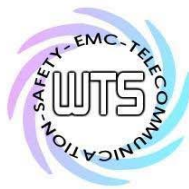
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Date: 11.AUG.2017 17:21:33



Bandedge Band2 16QAM FRB 15MHz CH19125

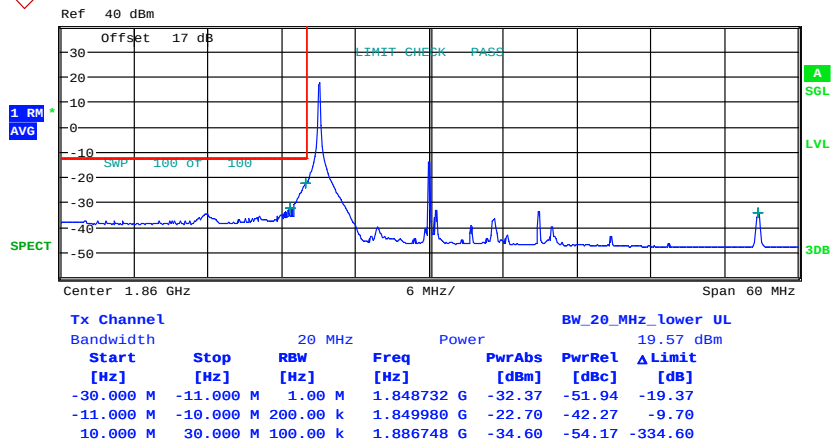
Date: 11.AUG.2017 17:45:17



Report Number: W6R21805-18133-P-247

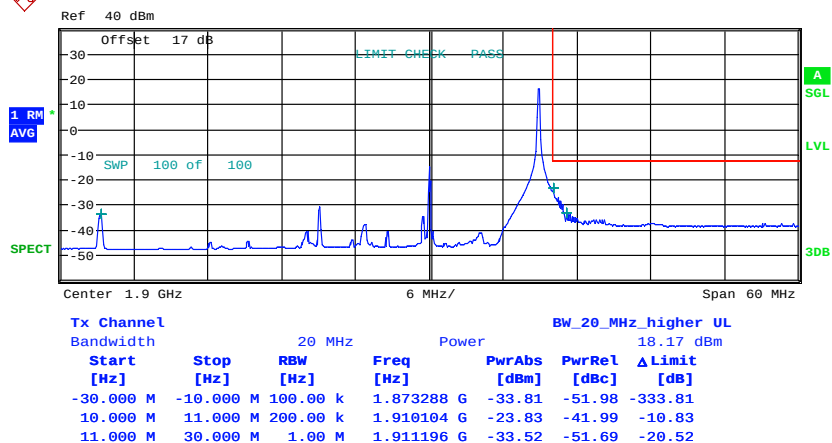
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20 MHz 16QAM



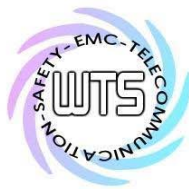
Bandedge Band2 16QAM 1RB 20MHz CH18700

Date: 11.AUG.2017 18:01:24



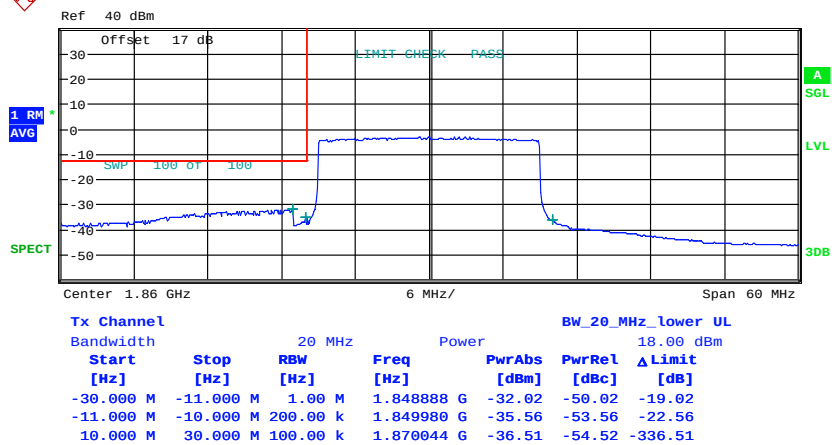
Bandedge Band2 16QAM 1RB 20MHz CH19100

Date: 11.AUG.2017 18:33:06



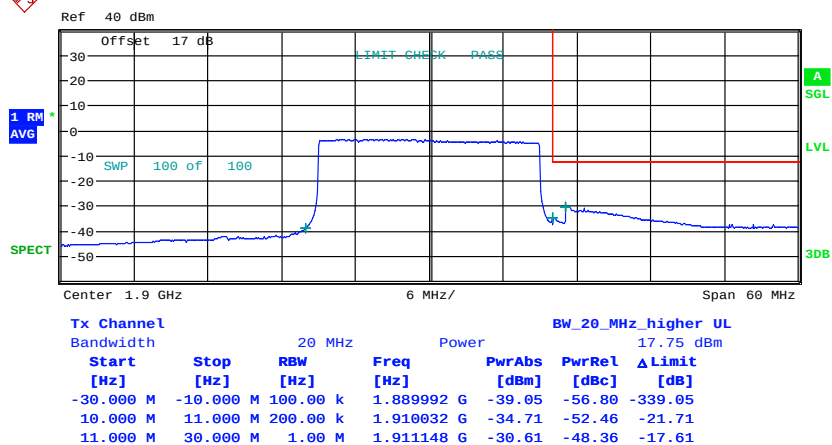
Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1



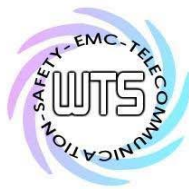
Bandedge Band2 16QAM FRB 20MHz CH18700

Date: 11.AUG.2017 18:03:49



Bandedge Band2 16QAM FRB 20MHz CH19100

Date: 11.AUG.2017 18:31:08

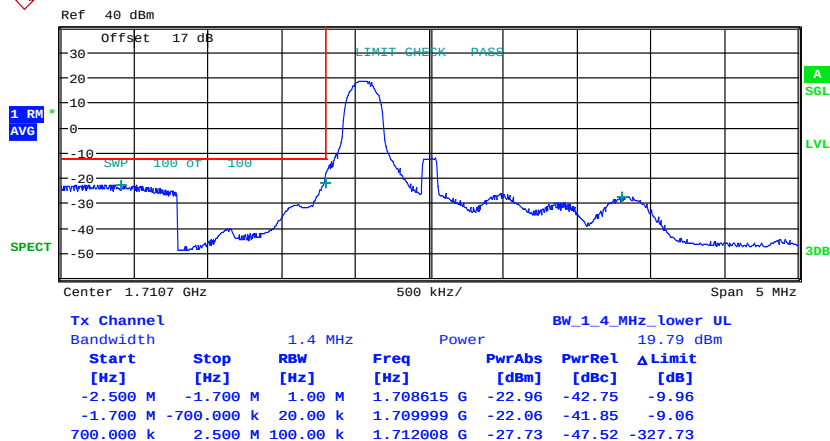


Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

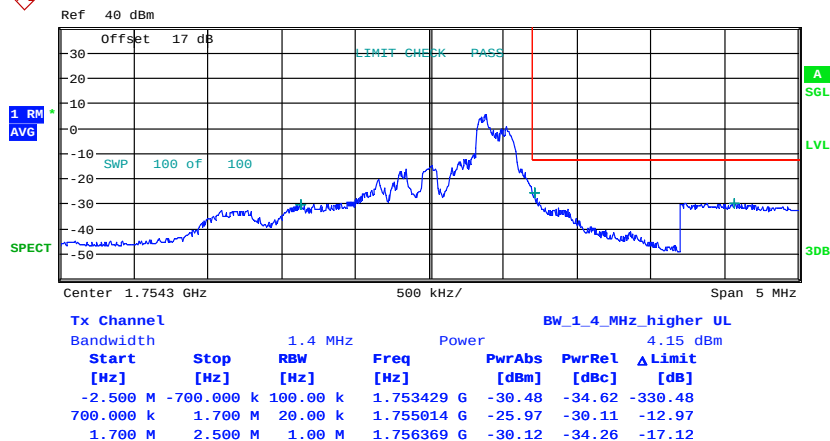
Band 4

1.4 MHz QPSK



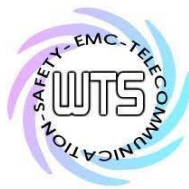
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Date: 10.AUG.2017 17:35:28



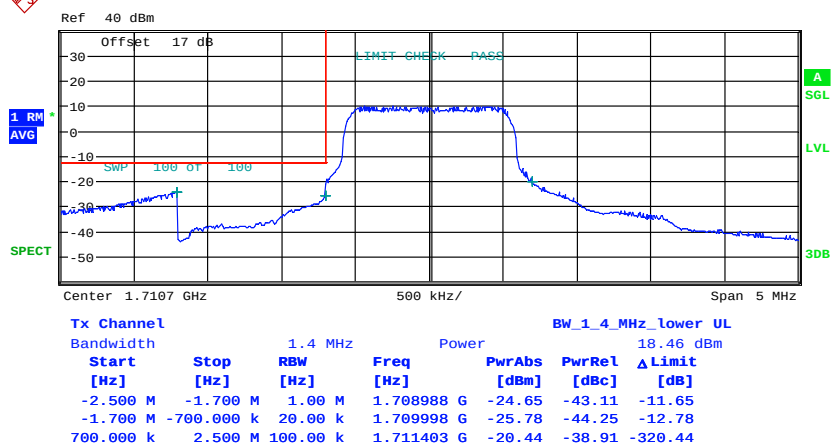
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Date: 10.AUG.2017 18:00:45



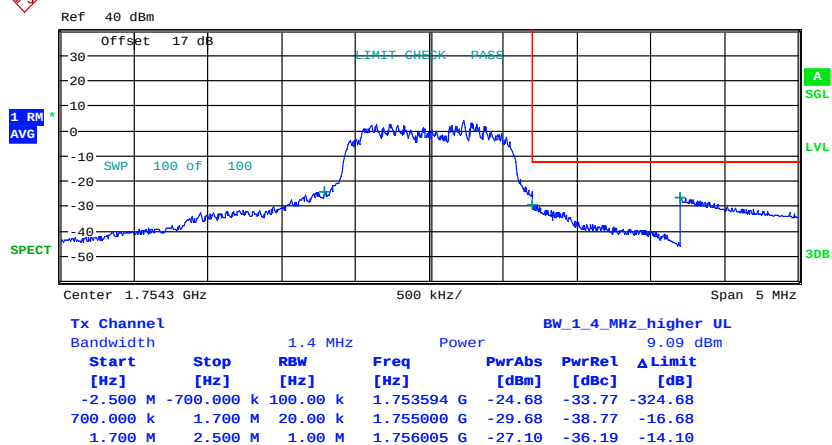
Report Number: W6R21805-18133-P-247

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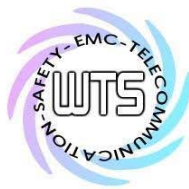
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Date: 10.AUG.2017 17:25:39



Bandedge Band4 QPSK FRB 1.4MHz CH20393

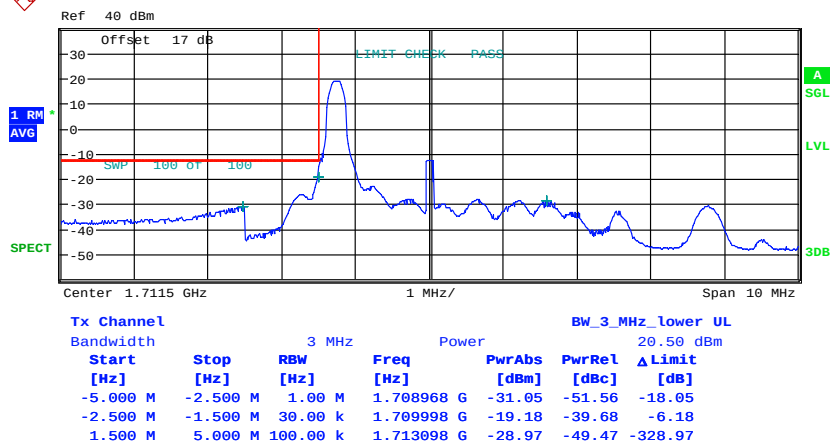
Date: 10.AUG.2017 17:56:44



Report Number: W6R21805-18133-P-247

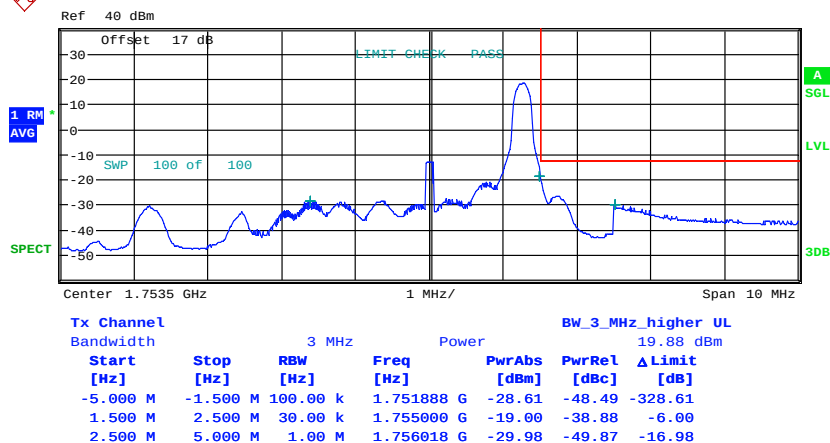
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3 MHz QPSK



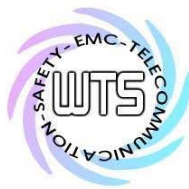
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Date: 11.AUG.2017 11:15:06



Bandedge Band4 QPSK 1RB 3MHz CH20385

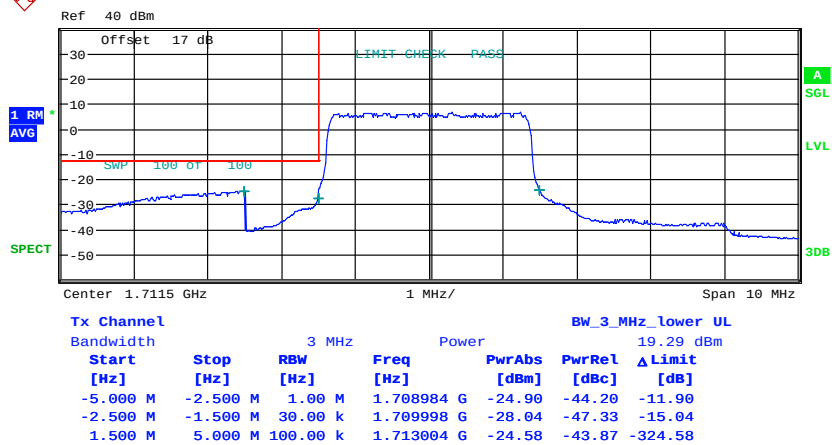
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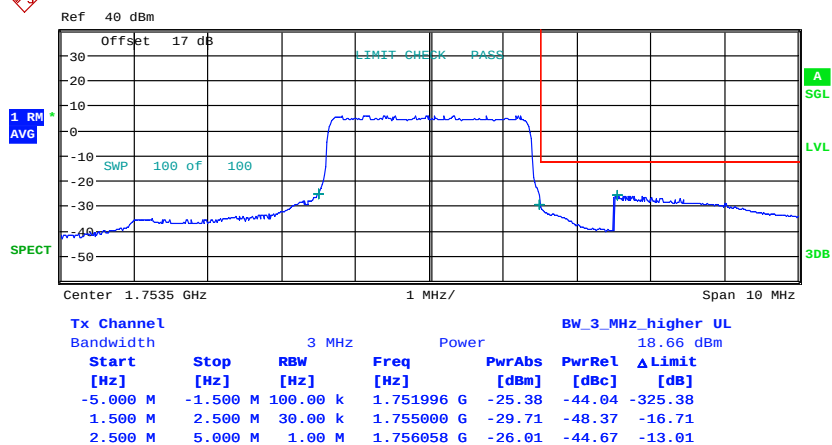
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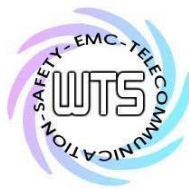
Bandedge Band4 QPSK FRB 3MHz CH19965

Date: 11.AUG.2017 11:13:53



Bandedge Band4 QPSK 1RB 3MHz CH20385

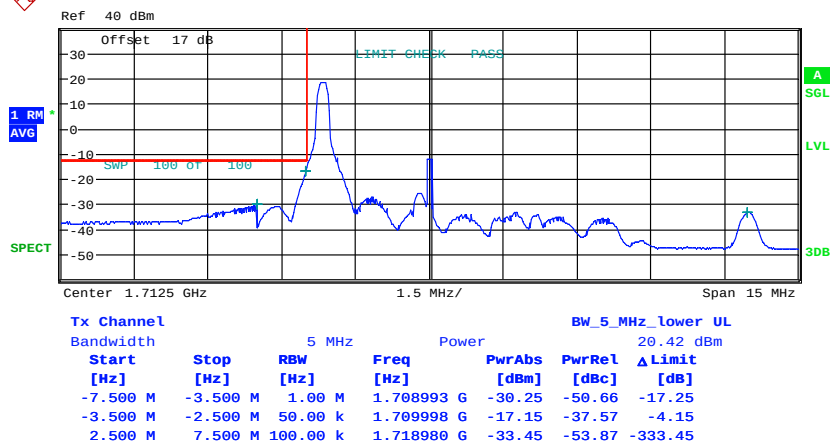
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Report Number: W6R21805-18133-P-247

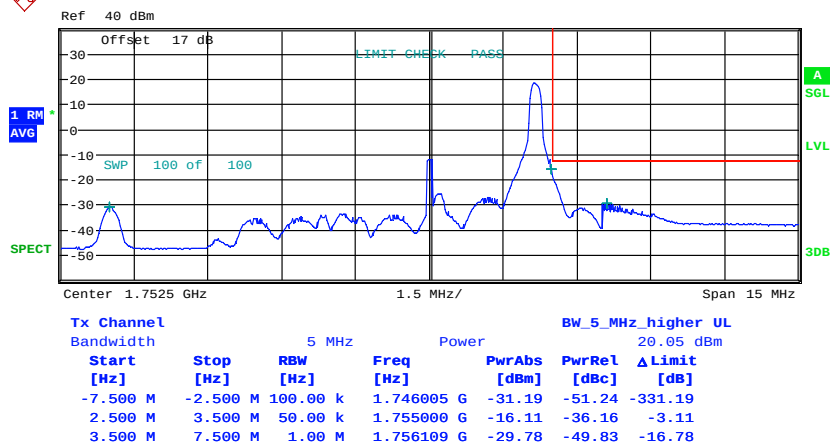
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5 MHz QPSK



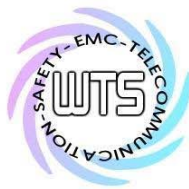
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Date: 11.AUG.2017 14:25:34



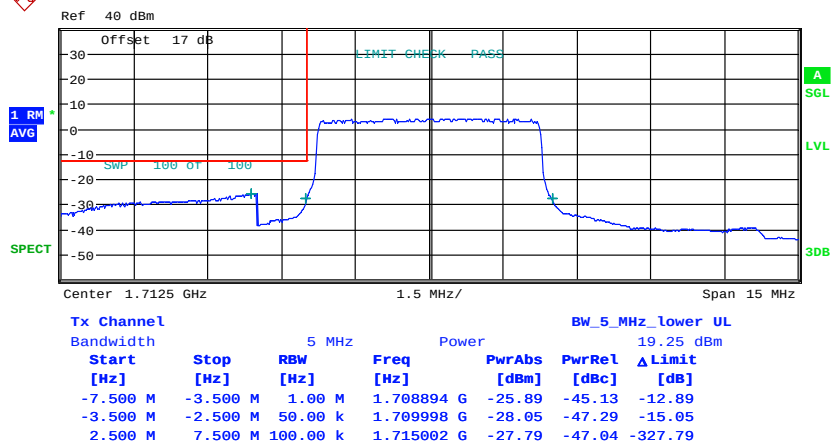
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Date: 11.AUG.2017 15:50:18



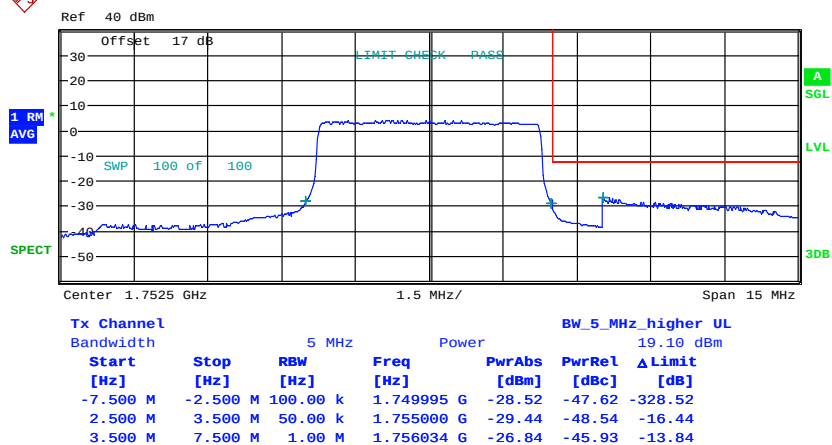
Report Number: W6R21805-18133-P-247

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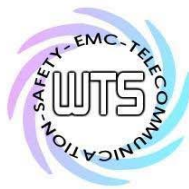
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Date: 11.AUG.2017 14:29:39



Bandedge Band4 QPSK FRB 5MHz CH20375

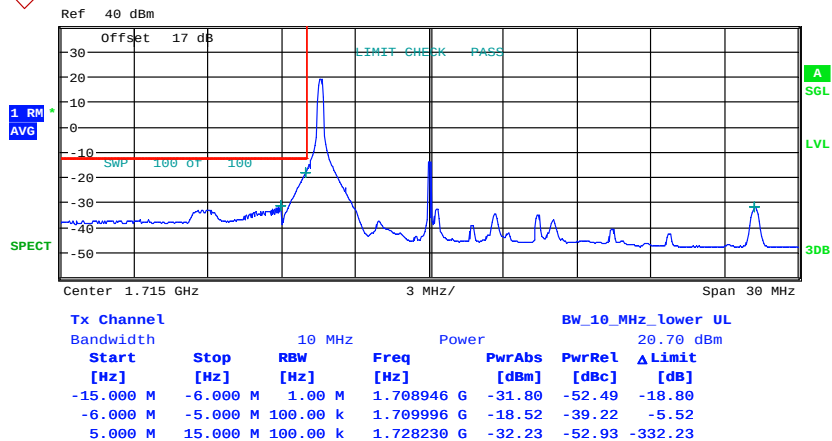
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Report Number: W6R21805-18133-P-247

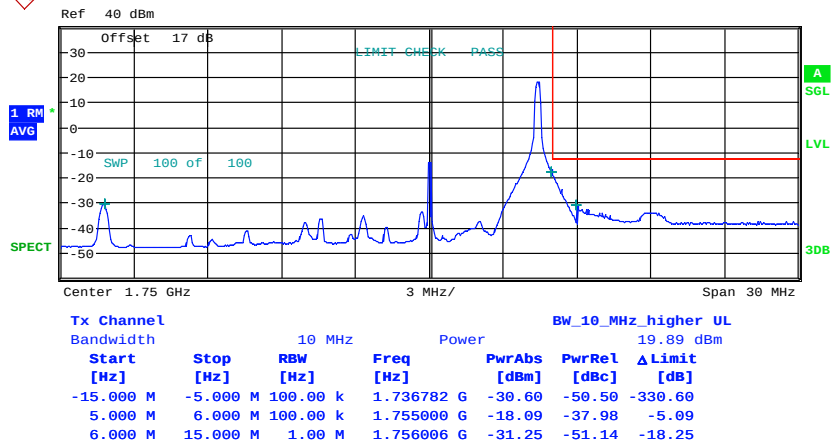
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10 MHz QPSK



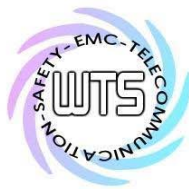
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Date: 11.AUG.2017 16:20:07



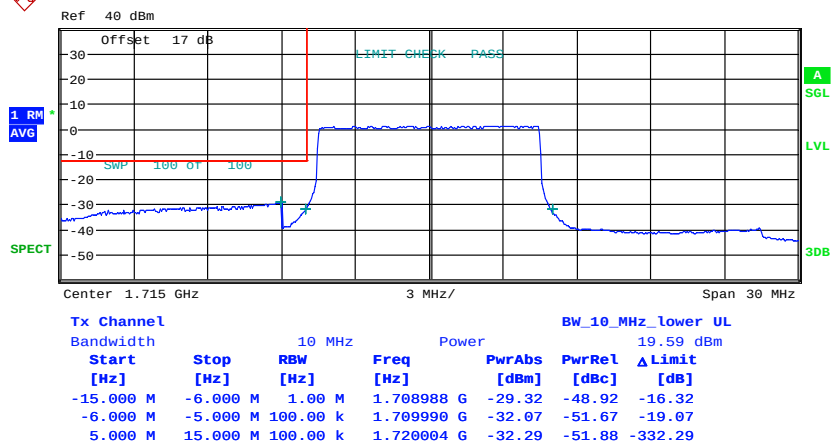
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Date: 11.AUG.2017 16:59:00



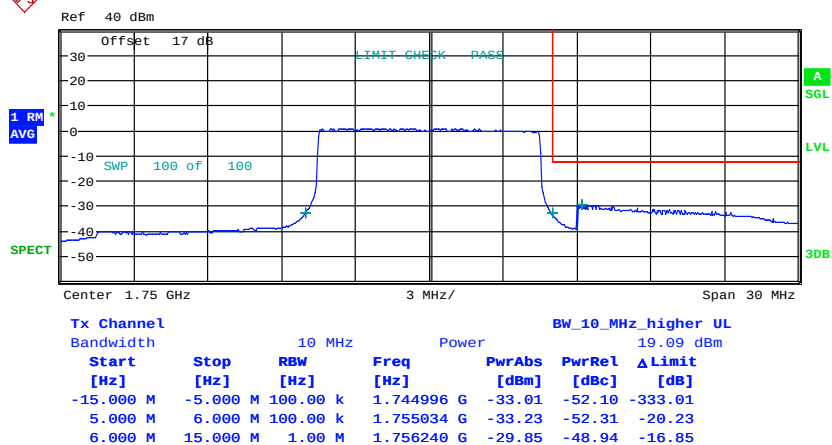
Report Number: W6R21805-18133-P-247

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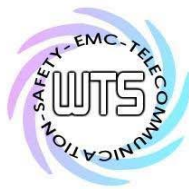
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Date: 11.AUG.2017 16:21:30



Bandedge Band4 QPSK FRB 10MHz CH20350

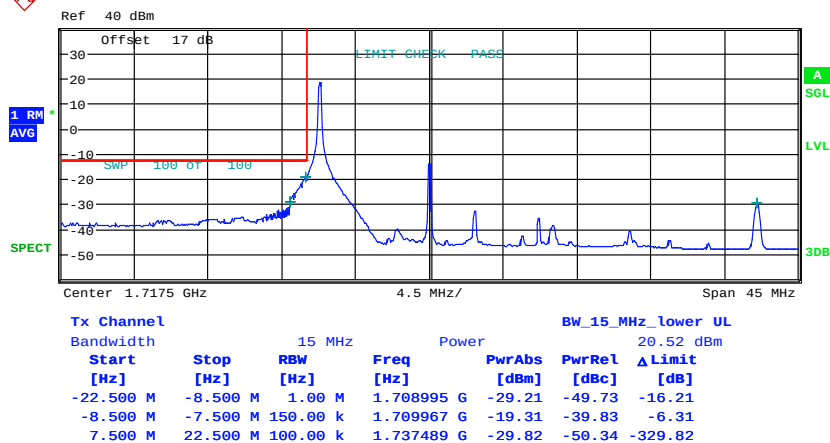
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Report Number: W6R21805-18133-P-247

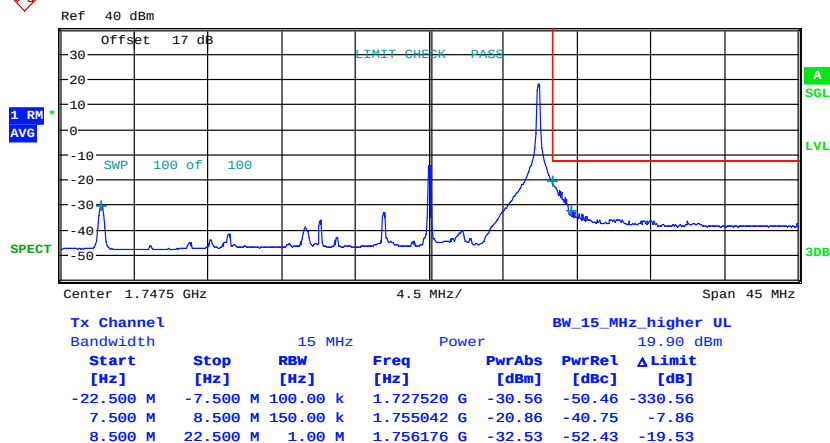
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15 MHz QPSK



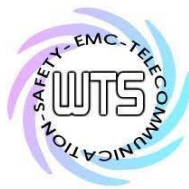
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Date: 11.AUG.2017 17:29:40



Bandedge Band4 QPSK 1RB 15MHz CH20325

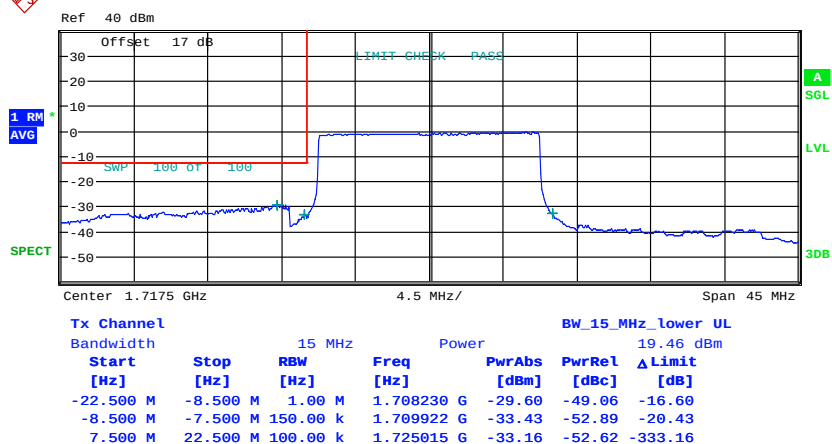
Date: 11.AUG.2017 17:37:37



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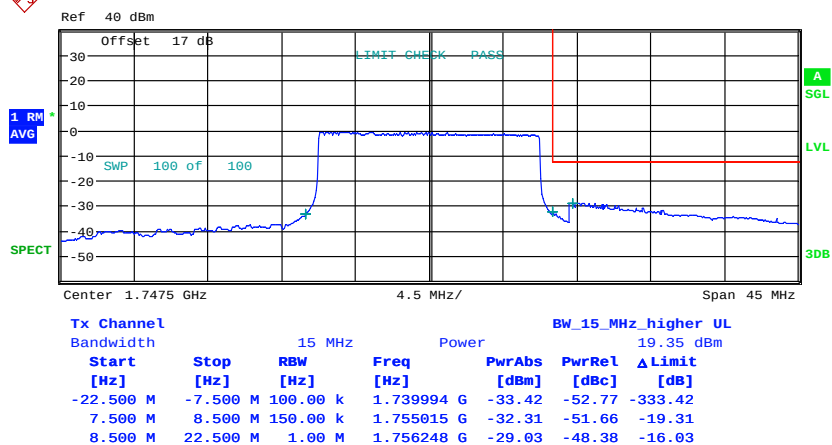
Report Number: W6R21805-18133-P-247

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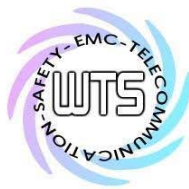
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Date: 11.AUG.2017 17:31:31



Bandedge Band4 QPSK FRB 15MHz CH20325

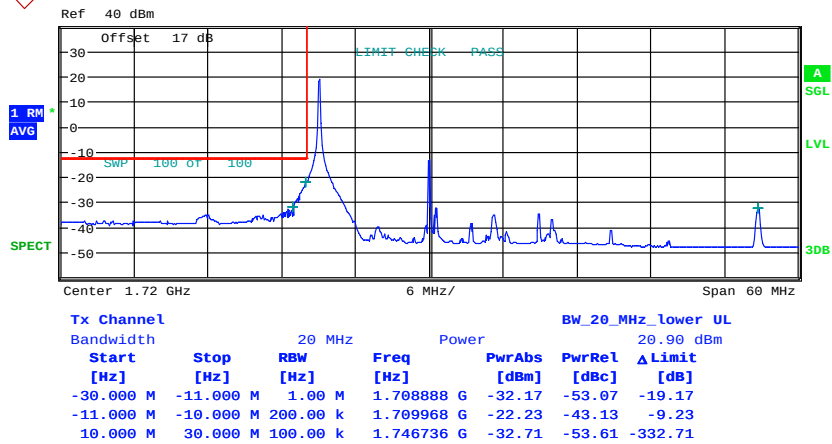
Date: 11.AUG.2017 17:35:44



Report Number: W6R21805-18133-P-247

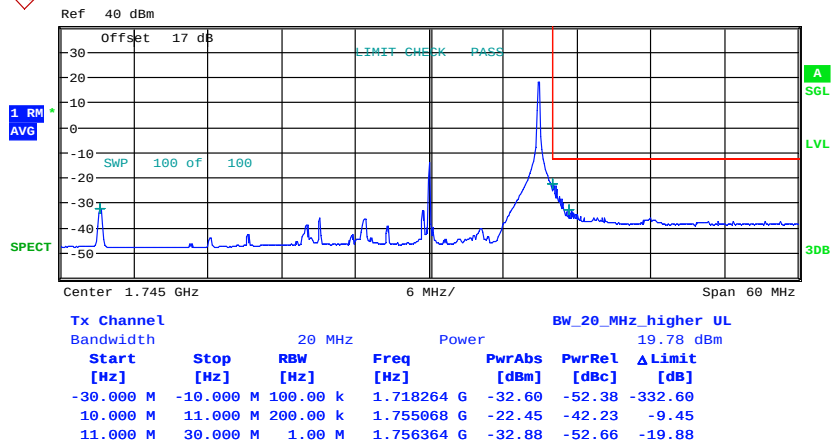
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20 MHz QPSK



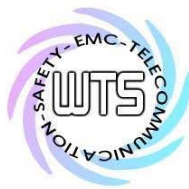
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Date: 11.AUG.2017 18:12:57



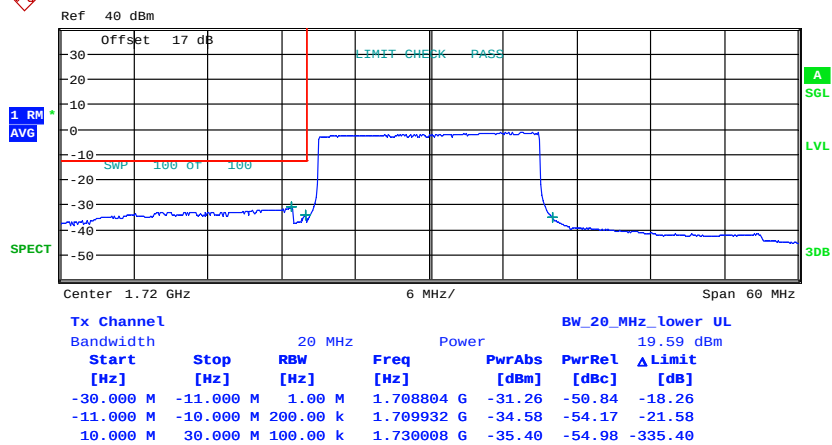
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Date: 11.AUG.2017 18:23:44



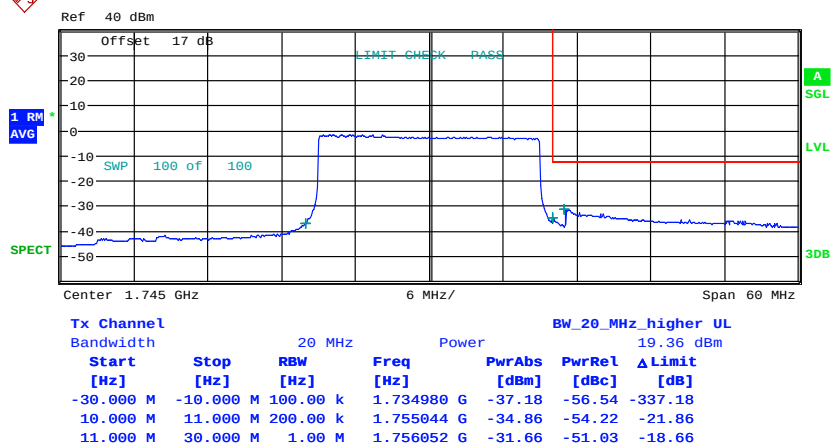
Report Number: W6R21805-18133-P-247

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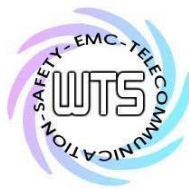
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Date: 11.AUG.2017 18:15:04



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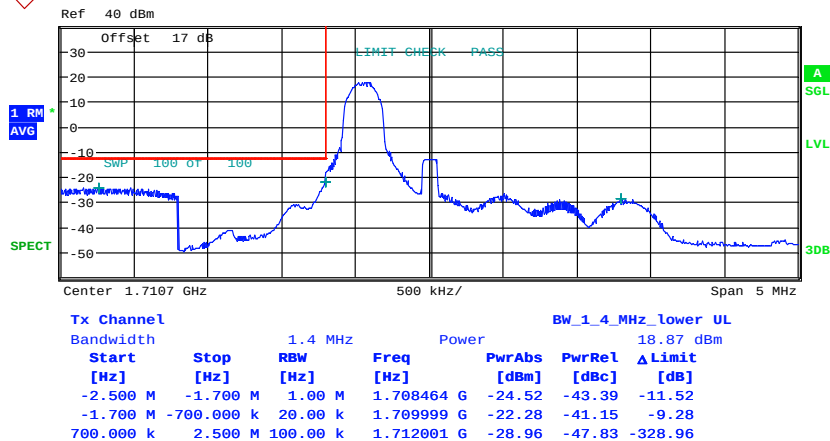
Date: 11.AUG.2017 18:21:39



Report Number: W6R21805-18133-P-247

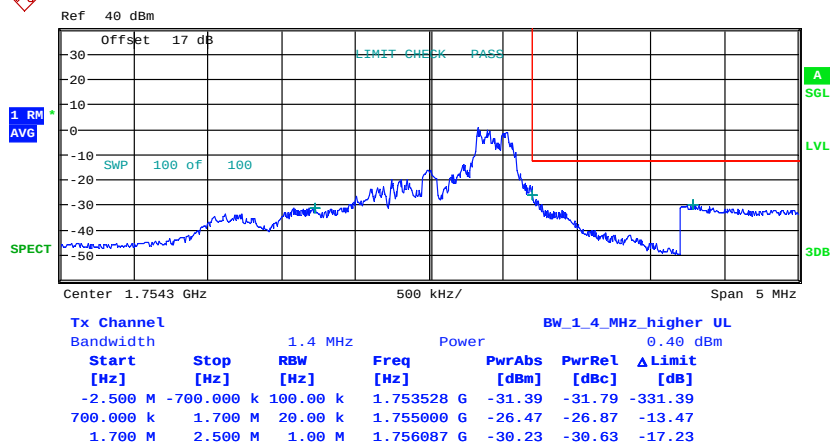
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1.4 MHz 16QAM



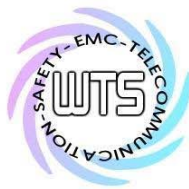
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Date: 10.AUG.2017 17:37:20



Bandedge Band4 16QAM 1RB 1.4MHz CH20393

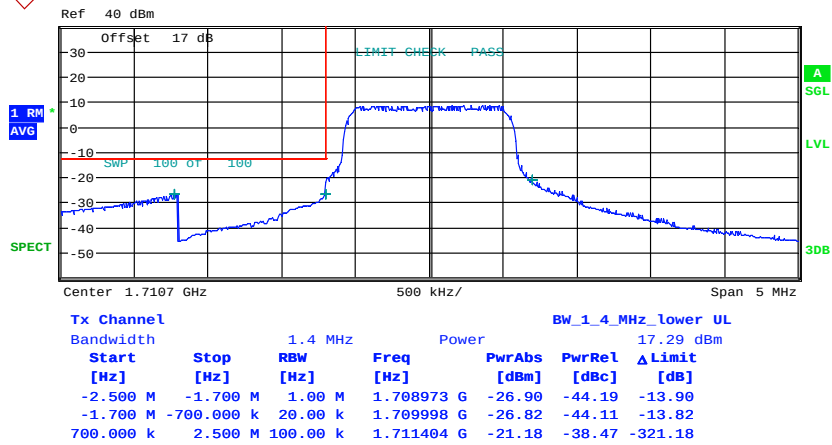
Date: 10.AUG.2017 18:04:32



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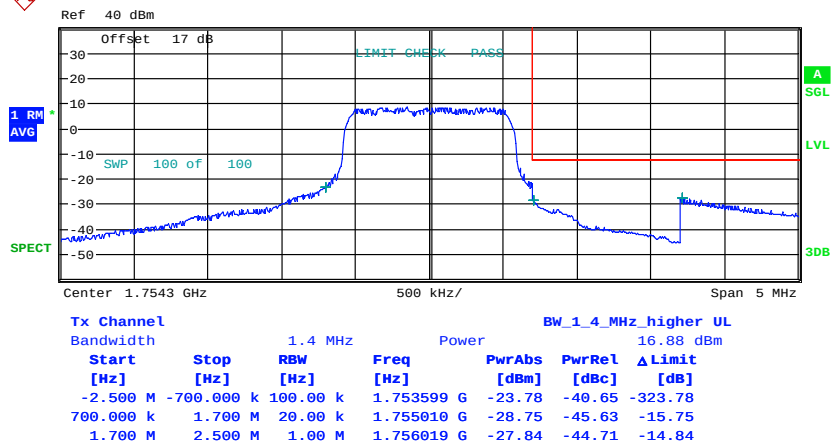
Report Number: W6R21805-18133-P-247

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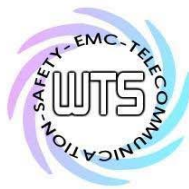
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Date: 10.AUG.2017 17:39:07



Bandedge Band4 16QAM FRB 1.4MHz CH20393

Date: 10.AUG.2017 18:07:08

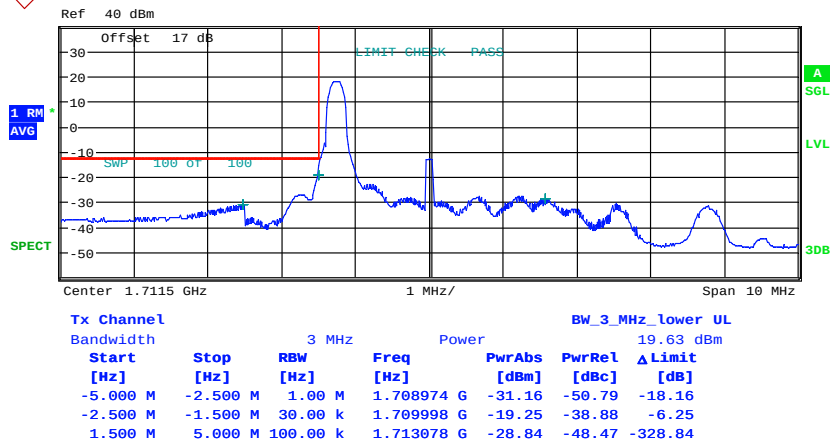


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Report Number: W6R21805-18133-P-247

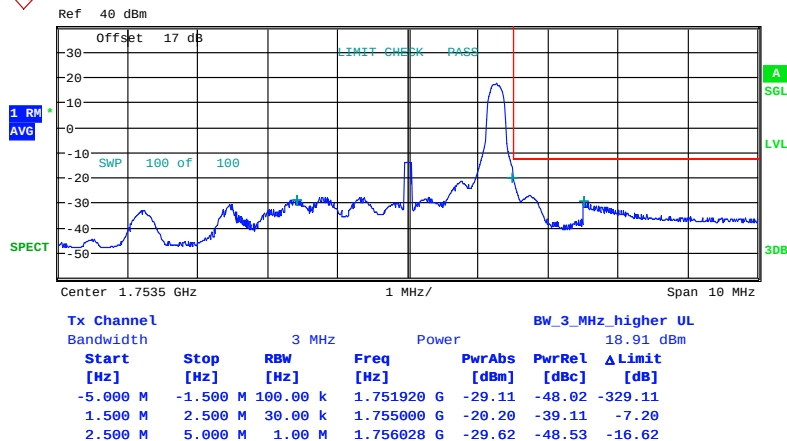
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3 MHz 16QAM



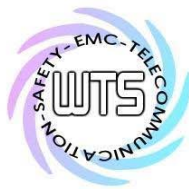
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Date: 11.AUG.2017 11:11:12



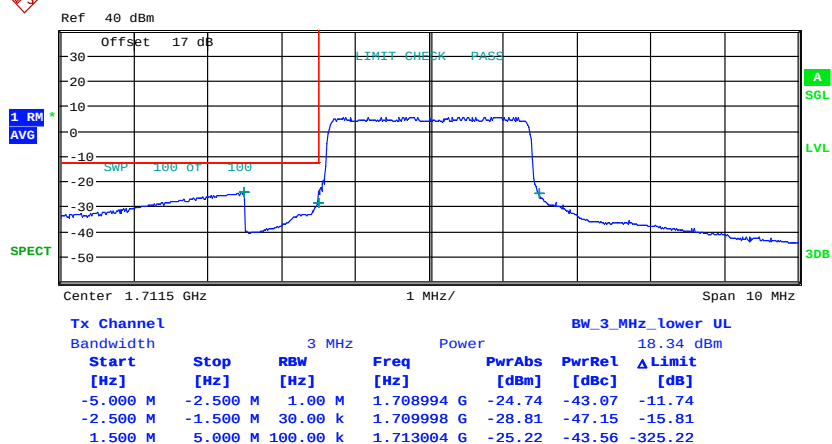
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Date: 11.AUG.2017 14:43:59



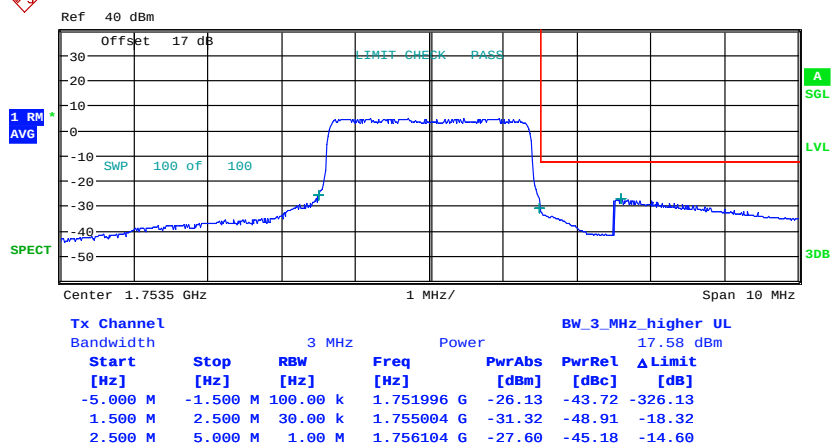
Report Number: W6R21805-18133-P-247

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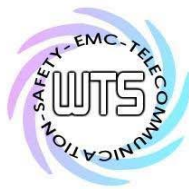
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Date: 11.AUG.2017 11:12:32



Bandedge Band4 16QAM FRB 3MHz CH20385

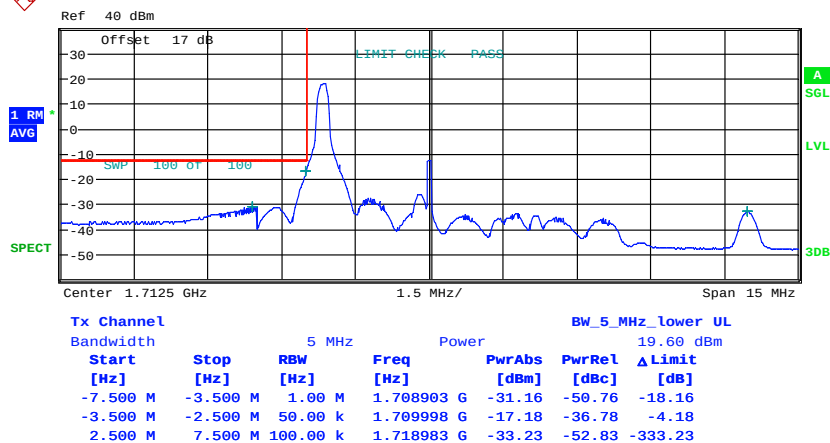
Date: 11.AUG.2017 14:42:31



Report Number: W6R21805-18133-P-247

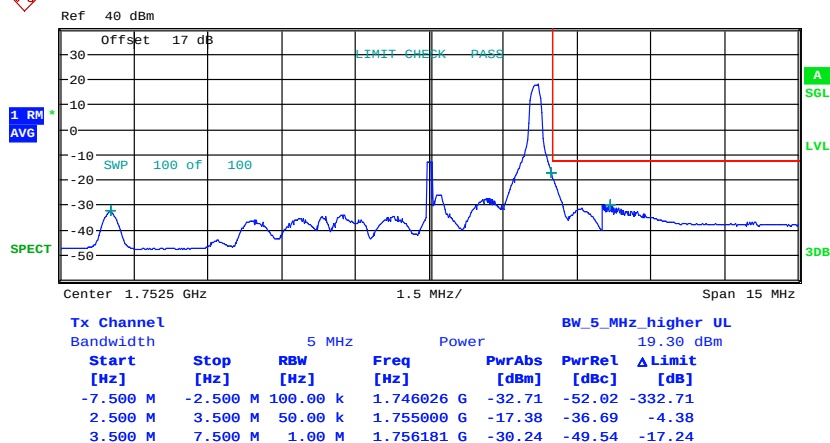
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5 MHz 16QAM



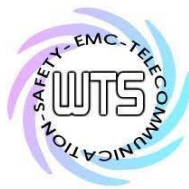
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Date: 11.AUG.2017 14:24:07



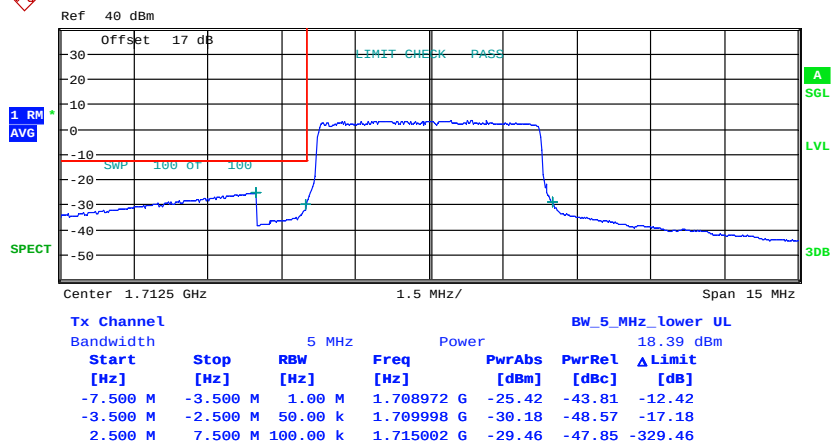
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Date: 11.AUG.2017 15:49:00



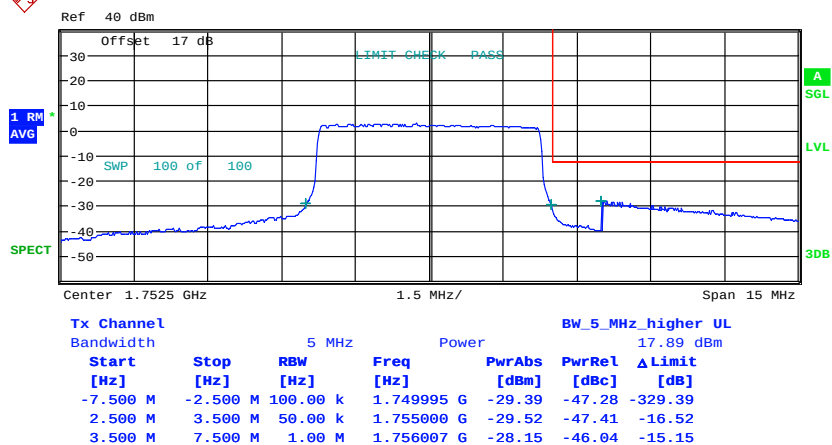
Report Number: W6R21805-18133-P-247

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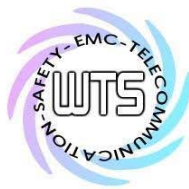
Bandedge Band4 16QAM FRB 5MHz CH19975

Date: 11.AUG.2017 14:22:53



Bandedge Band4 16QAM FRB 5MHz CH20375

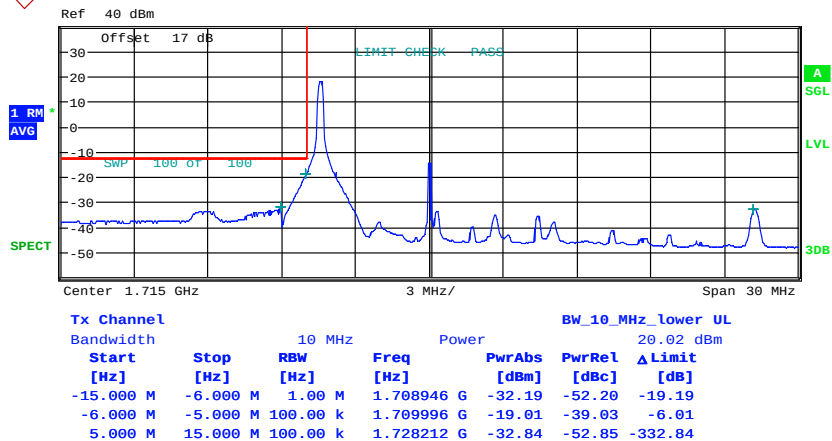
Date: 11.AUG.2017 15:47:45



Report Number: W6R21805-18133-P-247

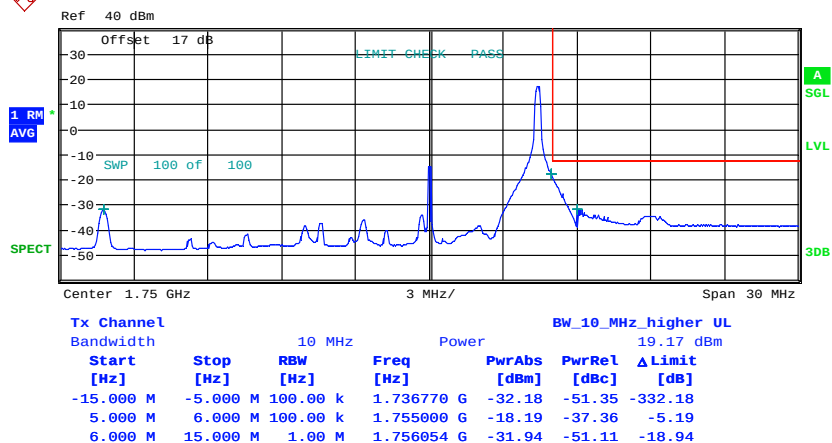
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10 MHz 16QAM



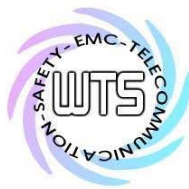
Bandedge Band4 16QAM 1RB 10MHz CH20000

Date: 11.AUG.2017 16:18:39



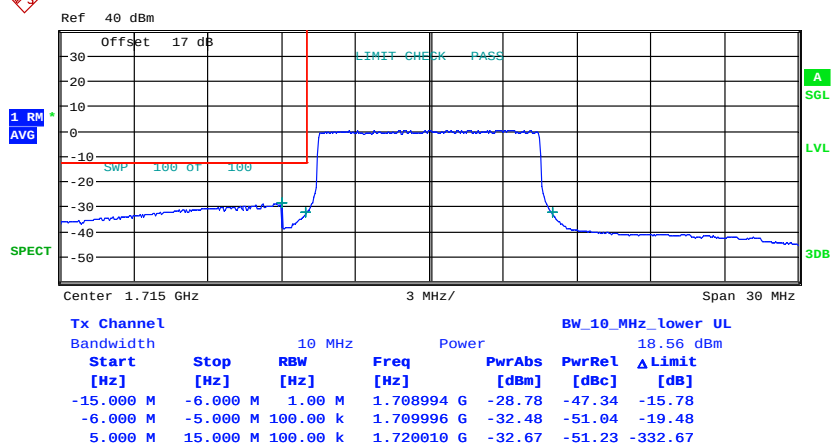
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Date: 11.AUG.2017 17:00:24



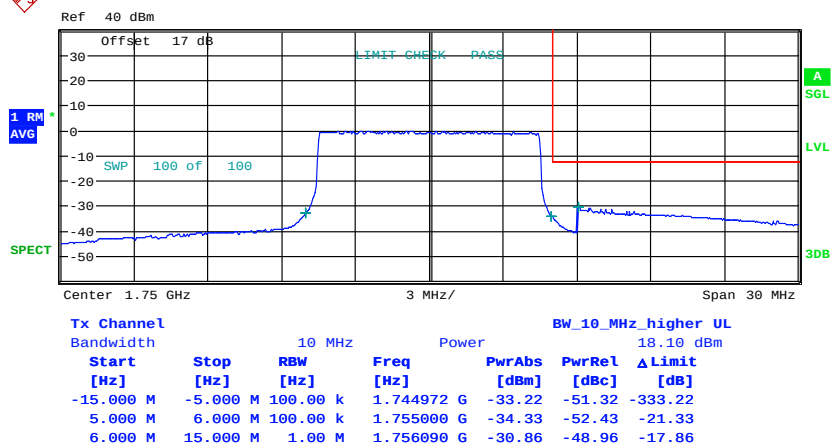
Report Number: W6R21805-18133-P-247

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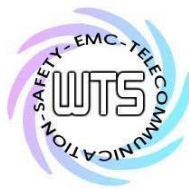
Bandedge Band4 16QAM FRB 10MHz CH20000

Date: 11.AUG.2017 16:17:14



Bandedge Band4 16QAM FRB 10MHz CH20350

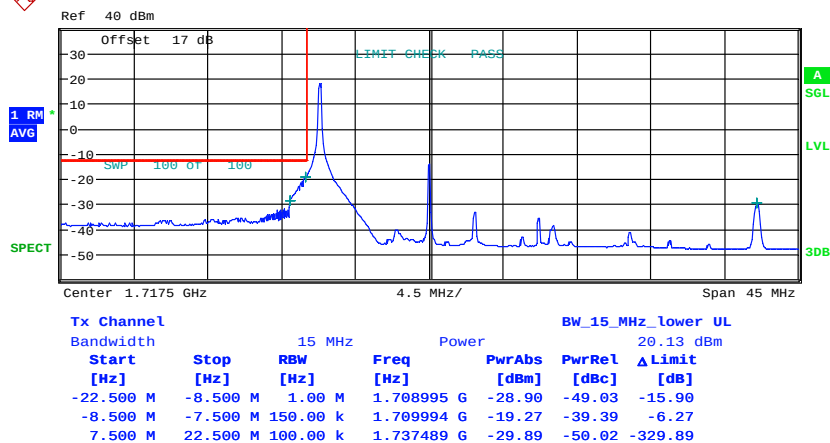
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Report Number: W6R21805-18133-P-247

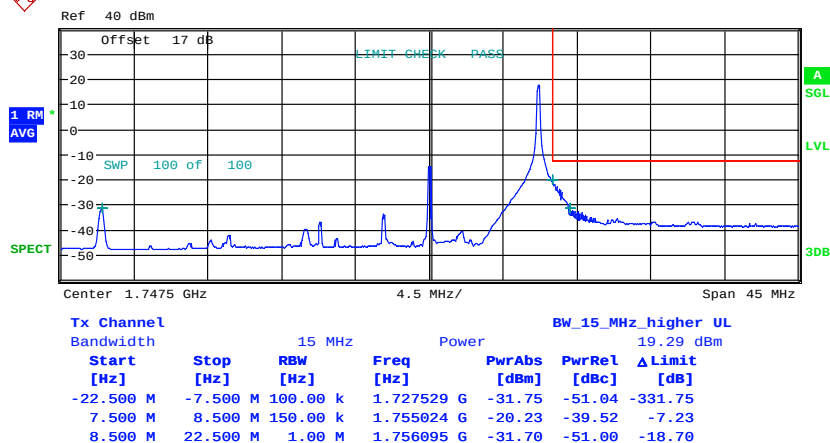
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15 MHz 16QAM



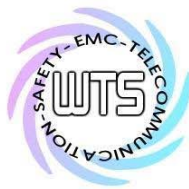
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Date: 11.AUG.2017 17:27:29



Bandedge Band4 16QAM 1RB 15MHz CH20325

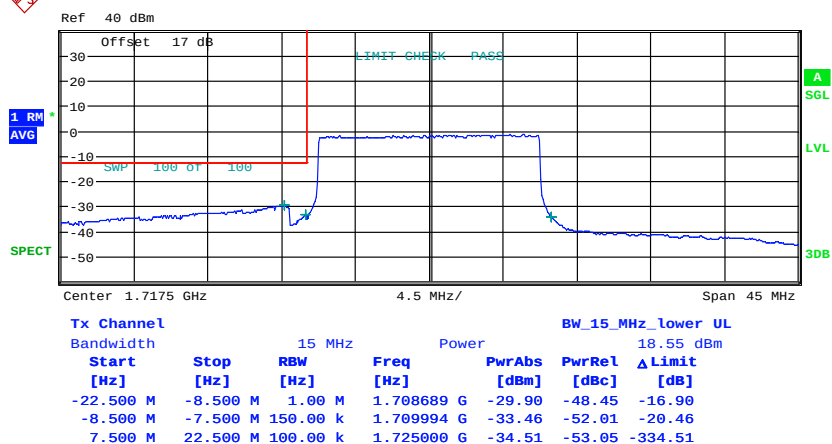
Date: 11.AUG.2017 17:39:52



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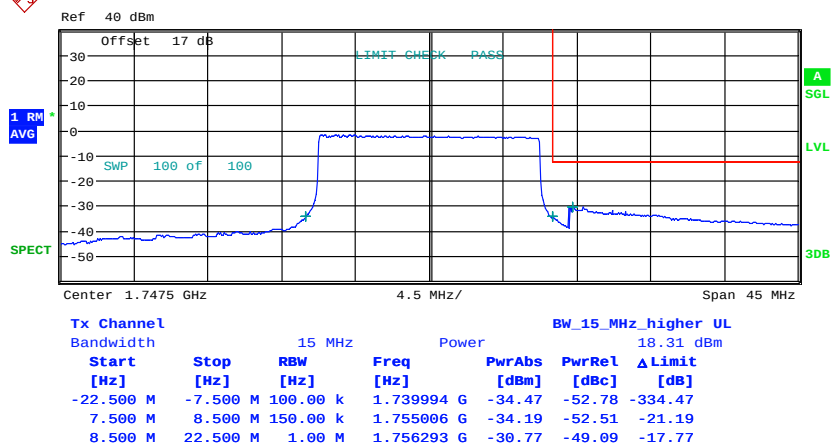
Report Number: W6R21805-18133-P-247

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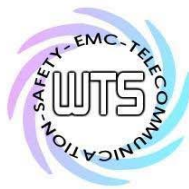
Bandedge Band4 16QAM FRB 15MHz CH20025

Date: 11.AUG.2017 17:25:22



Bandedge Band4 16QAM FRB 15MHz CH20325

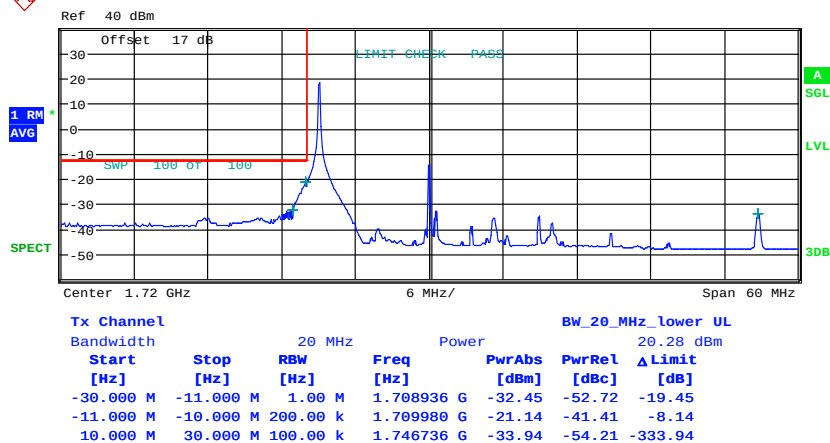
Date: 11.AUG.2017 17:42:12



Report Number: W6R21805-18133-P-247

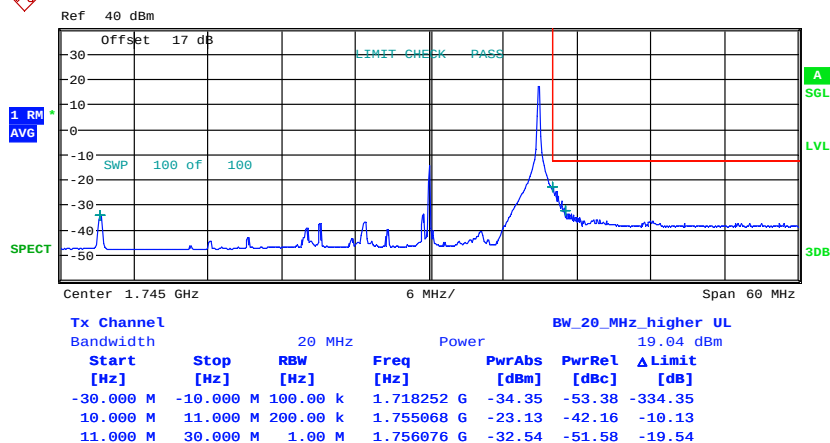
FCC ID: GX9FPHUB1

20 MHz 16QAM



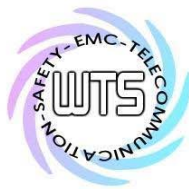
Bandedge Band4 16QAM 1RB 20MHz CH20050

Date: 11.AUG.2017 18:10:42



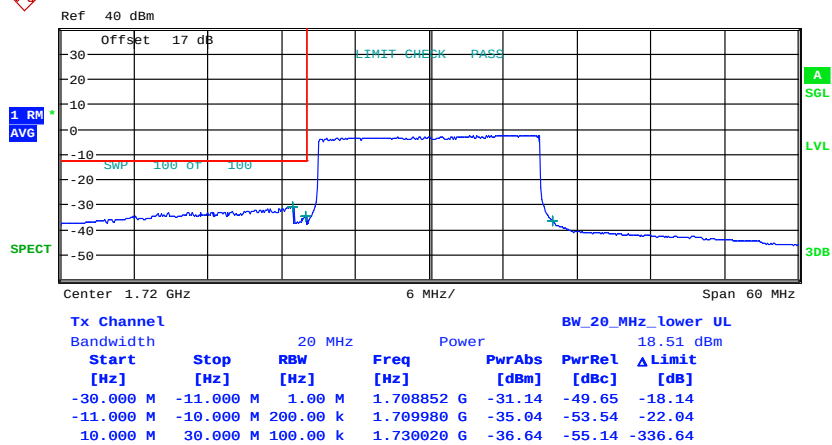
Bandedge Band4 16QAM 1RB 20MHz CH20300

Date: 11.AUG.2017 18:25:46



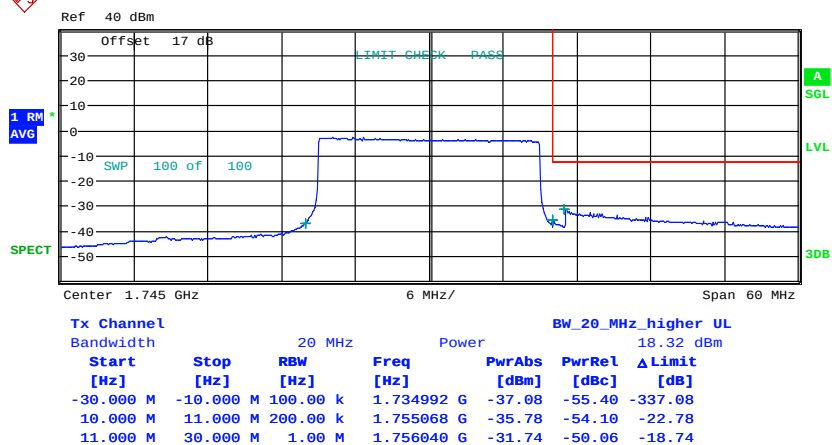
Report Number: W6R21805-18133-P-247

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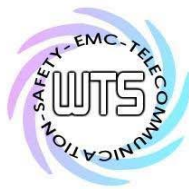
Bandedge Band4 16QAM FRB 20MHz CH20050

Date: 11.AUG.2017 18:07:20



Bandedge Band4 16QAM FRB 20MHz CH20300

Date: 11.AUG.2017 18:27:55

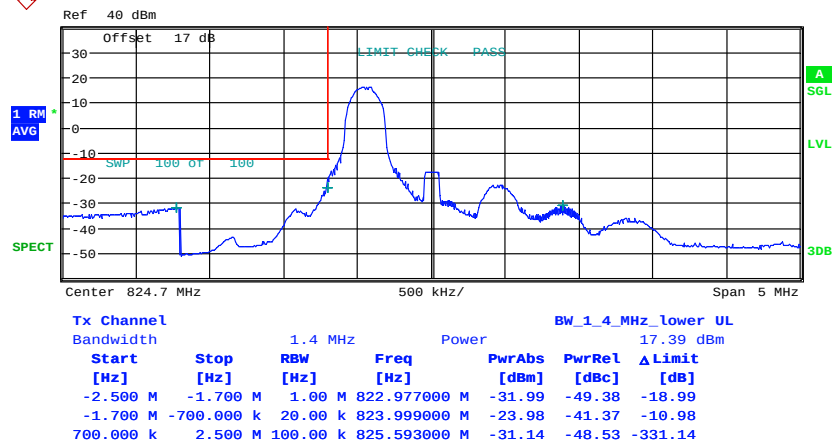


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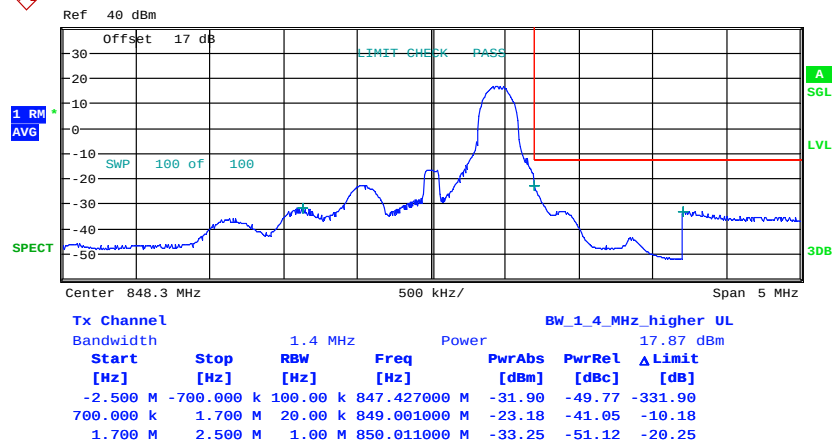
Band 5

1.4 MHz QPSK



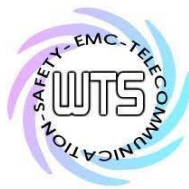
Bandedge Band5 QPSK 1RB 1.4MHz CH20407

Date: 10.AUG.2017 17:05:29



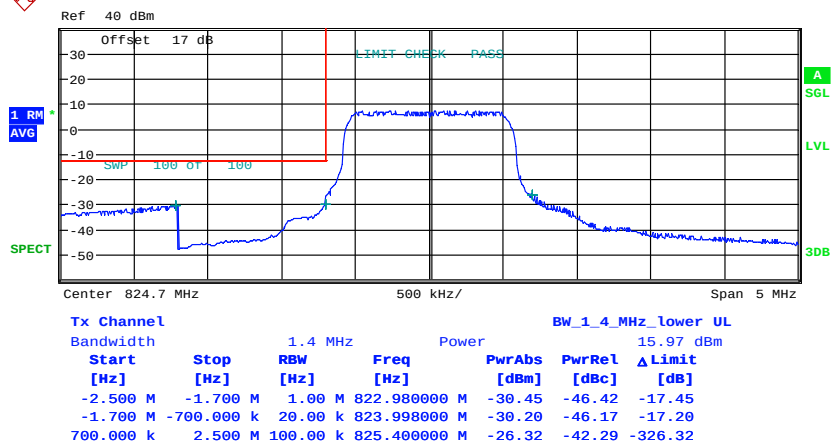
Bandedge Band5 QPSK 1RB 1.4MHz CH20643

Date: 10.AUG.2017 18:14:08



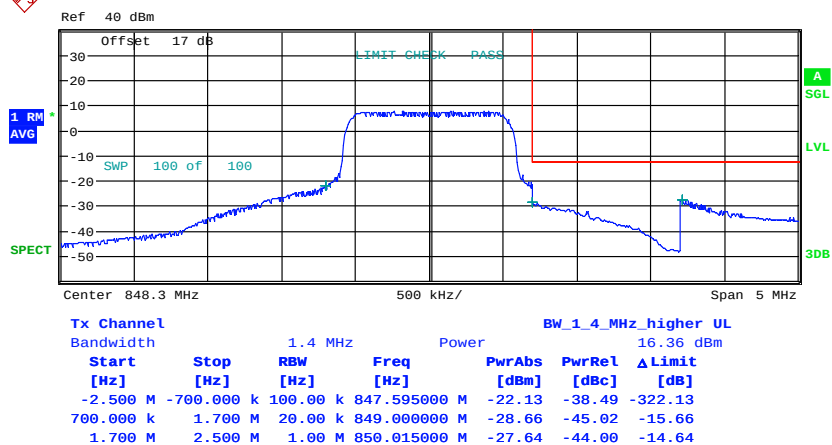
Report Number: W6R21805-18133-P-247

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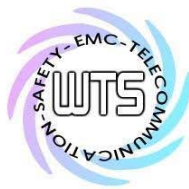
Bandedge Band5 QPSK FRB 1.4MHz CH20407

Date: 10.AUG.2017 17:03:06



Bandedge Band5 QPSK FRB 1.4MHz CH20643

Date: 10.AUG.2017 18:15:51

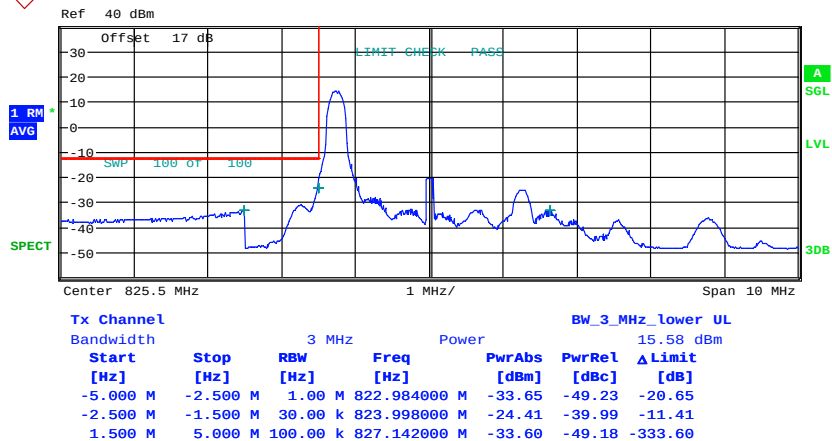


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Report Number: W6R21805-18133-P-247

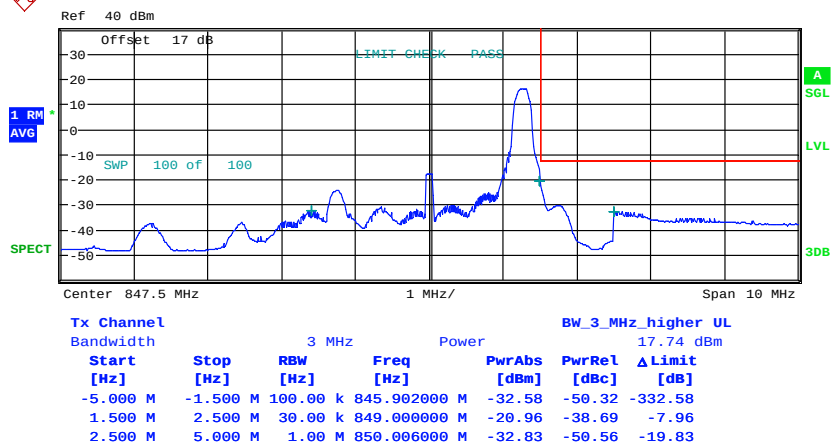
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3 MHz QPSK



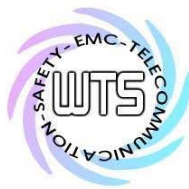
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Date: 11.AUG.2017 11:16:59



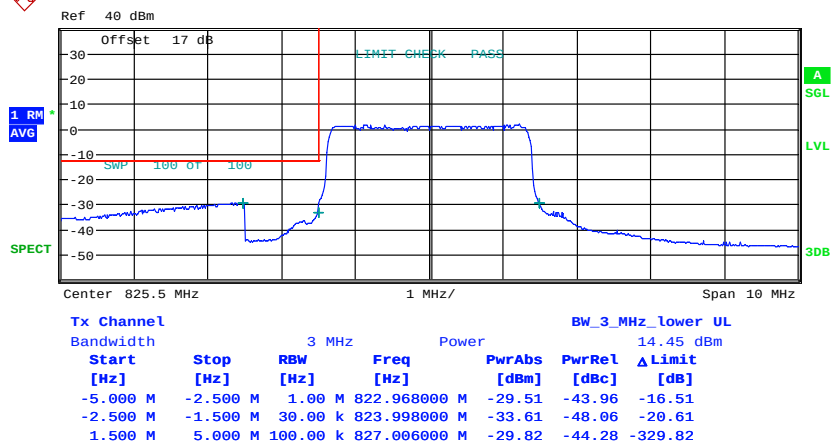
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Date: 11.AUG.2017 13:13:27



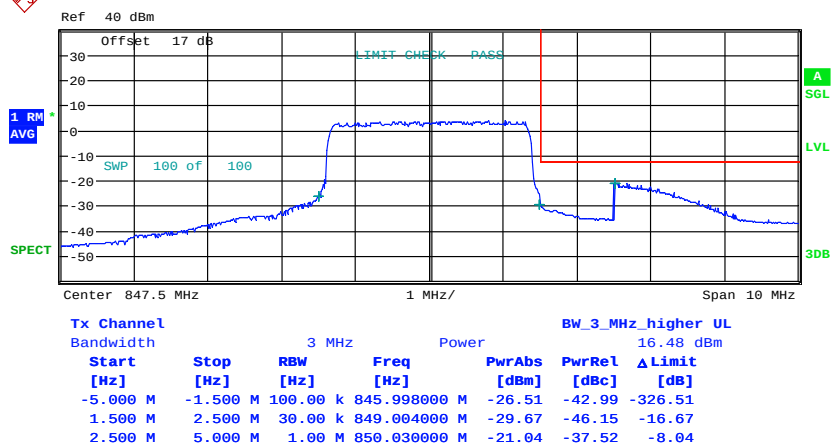
Report Number: W6R21805-18133-P-247

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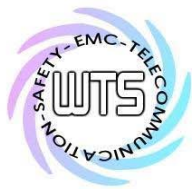
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Date: 11.AUG.2017 11:18:17



Bandedge Band5 QPSK FRB 3MHz CH20635

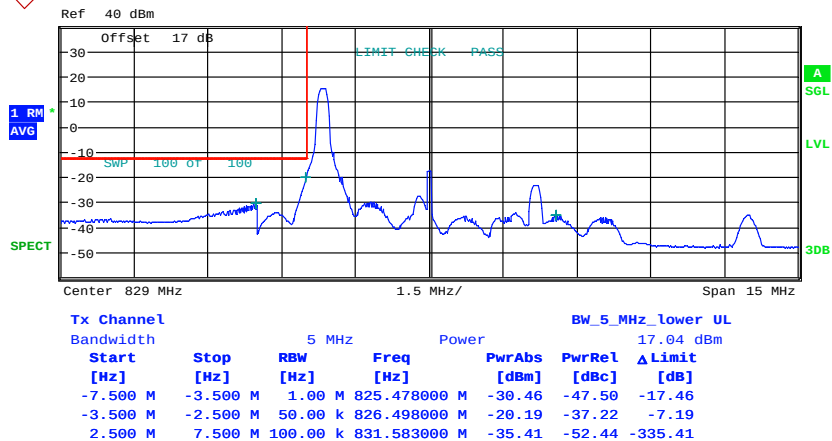
Date: 11.AUG.2017 13:11:57



Report Number: W6R21805-18133-P-247

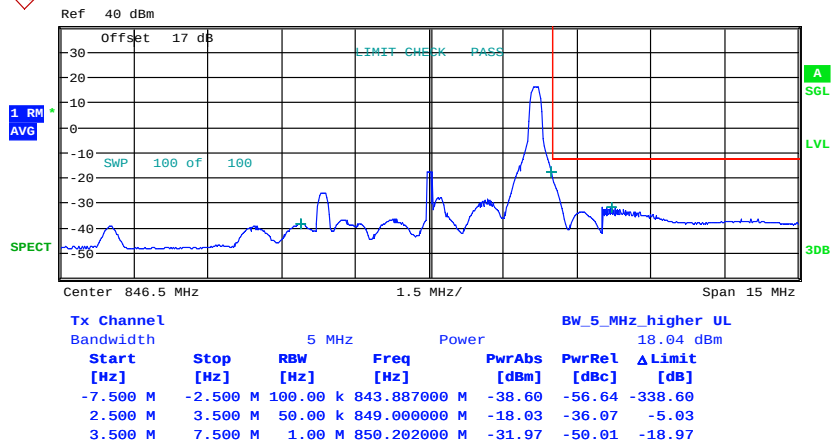
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5 MHz QPSK



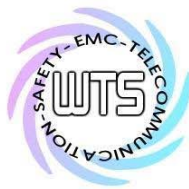
Bandedge Band5 QPSK 1RB 5MHz CH20450

Date: 11.AUG.2017 14:14:00



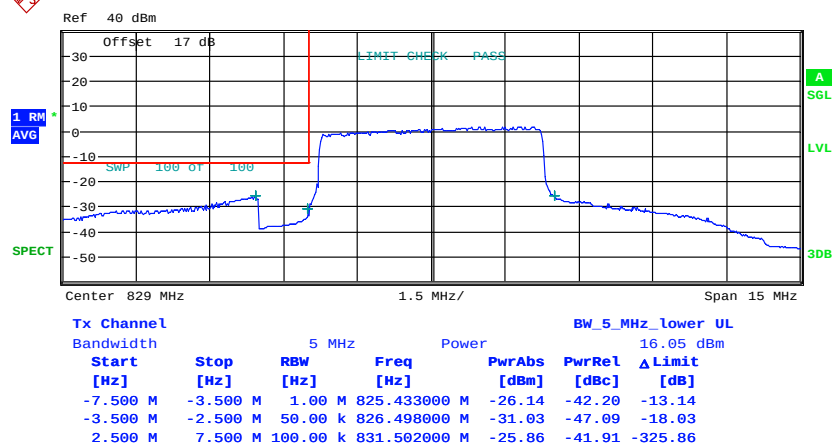
Bandedge Band5 QPSK 1RB 5MHz CH20625

Date: 11.AUG.2017 15:55:05



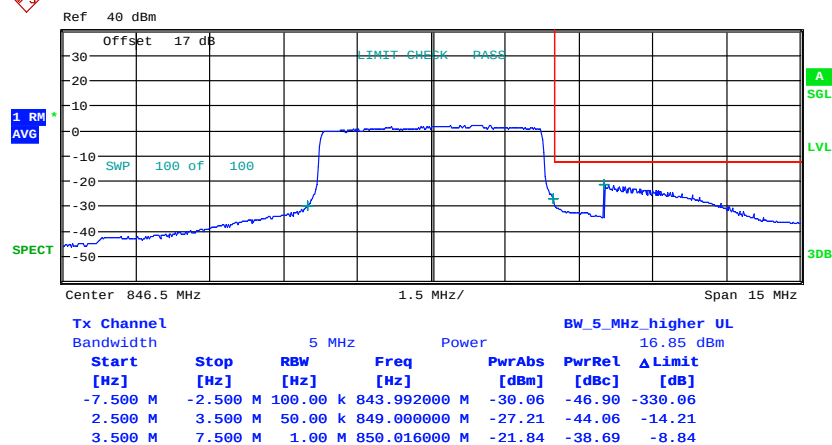
Report Number: W6R21805-18133-P-247

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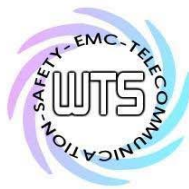
Bandedge Band5 QPSK FRB 5MHz CH20450

Date: 11.AUG.2017 14:15:10



Bandedge Band5 QPSK FRB 5MHz CH20625

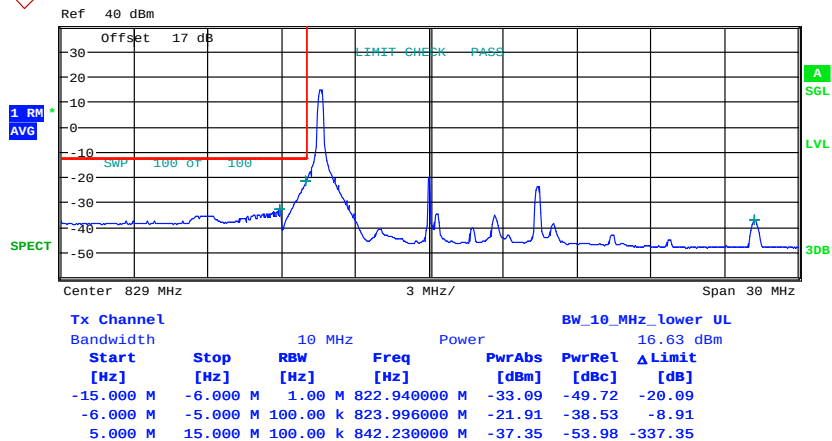
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Report Number: W6R21805-18133-P-247

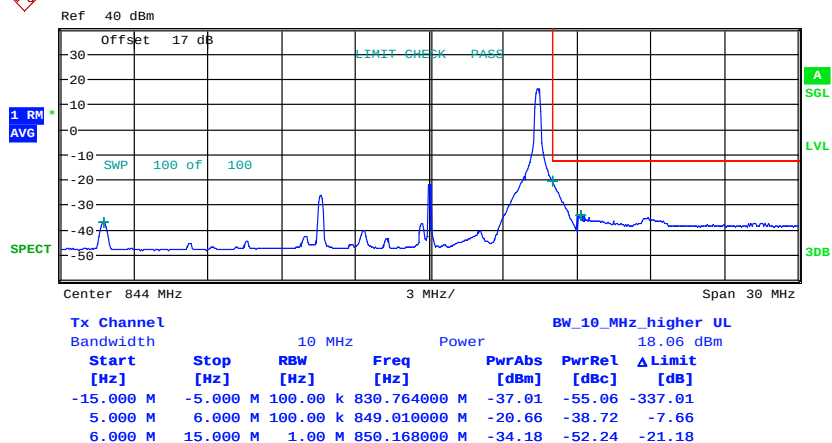
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10 MHz QPSK



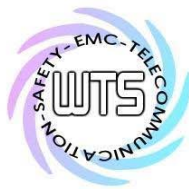
Bandedge Band5 QPSK 1RB 10MHz CH20450

Date: 11.AUG.2017 16:25:22



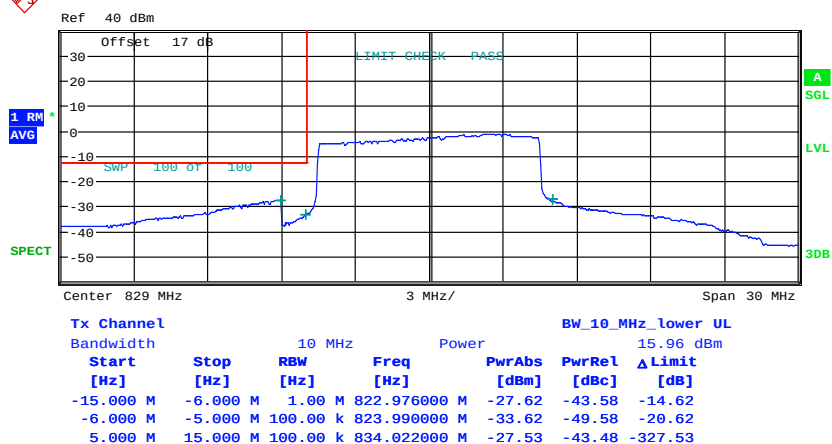
Bandedge Band5 QPSK 1RB 10MHz CH20600

Date: 11.AUG.2017 16:51:55



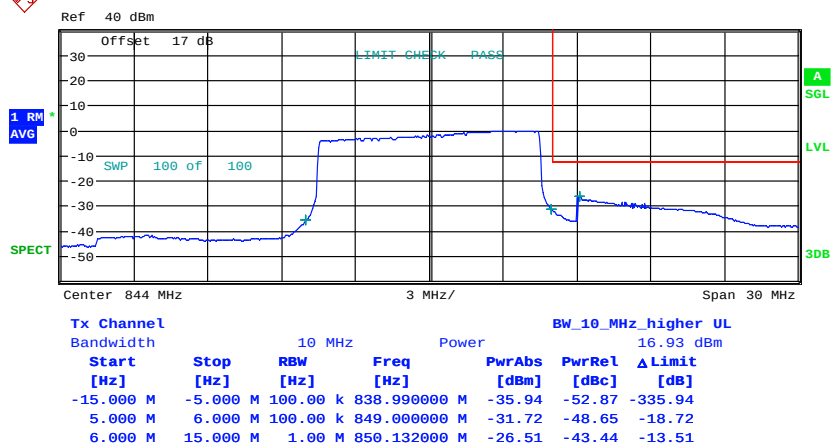
Report Number: W6R21805-18133-P-247

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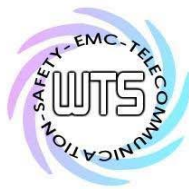
Bandedge Band5 QPSK FRB 10MHz CH20450

Date: 11.AUG.2017 16:23:47



Bandedge Band5 QPSK FRB 10MHz CH20600

Date: 11.AUG.2017 16:55:27

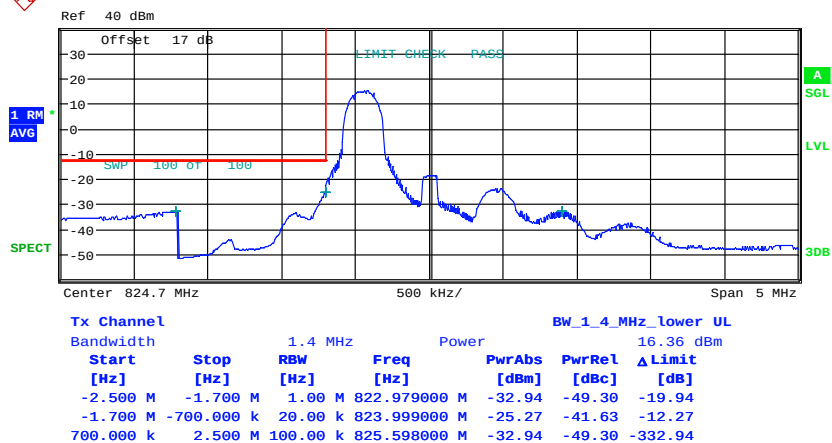


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Report Number: W6R21805-18133-P-247

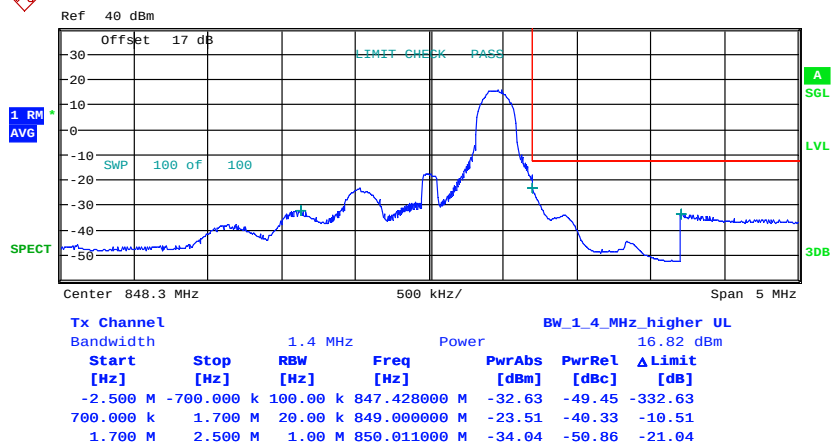
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1.4 MHz 16QAM



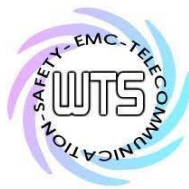
Bandedge Band5 16QAM 1RB 1.4MHz CH20407

Date: 10.AUG.2017 17:07:09



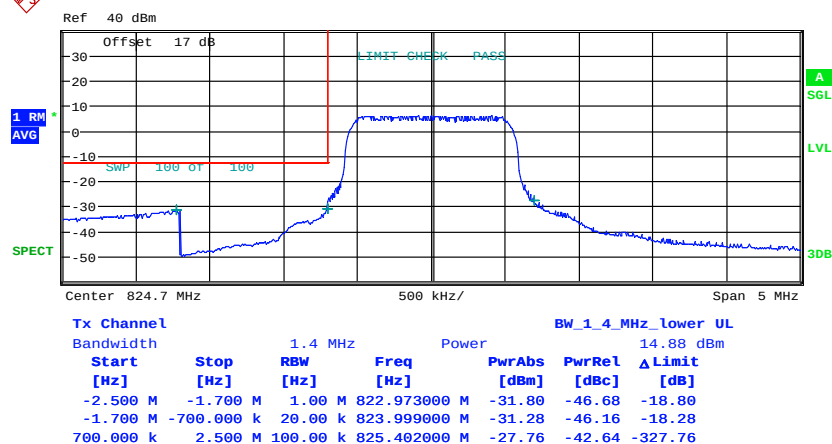
Bandedge Band5 16QAM 1RB 1.4MHz CH20643

Date: 10.AUG.2017 18:12:18



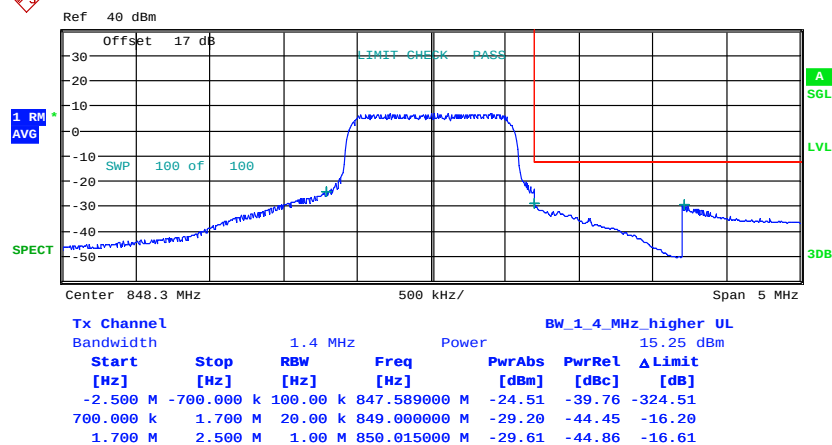
Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1



Bandedge Band5 16QAM FRB 1.4MHz CH20407

Date: 10.AUG.2017 17:08:52



Bandedge Band5 16QAM FRB 1.4MHz CH20643

Date: 10.AUG.2017 18:10:19