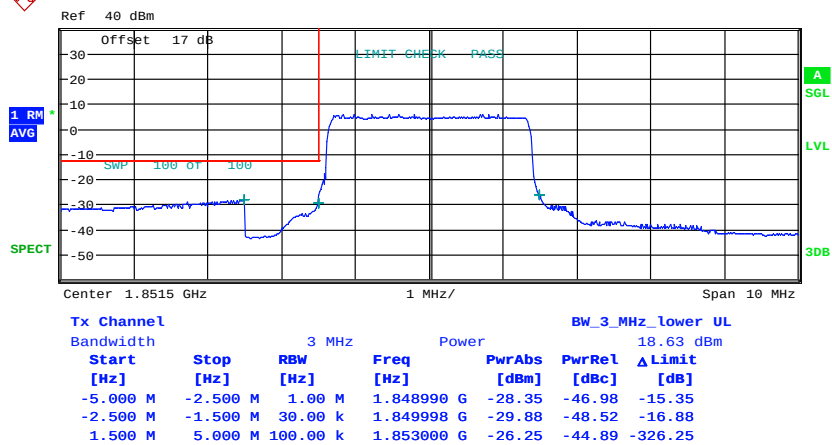


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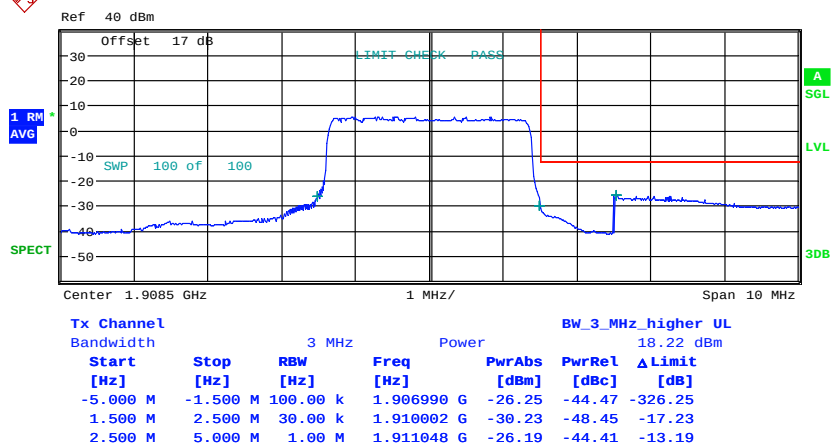
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



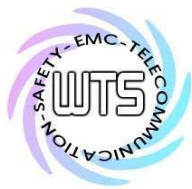
Bandedge Band2 QPSK FRB 3MHz CH18615

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



Bandedge Band2 QPSK FRB 3MHz CH19185

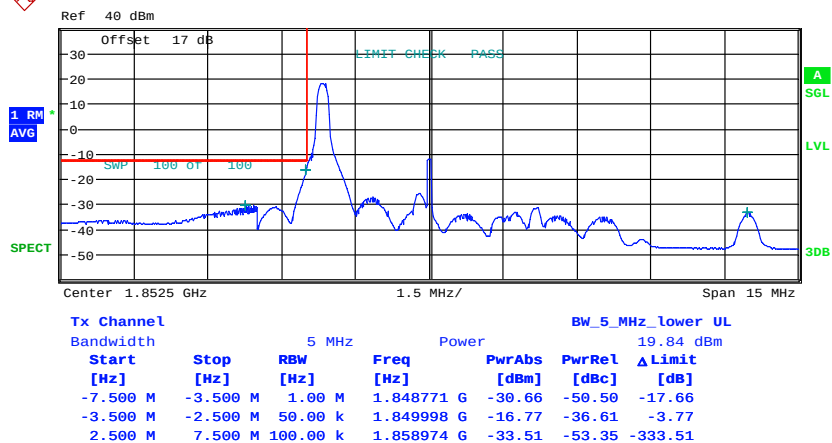
Date: 11.AUG.2017 11:34:37



Report Number: W6M21706-17098-P-247

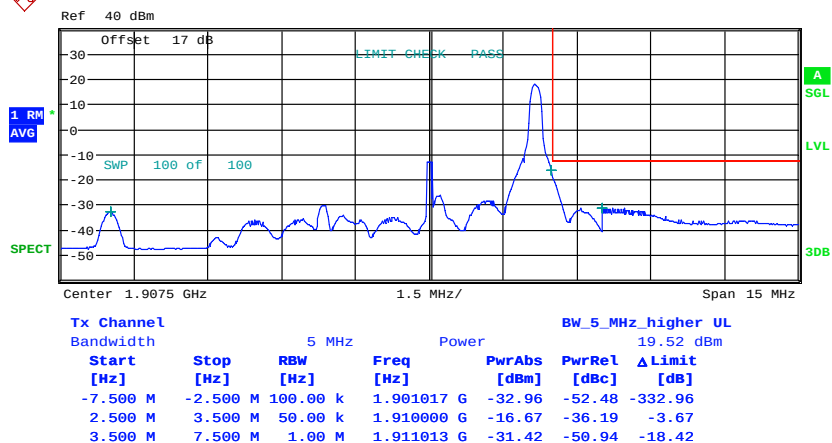
FCC ID: GX9HSGW

5 MHz QPSK



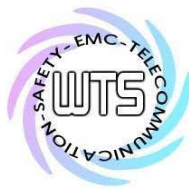
Bandedge Band2 QPSK 1RB 5MHz CH18625

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



Bandedge Band2 QPSK 1RB 5MHz CH19175

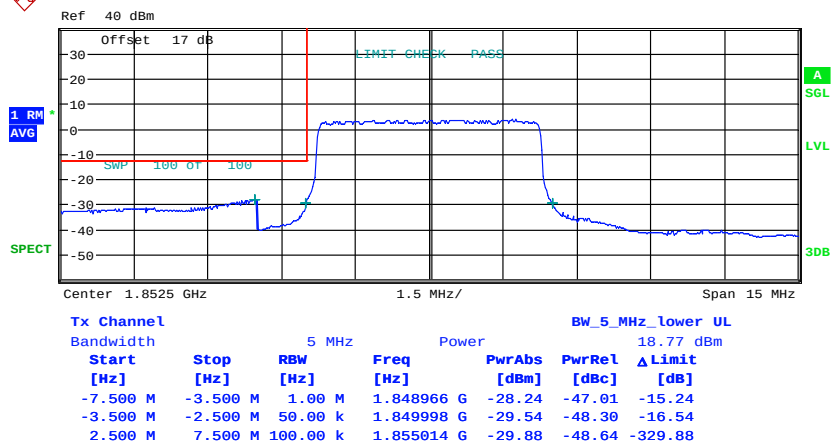
Date: 11.AUG.2017 15:28:03



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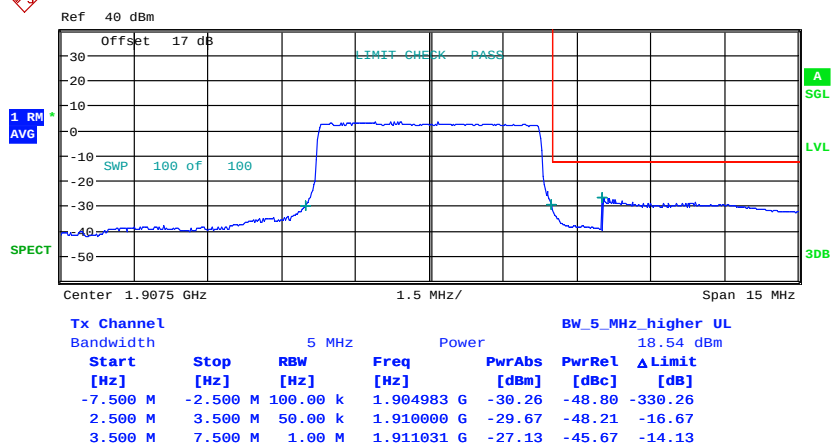
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



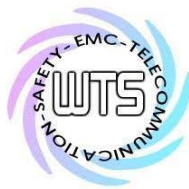
Bandedge Band2 QPSK FRB 5MHz CH18625

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



Bandedge Band2 QPSK FRB 5MHz CH19175

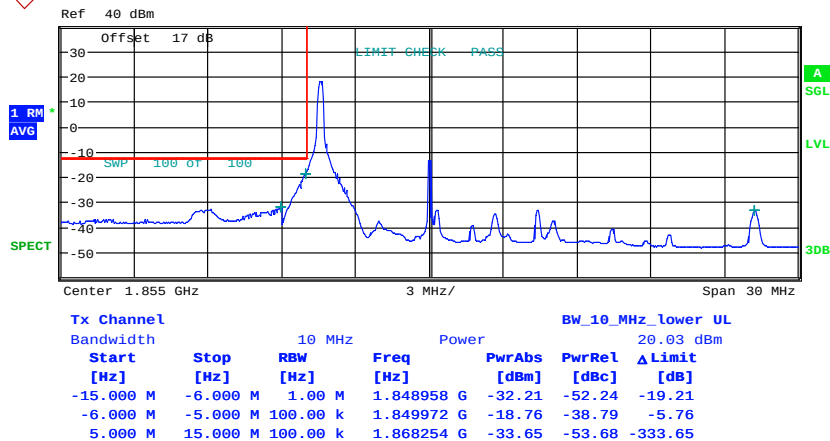
Date: 11.AUG.2017 15:26:31



Report Number: W6M21706-17098-P-247

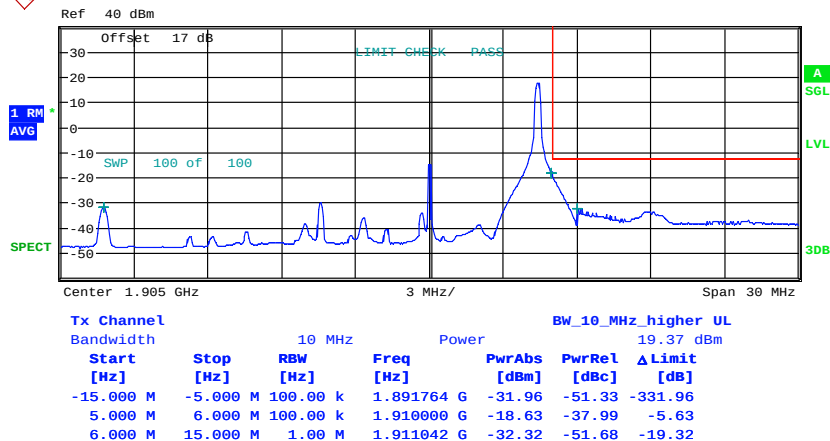
FCC ID: GX9HSGW

10 MHz QPSK



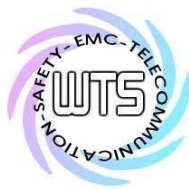
Bandedge Band2 QPSK 1RB 10MHz CH18650

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



Bandedge Band2 QPSK 1RB 10MHz CH19150

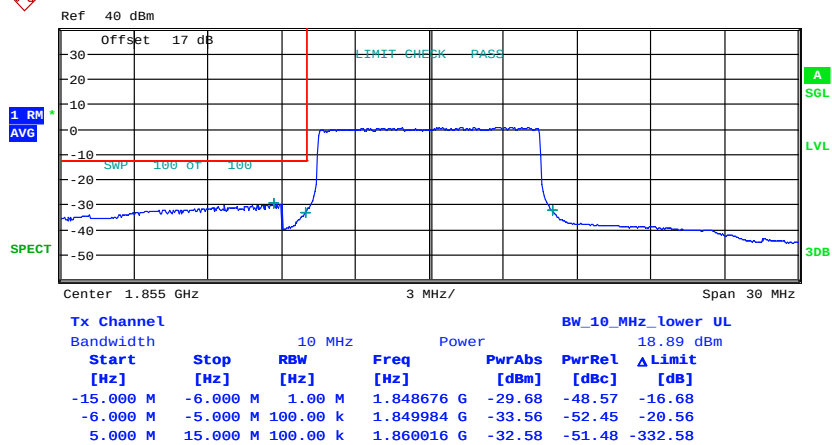
Date: 11.AUG.2017 17:07:01



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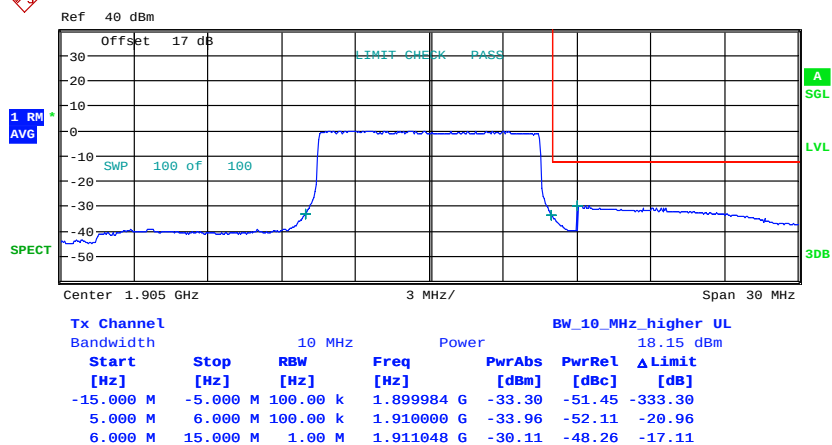
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



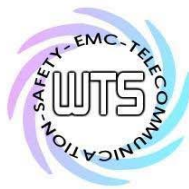
Bandedge Band2 QPSK FRB 10MHz CH18650

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



Bandedge Band2 QPSK FRB 10MHz CH19150

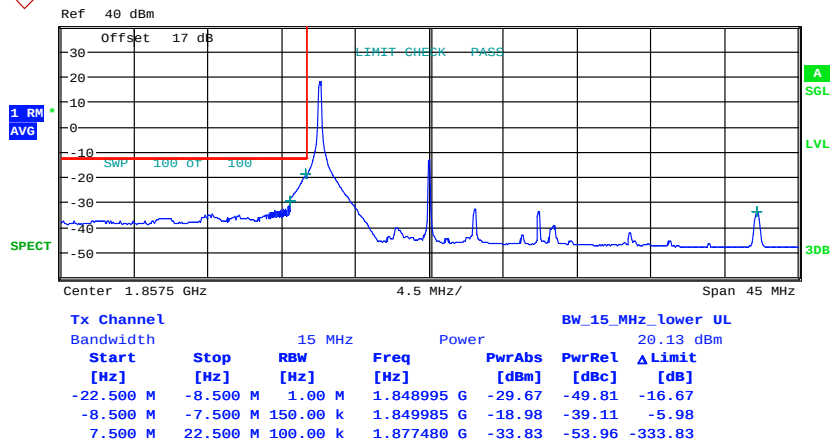
Date: 11.AUG.2017 17:08:25



Report Number: W6M21706-17098-P-247

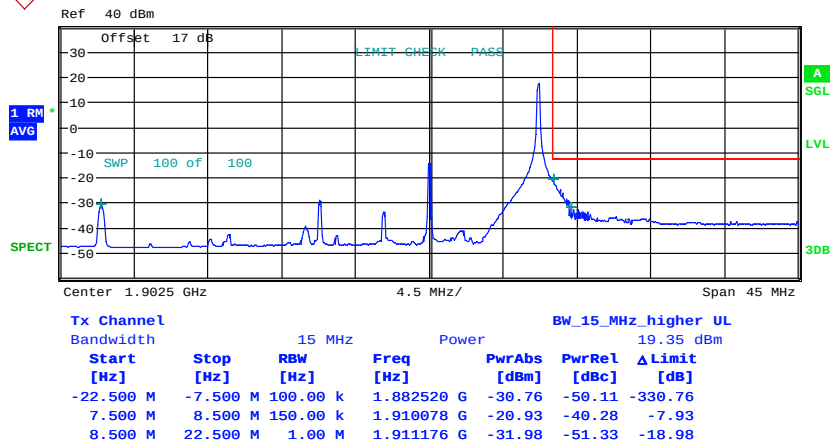
FCC ID: GX9HSGW

15 MHz QPSK



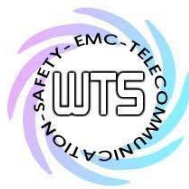
Bandedge Band2 QPSK 1RB 15MHz CH18675

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



Bandedge Band2 QPSK 1RB 15MHz CH19125

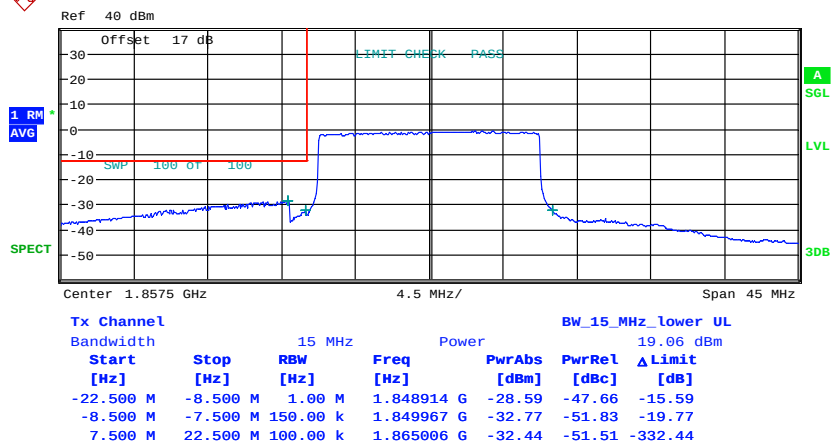
Date: 11.AUG.2017 17:49:17



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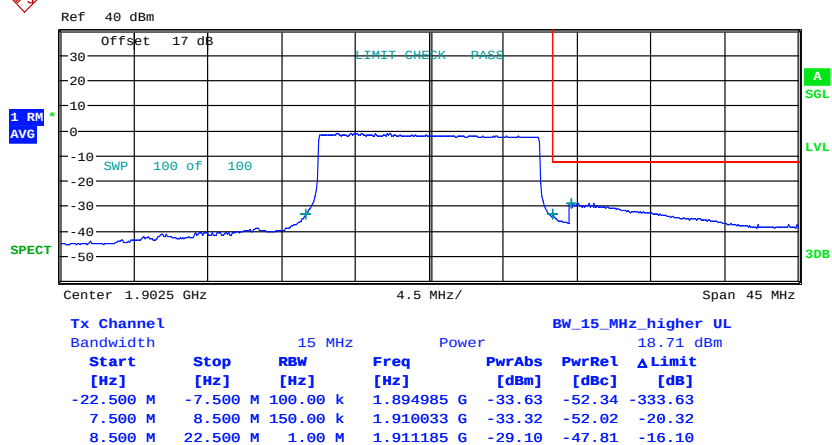
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



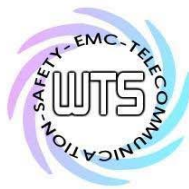
Bandedge Band2 QPSK FRB 15MHz CH18675

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



Bandedge Band2 QPSK FRB 15MHz CH19125

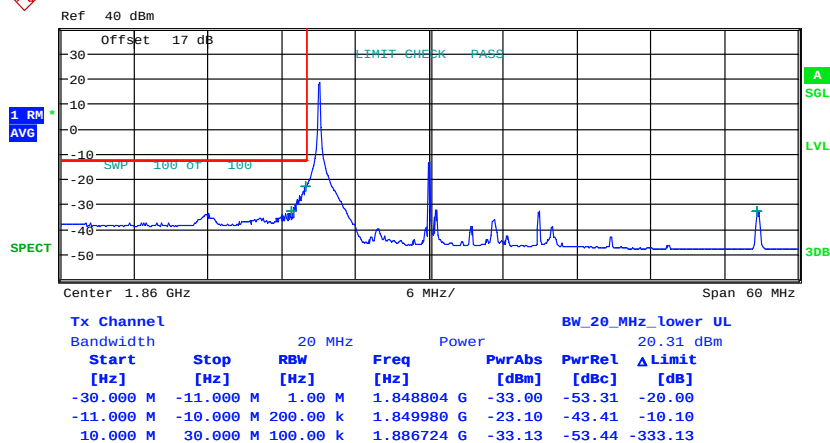
Date: 11.AUG.2017 17:50:59



Report Number: W6M21706-17098-P-247

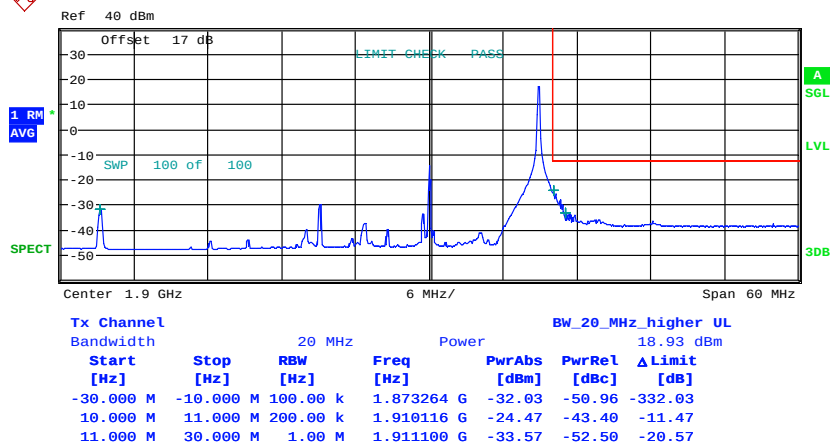
FCC ID: GX9HSGW

20 MHz QPSK



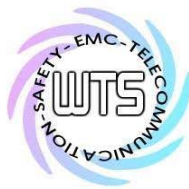
Bandedge Band2 QPSK 1RB 20MHz CH18700

Date: 11.AUG.2017 17:59:16



Bandedge Band2 QPSK 1RB 20MHz CH19100

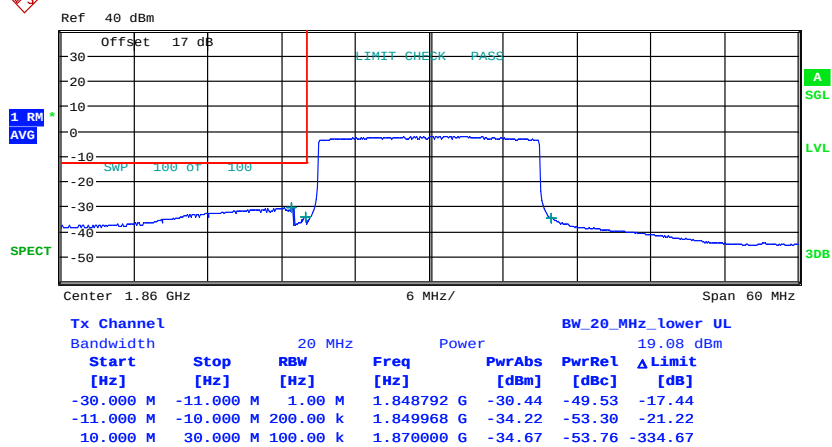
Date: 11.AUG.2017 18:35:12



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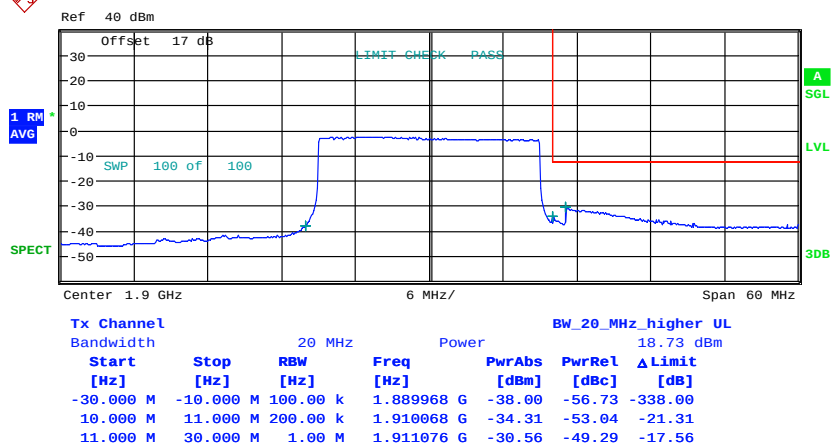
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



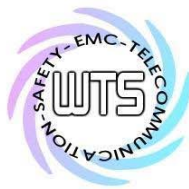
Bandedge Band2 QPSK FRB 20MHz CH18700

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



Bandedge Band2 QPSK FRB 20MHz CH19100

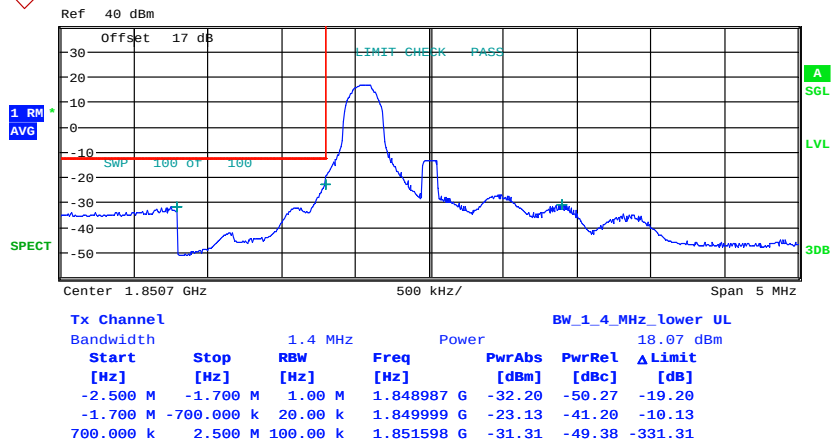
Date: 11.AUG.2017 18:37:16



Report Number: W6M21706-17098-P-247

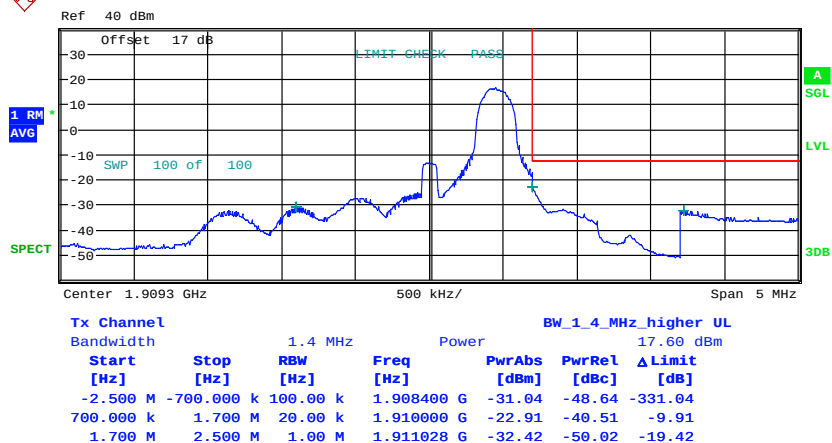
FCC ID: GX9HSGW

1.4 MHz 16QAM



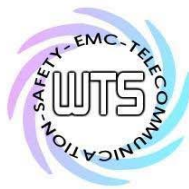
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Date: 10.AUG.2017 16:09:27



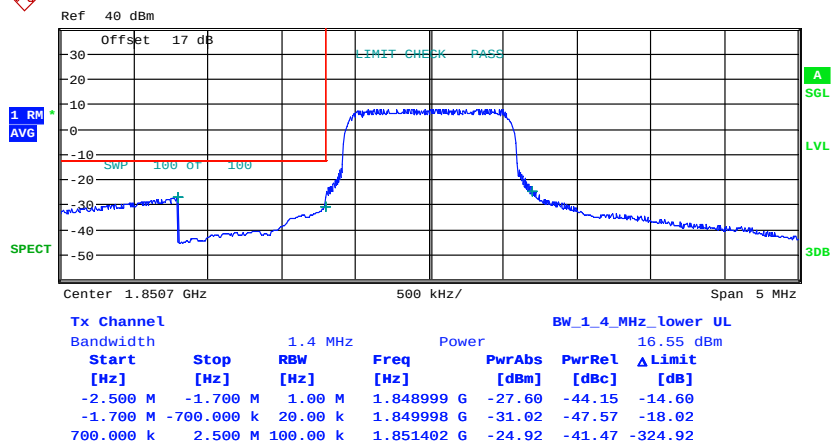
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Date: 10.AUG.2017 17:47:28



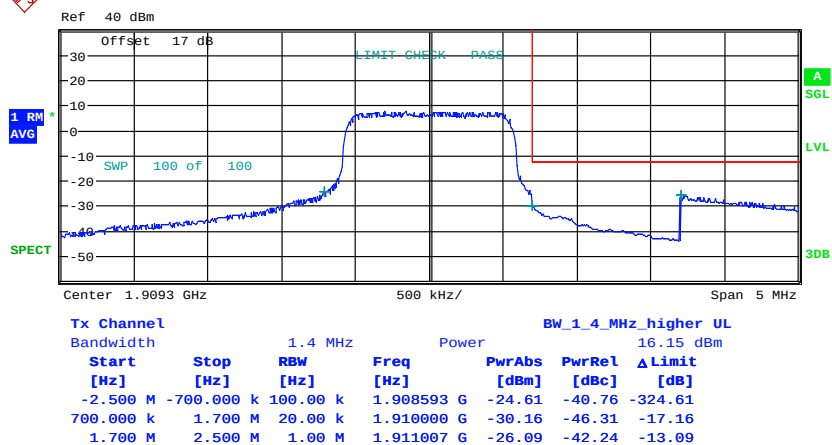
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



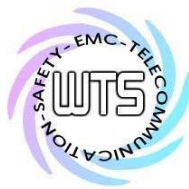
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Date: 10.AUG.2017 16:11:13



Bandedge Band2 16QAM FRB 1.4MHz CH19193

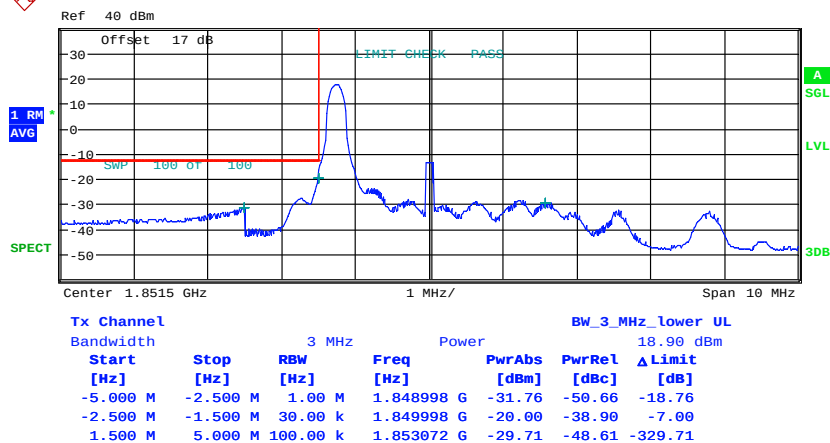
Date: 10.AUG.2017 17:45:44



Report Number: W6M21706-17098-P-247

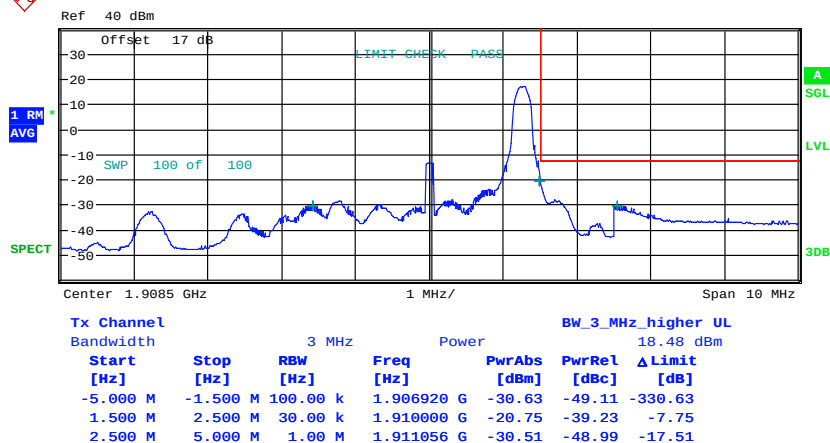
FCC ID: GX9HSGW

3 MHz 16QAM



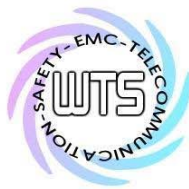
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Date: 11.AUG.2017 11:02:27



Bandedge Band2 16QAM 1RB 3MHz CH19185

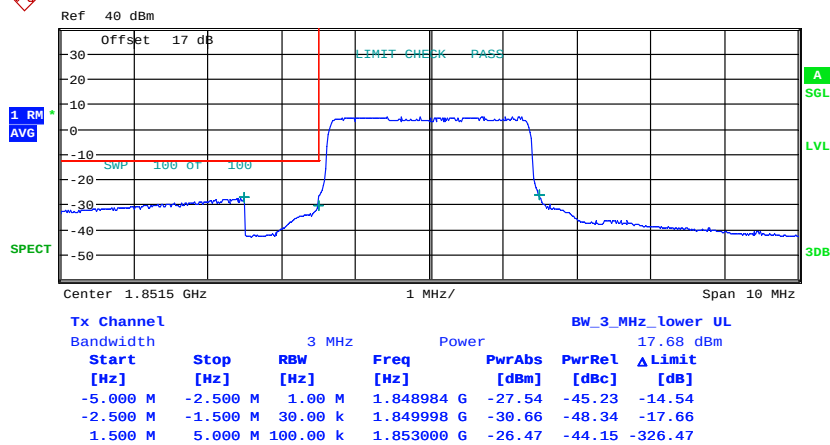
Date: 11.AUG.2017 11:37:14



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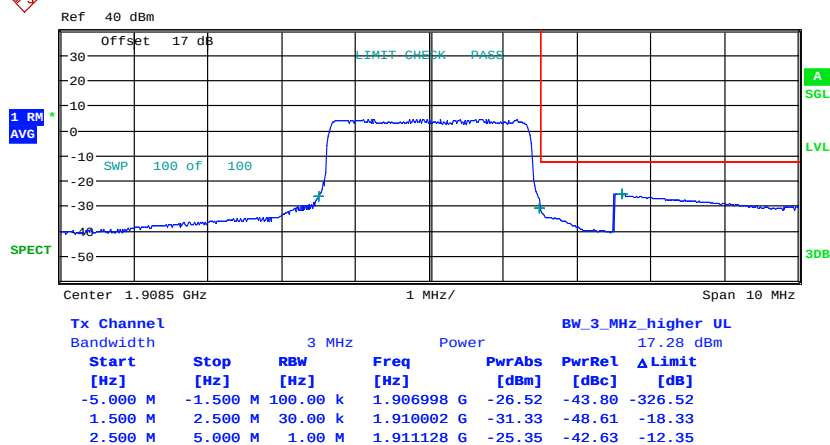
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



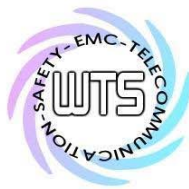
Bandedge Band2 16QAM FRB 3MHz CH18615

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



Bandedge Band2 16QAM FRB 3MHz CH19185

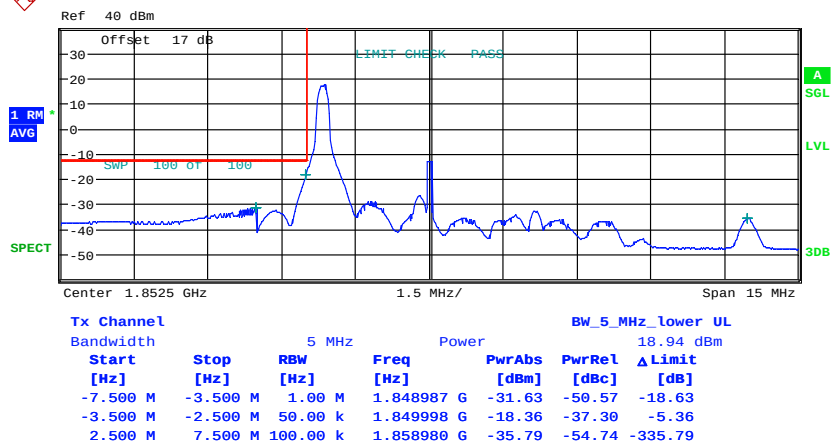
Date: 11.AUG.2017 11:36:03



Report Number: W6M21706-17098-P-247

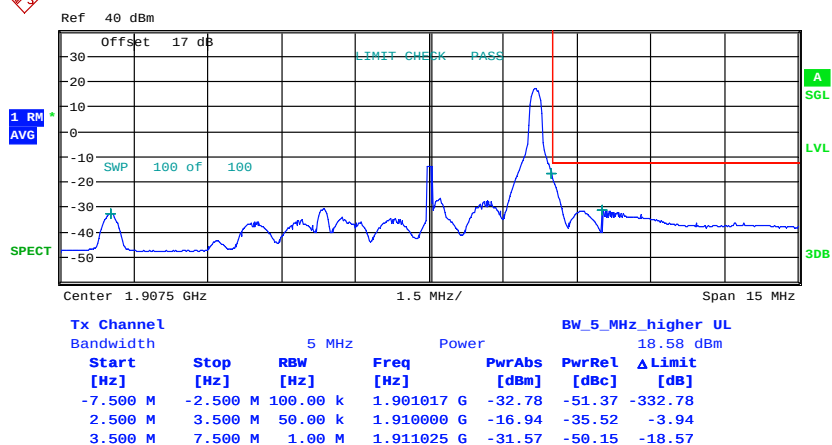
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5 MHz 16QAM



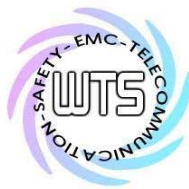
Bandedge Band2 16QAM 1RB 5MHz CH18625

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



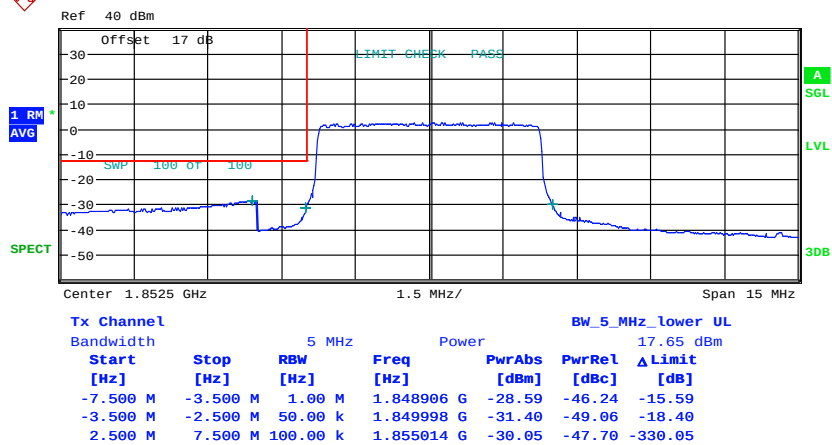
Bandedge Band2 16QAM 1RB 5MHz CH19175

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



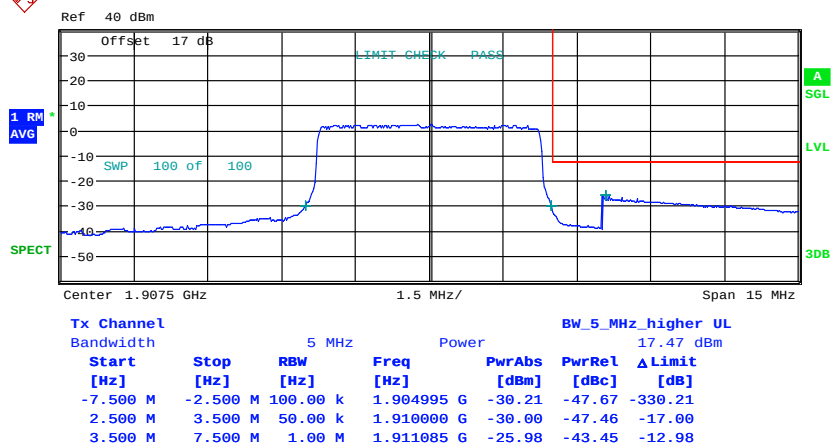
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



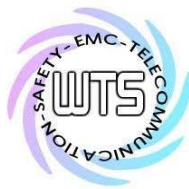
Bandedge Band2 16QAM FRB 5MHz CH18625

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



Bandedge Band2 16QAM FRB 5MHz CH19175

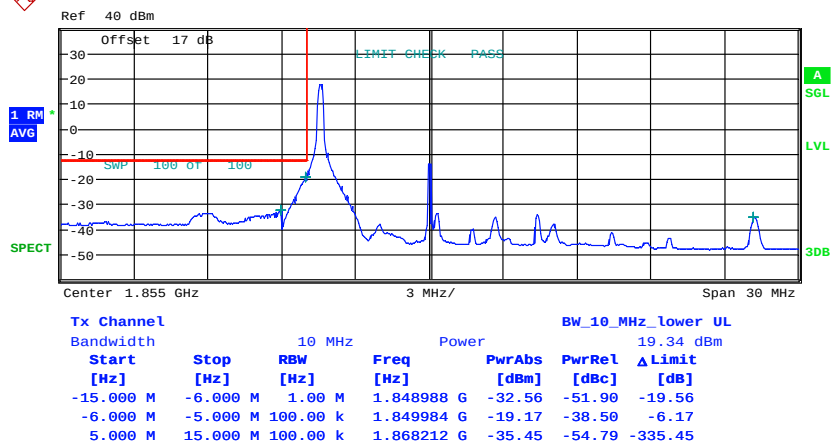
Date: 11.AUG.2017 15:30:52



Report Number: W6M21706-17098-P-247

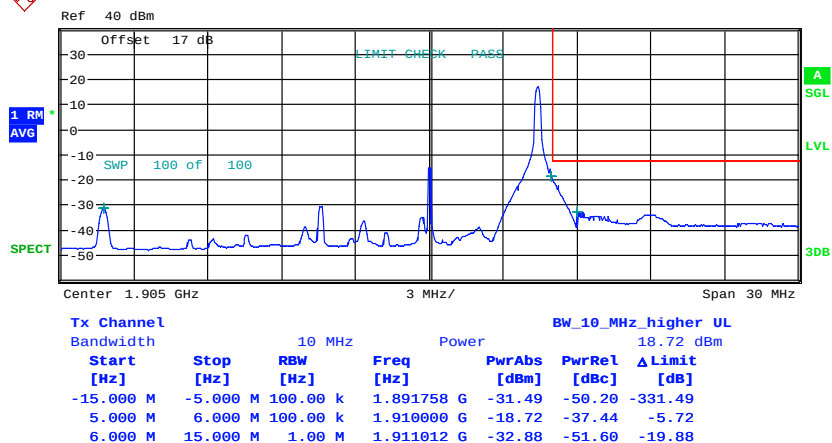
FCC ID: GX9HSGW

10 MHz 16QAM



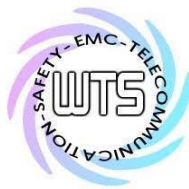
Bandedge Band2 16QAM 1RB 10MHz CH18650

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



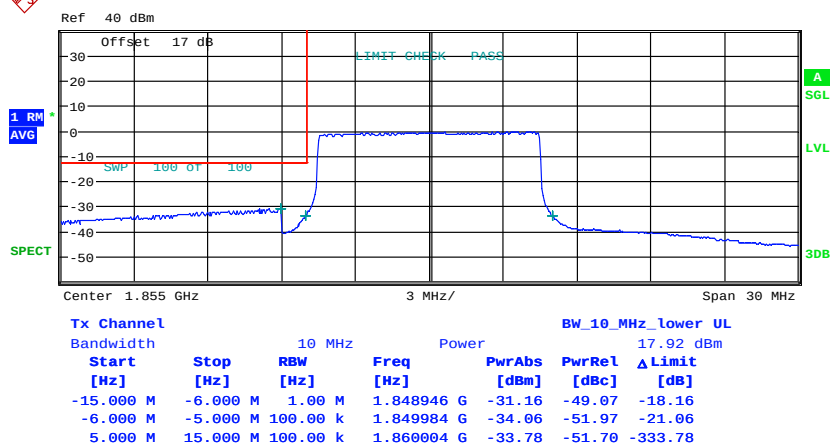
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Date: 11.AUG.2017 17:05:30



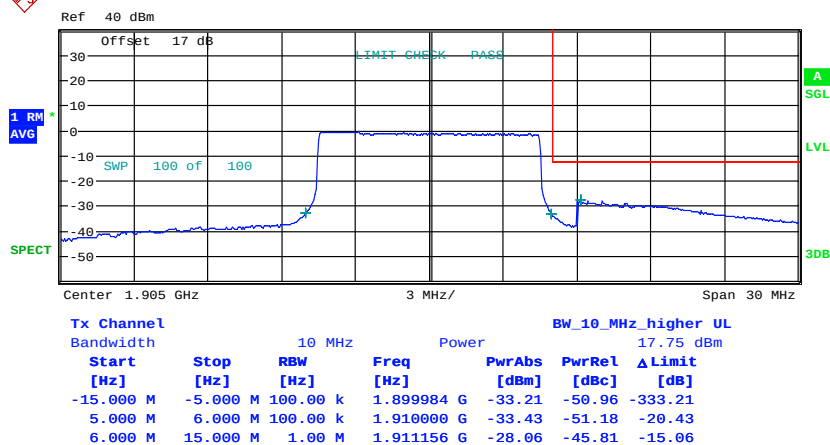
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



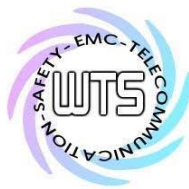
Bandedge Band2 16QAM FRB 10MHz CH18650

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



Bandedge Band2 16QAM FRB 10MHz CH19150

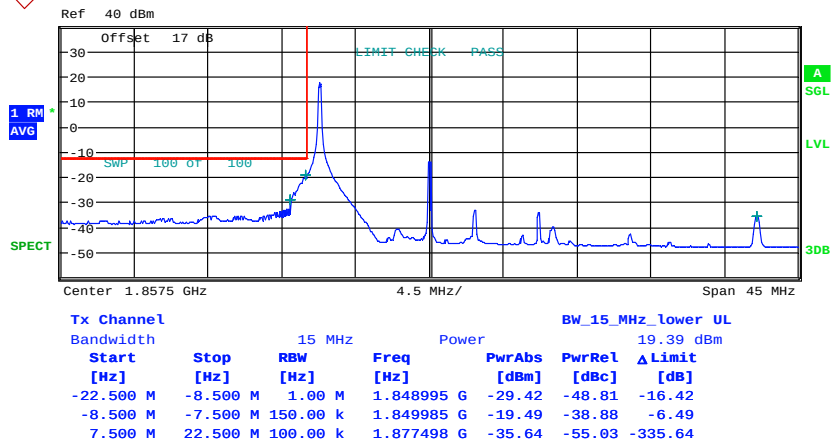
Date: 11.AUG.2017 17:04:02



Report Number: W6M21706-17098-P-247

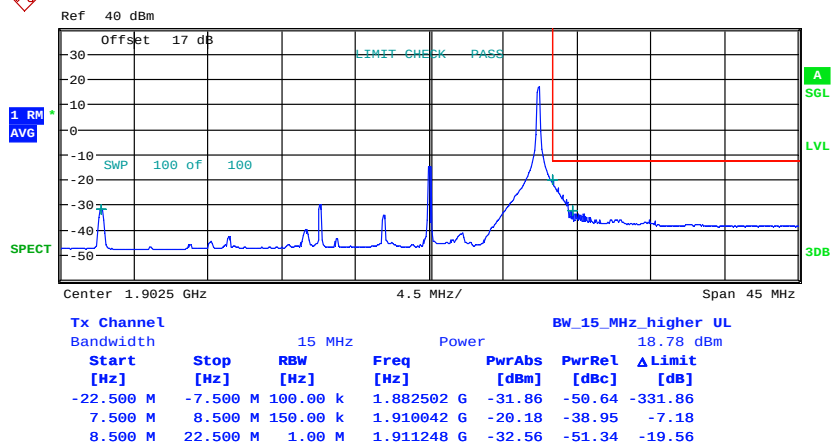
FCC ID: GX9HSGW

15 MHz 16QAM



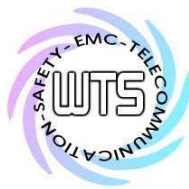
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Date: 11.AUG.2017 17:19:25



Bandedge Band2 16QAM 1RB 15MHz CH19125

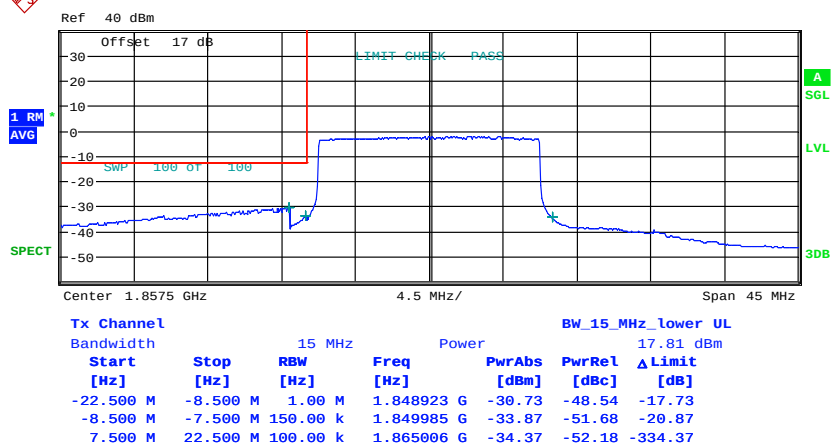
Date: 11.AUG.2017 17:47:29



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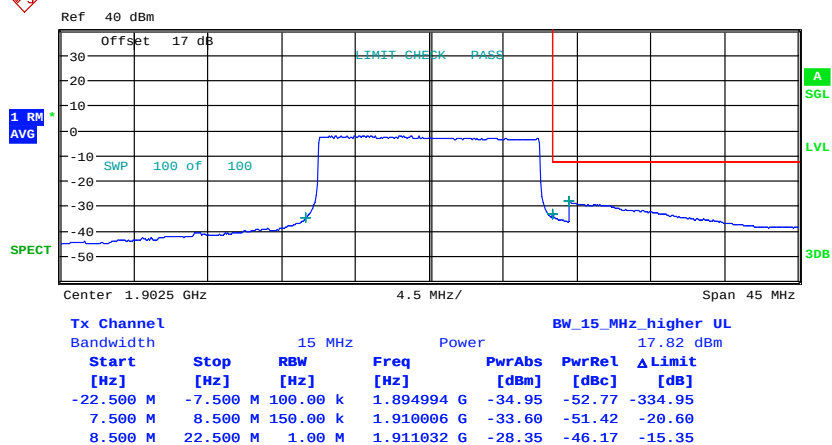
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



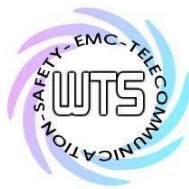
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Date: 11.AUG.2017 17:21:33



Bandedge Band2 16QAM FRB 15MHz CH19125

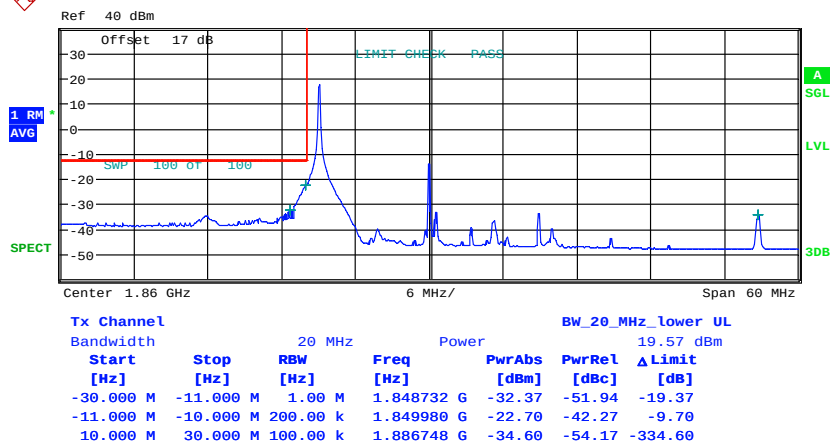
Date: 11.AUG.2017 17:45:17



Report Number: W6M21706-17098-P-247

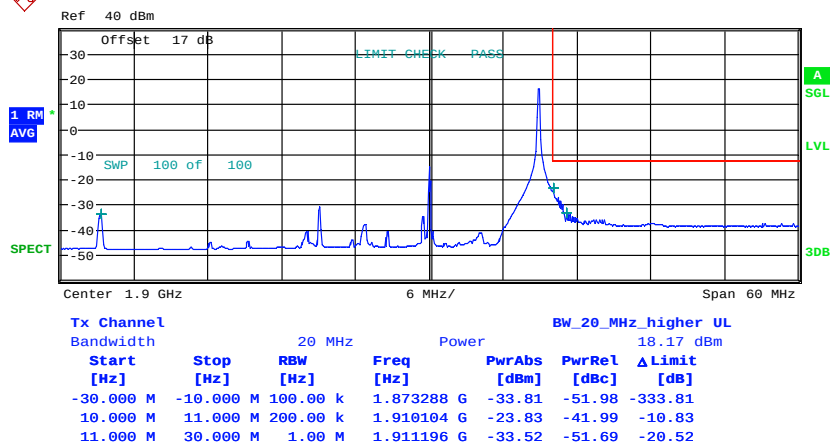
FCC ID: GX9HSGW

20 MHz 16QAM



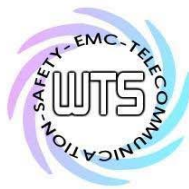
Bandedge Band2 16QAM 1RB 20MHz CH18700

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



Bandedge Band2 16QAM 1RB 20MHz CH19100

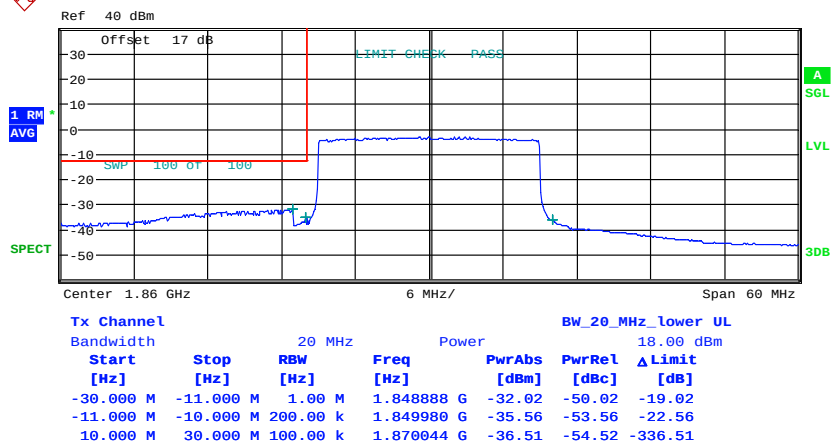
Date: 11.AUG.2017 18:33:06



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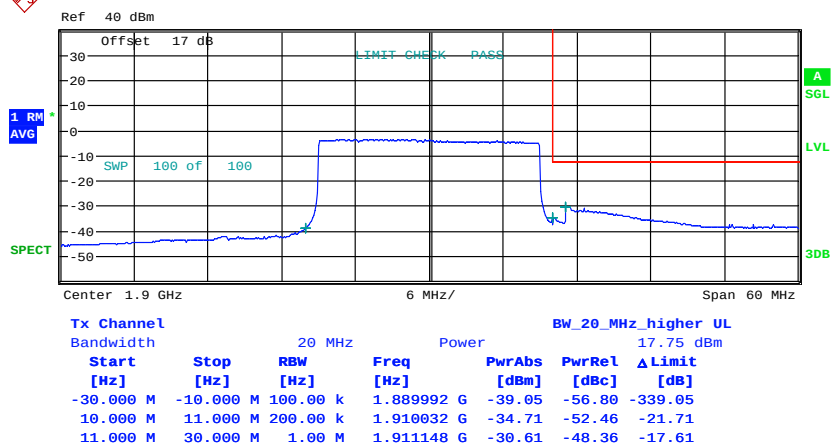
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



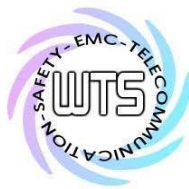
Bandedge Band2 16QAM FRB 20MHz CH18700

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



Bandedge Band2 16QAM FRB 20MHz CH19100

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

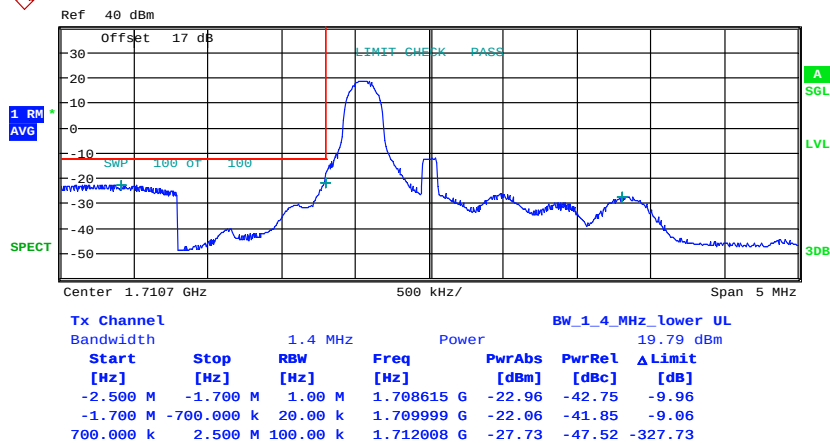


Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW

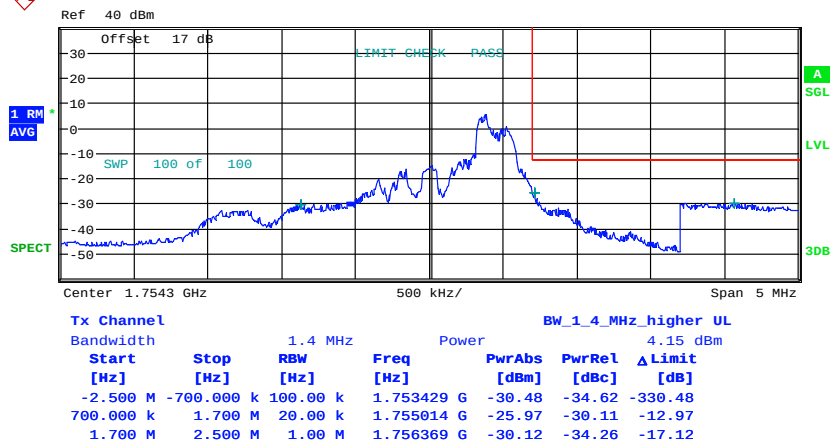
Band 4

1.4 MHz QPSK



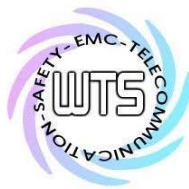
Bandedge Band4 QPSK 1RB 1.4MHz CH19957

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



Bandedge Band4 QPSK 1RB 1.4MHz CH20393

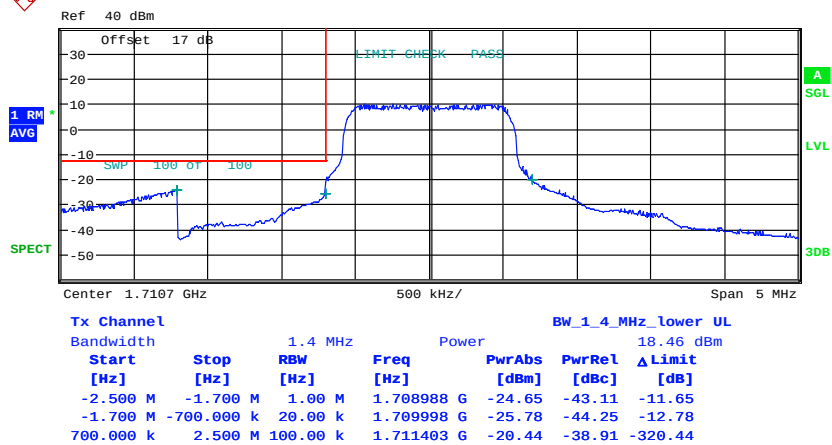
Date: 10.AUG.2017 18:00:45



Worldwide Testing Services(Taiwan) Co., Ltd.

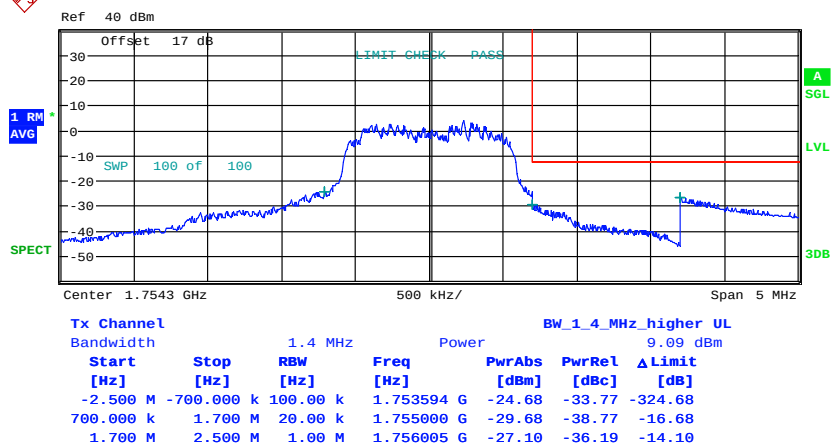
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



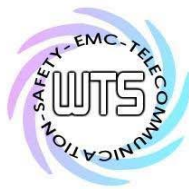
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Date: 10.AUG.2017 17:25:39



Bandedge Band4 QPSK FRB 1.4MHz CH20393

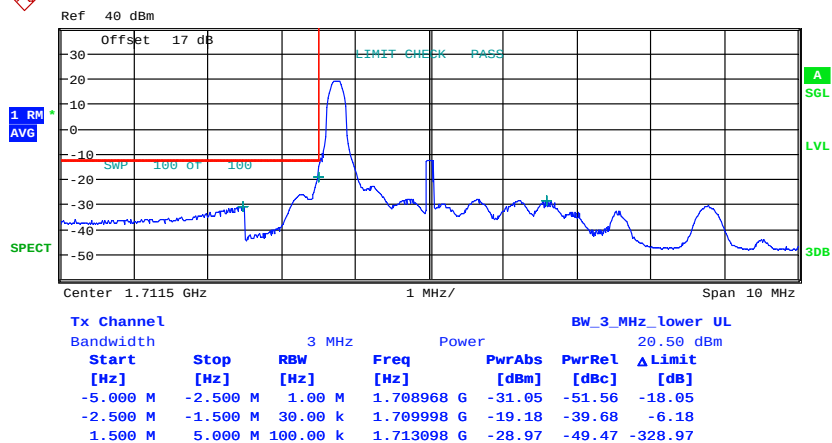
Date: 10.AUG.2017 17:56:44



Report Number: W6M21706-17098-P-247

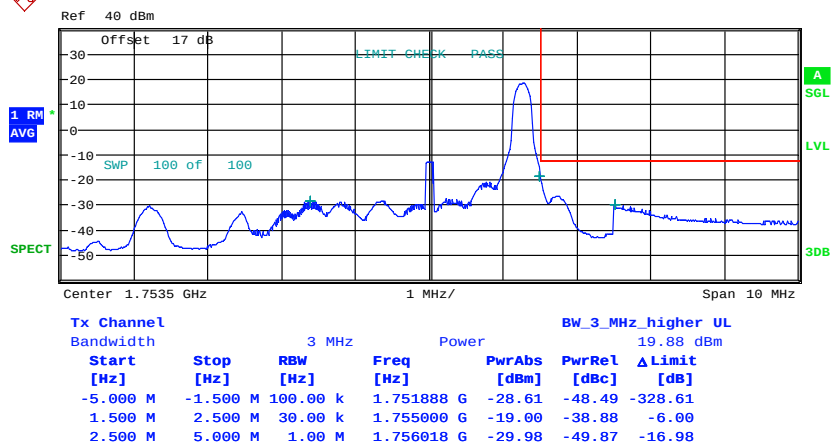
FCC ID: GX9HSGW

3 MHz QPSK



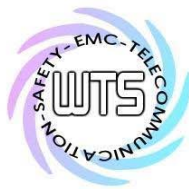
Bandedge Band4 QPSK 1RB 3MHz CH19965

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



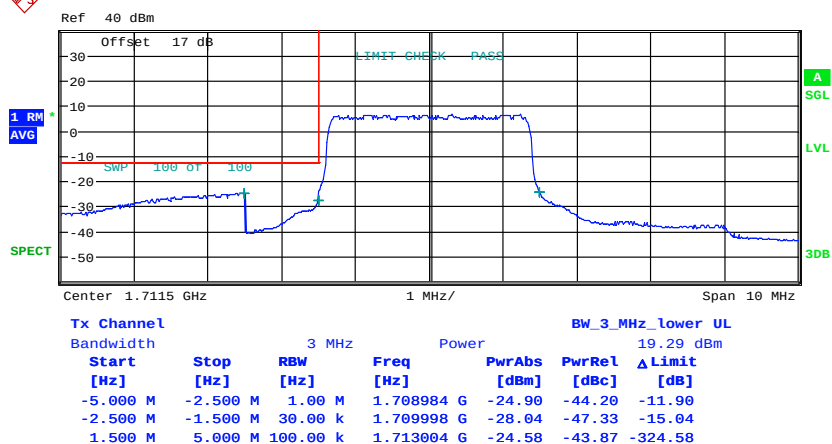
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Date: 11.AUG.2017 14:45:23



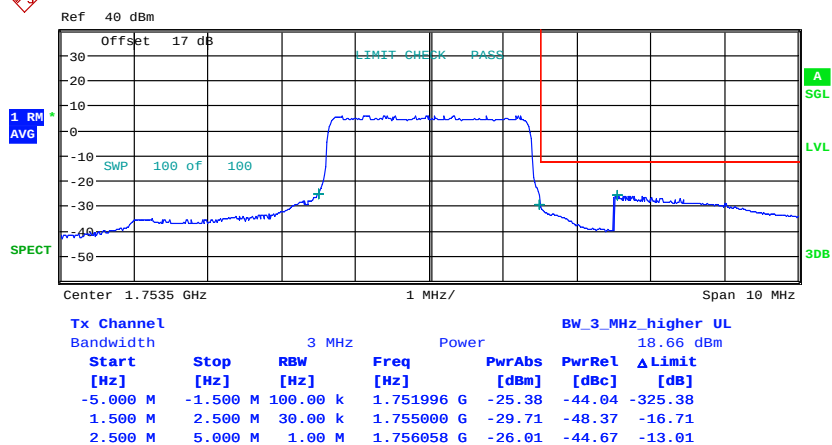
Report Number: W6M21706-17098-P-247

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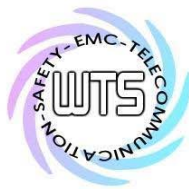
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Date: 11.AUG.2017 11:13:53



Bandedge Band4 QPSK 1RB 3MHz CH20385

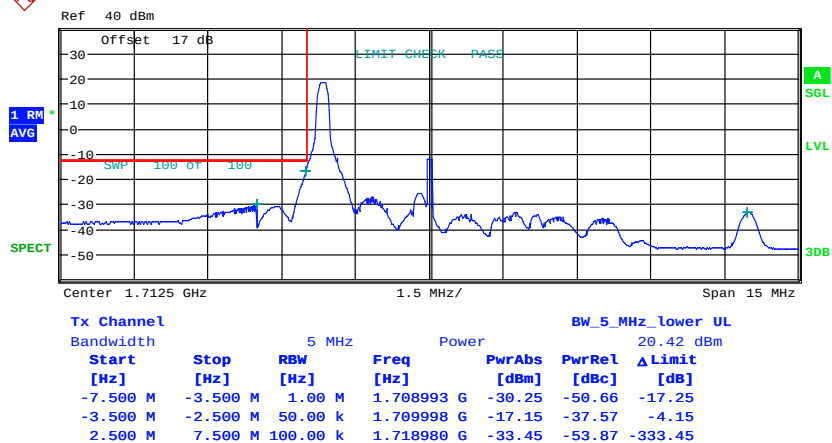
Date: 11.AUG.2017 14:46:33



Report Number: W6M21706-17098-P-247

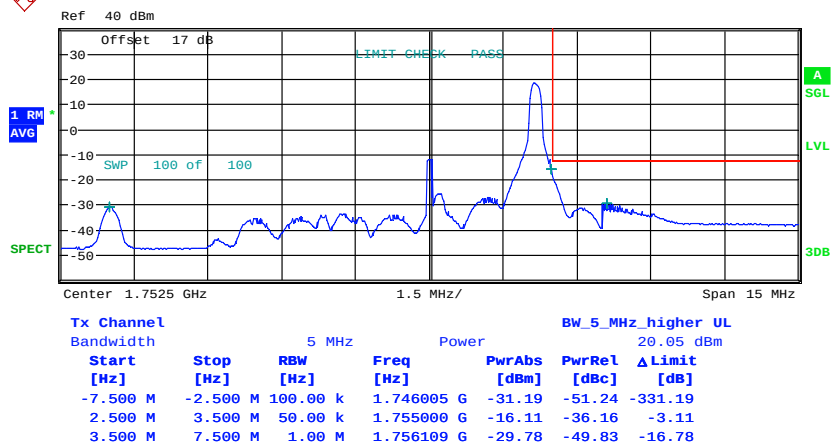
FCC ID: GX9HSGW

5 MHz QPSK



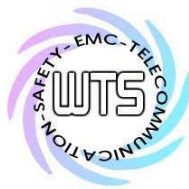
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Date: 11.AUG.2017 14:25:34



Bandedge Band4 QPSK 1RB 5MHz CH20375

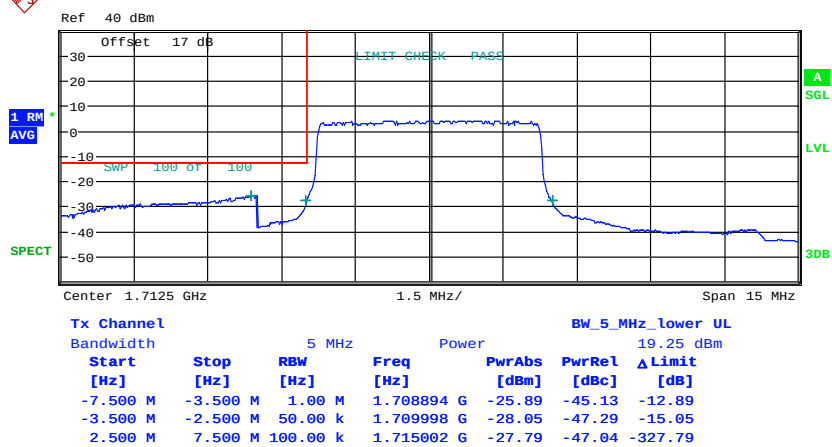
Date: 11.AUG.2017 15:50:18



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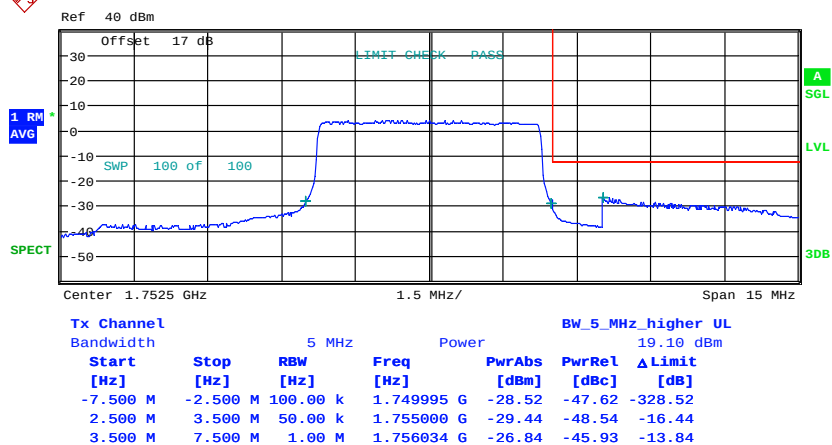
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



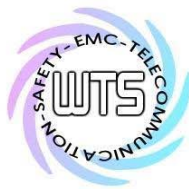
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Date: 11.AUG.2017 14:29:39



Bandedge Band4 QPSK FRB 5MHz CH20375

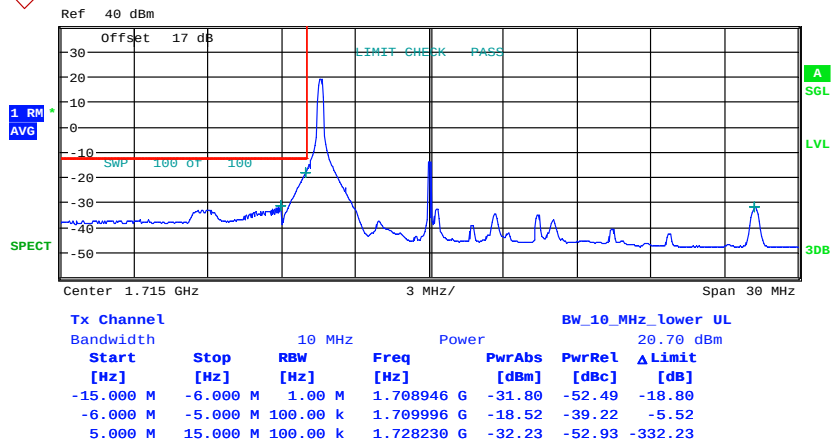
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Report Number: W6M21706-17098-P-247

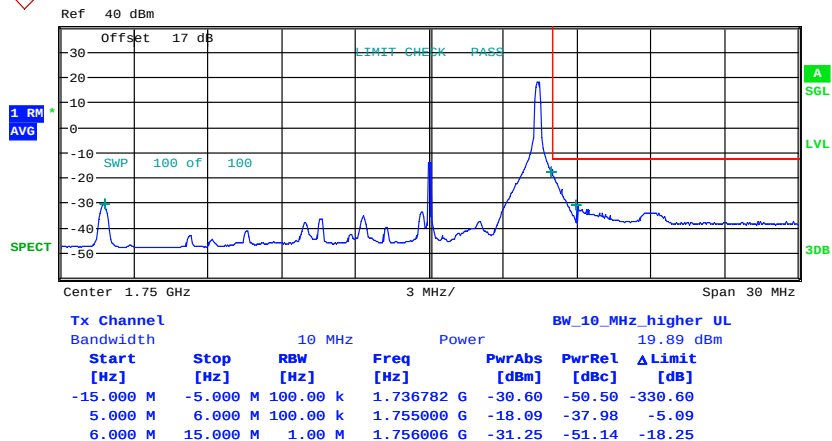
FCC ID: GX9HSGW

10 MHz QPSK



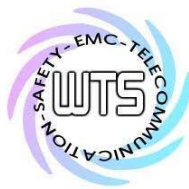
Bandedge Band4 QPSK 1RB 10MHz CH20000

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



Bandedge Band4 QPSK 1RB 10MHz CH20350

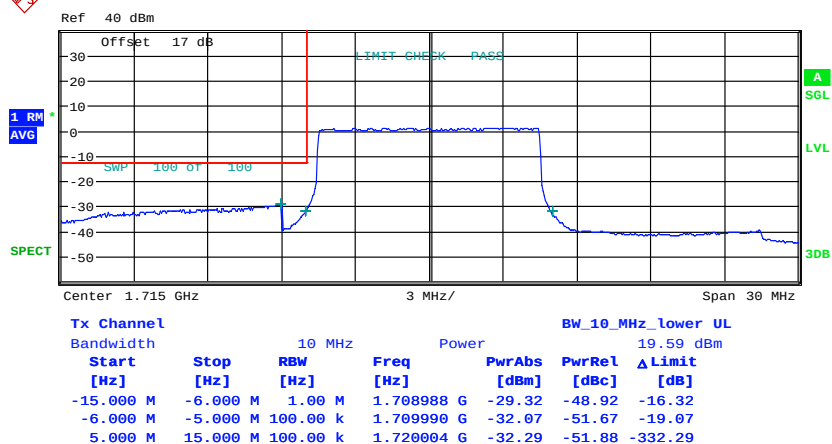
Date: 11.AUG.2017 16:59:00



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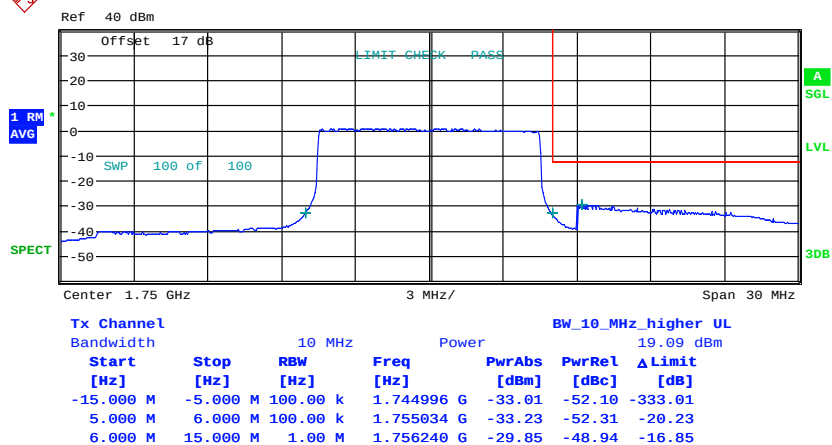
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FCC ID: GX9HSGW



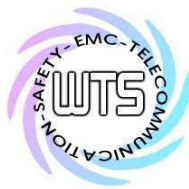
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Date: 11.AUG.2017 16:21:30



Bandedge Band4 QPSK FRB 10MHz CH20350

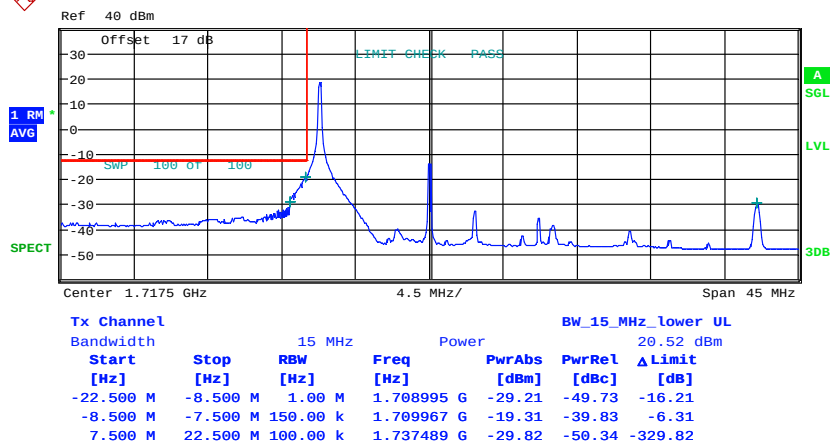
Date: 11.AUG.2017 16:57:38



Report Number: W6M21706-17098-P-247

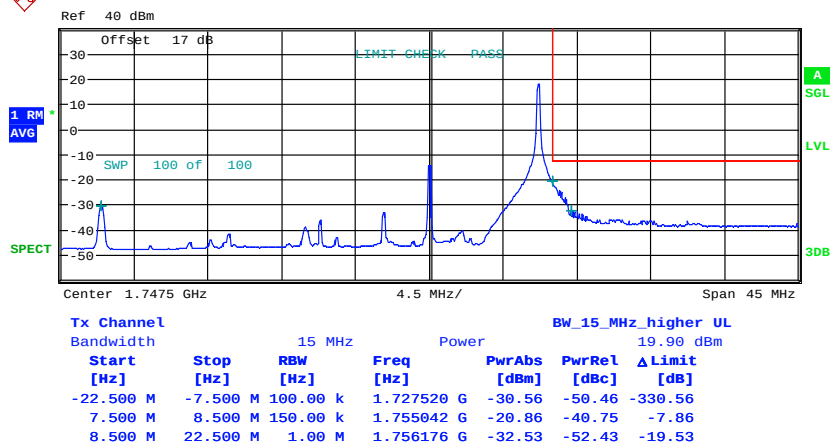
FCC ID: GX9HSGW

15 MHz QPSK



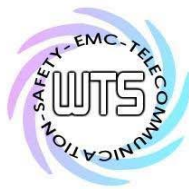
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Date: 11.AUG.2017 17:29:40



Bandedge Band4 QPSK 1RB 15MHz CH20325

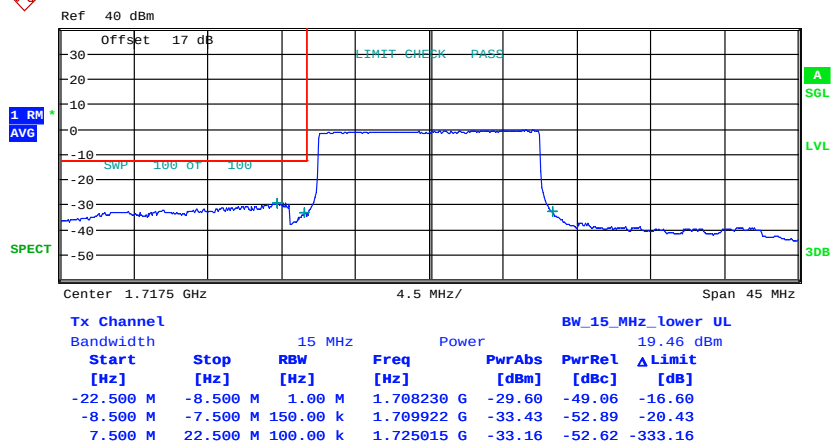
Date: 11.AUG.2017 17:37:37



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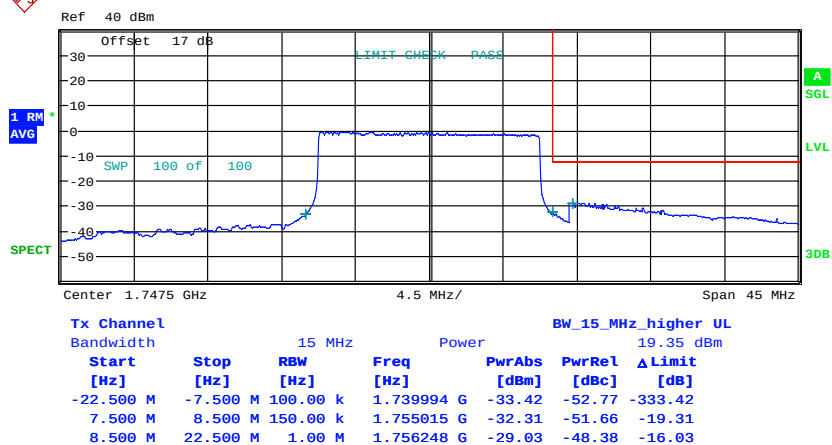
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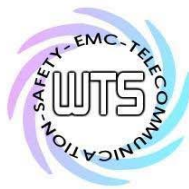
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Date: 11.AUG.2017 17:31:31



Bandedge Band4 QPSK FRB 15MHz CH20325

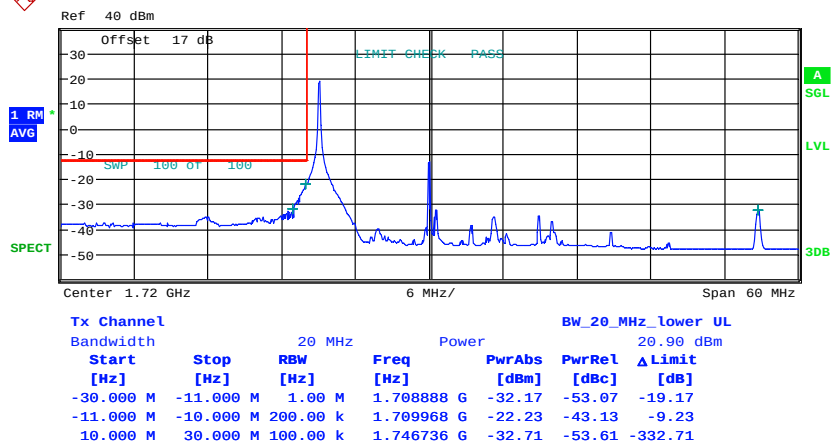
Date: 11.AUG.2017 17:35:44



Report Number: W6M21706-17098-P-247

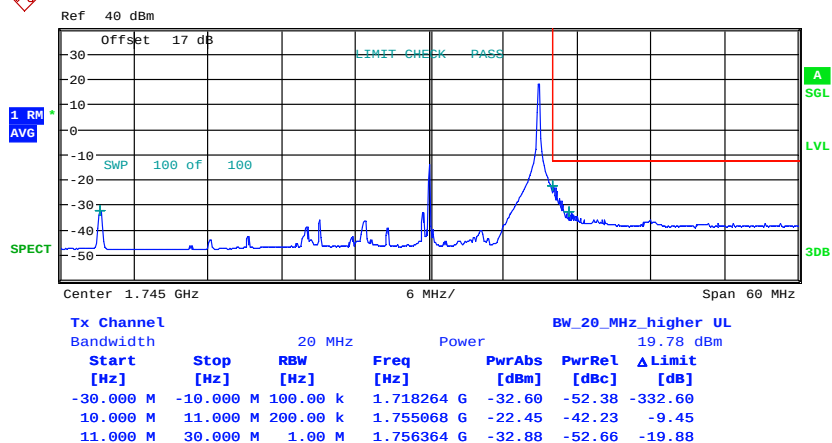
FCC ID: GX9HSGW

20 MHz QPSK



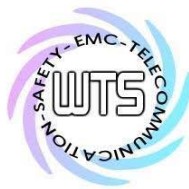
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Date: 11.AUG.2017 18:12:57



Bandedge Band4 QPSK 1RB 20MHz CH20300

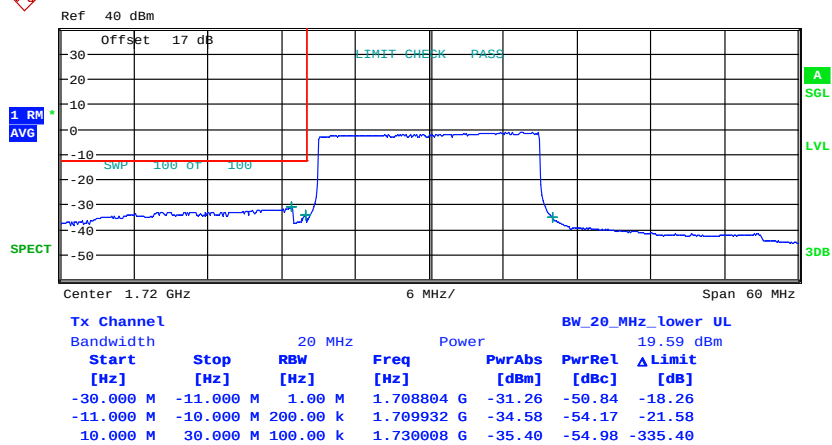
Date: 11.AUG.2017 18:23:44



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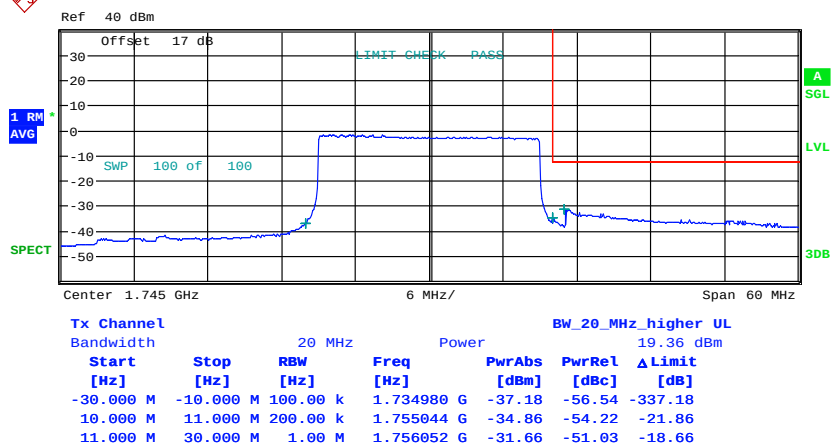
Report Number: W6M21706-17098-P-247

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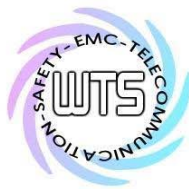
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Date: 11.AUG.2017 18:15:04



Bandedge Band4 QPSK FRB 20MHz CH20300

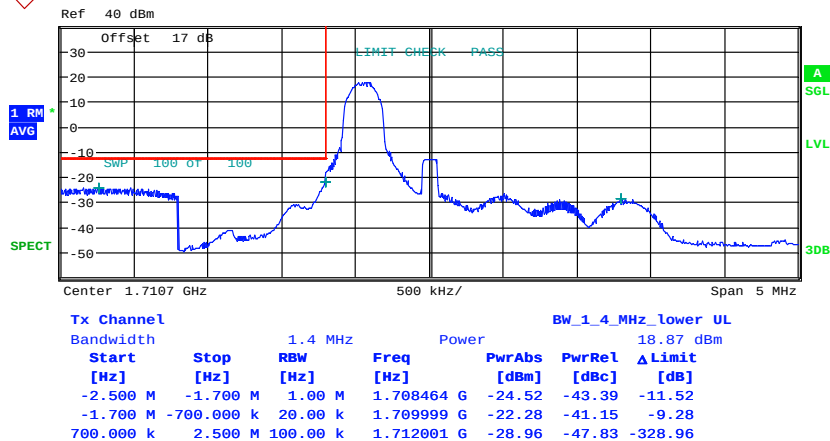
Date: 11.AUG.2017 18:21:39



Report Number: W6M21706-17098-P-247

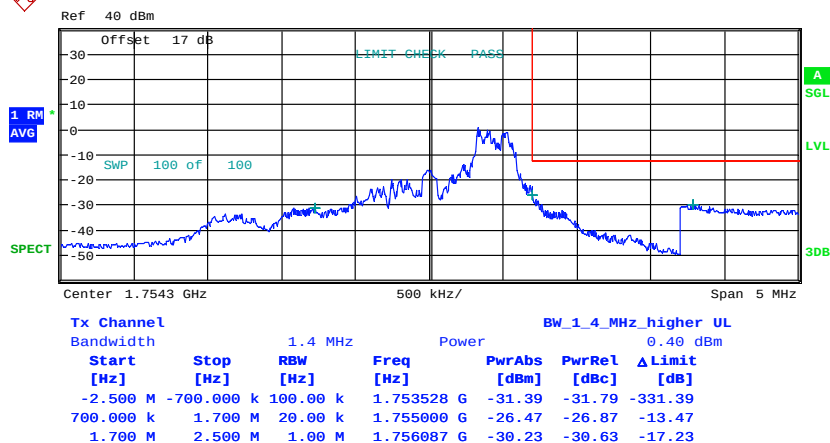
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1.4 MHz 16QAM



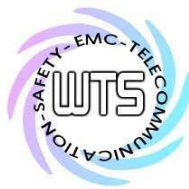
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Date: 10.AUG.2017 17:37:20



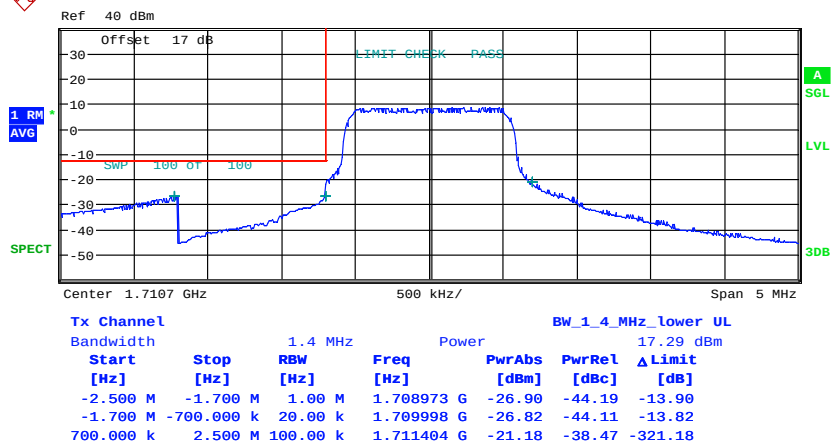
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Date: 10.AUG.2017 18:04:32



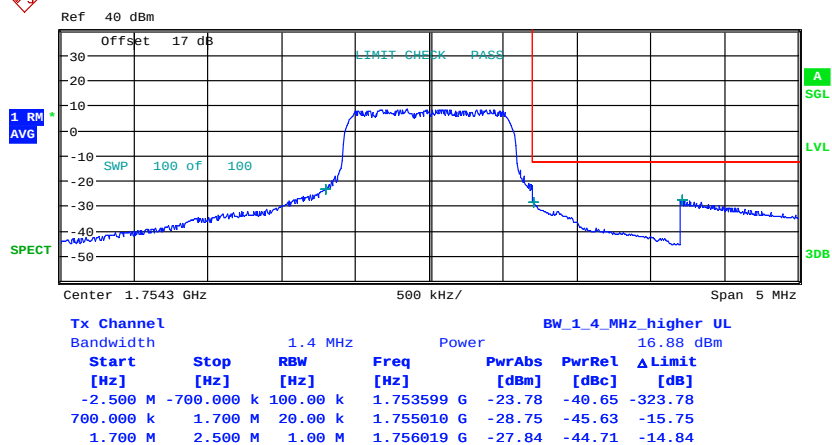
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



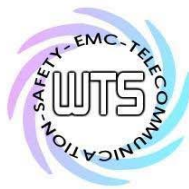
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Date: 10.AUG.2017 17:39:07



Bandedge Band4 16QAM FRB 1.4MHz CH20393

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

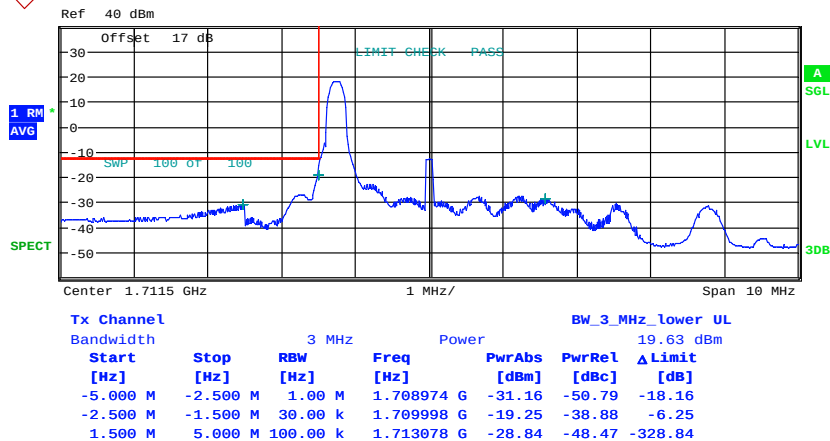


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Report Number: W6M21706-17098-P-247

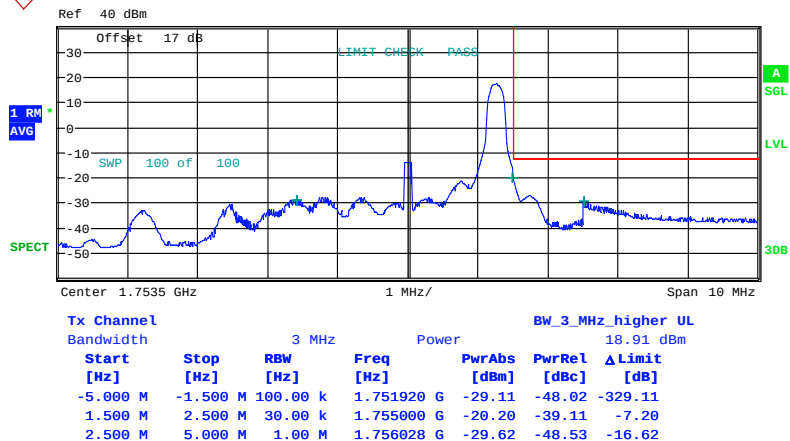
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3 MHz 16QAM



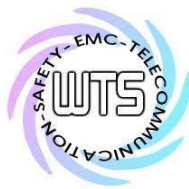
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Date: 11.AUG.2017 11:11:12



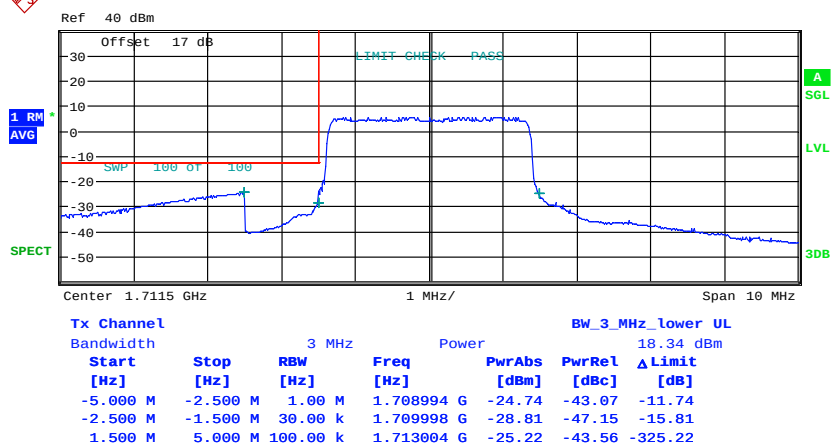
Bandedge Band4 16QAM 1RB 3MHz CH20385

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



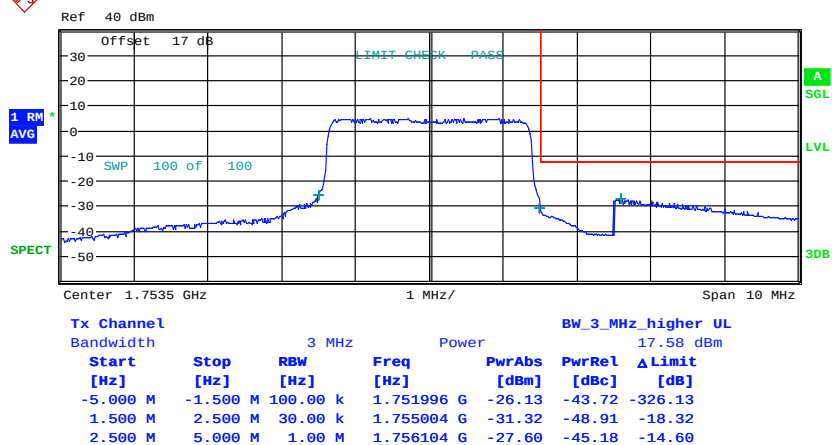
Report Number: W6M21706-17098-P-247

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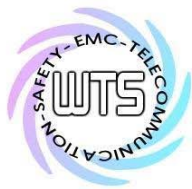
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Date: 11.AUG.2017 11:12:32



Bandedge Band4 16QAM FRB 3MHz CH20385

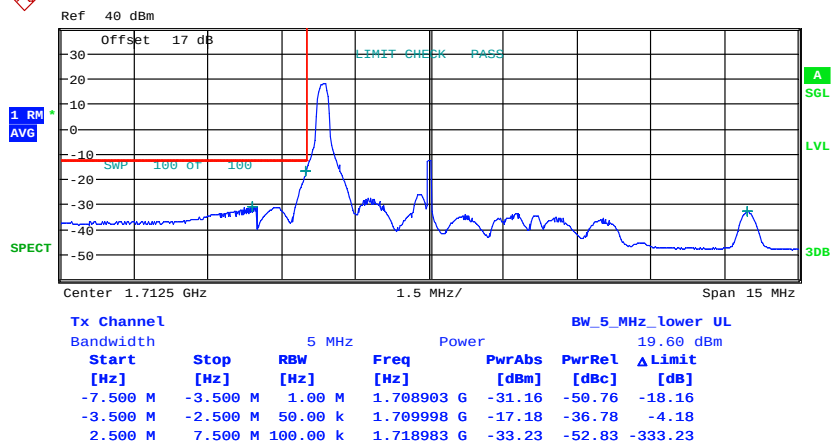
Date: 11.AUG.2017 14:42:31



Report Number: W6M21706-17098-P-247

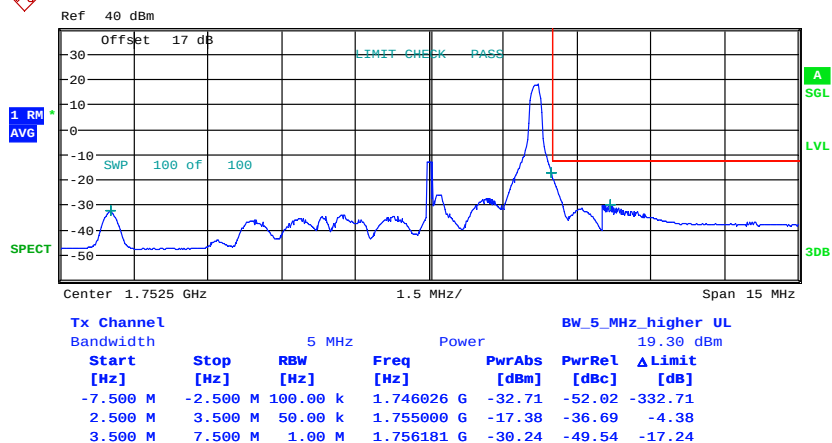
FCC ID: GX9HSGW

5 MHz 16QAM



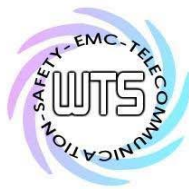
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Date: 11.AUG.2017 14:24:07



Bandedge Band4 16QAM 1RB 5MHz CH20375

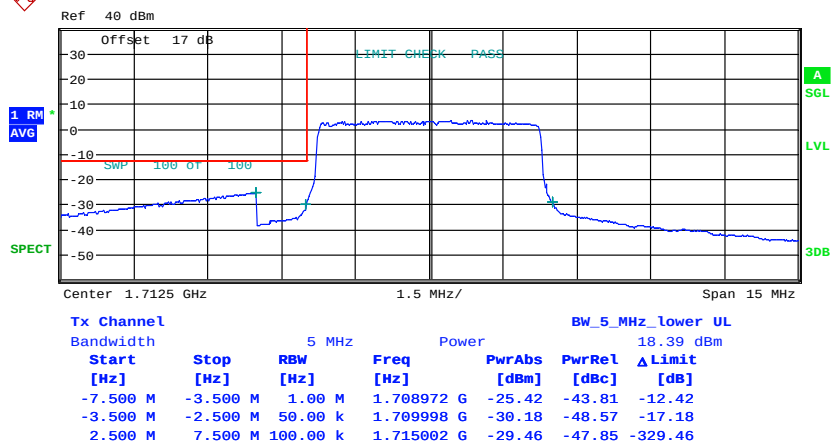
Date: 11.AUG.2017 15:49:00



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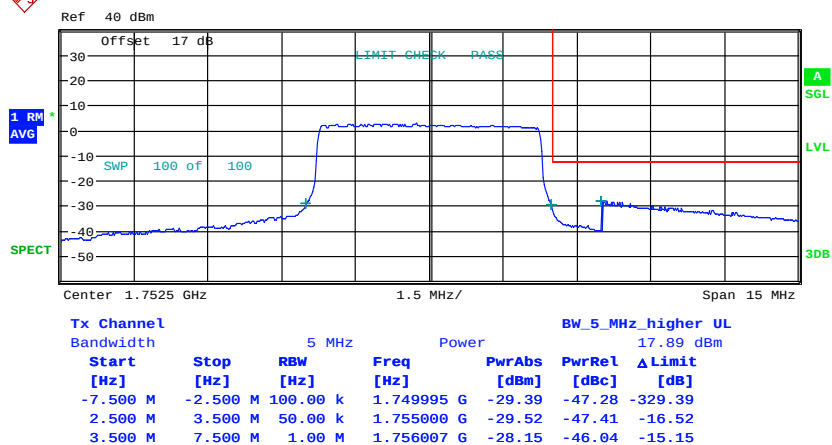
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



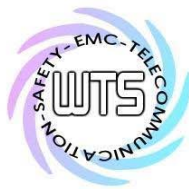
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Date: 11.AUG.2017 14:22:53



Bandedge Band4 16QAM FRB 5MHz CH20375

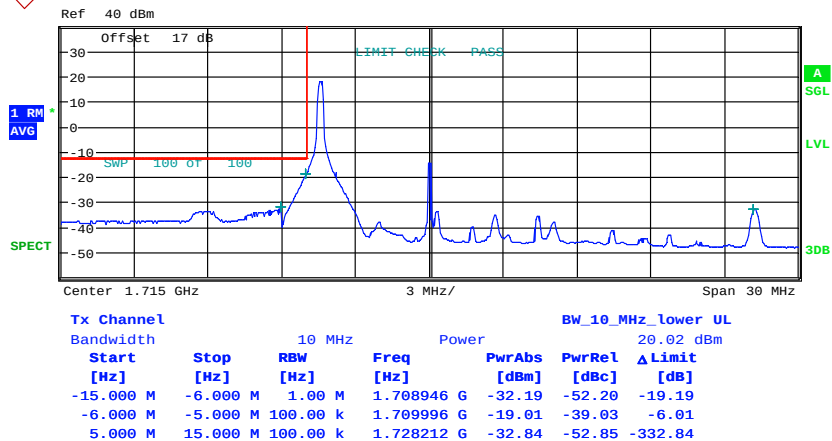
Date: 11.AUG.2017 15:47:45



Report Number: W6M21706-17098-P-247

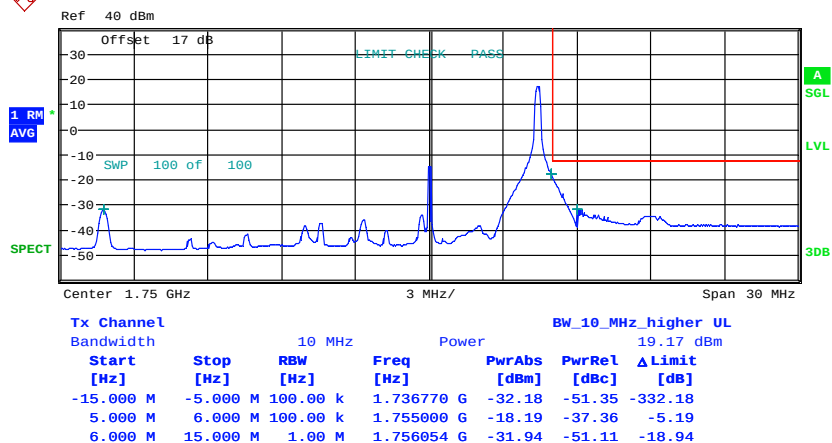
FCC ID: GX9HSGW

10 MHz 16QAM



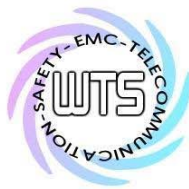
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Date: 11.AUG.2017 16:18:39



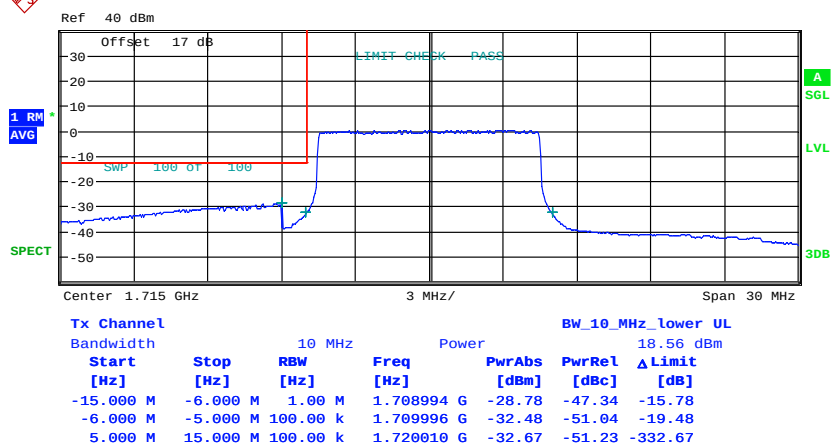
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Date: 11.AUG.2017 17:00:24



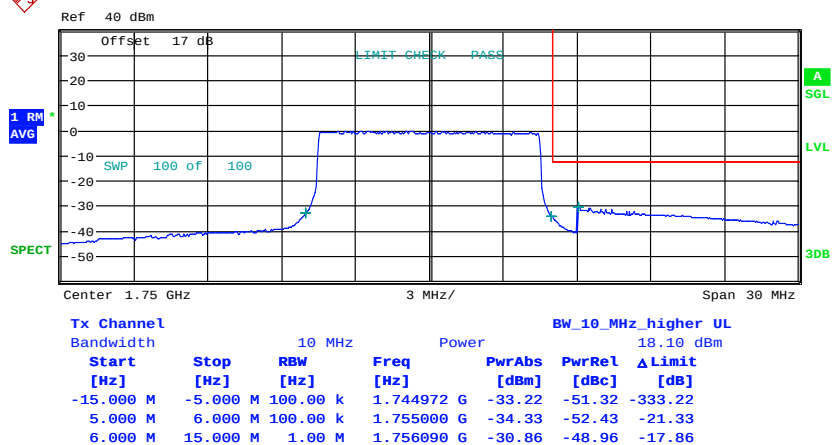
Report Number: W6M21706-17098-P-247

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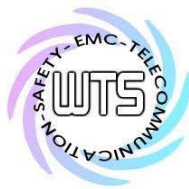
Bandedge Band4 16QAM FRB 10MHz CH20000

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



Bandedge Band4 16QAM FRB 10MHz CH20350

Date: 11.AUG.2017 17:01:59

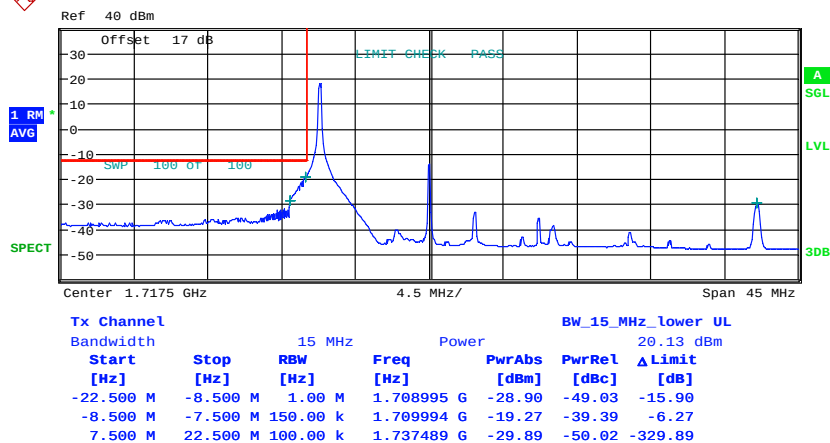


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Report Number: W6M21706-17098-P-247

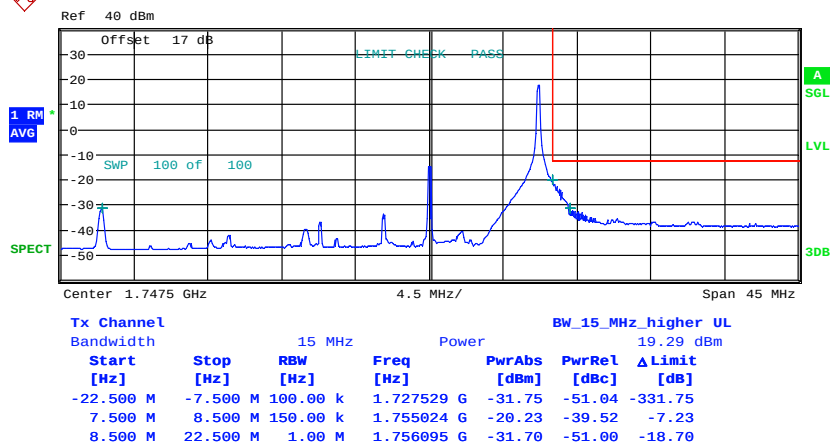
FCC ID: GX9HSGW

15 MHz 16QAM



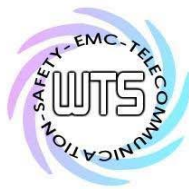
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Date: 11.AUG.2017 17:27:29



Bandedge Band4 16QAM 1RB 15MHz CH20325

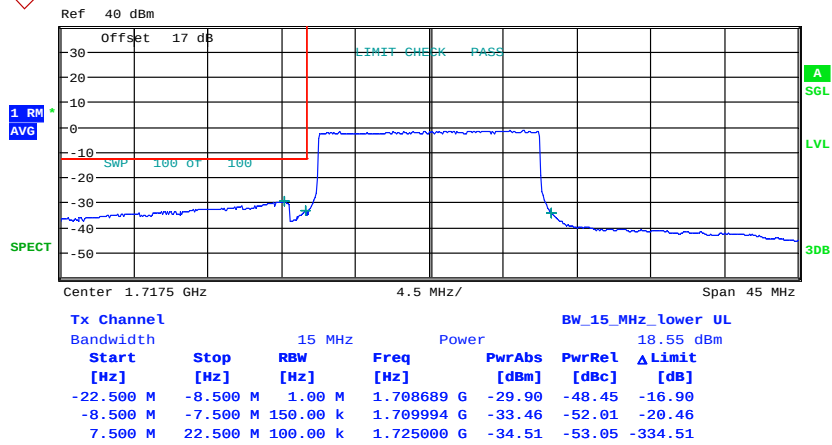
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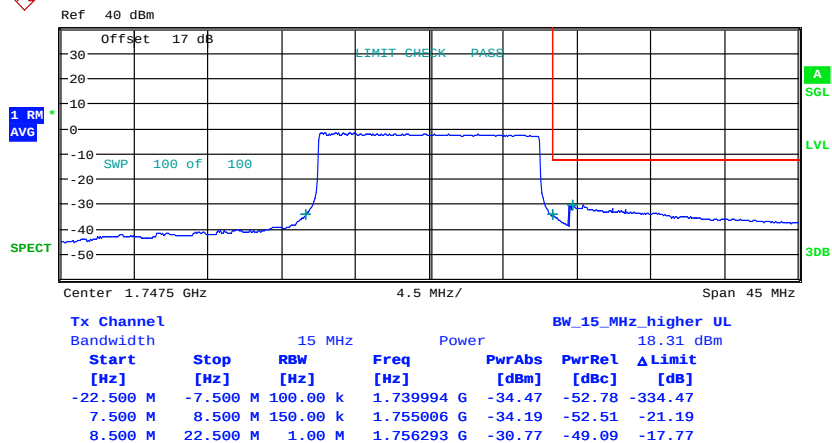
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



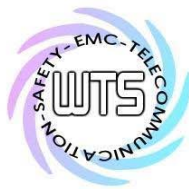
Bandedge Band4 16QAM FRB 15MHz CH20025

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



Bandedge Band4 16QAM FRB 15MHz CH20325

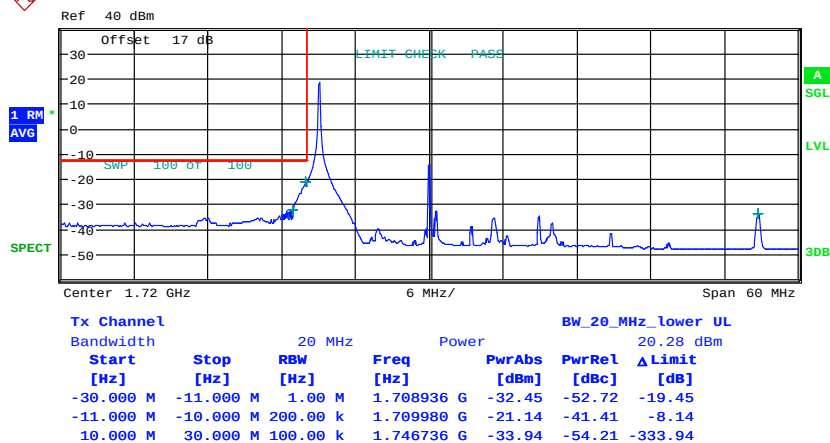
Date: 11.AUG.2017 17:42:12



Report Number: W6M21706-17098-P-247

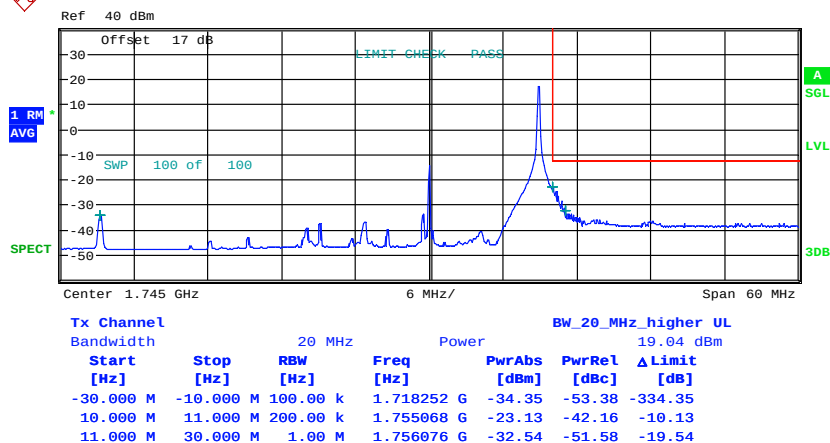
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20 MHz 16QAM



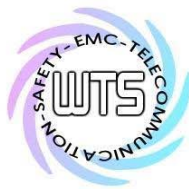
Bandedge Band4 16QAM 1RB 20MHz CH20050

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



Bandedge Band4 16QAM 1RB 20MHz CH20300

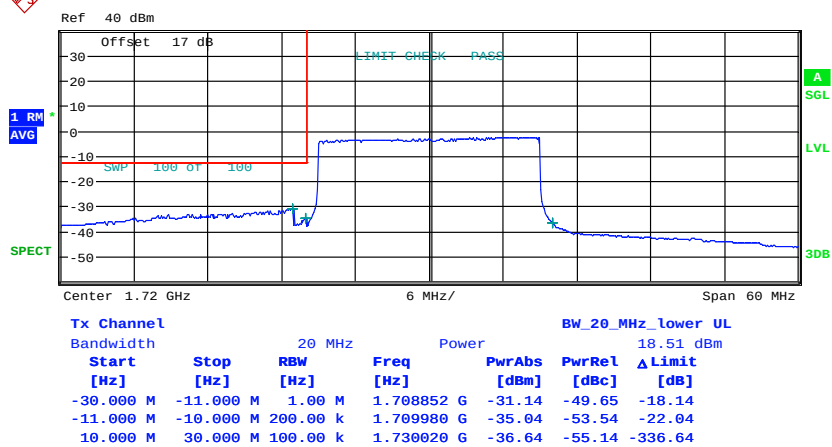
Date: 11.AUG.2017 18:25:46



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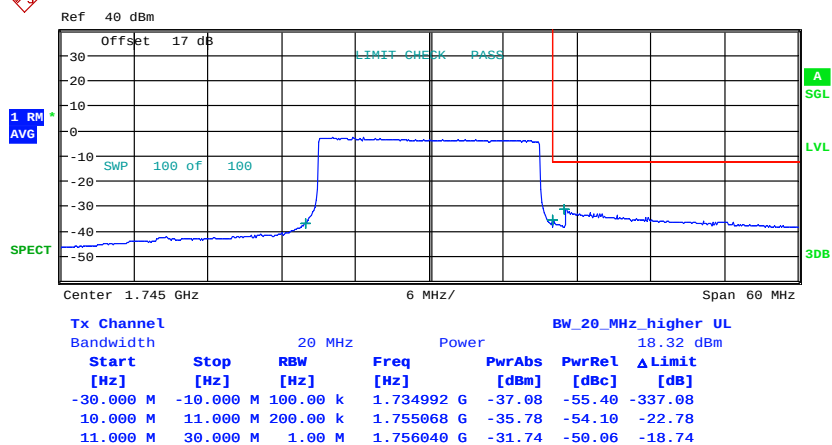
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



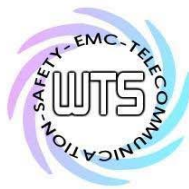
Bandedge Band4 16QAM FRB 20MHz CH20050

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



Bandedge Band4 16QAM FRB 20MHz CH20300

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



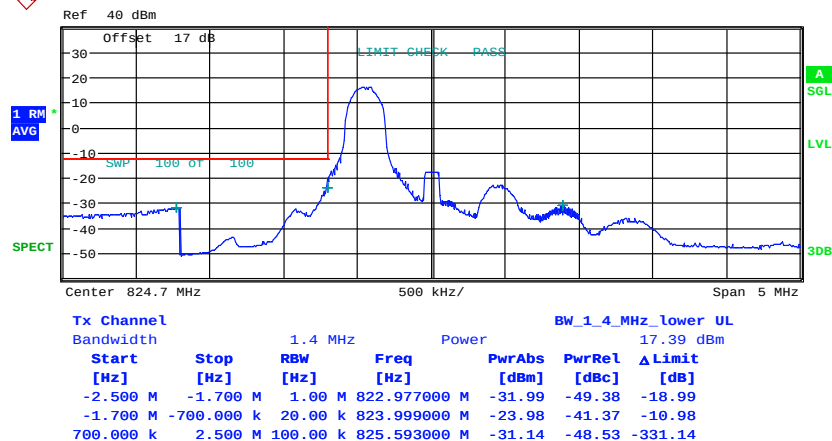
Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW

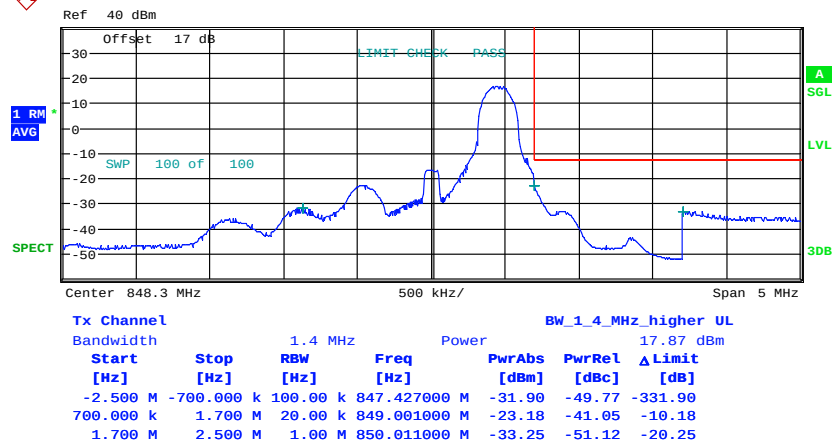
Band 5

1.4 MHz QPSK



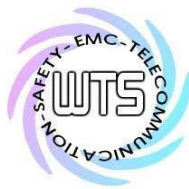
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Date: 10.AUG.2017 17:05:29



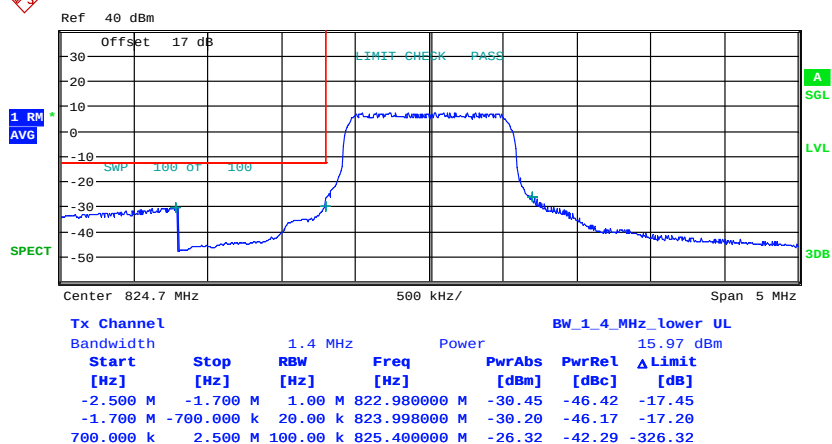
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Date: 10.AUG.2017 18:14:08



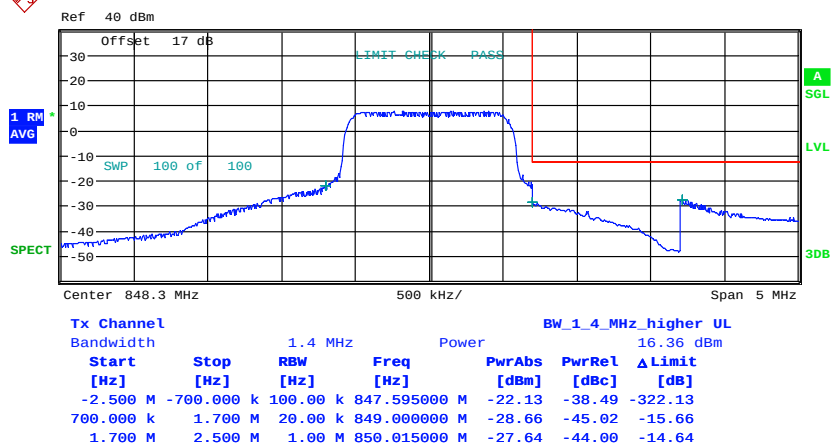
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



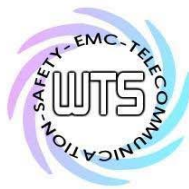
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Date: 10.AUG.2017 17:03:06



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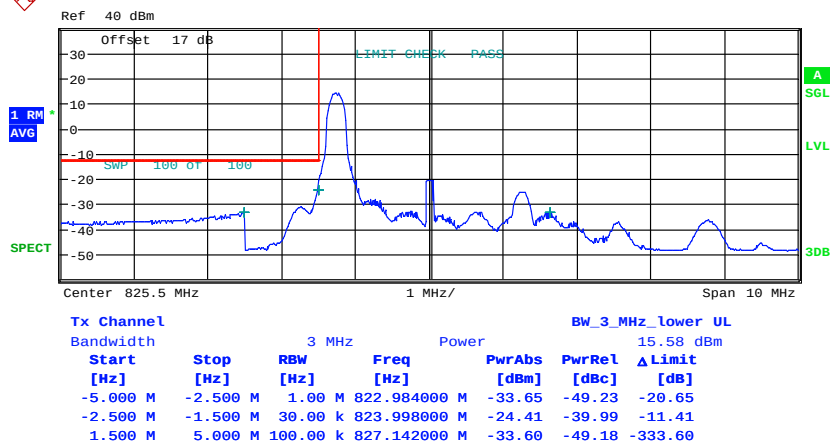
Date: 10.AUG.2017 18:15:51



Report Number: W6M21706-17098-P-247

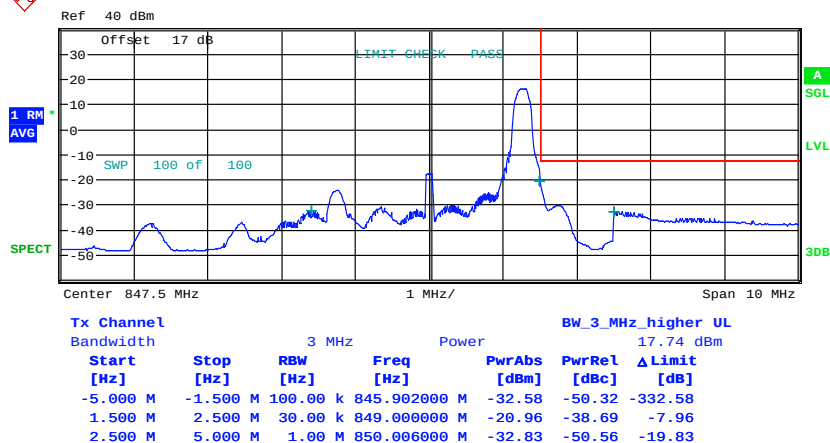
FCC ID: GX9HSGW

3 MHz QPSK



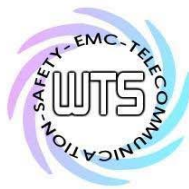
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Date: 11.AUG.2017 11:16:59



Bandedge Band5 QPSK 1RB 3MHz CH20635

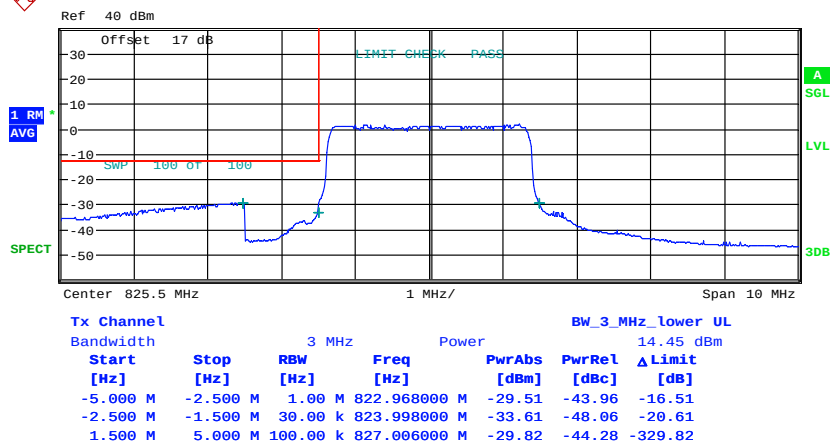
Date: 11.AUG.2017 13:13:27



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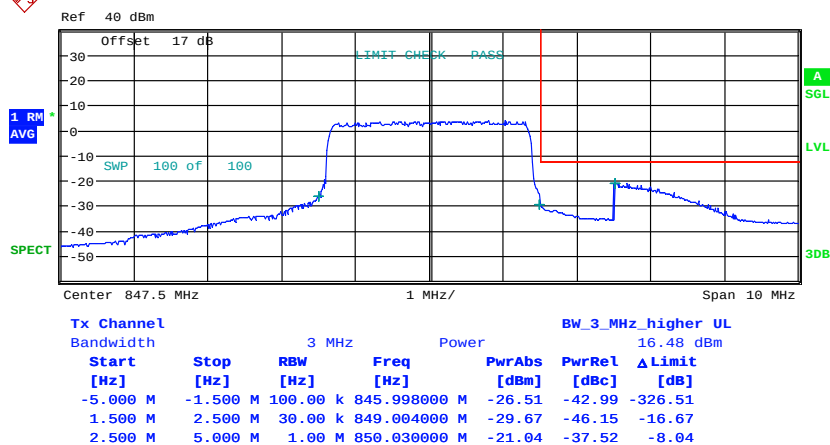
Report Number: W6M21706-17098-P-247

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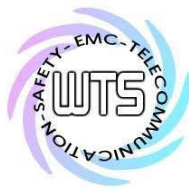
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Date: 11.AUG.2017 11:18:17



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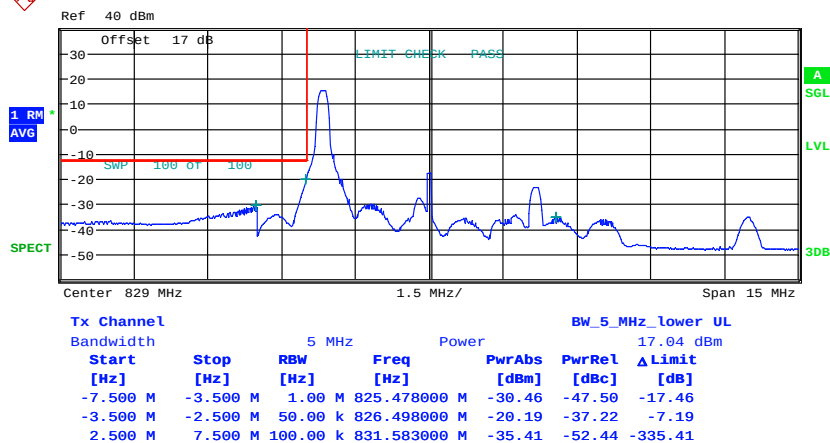
Date: 11.AUG.2017 13:11:57



Report Number: W6M21706-17098-P-247

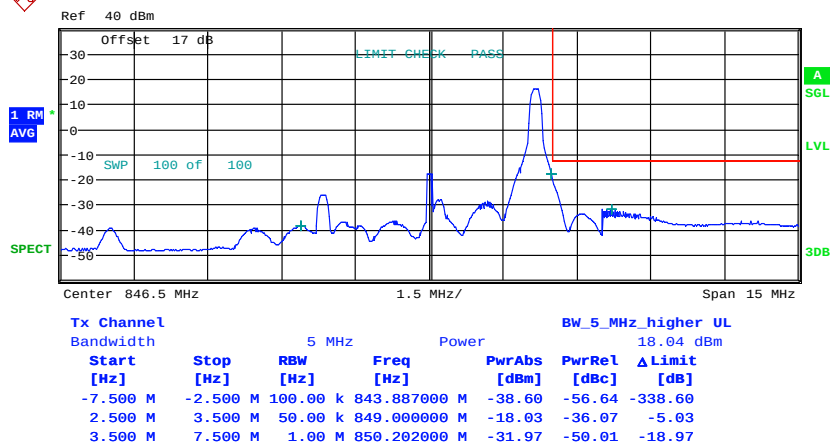
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5 MHz QPSK



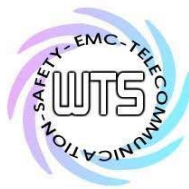
Bandedge Band5 QPSK 1RB 5MHz CH20450

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



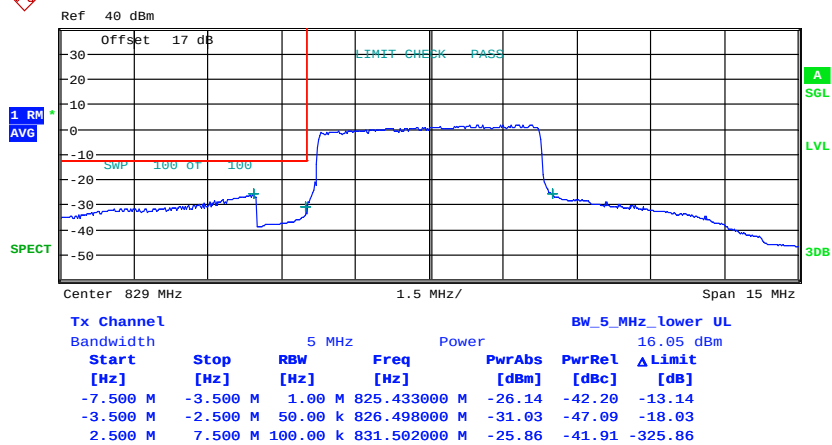
Bandedge Band5 QPSK 1RB 5MHz CH20625

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



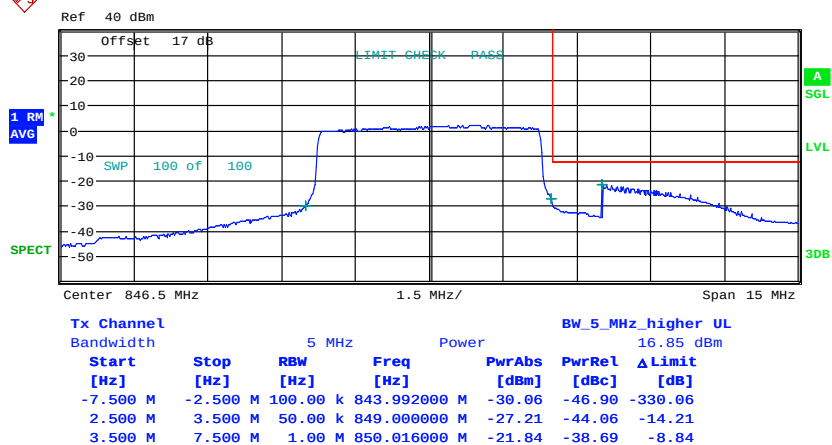
Report Number: W6M21706-17098-P-247

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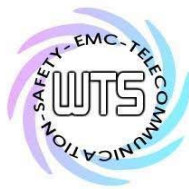
Bandedge Band5 QPSK FRB 5MHz CH20450

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



Bandedge Band5 QPSK FRB 5MHz CH20625

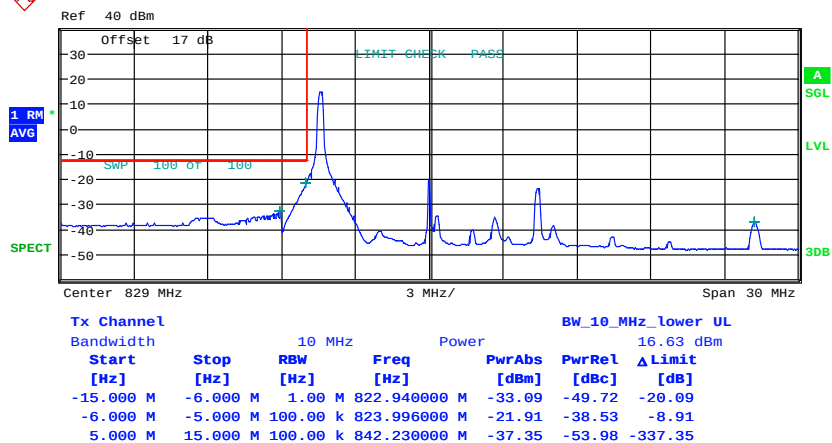
Date: 11.AUG.2017 15:53:59



Report Number: W6M21706-17098-P-247

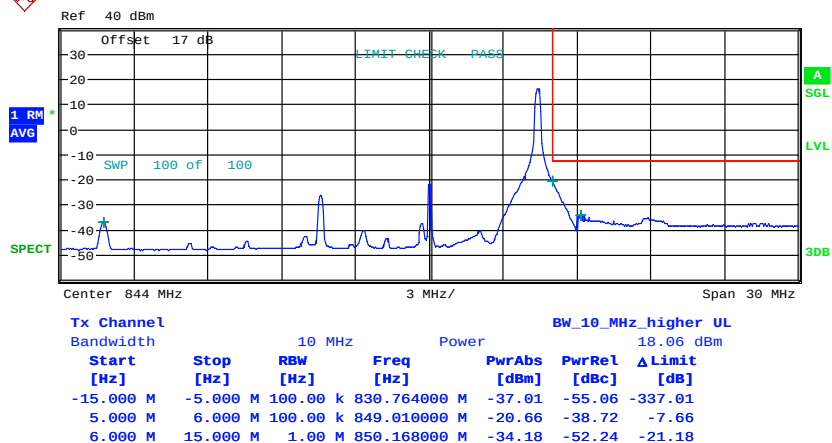
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10 MHz QPSK



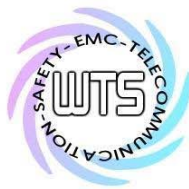
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Date: 11.AUG.2017 16:25:22



Bandedge Band5 QPSK 1RB 10MHz CH20600

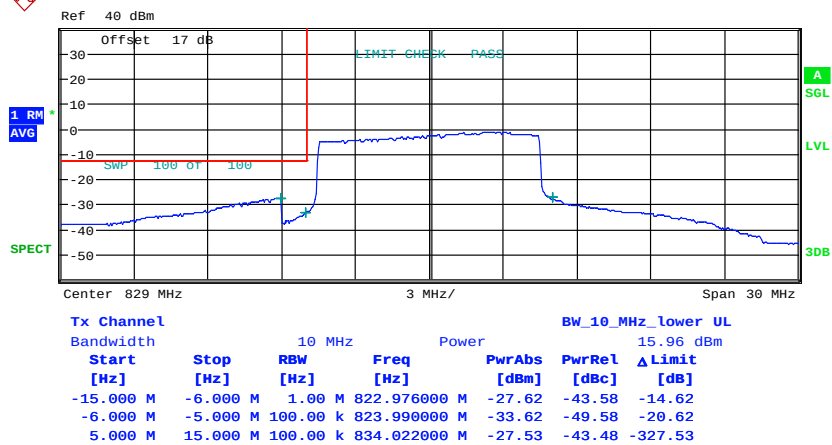
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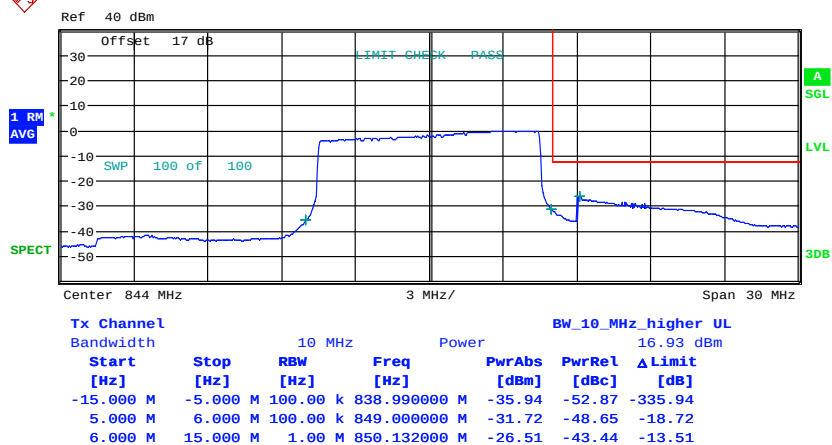
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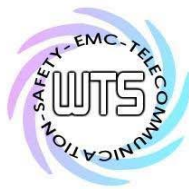
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Date: 11.AUG.2017 16:23:47



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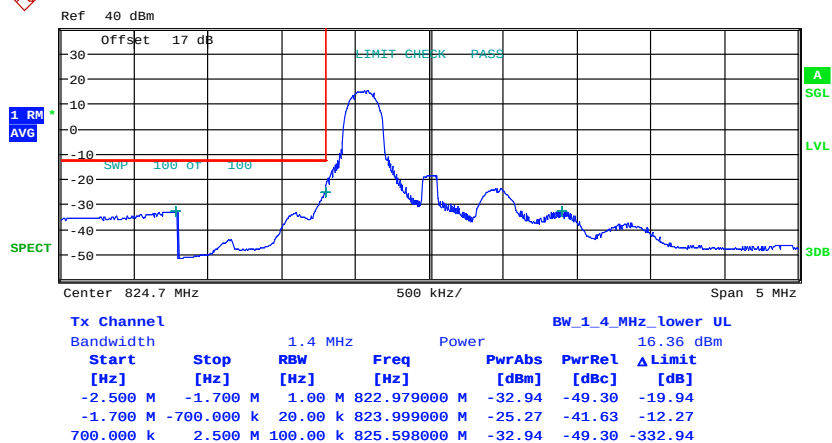
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Report Number: W6M21706-17098-P-247

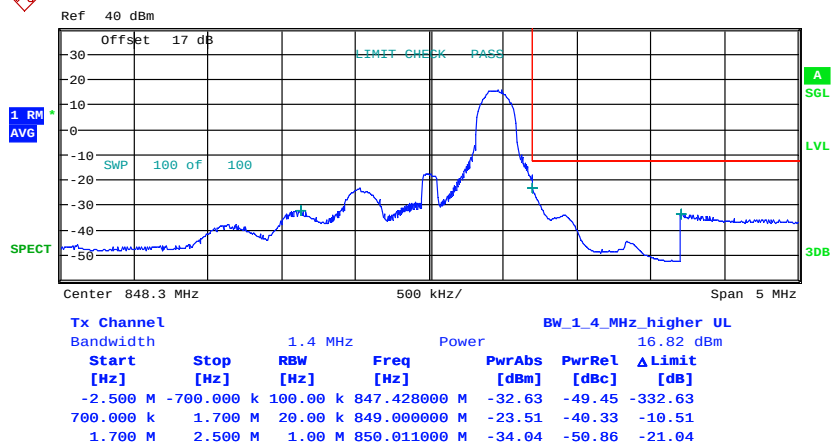
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1.4 MHz 16QAM



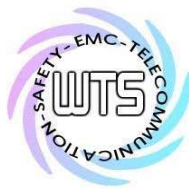
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Date: 10.AUG.2017 17:07:09



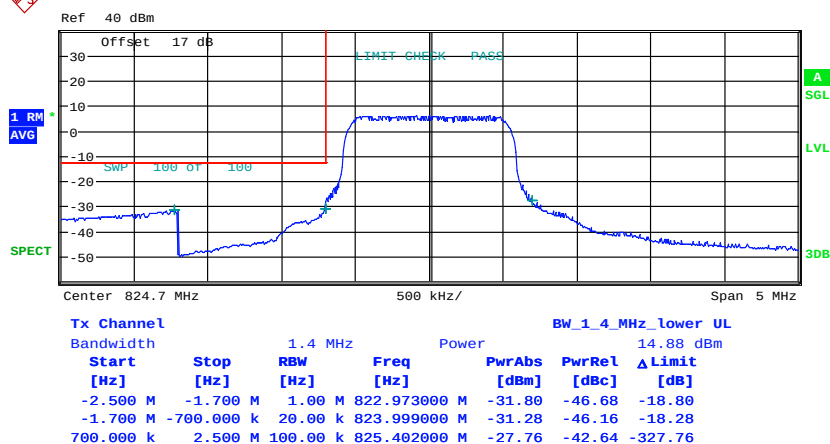
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Date: 10.AUG.2017 18:12:18



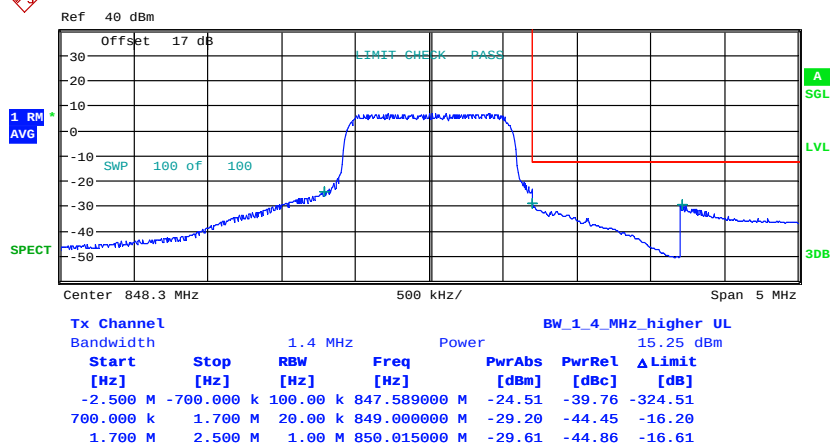
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



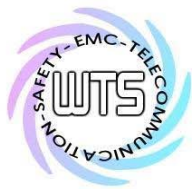
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Date: 10.AUG.2017 17:08:52



Bandedge Band5 16QAM FRB 1.4MHz CH20643

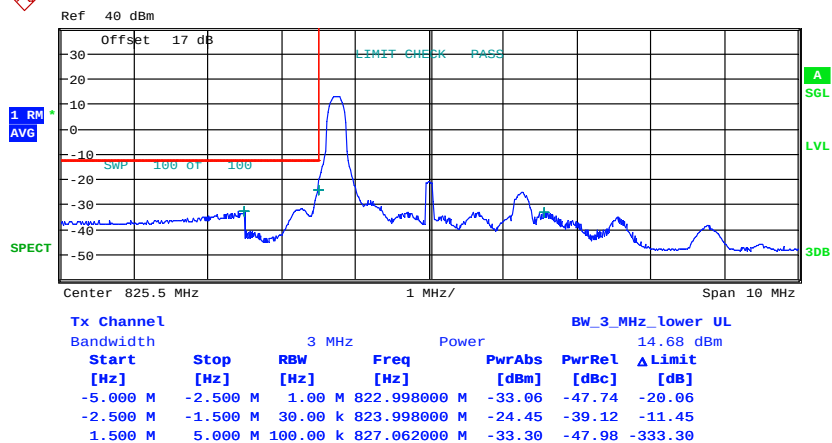
Date: 10.AUG.2017 18:10:19



Report Number: W6M21706-17098-P-247

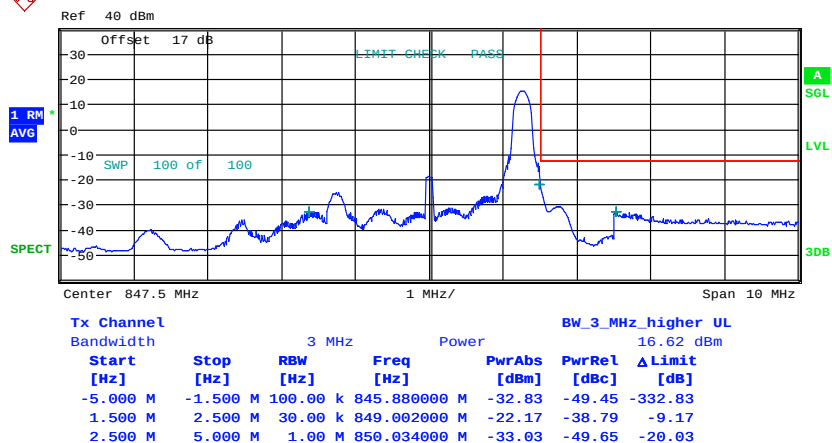
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3 MHz 16QAM



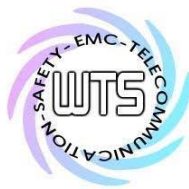
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Date: 11.AUG.2017 11:20:55



Bandedge Band5 16QAM 1RB 3MHz CH20635

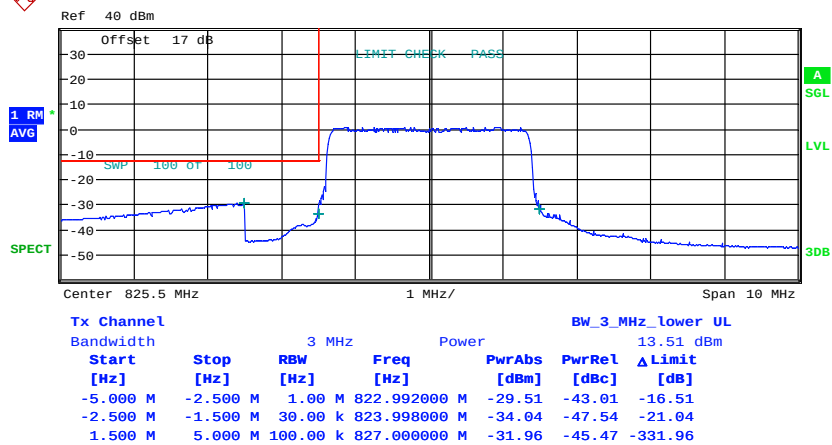
Date: 11.AUG.2017 13:14:48



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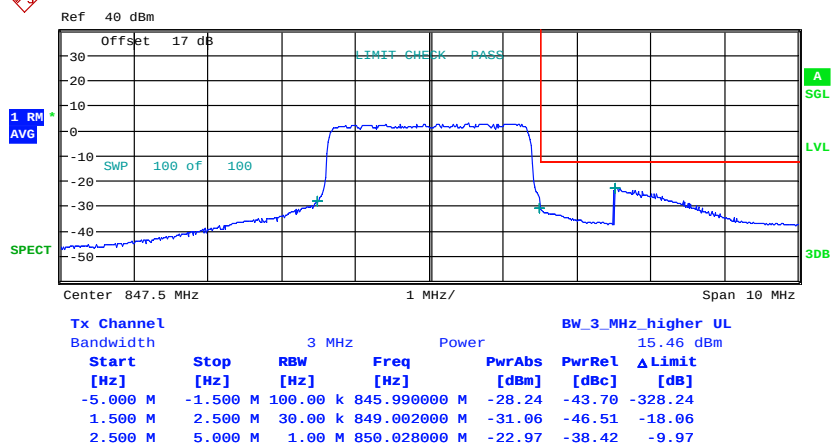
Report Number: W6M21706-17098-P-247

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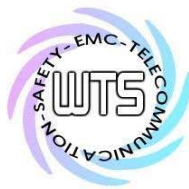
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Date: 11.AUG.2017 11:19:40



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Date: 11.AUG.2017 13:16:02

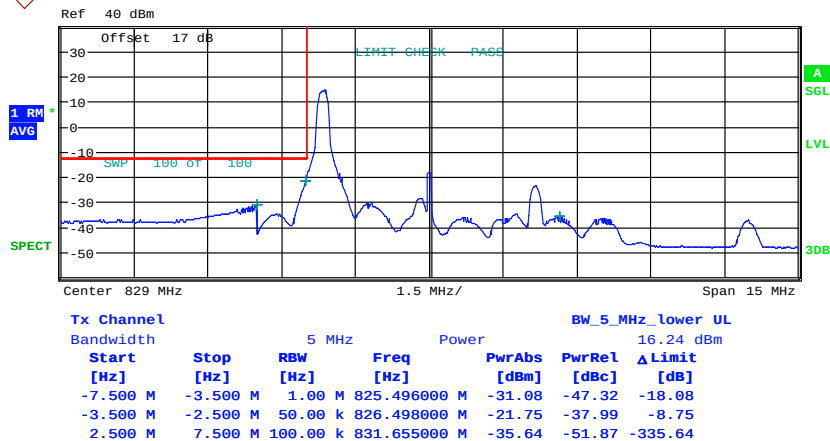


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Report Number: W6M21706-17098-P-247

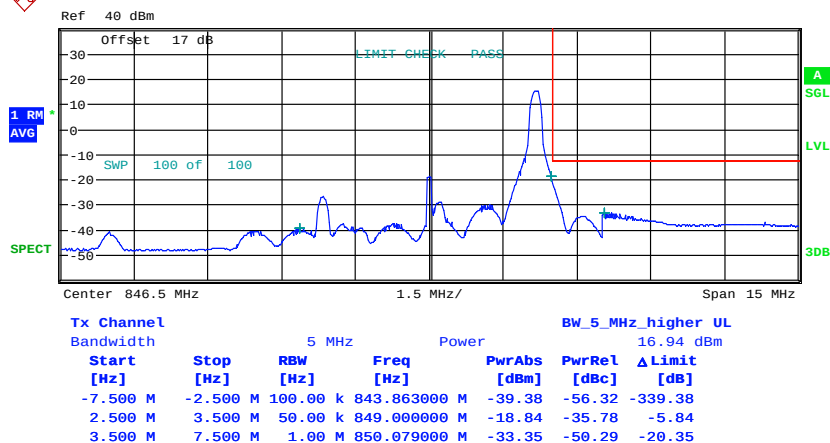
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5 MHz 16QAM



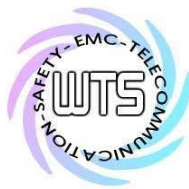
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Date: 11.AUG.2017 14:12:39



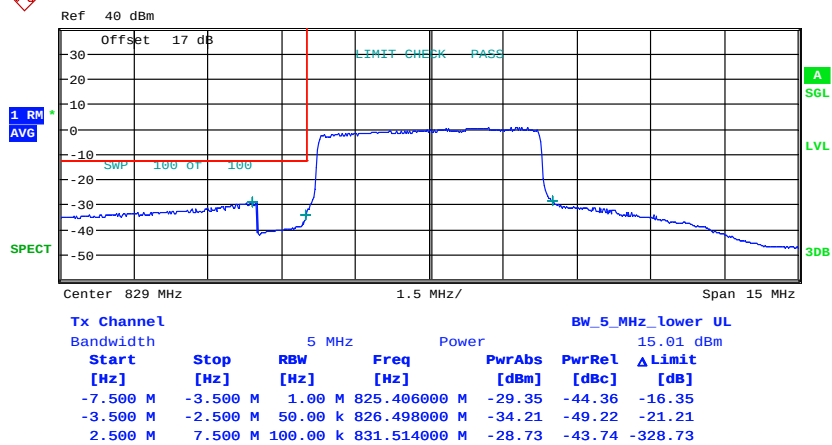
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Date: 11.AUG.2017 15:59:34



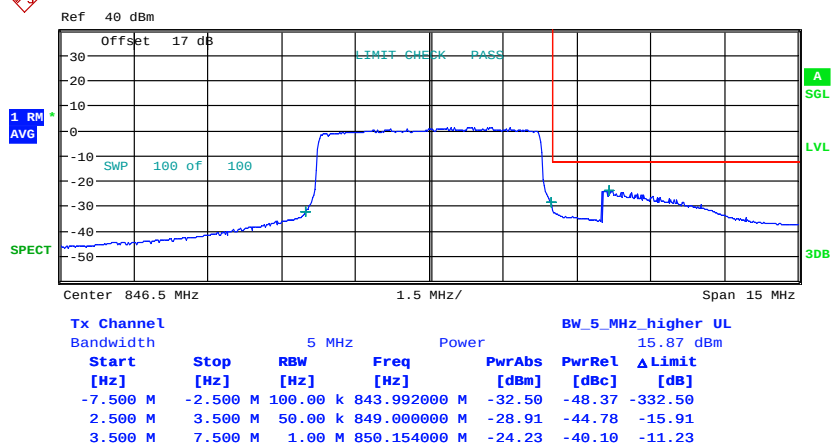
Report Number: W6M21706-17098-P-247

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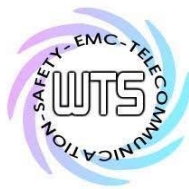
Bandedge Band5 16QAM FRB 5MHz CH20450

Date: 11.AUG.2017 14:11:36



Bandedge Band5 16QAM FRB 5MHz CH20625

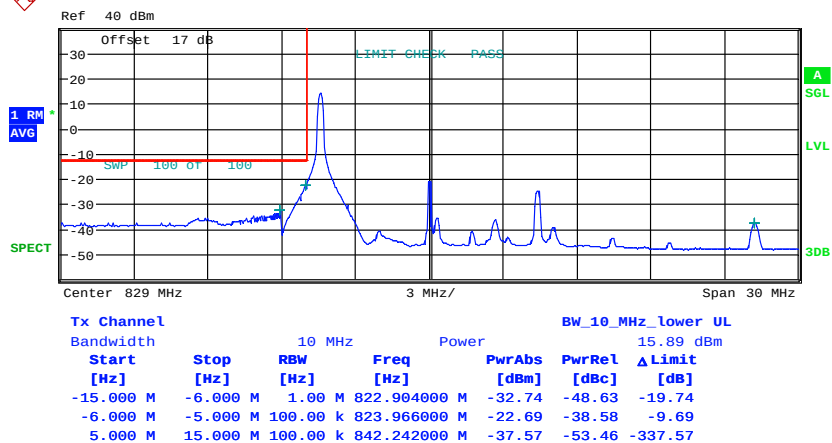
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Report Number: W6M21706-17098-P-247

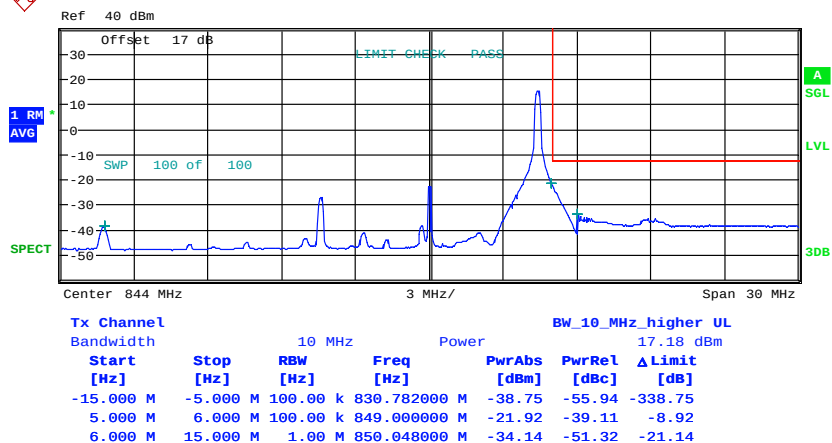
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10 MHz 16QAM



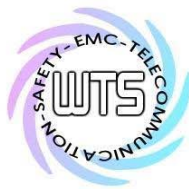
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Date: 11.AUG.2017 16:26:58



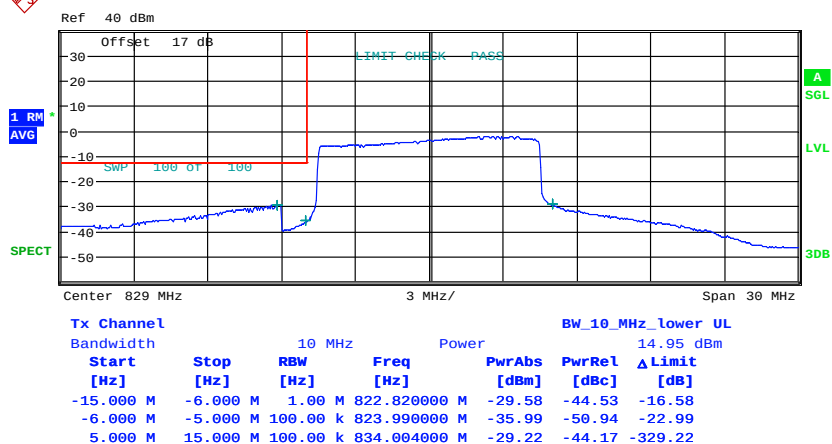
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Date: 11.AUG.2017 16:50:18



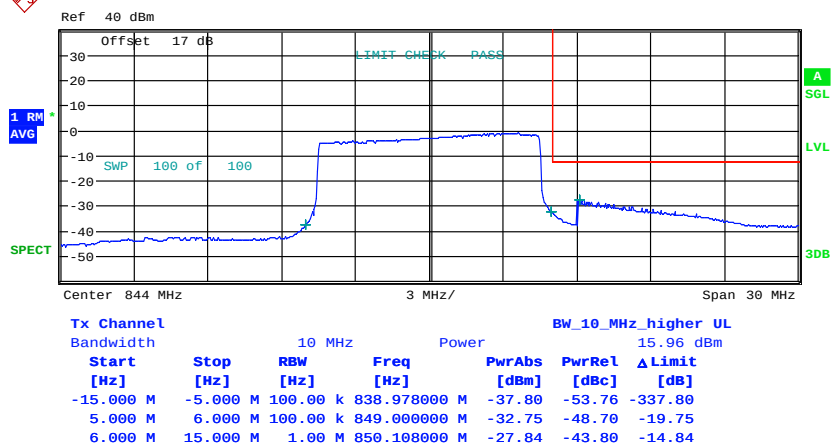
Report Number: W6M21706-17098-P-247

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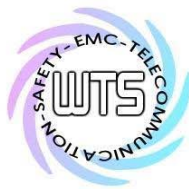
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Date: 11.AUG.2017 16:28:27



Bandedge Band5 16QAM FRB 10MHz CH20600

Date: 11.AUG.2017 16:48:44

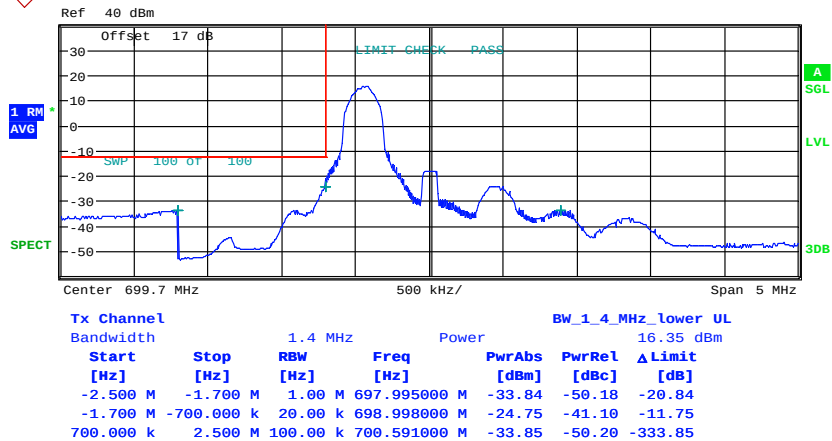


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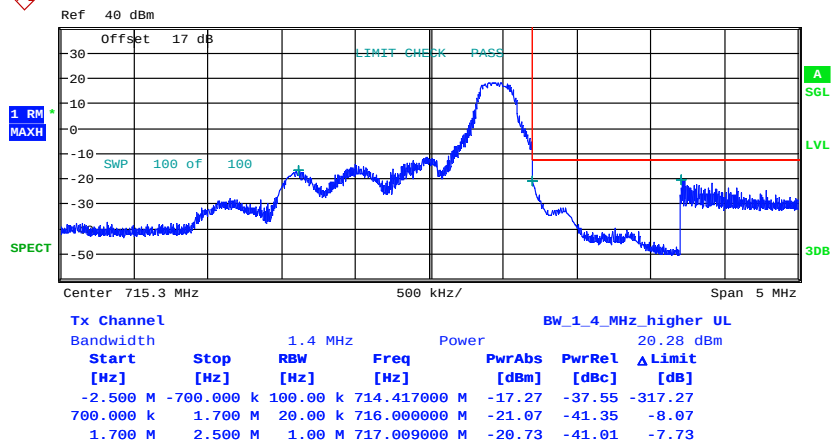
Band 12

1.4 MHz QPSK



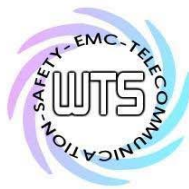
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Date: 10.AUG.2017 17:14:53



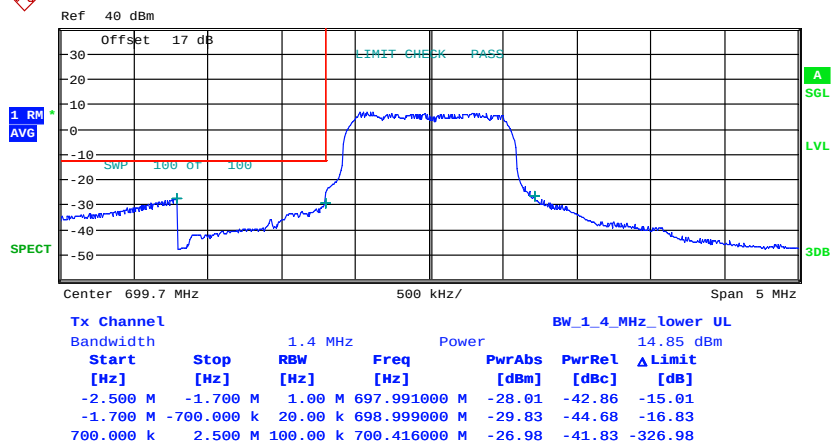
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Date: 10.AUG.2017 18:52:18



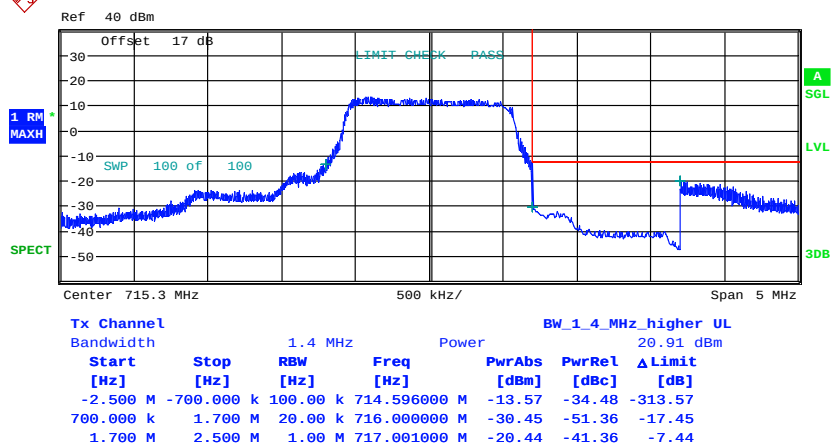
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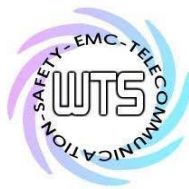
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Date: 10.AUG.2017 17:16:33



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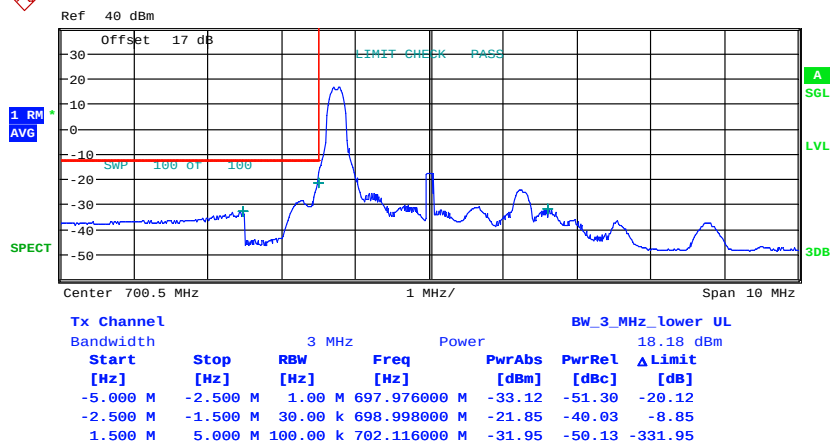
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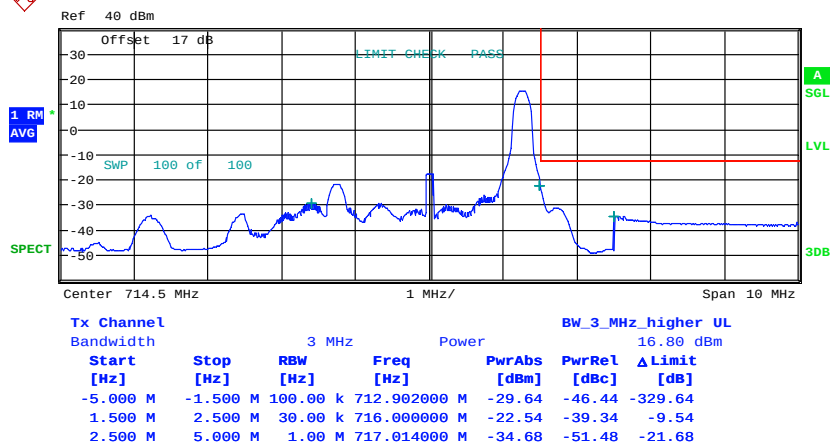
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3 MHz QPSK



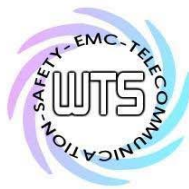
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Date: 11.AUG.2017 11:27:16



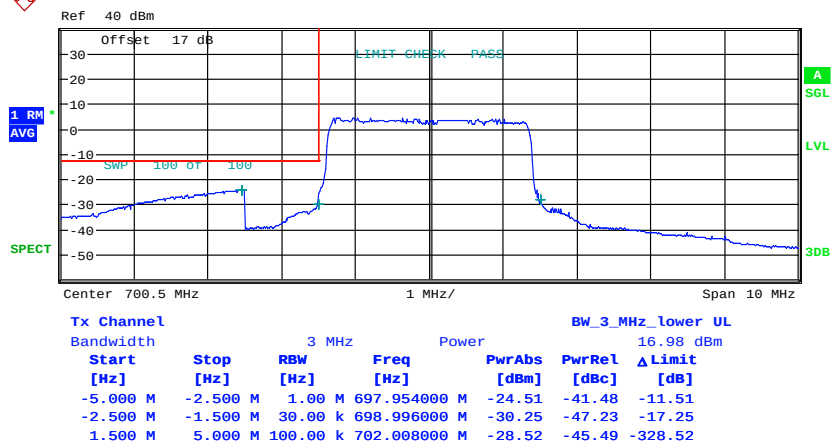
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Date: 11.AUG.2017 13:21:11



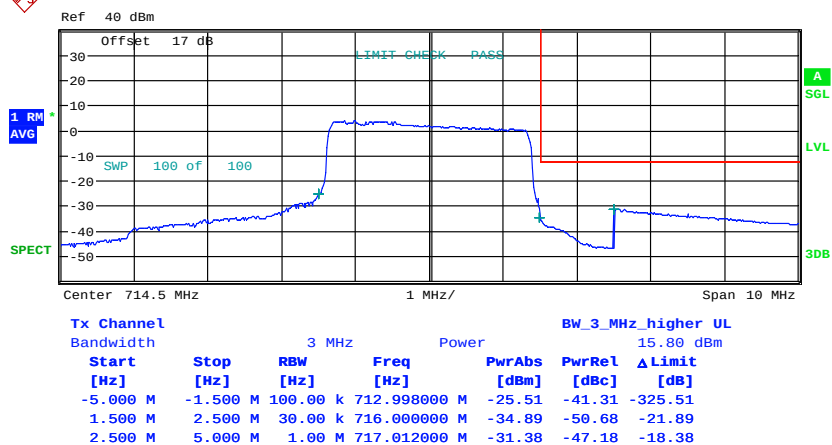
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



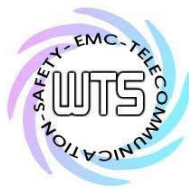
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Date: 11.AUG.2017 11:26:03



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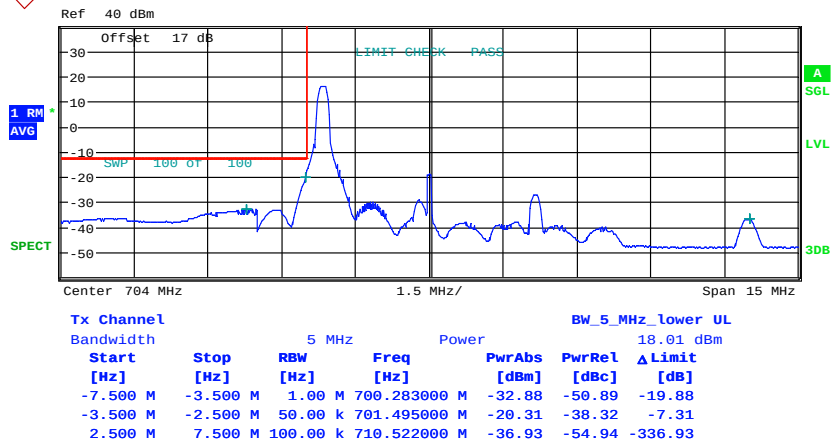
Date: 11.AUG.2017 13:19:51



Report Number: W6M21706-17098-P-247

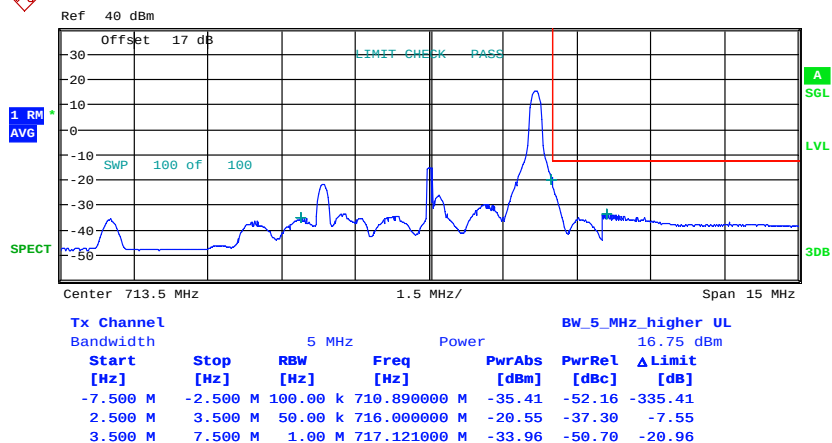
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5 MHz QPSK



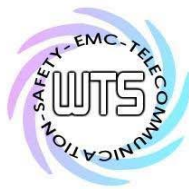
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Date: 11.AUG.2017 14:18:29



Bandedge Band12 QPSK 1RB 5MHz CH23155

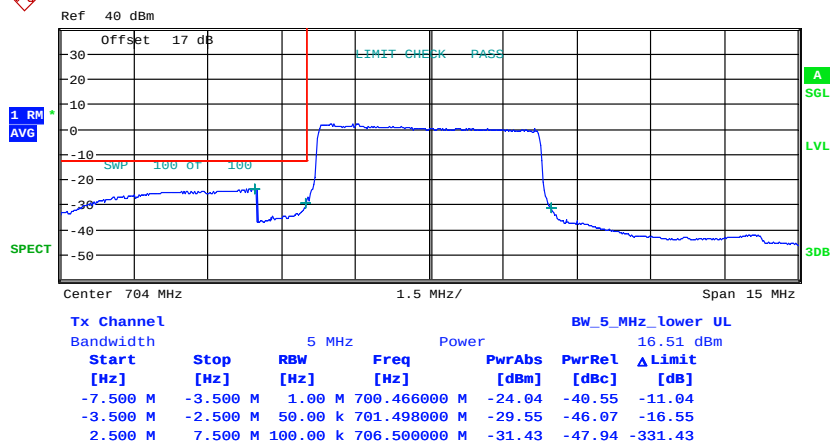
Date: 11.AUG.2017 16:05:02



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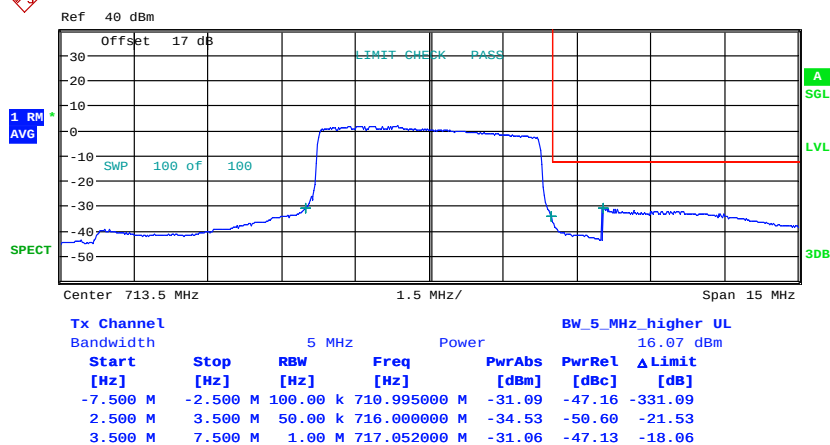
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



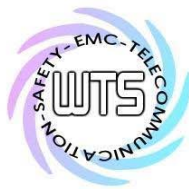
Bandedge Band12 QPSK FRB 5MHz CH23060

Date: 11.AUG.2017 14:17:08



Bandedge Band12 QPSK FRB 5MHz CH23155

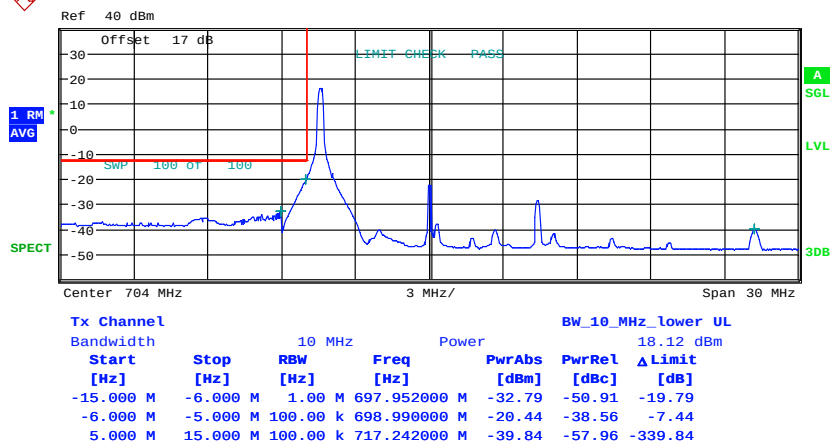
Date: 11.AUG.2017 16:06:10



Report Number: W6M21706-17098-P-247

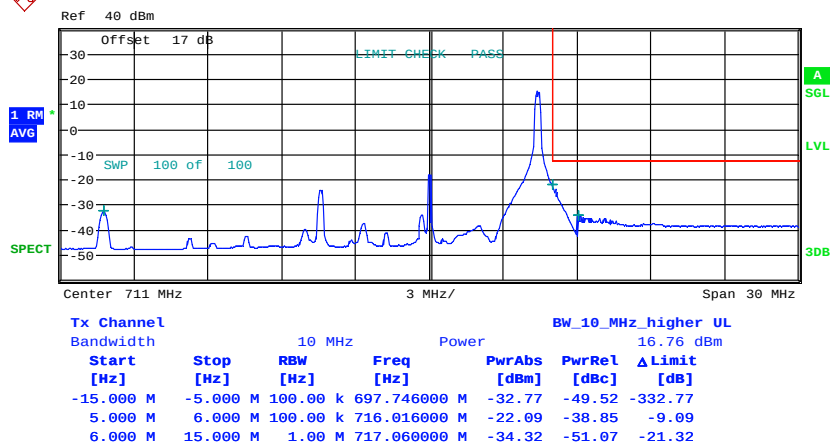
FCC ID: GX9HSGW

10 MHz QPSK



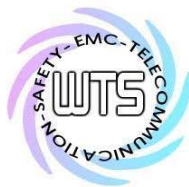
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Date: 11.AUG.2017 16:34:44



Bandedge Band12 QPSK 1RB 10MHz CH23130

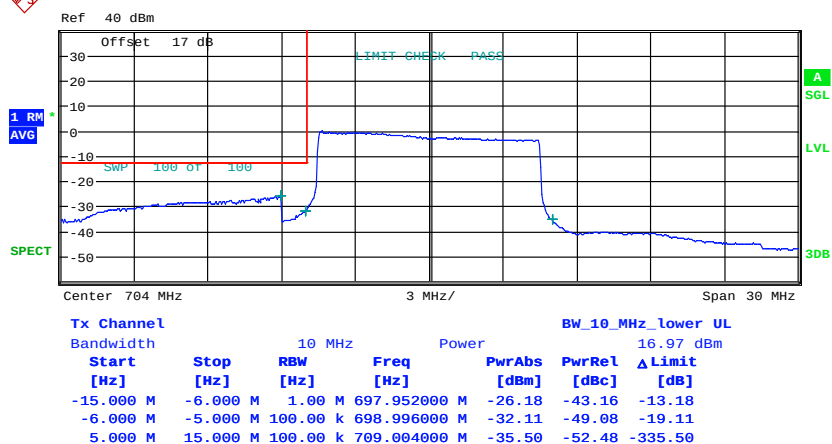
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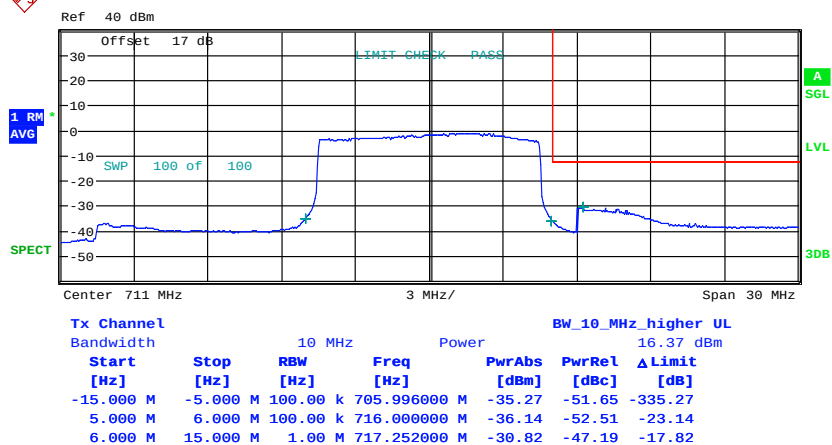
Report Number: W6M21706-17098-P-247

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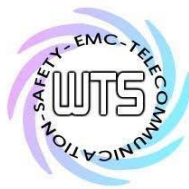
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Date: 11.AUG.2017 16:36:20



Bandedge Band12 QPSK FRB 10MHz CH23130

Date: 11.AUG.2017 16:39:43

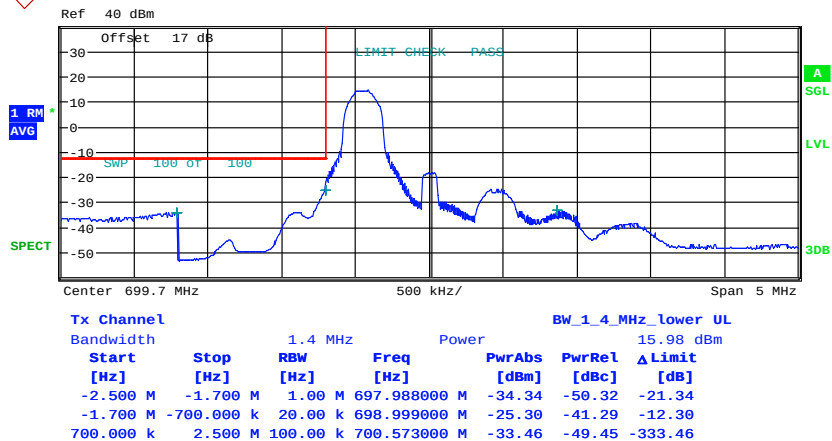


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Report Number: W6M21706-17098-P-247

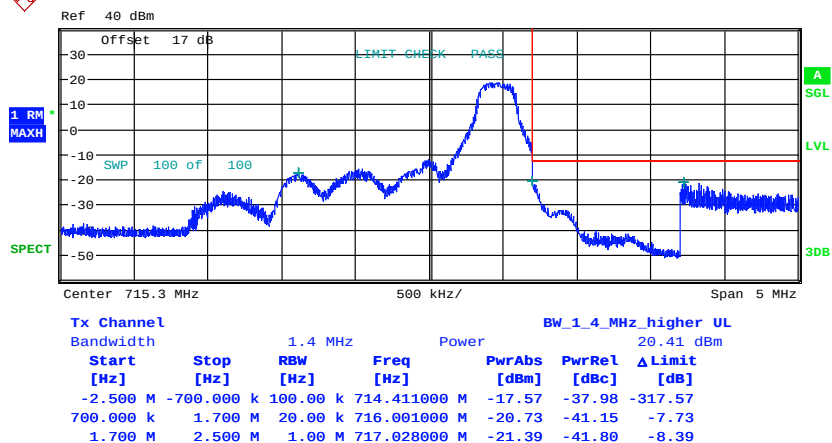
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1.4 MHz 16QAM



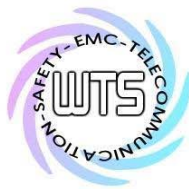
Bandedge Band2 16QAM 1RB 1.4MHz CH23017

Date: 10.AUG.2017 17:13:02



Bandedge Band12 16QAM 1RB 1.4MHz CH23173

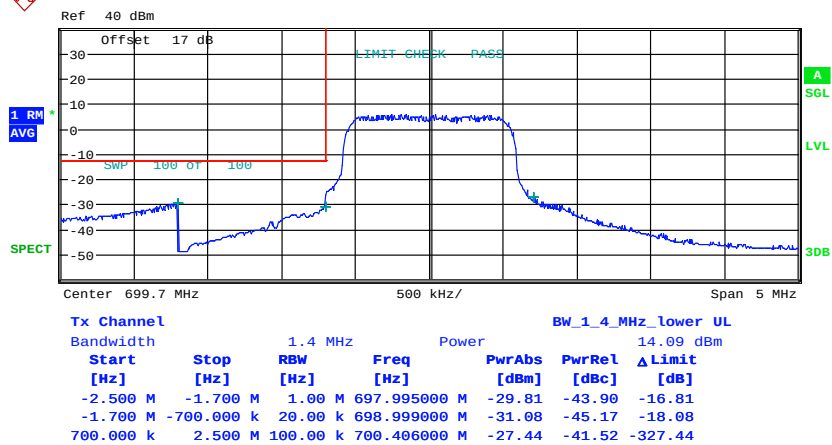
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Worldwide Testing Services(Taiwan) Co., Ltd.

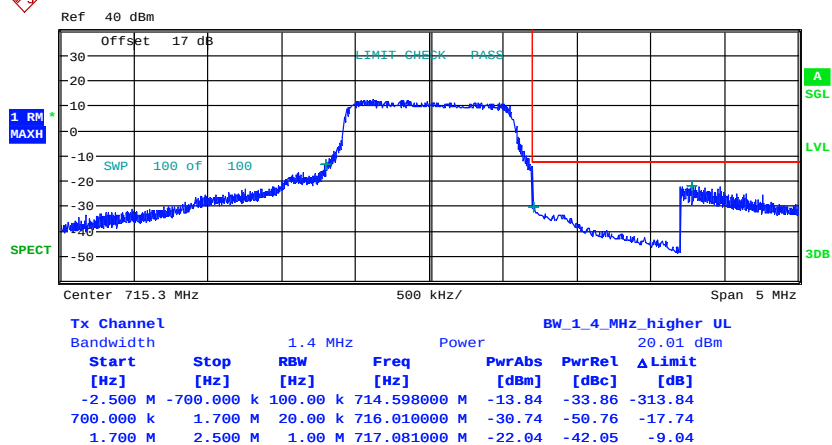
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



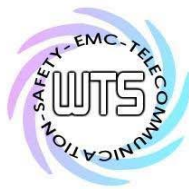
Bandedge Band2 16QAM FRB 1.4MHz CH23017

Date: 10.AUG.2017 17:11:23



Bandedge Band12 16QAM FRB 1.4MHz CH23173

Date: 10.AUG.2017 18:48:50

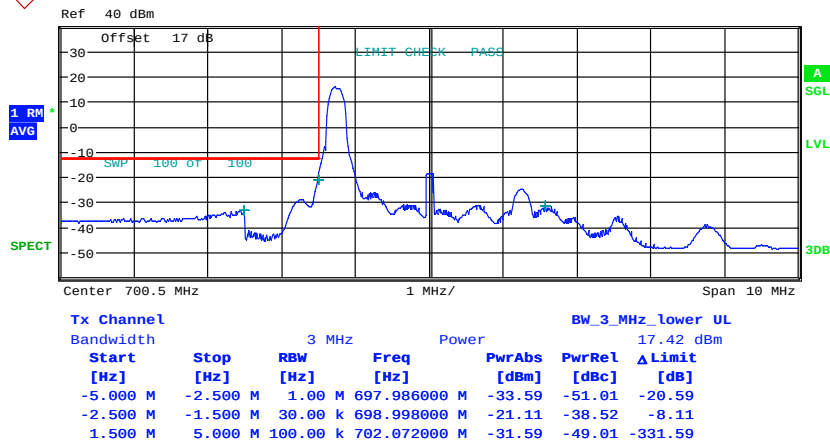


Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6M21706-17098-P-247

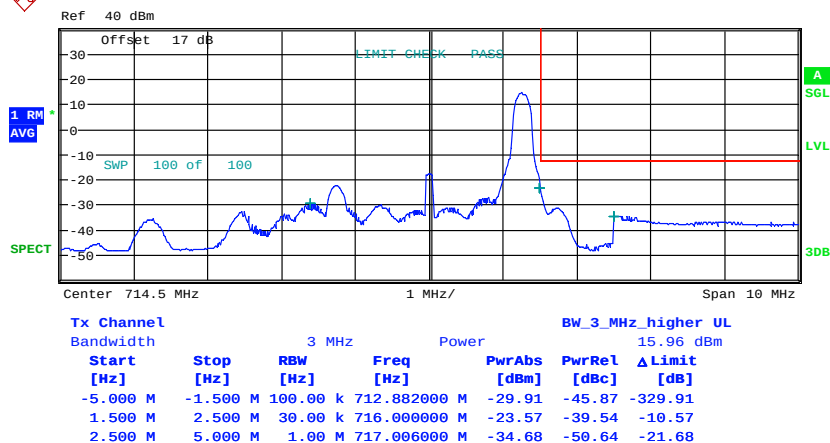
FCC ID: GX9HSGW

3 MHz 16QAM



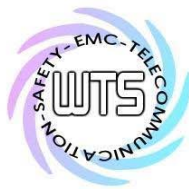
Bandedge Band12 16QAM 1RB 3MHz CH23025

Date: 11.AUG.2017 11:22:48



Bandedge Band12 16QAM 1RB 3MHz CH23165

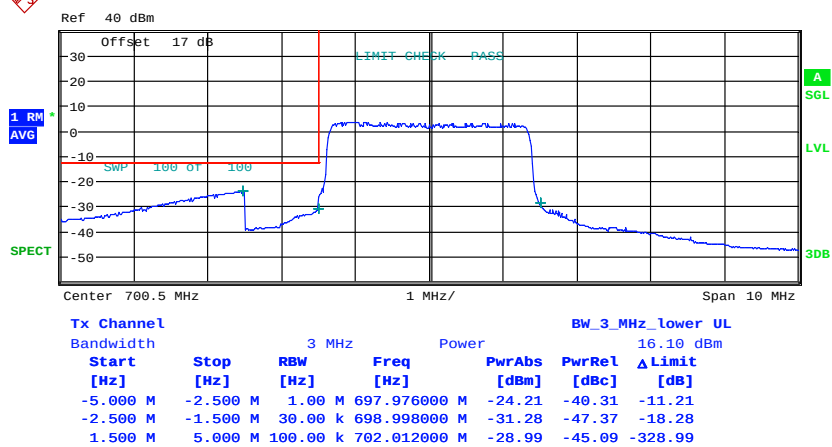
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Worldwide Testing Services(Taiwan) Co., Ltd.

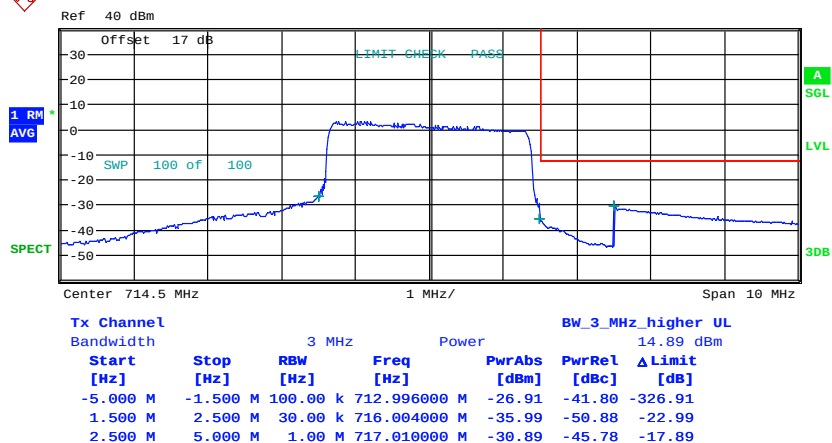
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



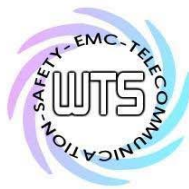
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Date: 11.AUG.2017 11:24:16



Bandedge Band12 16QAM FRB 3MHz CH23165

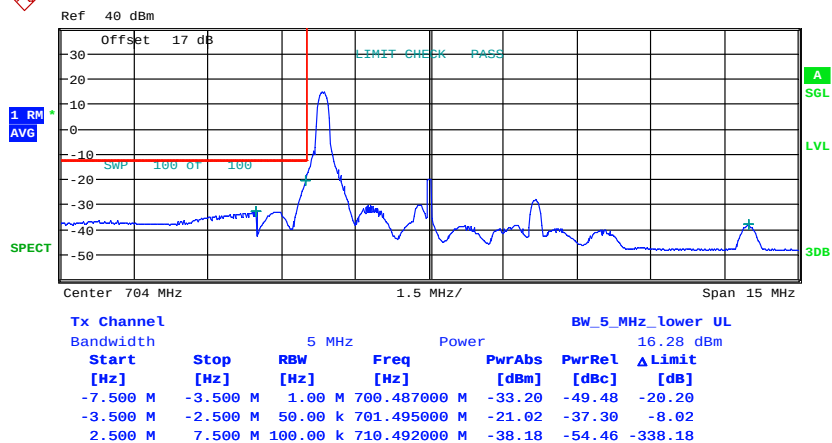
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Report Number: W6M21706-17098-P-247

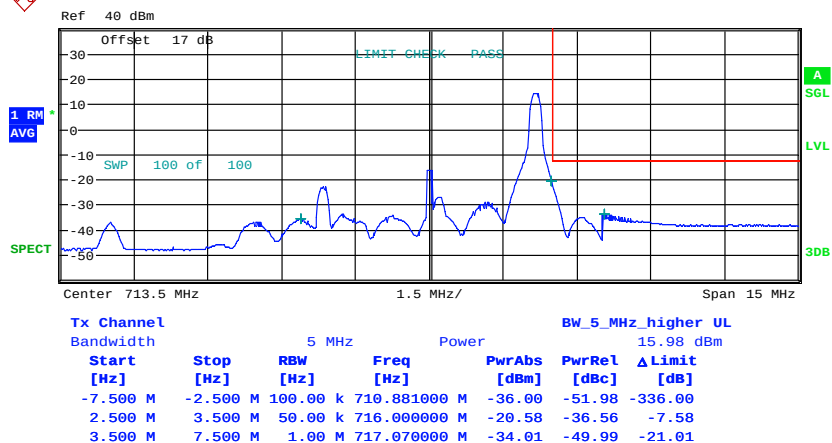
FCC ID: GX9HSGW

5 MHz 16QAM



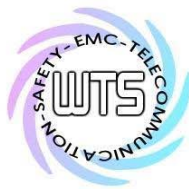
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Date: 11.AUG.2017 14:19:43



Bandedge Band12 16QAM 1RB 5MHz CH23155

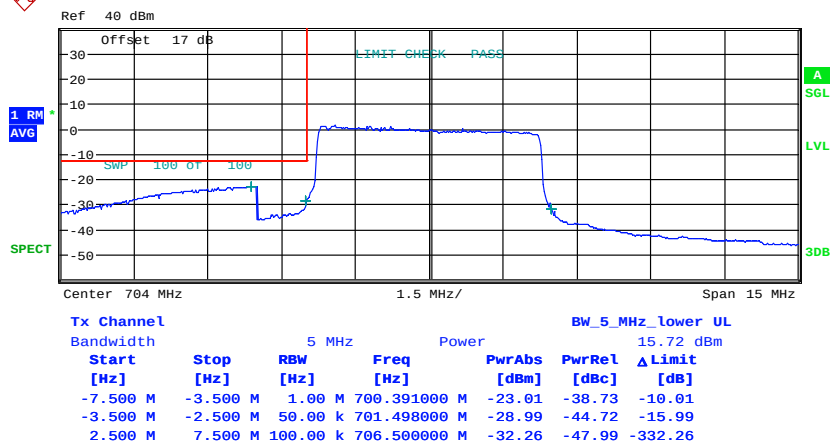
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Worldwide Testing Services(Taiwan) Co., Ltd.

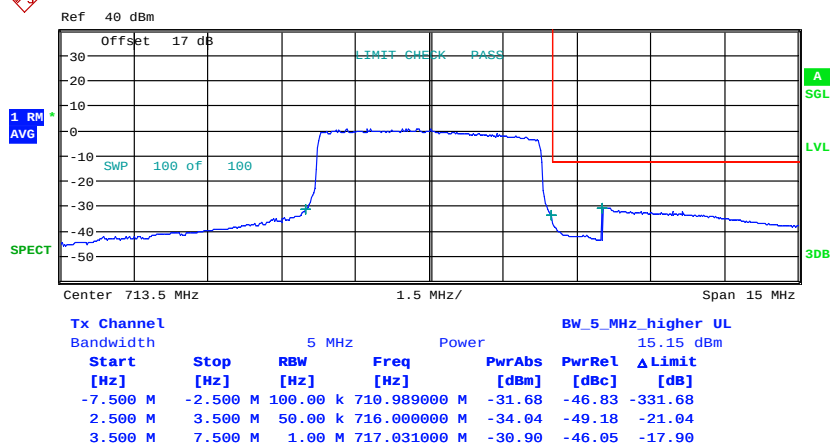
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



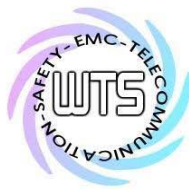
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Date: 11.AUG.2017 14:20:55



Bandedge Band12 16QAM FRB 5MHz CH23155

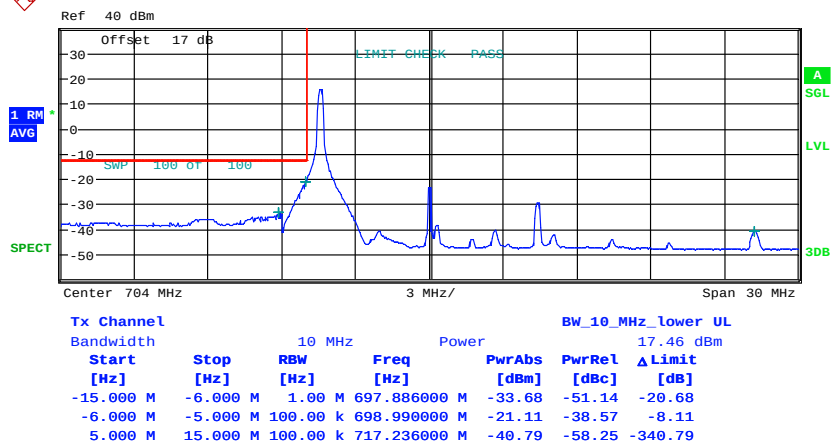
Date: 11.AUG.2017 16:02:38



Report Number: W6M21706-17098-P-247

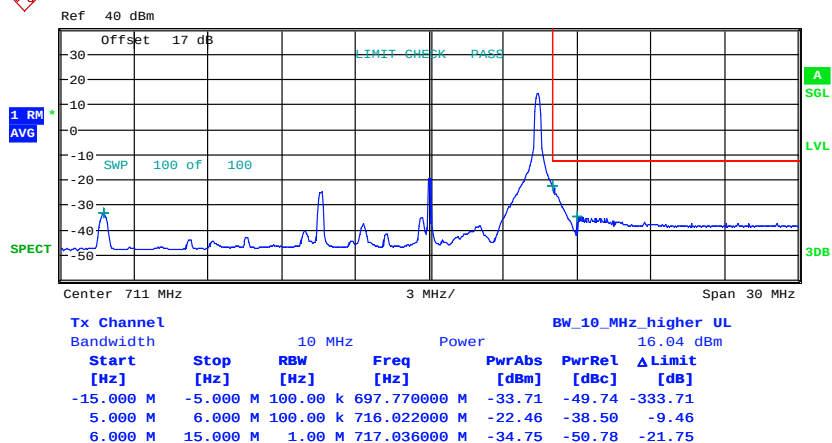
FCC ID: GX9HSGW

10 MHz 16QAM



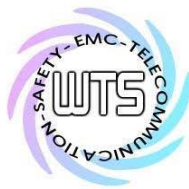
Bandedge Band12 16QAM 1RB 10MHz CH23060

Date: 11.AUG.2017 16:33:15



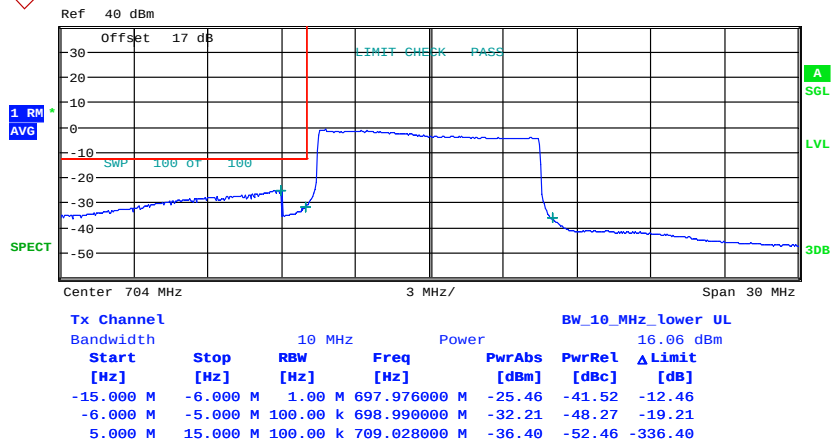
Bandedge Band12 16QAM 1RB 10MHz CH23130

Date: 11.AUG.2017 16:45:04



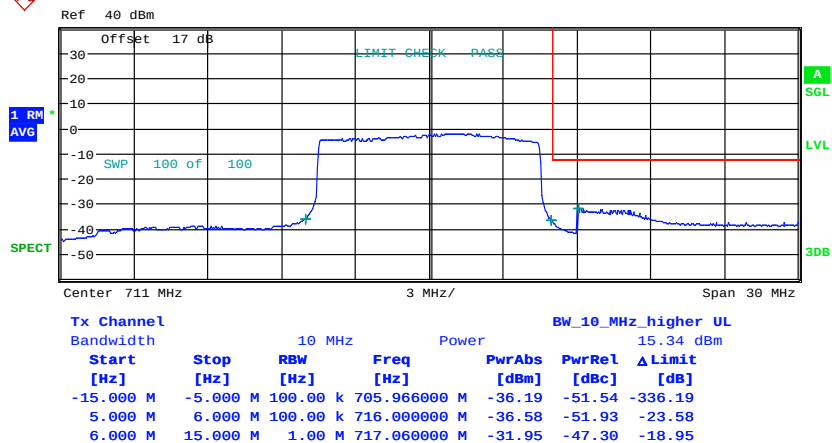
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW



Bandedge Band12 16QAM FRB 10MHz CH23060

Date: 11.AUG.2017 16:31:57



Bandedge Band12 16QAM FRB 10MHz CH23130

Date: 11.AUG.2017 16:46:33

Test equipment: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-GSM 002, ETSTW-GSM 003

Report Number: W6M21706-17098-P-247

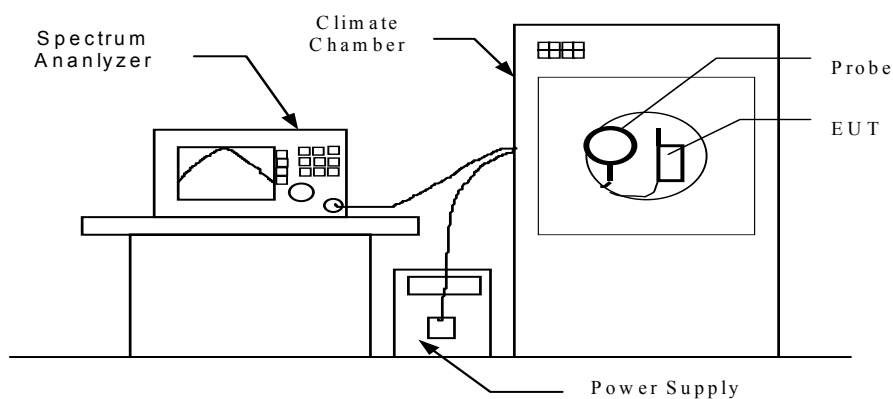
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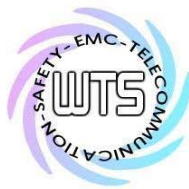
9. Frequency Stability

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintain within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

9.1 Test procedure

- ☒ The equipment under test was supplied with rated power supply and the RF output was connected to a frequency counter via feed through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable, exited the chamber through an opening made for that purpose.
After the temperature stabilized the frequency output was recorded from the counter.
- ☐ An external variable power supply was used to supply nominal voltage and 85% to 115% of nominal voltage to the EUT under room temperature. Record the frequencies measured from the counter.
- ☒ End point voltage: For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer. Then record the frequencies measured from the counter.





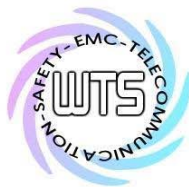
Report Number: W6M21706-17098-P-247

FCC ID: GX9HSGW

9.2 Test Results

9.2.1 Frequency Stability vs. Temperature

WCDMA Band 2					WCDMA Band 4					WCDMA Band 5				
CH9262	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH1312	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH4132	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Vac	-30	18.00	0.010	±2.5	120Vac	-30	22.00	0.013	±2.5	120Vac	-30	16.00	0.019	±2.5
	-20	13.00	0.007			-20	31.00	0.018			-20	17.00	0.021	
	-10	40.00	0.022			-10	12.00	0.007			-10	13.00	0.016	
	0	-23.00	-0.012			0	16.00	0.009			0	15.00	0.018	
	10	-24.00	-0.013			10	14.00	0.008			10	23.00	0.028	
	20	28.00	0.015			20	18.00	0.011			20	16.00	0.019	
	30	22.00	0.012			30	12.00	0.007			30	19.00	0.023	
	40	33.00	0.018			40	11.00	0.006			40	21.00	0.025	
132Vac	50	24.00	0.013			50	21.00	0.012			50	14.00	0.017	
	132Vac	25	-18.00	-0.010		132Vac	25	19.00	0.011		132Vac	25	12.00	0.015
108Vac	25	20.00	0.011		108Vac	25	11.00	0.006		108Vac	25	12.00	0.015	
CH9400	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH1413	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH4183	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Vac	-30	16.00	0.009	±2.5	120Vac	-30	15.00	0.009	±2.5	120Vac	-30	24.00	0.029	±2.5
	-20	14.00	0.007			-20	16.00	0.009			-20	21.00	0.025	
	-10	13.00	0.007			-10	11.00	0.006			-10	15.00	0.018	
	0	12.00	0.006			0	21.00	0.012			0	18.00	0.022	
	10	-17.00	-0.009			10	19.00	0.011			10	11.00	0.013	
	20	-13.00	-0.007			20	12.00	0.007			20	-14.00	-0.017	
	30	13.00	0.007			30	11.00	0.006			30	11.00	0.013	
	40	-17.00	-0.009			40	23.00	0.013			40	20.00	0.024	
132Vac	50	15.00	0.008			50	21.00	0.012			50	16.00	0.019	
	132Vac	25	19.00	0.010		132Vac	25	14.00	0.008		132Vac	25	14.00	0.017
108Vac	25	20.00	0.011		108Vac	25	17.00	0.010		108Vac	25	21.00	0.025	
CH9538	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH1513	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH4233	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Vac	-30	11.00	0.006	±2.5	120Vac	-30	-22.00	-0.013	±2.5	120Vac	-30	10.00	0.012	±2.5
	-20	15.00	0.008			-20	14.00	0.008			-20	14.00	0.017	
	-10	16.00	0.008			-10	18.00	0.010			-10	18.00	0.021	
	0	13.00	0.007			0	13.00	0.007			0	16.00	0.019	
	10	19.00	0.010			10	15.00	0.009			10	18.00	0.021	
	20	12.00	0.006			20	11.00	0.006			20	-16.00	-0.019	
	30	15.00	0.008			30	16.00	0.009			30	-14.00	-0.017	
	40	22.00	0.012			40	21.00	0.012			40	-13.00	-0.015	
132Vac	50	11.00	0.006			50	14.00	0.008			50	12.00	0.014	
	132Vac	25	31.00	0.016		132Vac	25	18.00	0.010		132Vac	25	14.00	0.017
108Vac	25	18.00	0.009		108Vac	25	16.00	0.009		108Vac	25	19.00	0.022	



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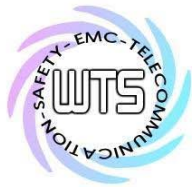
FCC ID: GX9HSGW

LTE Band 2 QPSK 10MHz FRB					LTE Band 4 QPSK 10MHz FRB				
CH18900	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH20175	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Vac	-30	16.00	0.009	±2.5	120Vac	-30	12.00	0.007	±2.5
	-20	18.00	0.010			-20	11.00	0.006	
	-10	-47.00	-0.025			-10	8.00	0.005	
	0	-33.00	-0.018			0	6.00	0.003	
	10	-19.00	-0.010			10	-16.00	-0.009	
	20	-25.00	-0.013			20	-7.00	-0.004	
	30	21.00	0.011			30	14.00	0.008	
	40	17.00	0.009			40	19.00	0.011	
	50	-21.00	-0.011			50	21.00	0.012	
132Vac	25	-16.00	-0.009		132Vac	25	-16.00	-0.009	
108Vac	25	-19.00	-0.010		108Vac	25	-9.00	-0.005	

LTE Band 5 QPSK 10MHz FRB					LTE Band 12 QPSK 10MHz FRB				
CH20525	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH23095	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Vac	-30	12.00	0.014	±2.5	120Vac	-30	14.00	0.020	±2.5
	-20	14.00	0.017			-20	-12.00	-0.017	
	-10	-20.00	-0.024			-10	-18.00	-0.025	
	0	-18.00	-0.022			0	-17.00	-0.024	
	10	-18.00	-0.022			10	-14.00	-0.020	
	20	-48.00	-0.057			20	-19.00	-0.027	
	30	17.00	0.020			30	13.00	0.018	
	40	-17.00	-0.020			40	18.00	0.025	
	50	29.00	0.035			50	-26.00	-0.037	
132Vac	25	-19.00	-0.023		132Vac	25	-22.00	-0.031	
108Vac	25	-18.00	-0.022		108Vac	25	-22.00	-0.031	

Test equipment: ETSTW-CE 009, ETSTW-GSM 004

Note: Measurement uncertainty ± 6.09 Hz; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.



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FCC ID: GX9HSGW

10 Maximum Permissible Exposure

10.1 RF Exposure Compliance Requirements

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

$$S = \frac{PG}{4\pi R^2}$$

S – Power Density

P – Output power ERP

R – Distance

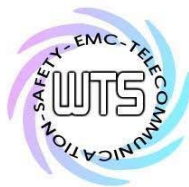
D – Cable Loss

AG – Antenna Gain

WCDMA Band 2			
Item	Unit	Value	Remarks
P	dBm/mW	22.69/185.7804	Peak value
D	dB		
AG	dB	2.96	
G		1.9770	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.0731	Calculated value

WCDMA Band 4			
Item	Unit	Value	Remarks
P	dBm/mW	23.10/204.1738	Peak value
D	dB		
AG	dB	4.85	
G		3.0549	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.1241	Calculated value

WCDMA Band 5			
Item	Unit	Value	Remarks
P	dBm/mW	20.16/103.7528	Peak value
D	dB		
AG	dB	0.92	
G		1.2359	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.0255	Calculated value



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LTE Band 2			
Item	Unit	Value	Remarks
P	dBm/mW	22.59/181.5516	Peak value
D	dB		
AG	dB	2.96	
G		1.9770	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.0714	Calculated value

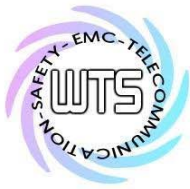
LTE Band 4			
Item	Unit	Value	Remarks
P	dBm/mW	22.00/158.4893	Peak value
D	dB		
AG	dB	4.85	
G		3.0549	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.0963	Calculated value

LTE Band 5			
Item	Unit	Value	Remarks
P	dBm/mW	20.98/125.3141	Peak value
D	dB		
AG	dB	0.92	
G		1.2360	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.0308	Calculated value

LTE Band 12			
Item	Unit	Value	Remarks
P	dBm/mW	20.99/125.6030	Peak value
D	dB		
AG	dB	-0.1	
G		0.9772	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.0244	Calculated value

Limits:

Limit for General Population / Uncontrolled Exposure	
Frequency (MHz)	Power Density (mW/cm ²)
1500 – 100.000	1.0

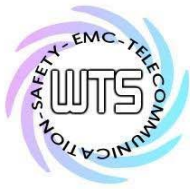


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FCC ID: GX9HSGW

Appendix

Measurement diagrams

1. RF Power Output
2. Filed Strength of Spurious Emission



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FCC ID: GX9HSGW

Appendix

RF Power Output



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Kent

File : ch9262

Data : #2

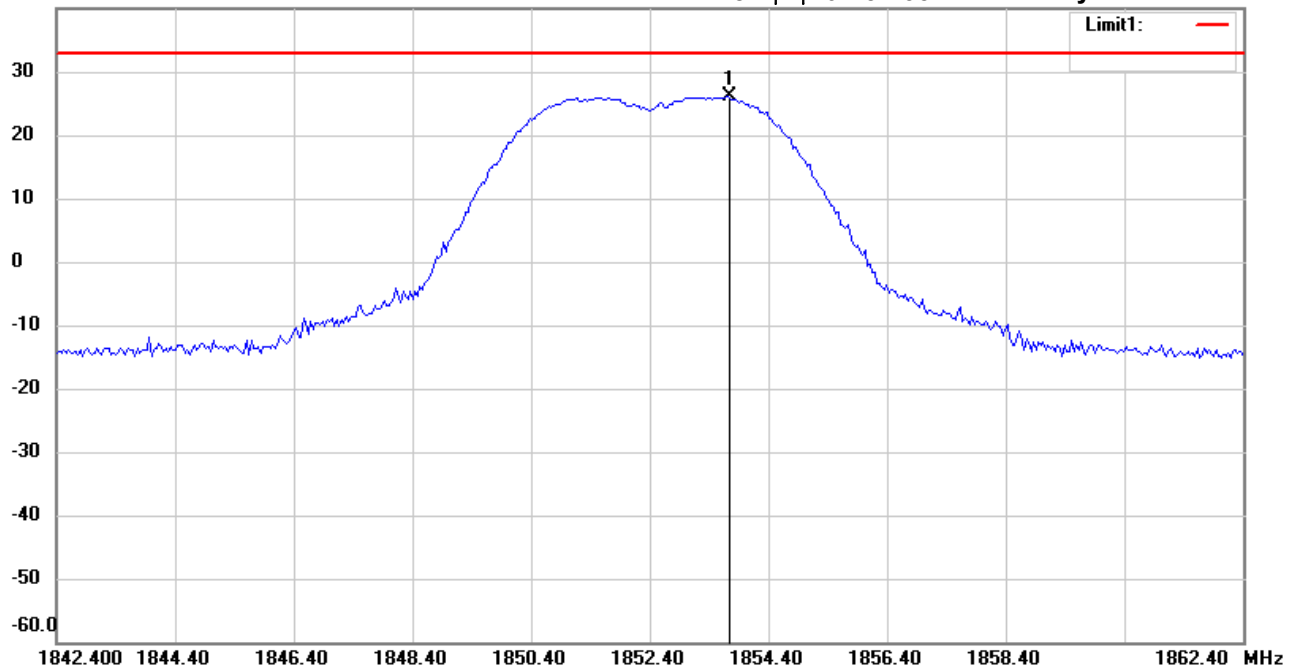
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 04:54:35

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

M/N:

Test Mode : WCDMA BAND2 CH9262

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
*	1853.703	-18.10	peak	44.16	26.06	33.00	150	90	-6.94	

*:Maximum data x:Over limit !:over margin



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Kent

File : ch9262

Data : #1

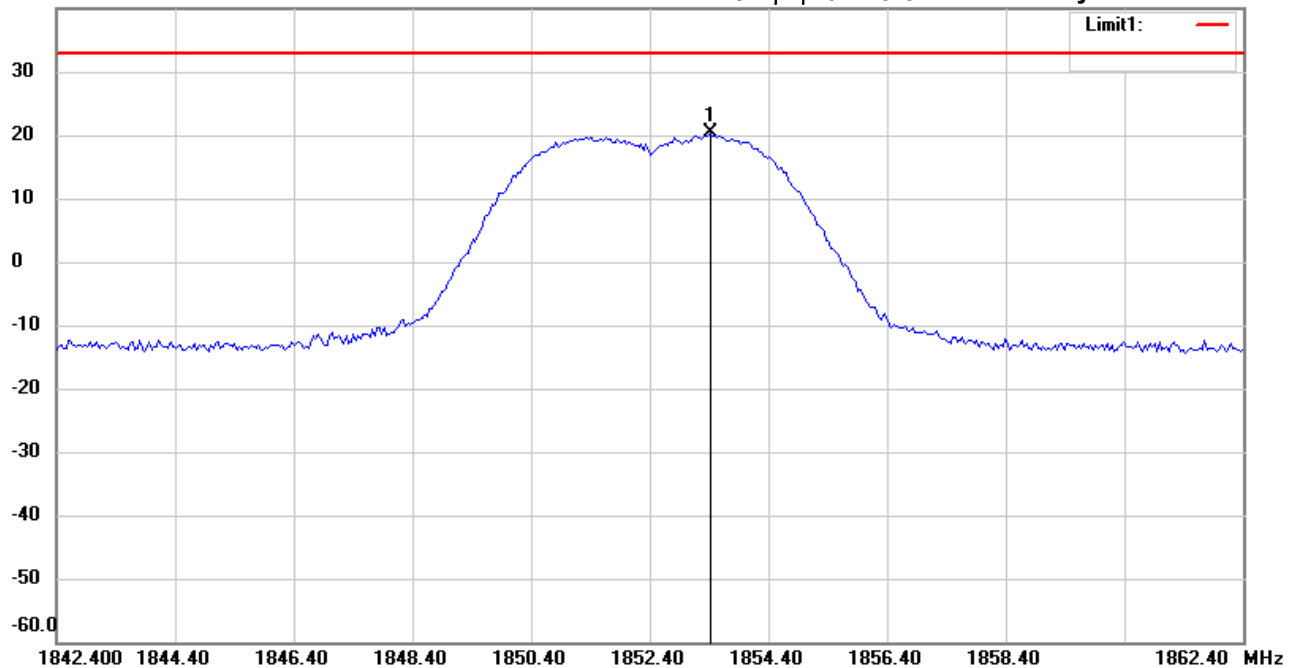
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 04:45:51

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

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
*	1853.422	-25.08	peak	45.40	20.32	33.00	150	60	-12.68	

*:Maximum data x:Over limit !:over margin



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Kent

File : ch9400

Data : #2

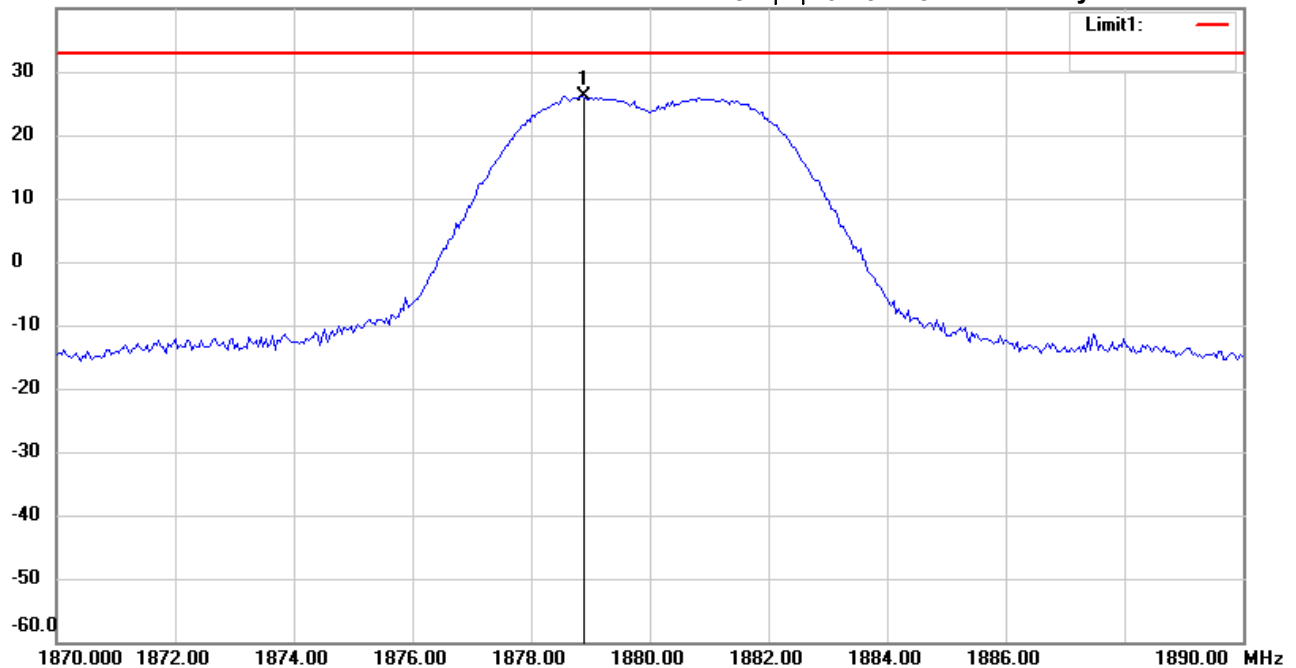
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 04:52:48

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

M/N:

Test Mode : WCDMA BAND2 CH9400

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
*	1878.858	-18.03	peak	44.17	26.14	33.00	150	90	-6.86	

*:Maximum data x:Over limit !:over margin



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Kent

File : ch9400

Data : #1

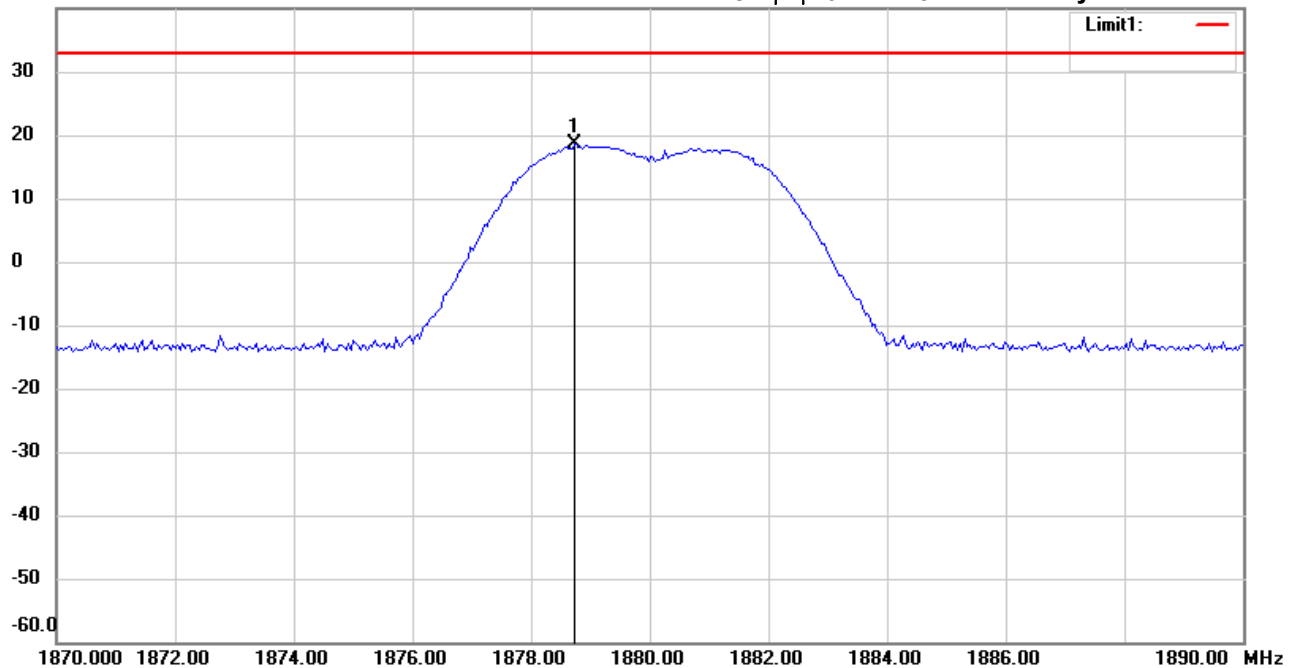
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 04:47:23

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

M/N:

Test Mode : WCDMA BAND2 CH9400

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
*	1878.737	-26.76	peak	45.49	18.73	33.00	150	60	-14.27	

*:Maximum data x:Over limit !:over margin



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Kent

File : ch9538

Data : #2

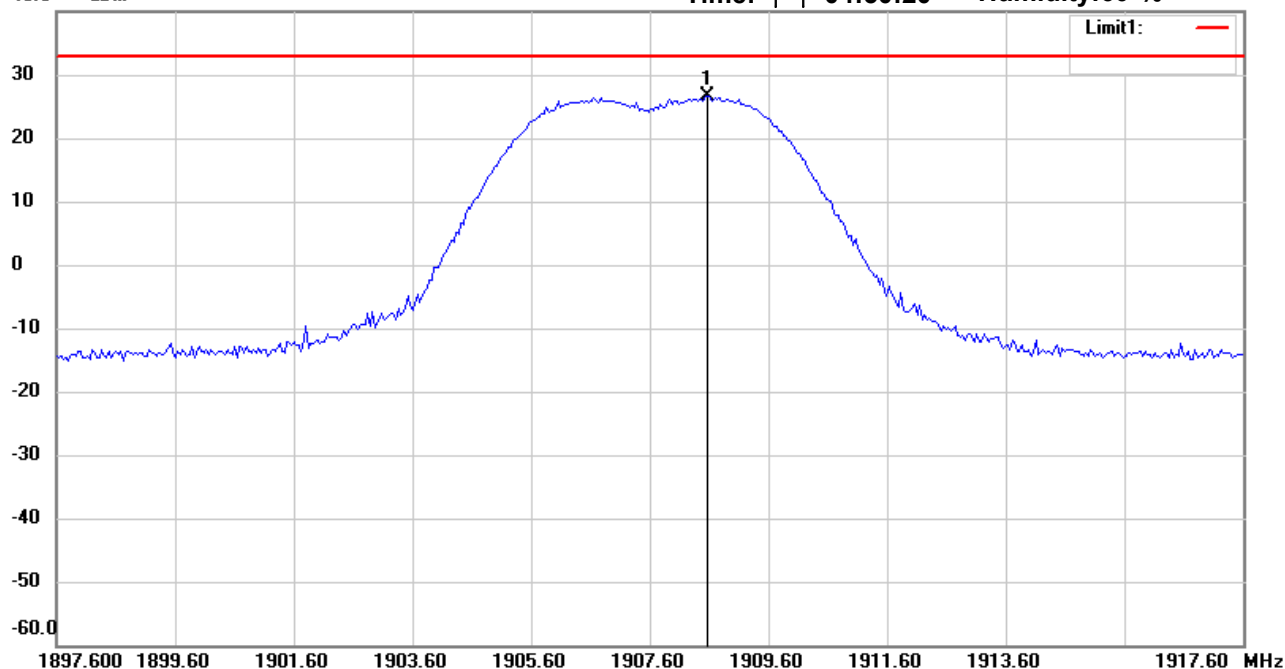
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 04:50:20

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

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
*	1908.582	-17.70	peak	44.37	26.67	33.00	150	90	-6.33	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Kent

File : ch9538

Data : #1

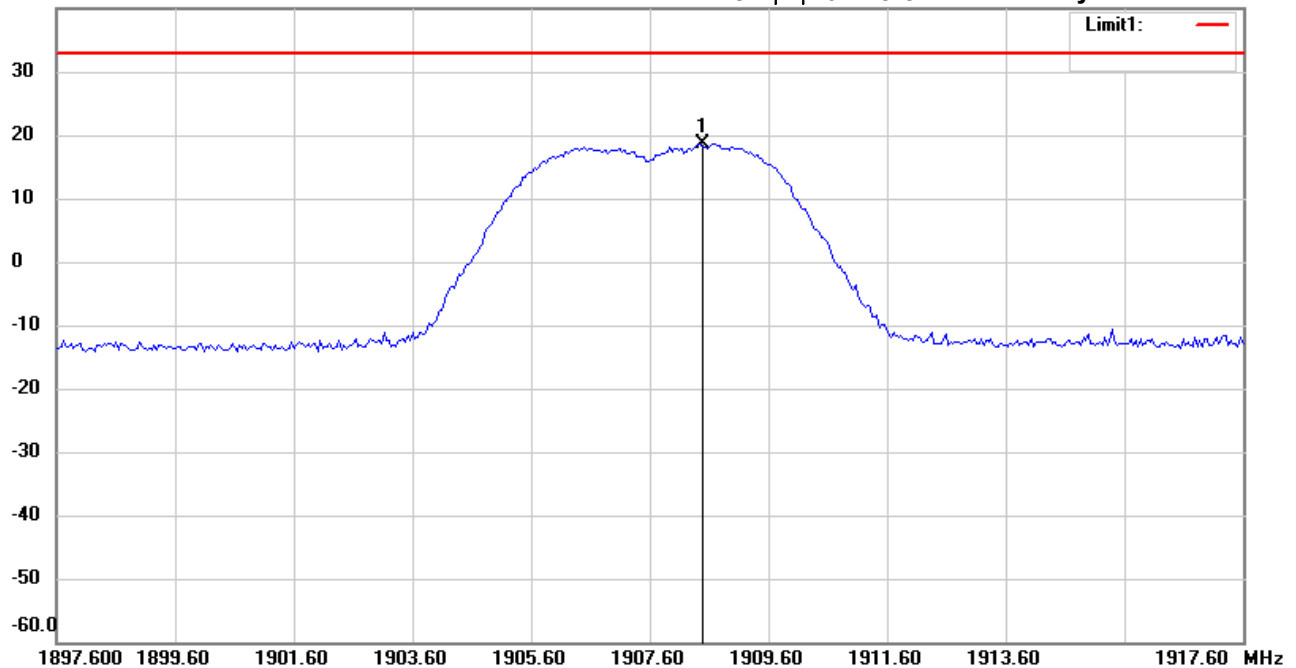
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 04:48:52

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

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
*	1908.462	-27.06	peak	45.81	18.75	33.00	150	60	-14.25	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Kent

File : ch1312

Data : #1

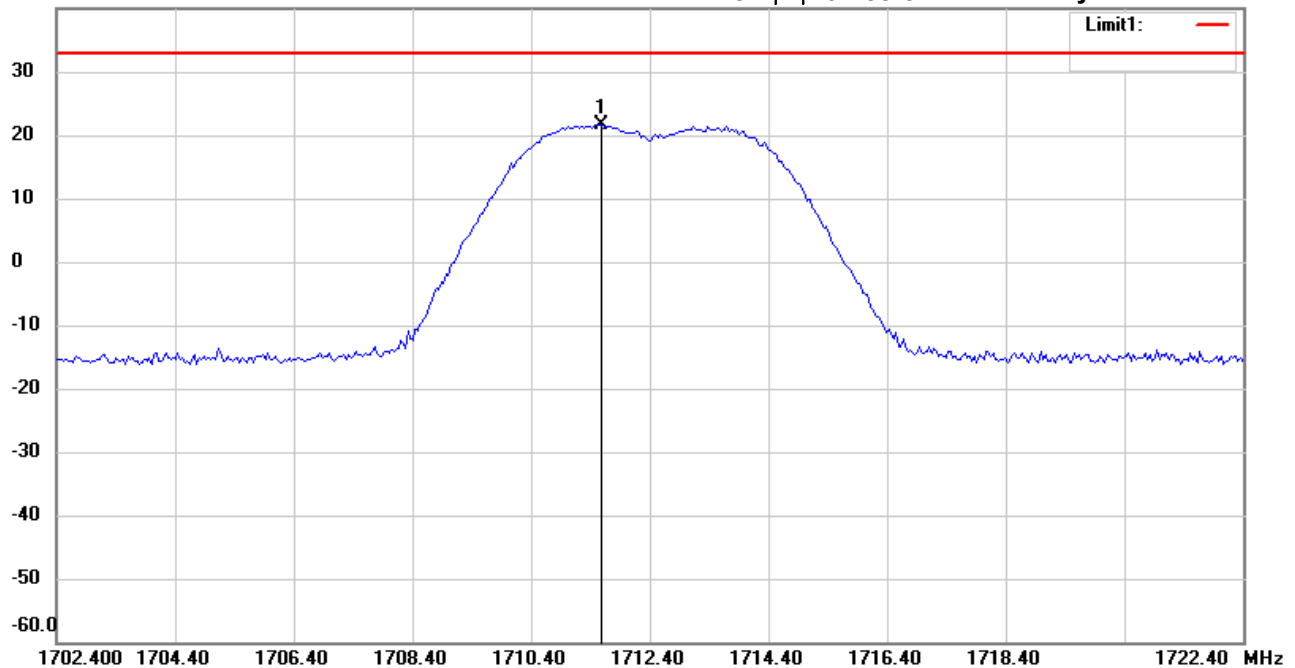
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 04:58:52

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

M/N:

Test Mode : WCDMA BAND4 CH1312

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
*	1711.578	-21.78	peak	43.49	21.71	33.00	150	90	-11.29	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Kent

File : ch1312

Data : #2

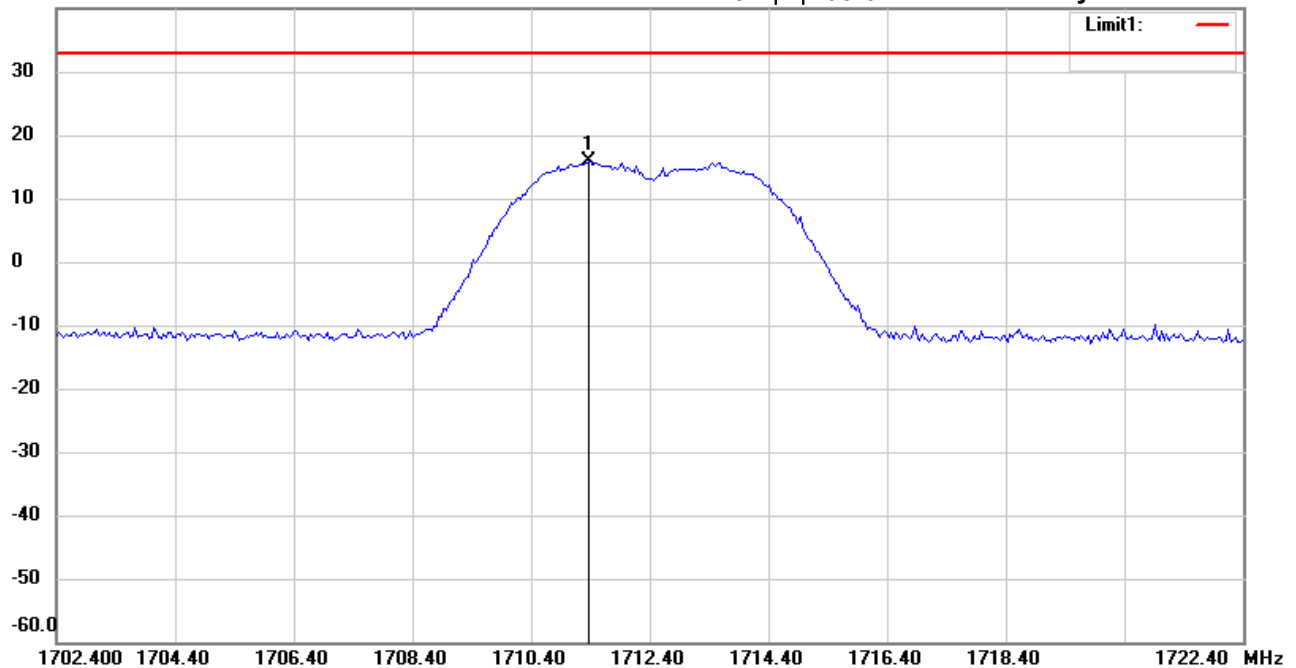
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 05:07:44

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

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
*	1711.378	-31.36	peak	47.20	15.84	33.00	150	60	-17.16	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Kent

File : ch1413

Data : #1

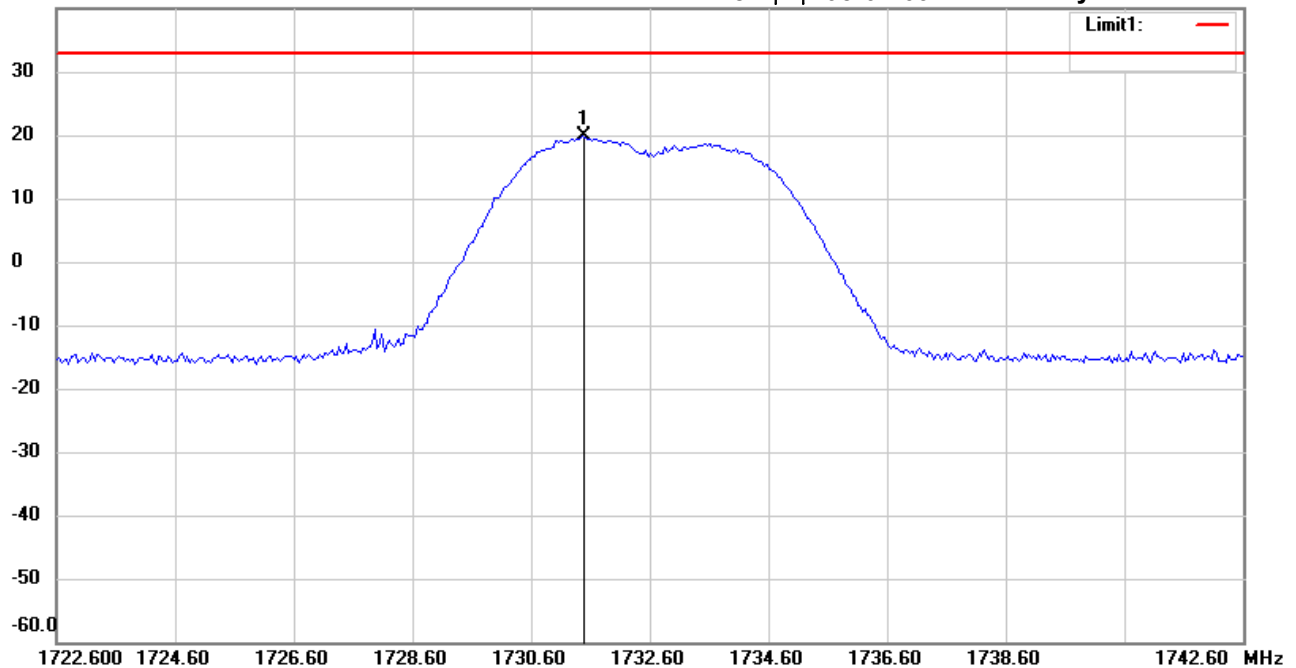
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 05:02:09

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

M/N:

Test Mode : WCDMA BAND4 CH1413

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
*	1731.458	-23.80	peak	43.64	19.84	33.00	150	90	-13.16	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Kent

File : ch1413

Data : #2

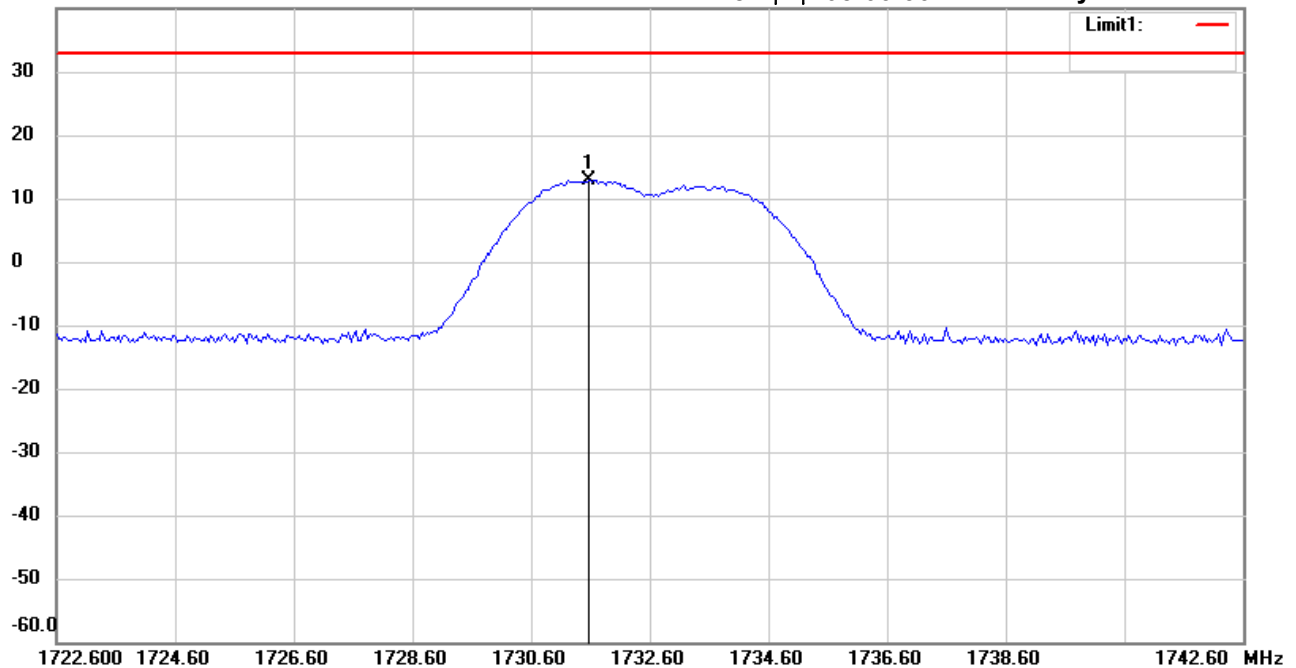
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 05:06:36

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

M/N:

Test Mode : WCDMA BAND4 CH1413

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
*	1731.578	-33.79	peak	46.74	12.95	33.00	150	60	-20.05	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Kent

File : ch1513

Data : #1

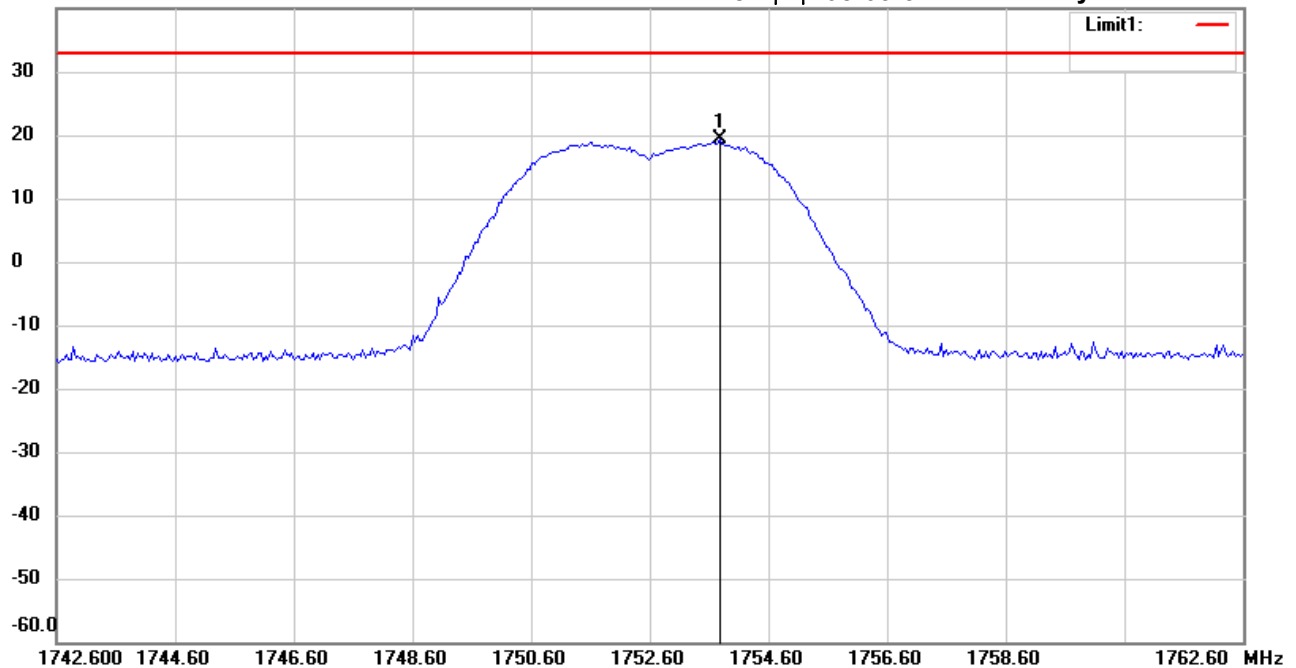
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 05:03:37

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

M/N:

Test Mode : WCDMA BAND4 CH1513

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
*	1753.782	-24.48	peak	43.80	19.32	33.00	150	90	-13.68	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Kent

File : ch1513

Data : #2

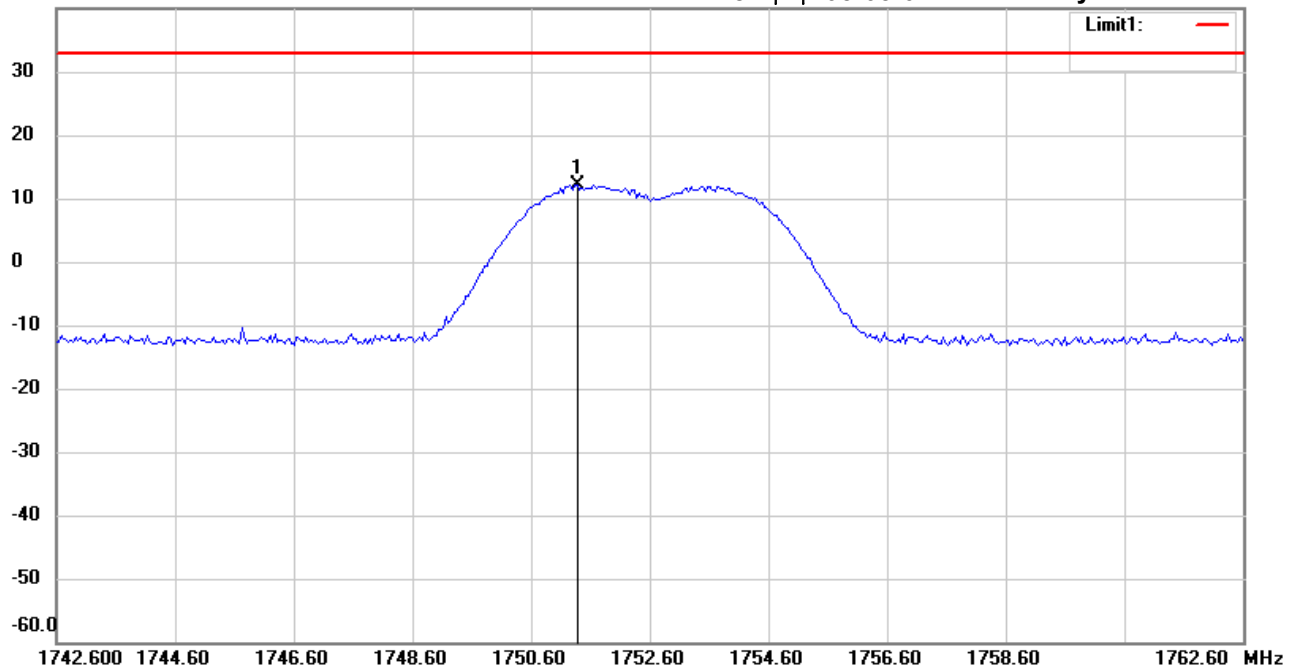
Date: 2017/8/1

Temperature: 24 °C

40.0 dBm

Time: 下午 05:05:07

Humidity: 60 %



Site : Chamber

Condition : FCC_part 24 POWER

EUT : W6M21706-17098

M/N:

Test Mode : WCDMA BAND4 CH1513

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
*	1751.338	-34.15	peak	46.30	12.15	33.00	150	60	-20.85	

*:Maximum data x:Over limit !:over margin