BW20MHz-738MHz,QPSK-100RB_LOW@OBW_18.16MHz@26dB_20.16MHz

RBW 500 kHz   Delta 3 [T1]
VBW 2 MHz   -1.30 dB
SWT 2.5 ms   20.160000000 MHz

Ref 30 dBm   *Att 30 dB

OBW 18.160000000 MHz
Marker 1 [T1]
                  -17.18 dBm
727.920000000 MHz
Marker 2 [T1]
                  11.04 dBm
737.920000000 MHz
Temp 1 [T1 OBW]
                  4.59 dBm
728.880000000 MHz
Temp 2 [T1 OBW]
                  4.50 dBm
747.040000000 MHz

D1 -14.957 dBm

Center 738 MHz   4 MHz/   Span 40 MHz

Date: 16.JUN.2016 15:23:54

BW20MHz-738MHz,Q16-100RB_LOW@OBW_18.08MHz@26dB_20.08MHz

RBW 500 kHz   Delta 3 [T1]
VBW 2 MHz   -3.56 dB
SWT 2.5 ms   20.080000000 MHz

Ref 30 dBm   *Att 30 dB

OBW 18.080000000 MHz
Marker 1 [T1]
                  -17.13 dBm
728.000000000 MHz
Marker 2 [T1]
                  10.56 dBm
737.920000000 MHz
Temp 1 [T1 OBW]
                  4.93 dBm
728.960000000 MHz
Temp 2 [T1 OBW]
                  3.41 dBm
747.040000000 MHz

D1 -15.437 dBm

Center 738 MHz   4 MHz/   Span 40 MHz

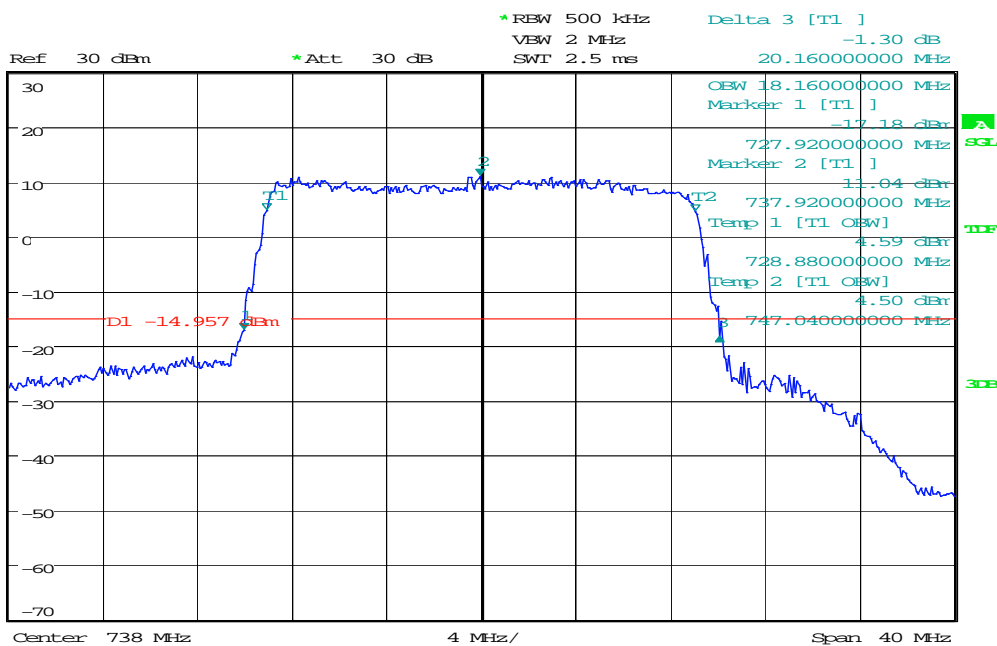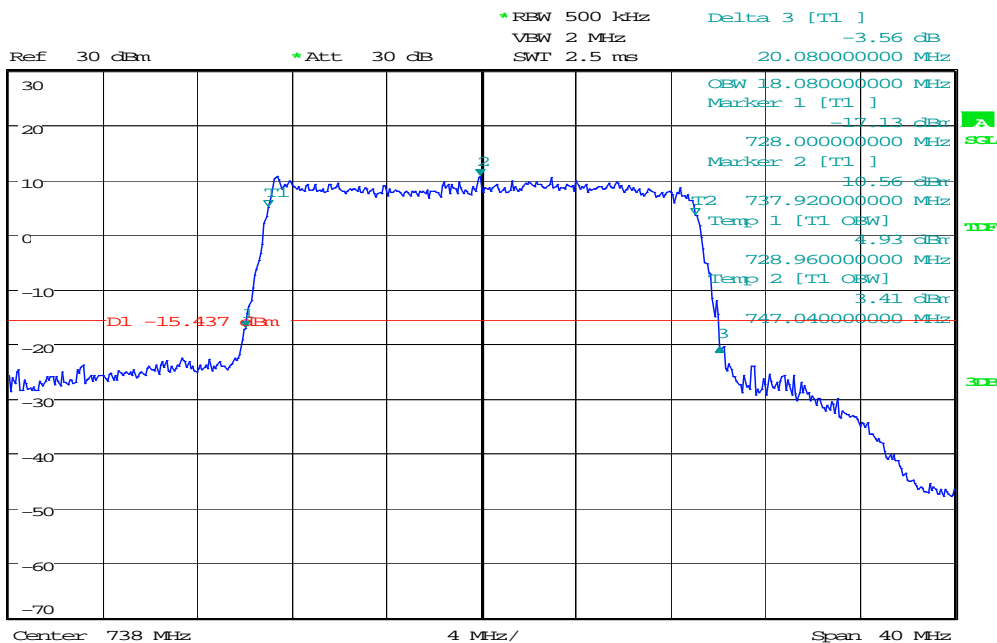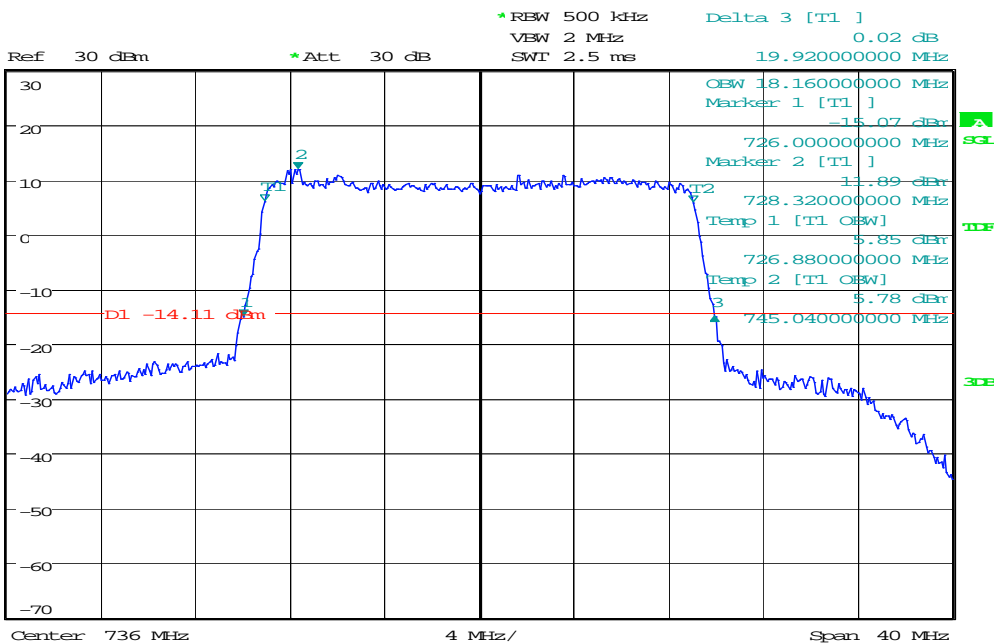Date: 16.JUN.2016 15:25:09

Report No.: FCC16053699-4

BW20MHz-736MHz,QPSK-100RB_LOW@OBW_18.16MHz@26dB_19.92MHz

Date: 16.JUN.2016 15:25:54

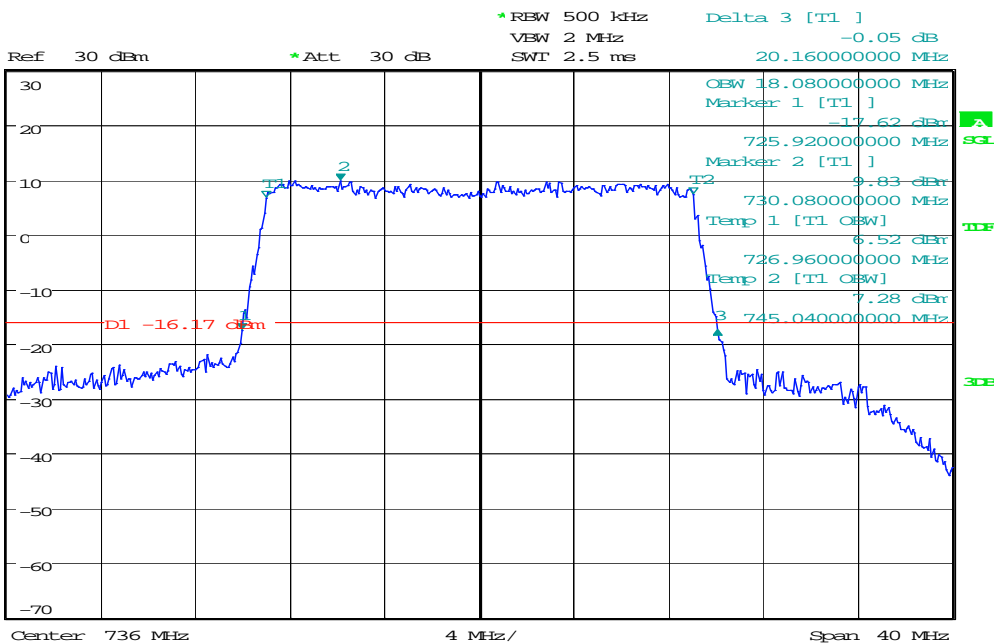### BW20MHz-736MHz,Q16-100RB_LOW@OBW_18.08MHz@26dB_20.16MHz

Date: 16.JUN.2016 15:26:32

Report No.: FCC16053699-4

10 BAND EDGE

10.1 Measurement Result

GSM850:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgement
Low Range	0.2	128	824.2	Pass
High Range	0.2	251	848.8	Pass

PCS 1900：

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgement
Low Range	0.2	512	1850.2	Pass
High Range	0.2	810	1909.8	Pass

UTRA BANDS
BAND 2:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgement
Low Range	5	9262	1852.4	Pass
High Range	5	9538	1907.6	Pass

BAND 4:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgement
Low Range	5	1312	1712.4	Pass
High Range	5	1513	1752.6	Pass

BAND 5:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgement
Low Range	5	4132	826.4	Pass
High Range	5	4233	846.6	Pass

E-UTRA BAND 2:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1.4	18607	1850.7	QPSK	1	LOW	Pass
1.4	18607	1850.7	QPSK	1	HIGH	Pass
1.4	18607	1850.7	QPSK	6	LOW	Pass
1.4	18607	1850.7	Q16	1	LOW	Pass
1.4	18607	1850.7	Q16	1	HIGH	Pass
1.4	18607	1850.7	Q16	6	LOW	Pass
1.4	19193	1909.3	QPSK	1	LOW	Pass
1.4	19193	1909.3	QPSK	1	HIGH	Pass
1.4	19193	1909.3	QPSK	6	LOW	Pass
1.4	19193	1909.3	Q16	1	LOW	Pass
1.4	19193	1909.3	Q16	1	HIGH	Pass
1.4	19193	1909.3	Q16	6	LOW	Pass
3	18615	1851.5	QPSK	1	LOW	Pass
3	18615	1851.5	QPSK	1	HIGH	Pass
3	18615	1851.5	QPSK	15	LOW	Pass
3	18615	1851.5	Q16	1	LOW	Pass
3	18615	1851.5	Q16	1	HIGH	Pass
3	18615	1851.5	Q16	15	LOW	Pass
3	19185	1908.5	QPSK	1	LOW	Pass
3	19185	1908.5	QPSK	1	HIGH	Pass
3	19185	1908.5	QPSK	15	LOW	Pass
3	19185	1908.5	Q16	1	LOW	Pass
3	19185	1908.5	Q16	1	HIGH	Pass
3	19185	1908.5	Q16	15	LOW	Pass
5	18625	1852.5	QPSK	1	LOW	Pass
5	18625	1852.5	QPSK	1	HIGH	Pass
5	18625	1852.5	QPSK	25	LOW	Pass
5	18625	1852.5	Q16	1	LOW	Pass
5	18625	1852.5	Q16	1	HIGH	Pass
5	18625	1852.5	Q16	25	LOW	Pass
5	19175	1907.5	QPSK	1	LOW	Pass
5	19175	1907.5	QPSK	1	HIGH	Pass
5	19175	1907.5	QPSK	25	LOW	Pass
5	19175	1907.5	Q16	1	LOW	Pass
5	19175	1907.5	Q16	1	HIGH	Pass
5	19175	1907.5	Q16	25	LOW	Pass
10	18650	1855	QPSK	1	LOW	Pass

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
10	18650	1855	QPSK	1	HIGH	Pass
10	18650	1855	QPSK	50	LOW	Pass
10	18650	1855	Q16	1	LOW	Pass
10	18650	1855	Q16	1	HIGH	Pass
10	18650	1855	Q16	50	LOW	Pass
10	19150	1905	QPSK	1	LOW	Pass
10	19150	1905	QPSK	1	HIGH	Pass
10	19150	1905	QPSK	50	LOW	Pass
10	19150	1905	Q16	1	LOW	Pass
10	19150	1905	Q16	1	HIGH	Pass
10	19150	1905	Q16	50	LOW	Pass
15	18675	1857.5	QPSK	1	LOW	Pass
15	18675	1857.5	QPSK	1	HIGH	Pass
15	18675	1857.5	QPSK	75	LOW	Pass
15	18675	1857.5	Q16	1	LOW	Pass
15	18675	1857.5	Q16	1	HIGH	Pass
15	18675	1857.5	Q16	75	LOW	Pass
15	19125	1902.5	QPSK	1	LOW	Pass
15	19125	1902.5	QPSK	1	HIGH	Pass
15	19125	1902.5	QPSK	75	LOW	Pass
15	19125	1902.5	Q16	1	LOW	Pass
15	19125	1902.5	Q16	1	HIGH	Pass
15	19125	1902.5	Q16	75	LOW	Pass
20	18700	1860	QPSK	1	LOW	Pass
20	18700	1860	QPSK	1	HIGH	Pass
20	18700	1860	QPSK	100	LOW	Pass
20	18700	1860	Q16	1	LOW	Pass
20	18700	1860	Q16	1	HIGH	Pass
20	18700	1860	Q16	100	LOW	Pass
20	19100	1900	QPSK	1	LOW	Pass
20	19100	1900	QPSK	1	HIGH	Pass
20	19100	1900	QPSK	100	LOW	Pass
20	19100	1900	Q16	1	LOW	Pass
20	19100	1900	Q16	1	HIGH	Pass
20	19100	1900	Q16	100	LOW	Pass

BAND 4：

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1.4	18607	1850.7	QPSK	1	LOW	Pass

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1.4	18607	1850.7	QPSK	1	MID	Pass
1.4	18607	1850.7	QPSK	1	HIGH	Pass
1.4	18607	1850.7	QPSK	6	LOW	Pass
1.4	18607	1850.7	Q16	1	LOW	Pass
1.4	18607	1850.7	Q16	1	MID	Pass
1.4	18607	1850.7	Q16	1	HIGH	Pass
1.4	18607	1850.7	Q16	6	LOW	Pass
1.4	19193	1909.3	QPSK	1	LOW	Pass
1.4	19193	1909.3	QPSK	1	MID	Pass
1.4	19193	1909.3	QPSK	1	HIGH	Pass
1.4	19193	1909.3	QPSK	6	LOW	Pass
1.4	19193	1909.3	Q16	1	LOW	Pass
1.4	19193	1909.3	Q16	1	MID	Pass
1.4	19193	1909.3	Q16	1	HIGH	Pass
1.4	19193	1909.3	Q16	6	LOW	Pass
3	18615	1851.5	QPSK	1	LOW	Pass
3	18615	1851.5	QPSK	1	MID	Pass
3	18615	1851.5	QPSK	1	HIGH	Pass
3	18615	1851.5	QPSK	15	LOW	Pass
3	18615	1851.5	Q16	1	LOW	Pass
3	18615	1851.5	Q16	1	MID	Pass
3	18615	1851.5	Q16	1	HIGH	Pass
3	18615	1851.5	Q16	15	LOW	Pass
3	19185	1908.5	QPSK	1	LOW	Pass
3	19185	1908.5	QPSK	1	MID	Pass
3	19185	1908.5	QPSK	1	HIGH	Pass
3	19185	1908.5	QPSK	15	LOW	Pass
3	19185	1908.5	Q16	1	LOW	Pass
3	19185	1908.5	Q16	1	MID	Pass
3	19185	1908.5	Q16	1	HIGH	Pass
3	19185	1908.5	Q16	15	LOW	Pass
5	18625	1852.5	QPSK	1	LOW	Pass
5	18625	1852.5	QPSK	1	MID	Pass
5	18625	1852.5	QPSK	1	HIGH	Pass
5	18625	1852.5	QPSK	25	LOW	Pass
5	18625	1852.5	Q16	1	LOW	Pass
5	18625	1852.5	Q16	1	MID	Pass
5	18625	1852.5	Q16	1	HIGH	Pass
5	18625	1852.5	Q16	25	LOW	Pass

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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
5	19175	1907.5	QPSK	1	LOW	Pass
5	19175	1907.5	QPSK	1	MID	Pass
5	19175	1907.5	QPSK	1	HIGH	Pass
5	19175	1907.5	QPSK	25	LOW	Pass
5	19175	1907.5	Q16	1	LOW	Pass
5	19175	1907.5	Q16	1	MID	Pass
5	19175	1907.5	Q16	1	HIGH	Pass
5	19175	1907.5	Q16	25	LOW	Pass
10	18650	1855	QPSK	1	LOW	Pass
10	18650	1855	QPSK	1	MID	Pass
10	18650	1855	QPSK	1	HIGH	Pass
10	18650	1855	QPSK	50	LOW	Pass
10	18650	1855	Q16	1	LOW	Pass
10	18650	1855	Q16	1	MID	Pass
10	18650	1855	Q16	1	HIGH	Pass
10	18650	1855	Q16	50	LOW	Pass
10	19150	1905	QPSK	1	LOW	Pass
10	19150	1905	QPSK	1	MID	Pass
10	19150	1905	QPSK	1	HIGH	Pass
10	19150	1905	QPSK	50	LOW	Pass
10	19150	1905	Q16	1	LOW	Pass
10	19150	1905	Q16	1	MID	Pass
10	19150	1905	Q16	1	HIGH	Pass
10	19150	1905	Q16	50	LOW	Pass
15	18675	1857.5	QPSK	1	LOW	Pass
15	18675	1857.5	QPSK	1	MID	Pass
15	18675	1857.5	QPSK	1	HIGH	Pass
15	18675	1857.5	QPSK	75	LOW	Pass
15	18675	1857.5	Q16	1	LOW	Pass
15	18675	1857.5	Q16	1	MID	Pass
15	18675	1857.5	Q16	1	HIGH	Pass
15	18675	1857.5	Q16	75	LOW	Pass
15	19125	1902.5	QPSK	1	LOW	Pass
15	19125	1902.5	QPSK	1	MID	Pass
15	19125	1902.5	QPSK	1	HIGH	Pass
15	19125	1902.5	QPSK	75	LOW	Pass
15	19125	1902.5	Q16	1	LOW	Pass
15	19125	1902.5	Q16	1	MID	Pass
15	19125	1902.5	Q16	1	HIGH	Pass

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
15	19125	1902.5	Q16	75	LOW	Pass
20	18700	1860	QPSK	1	LOW	Pass
20	18700	1860	QPSK	1	MID	Pass
20	18700	1860	QPSK	1	HIGH	Pass
20	18700	1860	QPSK	100	LOW	Pass
20	18700	1860	Q16	1	LOW	Pass
20	18700	1860	Q16	1	MID	Pass
20	18700	1860	Q16	1	HIGH	Pass
20	18700	1860	Q16	100	LOW	Pass
20	19100	1900	QPSK	1	LOW	Pass
20	19100	1900	QPSK	1	MID	Pass
20	19100	1900	QPSK	1	HIGH	Pass
20	19100	1900	QPSK	100	LOW	Pass
20	19100	1900	Q16	1	LOW	Pass
20	19100	1900	Q16	1	MID	Pass
20	19100	1900	Q16	1	HIGH	Pass
20	19100	1900	Q16	100	LOW	Pass

BAND 7:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
5	20775	2502.5	QPSK	1	LOW	Pass
5	20775	2502.5	QPSK	1	MID	Pass
5	20775	2502.5	QPSK	1	HIGH	Pass
5	20775	2502.5	QPSK	25	LOW	Pass
5	20775	2502.5	Q16	1	LOW	Pass
5	20775	2502.5	Q16	1	MID	Pass
5	20775	2502.5	Q16	1	HIGH	Pass
5	20775	2502.5	Q16	25	LOW	Pass
5	21425	2567.5	QPSK	1	LOW	Pass
5	21425	2567.5	QPSK	1	MID	Pass
5	21425	2567.5	QPSK	1	HIGH	Pass
5	21425	2567.5	QPSK	25	LOW	Pass
5	21425	2567.5	Q16	1	LOW	Pass
5	21425	2567.5	Q16	1	MID	Pass
5	21425	2567.5	Q16	1	HIGH	Pass
5	21425	2567.5	Q16	25	LOW	Pass
10	20800	2505	QPSK	1	LOW	Pass

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
10	20800	2505	QPSK	1	MID	Pass
10	20800	2505	QPSK	1	HIGH	Pass
10	20800	2505	QPSK	50	LOW	Pass
10	20800	2505	Q16	1	LOW	Pass
10	20800	2505	Q16	1	MID	Pass
10	20800	2505	Q16	1	HIGH	Pass
10	20800	2505	Q16	50	LOW	Pass
10	21400	2565	QPSK	1	LOW	Pass
10	21400	2565	QPSK	1	MID	Pass
10	21400	2565	QPSK	1	HIGH	Pass
10	21400	2565	QPSK	50	LOW	Pass
10	21400	2565	QPSK	1	LOW	Pass
10	21400	2565	QPSK	1	MID	Pass
10	21400	2565	QPSK	1	HIGH	Pass
10	21400	2565	Q16	50	LOW	Pass
15	20825	2507.5	QPSK	1	LOW	Pass
15	20825	2507.5	QPSK	1	MID	Pass
15	20825	2507.5	QPSK	1	HIGH	Pass
15	20825	2507.5	QPSK	75	LOW	Pass
15	20825	2507.5	Q16	1	LOW	Pass
15	20825	2507.5	Q16	1	MID	Pass
15	20825	2507.5	Q16	1	HIGH	Pass
15	20825	2507.5	Q16	75	LOW	Pass
15	21375	2562.5	QPSK	1	LOW	Pass
15	21375	2562.5	QPSK	1	MID	Pass
15	21375	2562.5	QPSK	1	HIGH	Pass
15	21375	2562.5	QPSK	75	LOW	Pass
15	21375	2562.5	Q16	1	LOW	Pass
15	21375	2562.5	Q16	1	MID	Pass
15	21375	2562.5	Q16	1	HIGH	Pass
15	21375	2562.5	Q16	75	LOW	Pass
20	20850	2510	QPSK	1	LOW	Pass
20	20850	2510	QPSK	1	MID	Pass
20	20850	2510	QPSK	1	HIGH	Pass
20	20850	2510	QPSK	100	LOW	Pass
20	20850	2510	Q16	1	LOW	Pass
20	20850	2510	Q16	1	MID	Pass
20	20850	2510	Q16	1	HIGH	Pass
20	20850	2510	Q16	100	LOW	Pass

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
20	21350	2560	QPSK	1	LOW	Pass
20	21350	2560	QPSK	1	MID	Pass
20	21350	2560	QPSK	1	HIGH	Pass
20	21350	2560	QPSK	100	LOW	Pass
20	21350	2560	Q16	1	LOW	Pass
20	21350	2560	Q16	1	MID	Pass
20	21350	2560	Q16	1	HIGH	Pass
20	21350	2560	Q16	100	LOW	Pass

BAND 20:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
5	24175	834.5	QPSK	1	LOW	Pass
5	24175	834.5	QPSK	1	MID	Pass
5	24175	834.5	QPSK	1	HIGH	Pass
5	24175	834.5	QPSK	25	LOW	Pass
5	24175	834.5	Q16	1	LOW	Pass
5	24175	834.5	Q16	1	MID	Pass
5	24175	834.5	Q16	1	HIGH	Pass
5	24175	834.5	Q16	25	LOW	Pass
5	24295	846.5	QPSK	1	LOW	Pass
5	24295	846.5	QPSK	1	MID	Pass
5	24295	846.5	QPSK	1	HIGH	Pass
5	24295	846.5	QPSK	25	LOW	Pass
5	24295	846.5	Q16	1	LOW	Pass
5	24295	846.5	Q16	1	MID	Pass
5	24295	846.5	Q16	1	HIGH	Pass
5	24295	846.5	Q16	25	LOW	Pass
10	24200	837	QPSK	1	LOW	Pass
10	24200	837	QPSK	1	MID	Pass
10	24200	837	QPSK	1	HIGH	Pass
10	24200	837	QPSK	50	LOW	Pass
10	24200	837	Q16	1	LOW	Pass
10	24200	837	Q16	1	MID	Pass
10	24200	837	Q16	1	HIGH	Pass
10	24200	837	Q16	50	LOW	Pass
10	24270	844	QPSK	1	LOW	Pass
10	24270	844	QPSK	1	MID	Pass
10	24270	844	QPSK	1	HIGH	Pass
10	24270	844	QPSK	50	LOW	Pass
10	24270	844	QPSK	1	LOW	Pass
10	24270	844	QPSK	1	MID	Pass
10	24270	844	QPSK	1	HIGH	Pass
10	24270	844	Q16	50	LOW	Pass
15	24225	839.5	QPSK	1	LOW	Pass
15	24225	839.5	QPSK	1	MID	Pass
15	24225	839.5	QPSK	1	HIGH	Pass
15	24225	839.5	QPSK	75	LOW	Pass
15	24225	839.5	Q16	1	LOW	Pass

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
15	24225	839.5	Q16	1	MID	Pass
15	24225	839.5	Q16	1	HIGH	Pass
15	24225	839.5	Q16	75	LOW	Pass
15	24245	841.5	QPSK	1	LOW	Pass
15	24245	841.5	QPSK	1	MID	Pass
15	24245	841.5	QPSK	1	HIGH	Pass
15	24245	841.5	QPSK	75	LOW	Pass
15	24245	841.5	Q16	1	LOW	Pass
15	24245	841.5	Q16	1	MID	Pass
15	24245	841.5	Q16	1	HIGH	Pass
15	24245	841.5	Q16	75	LOW	Pass

BAND 28:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
3	27450	727	QPSK	1	LOW	Pass
3	27450	727	QPSK	1	MID	Pass
3	27450	727	QPSK	1	HIGH	Pass
3	27450	727	QPSK	15	LOW	Pass
3	27450	727	Q16	1	LOW	Pass
3	27450	727	Q16	1	MID	Pass
3	27450	727	Q16	1	HIGH	Pass
3	27450	727	Q16	15	LOW	Pass
3	27645	746.5	QPSK	1	LOW	Pass
3	27645	746.5	QPSK	1	MID	Pass
3	27645	746.5	QPSK	1	HIGH	Pass
3	27645	746.5	QPSK	15	LOW	Pass
3	27645	746.5	Q16	1	LOW	Pass
3	27645	746.5	Q16	1	MID	Pass
3	27645	746.5	Q16	1	HIGH	Pass
3	27645	746.5	Q16	15	LOW	Pass
5	27460	728	QPSK	1	LOW	Pass
5	27460	728	QPSK	1	MID	Pass
5	27460	728	QPSK	1	HIGH	Pass
5	27460	728	QPSK	25	LOW	Pass
5	27460	728	Q16	1	LOW	Pass
5	27460	728	Q16	1	MID	Pass

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
5	27460	728	Q16	1	HIGH	Pass
5	27460	728	Q16	25	LOW	Pass
5	27635	745.5	QPSK	1	LOW	Pass
5	27635	745.5	QPSK	1	MID	Pass
5	27635	745.5	QPSK	1	HIGH	Pass
5	27635	745.5	QPSK	25	LOW	Pass
5	27635	745.5	Q16	1	LOW	Pass
5	27635	745.5	Q16	1	MID	Pass
5	27635	745.5	Q16	1	HIGH	Pass
5	27635	745.5	Q16	25	LOW	Pass
10	27485	730.5	QPSK	1	LOW	Pass
10	27485	730.5	QPSK	1	MID	Pass
10	27485	730.5	QPSK	1	HIGH	Pass
10	27485	730.5	QPSK	50	LOW	Pass
10	27485	730.5	Q16	1	LOW	Pass
10	27485	730.5	Q16	1	MID	Pass
10	27485	730.5	Q16	1	HIGH	Pass
10	27485	730.5	Q16	50	LOW	Pass
10	27610	743	QPSK	1	LOW	Pass
10	27610	743	QPSK	1	MID	Pass
10	27610	743	QPSK	1	HIGH	Pass
10	27610	743	QPSK	50	LOW	Pass
10	27610	743	Q16	1	LOW	Pass
10	27610	743	Q16	1	MID	Pass
10	27610	743	Q16	1	HIGH	Pass
10	27610	743	Q16	50	LOW	Pass
15	27510	733	QPSK	1	LOW	Pass
15	27510	733	QPSK	1	MID	Pass
15	27510	733	QPSK	1	HIGH	Pass
15	27510	733	QPSK	75	LOW	Pass
15	27510	733	Q16	1	LOW	Pass
15	27510	733	Q16	1	MID	Pass
15	27510	733	Q16	1	HIGH	Pass
15	27510	733	Q16	75	LOW	Pass
15	27585	740.5	QPSK	1	LOW	Pass
15	27585	740.5	QPSK	1	MID	Pass
15	27585	740.5	QPSK	1	HIGH	Pass
15	27585	740.5	QPSK	75	LOW	Pass
15	27585	740.5	Q16	1	LOW	Pass

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
15	27585	740.5	Q16	1	MID	Pass
15	27585	740.5	Q16	1	HIGH	Pass
15	27585	740.5	Q16	75	LOW	Pass
20	27535	735.5	QPSK	1	LOW	Pass
20	27535	735.5	QPSK	1	MID	Pass
20	27535	735.5	QPSK	1	HIGH	Pass
20	27535	735.5	QPSK	100	LOW	Pass
20	27535	735.5	Q16	1	LOW	Pass
20	27535	735.5	Q16	1	MID	Pass
20	27535	735.5	Q16	1	HIGH	Pass
20	27535	735.5	Q16	100	LOW	Pass
20	27560	738	QPSK	1	LOW	Pass
20	27560	738	QPSK	1	MID	Pass
20	27560	738	QPSK	1	HIGH	Pass
20	27560	738	QPSK	100	LOW	Pass
20	27560	738	Q16	1	LOW	Pass
20	27560	738	Q16	1	MID	Pass
20	27560	738	Q16	1	HIGH	Pass
20	27560	738	Q16	100	LOW	Pass

10.2 Test Plot(s)

GSM850@Band Edge

HC

```
                                          ★RBW  30 kHz      Marker 1 [T1 ]
                                          ★VBW  30 kHz               -19.39 dBm
        Ref   30 dBm          ★Att   30 dB   SWT  10 ms        849.006410256 MHz
```



```
Center   849 MHz              200 kHz/              Span  2 MHz
```

Date: 21.JUN.2016 17:53:29

LC

```
                                          ★RBW  30 kHz      Marker 1 [T1 ]
                                          ★VBW  30 kHz               -19.41 dBm
        Ref   30 dBm          ★Att   30 dB   SWT  10 ms        823.996794872 MHz
```



```
Center   824 MHz              200 kHz/              Span  2 MHz
```

Date: 21.JUN.2016 17:54:38

Report No.: FCC16053699-4

PCS1900@BAND EDGE

HC


```
            * RBW  30 kHz      Marker 1 [T1 ]
            * VBW  30 kHz              -15.72 dBm
Ref  40 dBm        * Att  30 dB   SWT  10 ms      1.910006410 GHz
```

D1 -13 dBm

Center 1.91 GHz   200 kHz/   Span 2 MHz

Date: 21.JUN.2016 18:25:43

LC


```
            * RBW  30 kHz      Marker 1 [T1 ]
            * VBW  30 kHz              -15.32 dBm
Ref  40 dBm        * Att  30 dB   SWT  10 ms      1.850000000 GHz
```

D1 -13 dBm

Center 1.85 GHz   200 kHz/   Span 2 MHz

Date: 21.JUN.2016 18:23:39

Report No.: FCC16053699-4

E-UTRA BANDS

BAND 2@Band Edge

HC

	* RBW 100 kHz	Marker 1 [T1]
	VBW 300 kHz	−14.90 dBm
Ref 27 dBm	* Att 30 dB SWT 2.5 ms	1.910000000 GHz

D1 −13 dBm

Start 1.91 GHz   400 kHz/   Stop 1.914 GHz

Date: 22.JUN.2016 18:02:50

LC

	* RBW 100 kHz	Marker 1 [T1]
	VBW 300 kHz	−14.19 dBm
Ref 27 dBm	* Att 30 dB SWT 2.5 ms	1.850000000 GHz

D1 −13 dBm

Start 1.846 GHz   400 kHz/   Stop 1.85 GHz

Date: 22.JUN.2016 18:03:55

Report No.: FCC16053699-4

BAND 4@Band Edge

HC

Date: 22.JUN.2016 18:21:50

LC

Date: 22.JUN.2016 18:22:48

Report No.: FCC16053699-4

BAND 5@Band Edge

HC

*RBW 100 kHz		Marker 1 [T1]
VBW 300 kHz		−15.45 dBm
Ref 30.1 dBm	*Att 30 dB	SWT 2.5 ms	849.000000000 MHz

Start 849 MHz   300 kHz/   Stop 852 MHz

Date: 22.JUN.2016 17:39:56

LC

*RBW 100 kHz		Marker 1 [T1]
VBW 300 kHz		−14.85 dBm
Ref 27 dBm	*Att 30 dB	SWT 2.5 ms	824.000000000 MHz

Start 820 MHz   400 kHz/   Stop 824 MHz

Date: 22.JUN.2016 17:43:33

Report No.: FCC16053699-4

E-UTRA BANDS

BAND 2@Band Edge

BAND2-1850.7MHz,QPSK-1RB_LOW@Pass

*RBW 50 kHz	Marker 1 [T1]
*VBW 100 kHz	−26.16 dBm
*SWT 2 s	1.849996500 GHz

Ref 30 dBm   *Att 30 dB

Marker 2 [T1]
10.41 dBm
1.850254800 GHz

A
SGL

TDF

3DB

1 RM
AVG

D1 −13 dBm

F1
−70

F2

Center 1.8507 GHz   420 kHz/   Span 4.2 MHz

Date: 16.JUN.2016 10:08:27

BAND2-1850.7MHz,QPSK-1RB_HIGH@Pass

Report No.: FCC16053699-4

BAND2-1850.7MHz,QPSK-3RB_LOW@Pass

BAND2-1850.7MHz,QPSK-3RB_HIGH@Pass

Report No.: FCC16053699-4
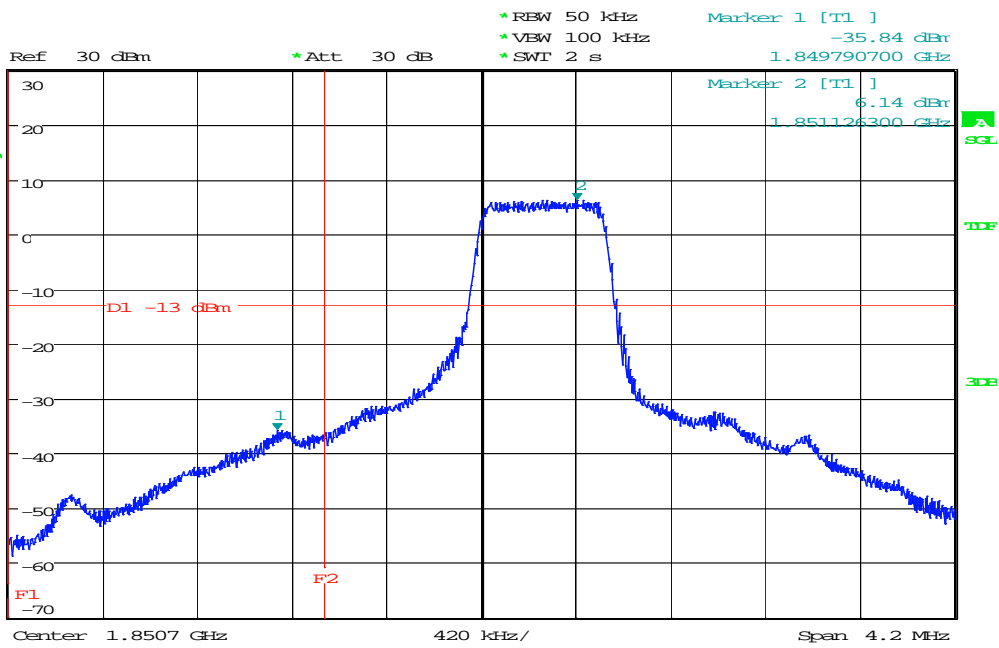
BAND2-1850.7MHz,QPSK-6RB_LOW @Pass
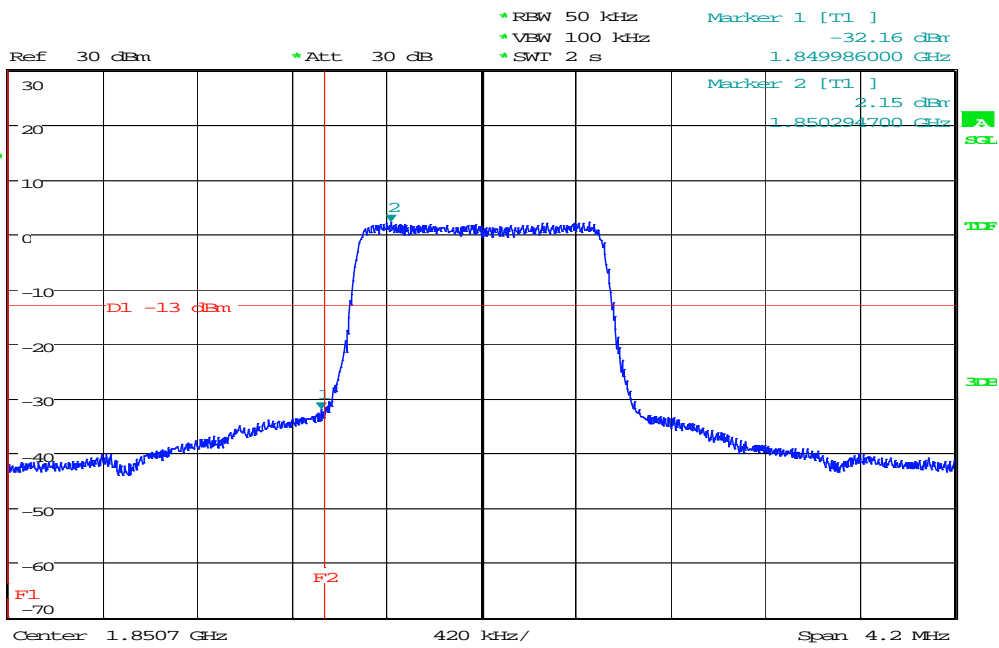
BAND2-1850.7MHz,Q16-1RB_LOW @Pass

Report No.: FCC16053699-4
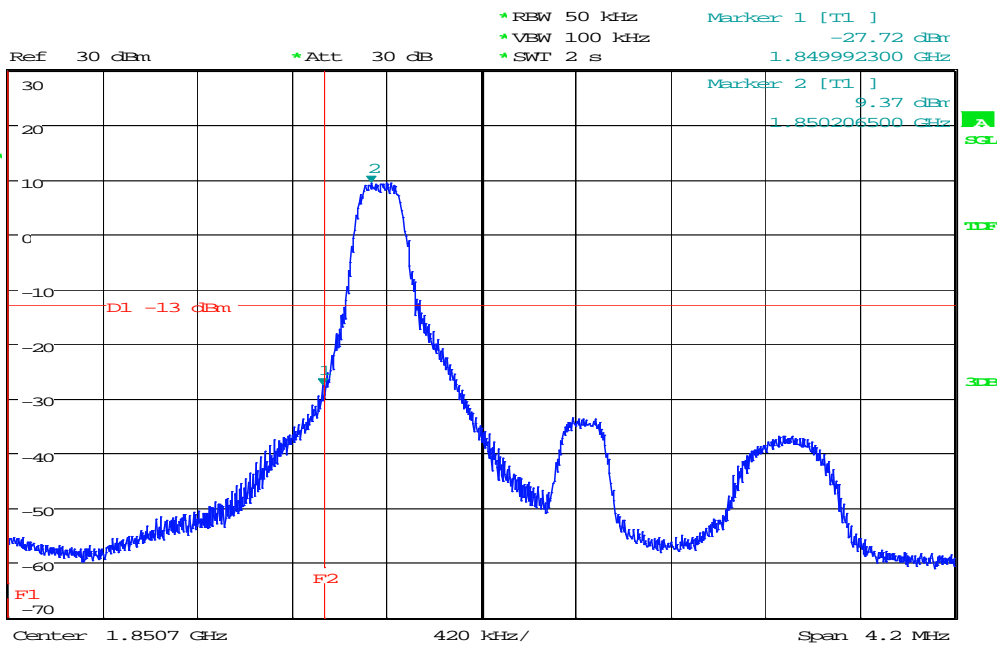
Date: 16.JUN.2016 10:09:21

BAND2-1850.7MHz,Q16-1RB_HIGH@Pass
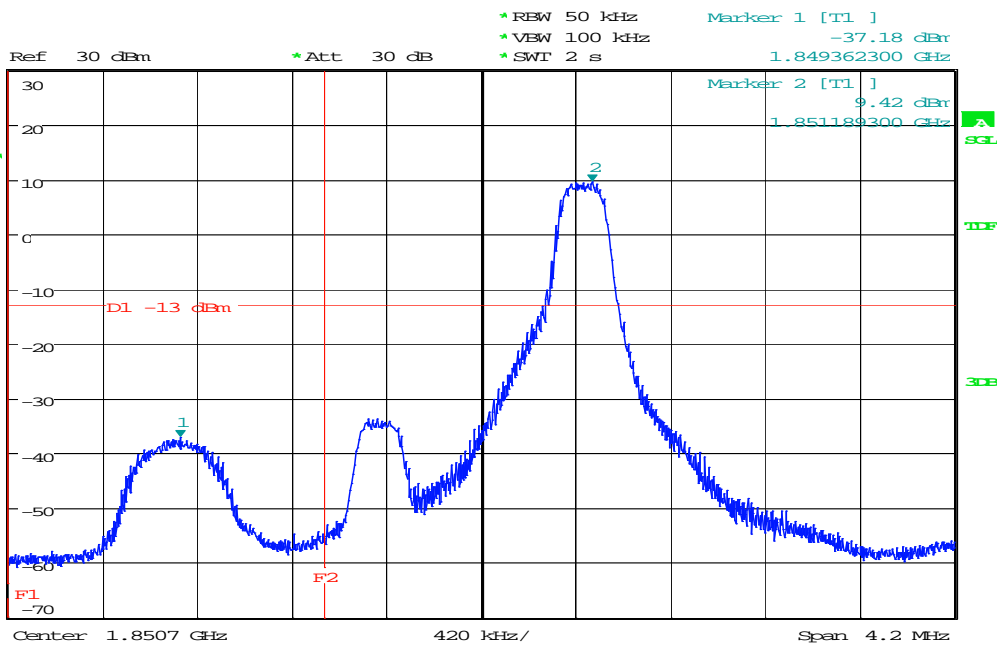
Date: 16.JUN.2016 10:09:31

BAND2-1850.7MHz,Q16-3RB_LOW@Pass

Report No.: FCC16053699-4
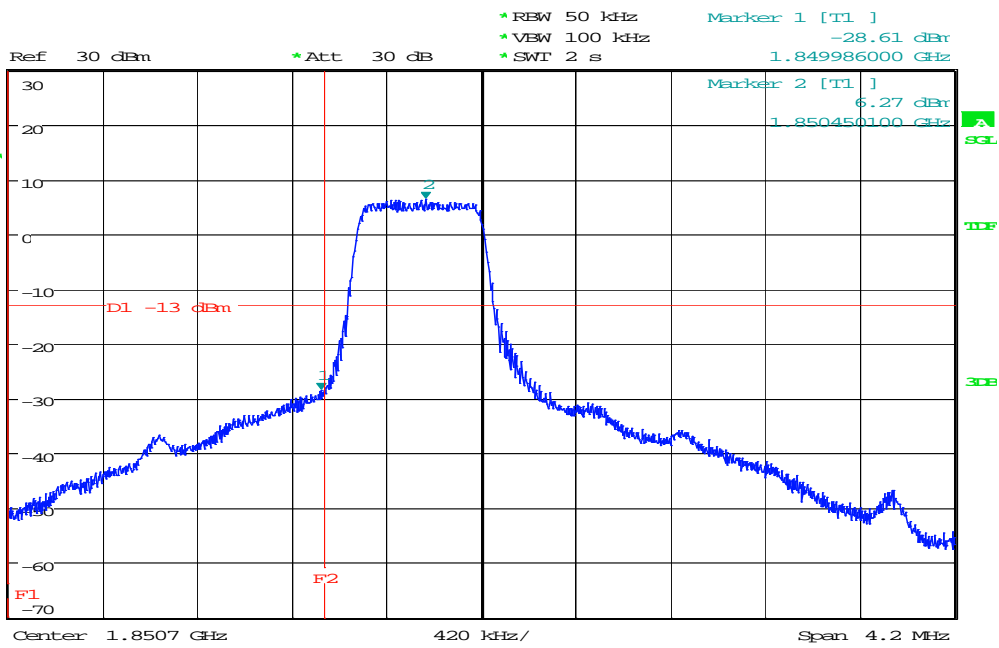
BAND2-1850.7MHz,Q16-3RB_HIGH@Pass
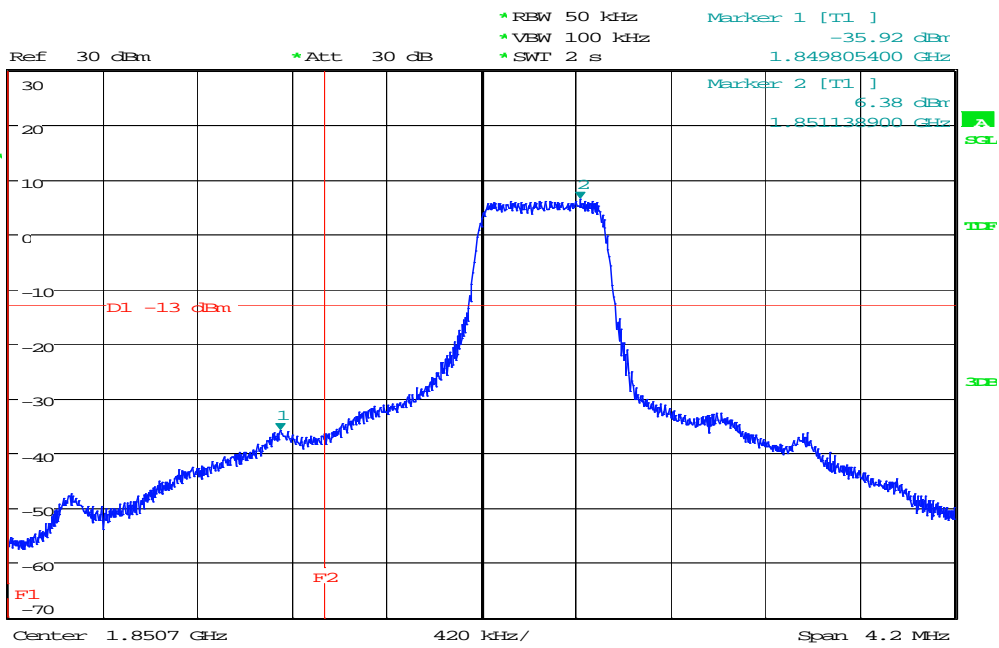
BAND2-1850.7MHz,Q16-6RB_LOW@Pass

Report No.: FCC16053699-4
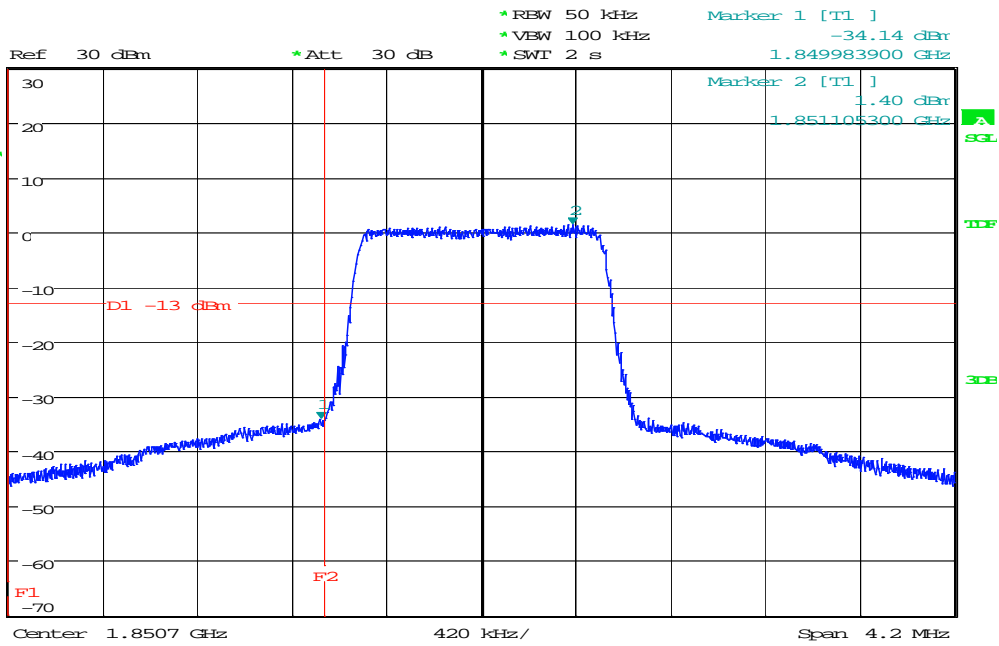
Date: 16.JUN.2016 10:10:03

BAND2-1909.3MHz,QPSK-1RB_LOW@Pass
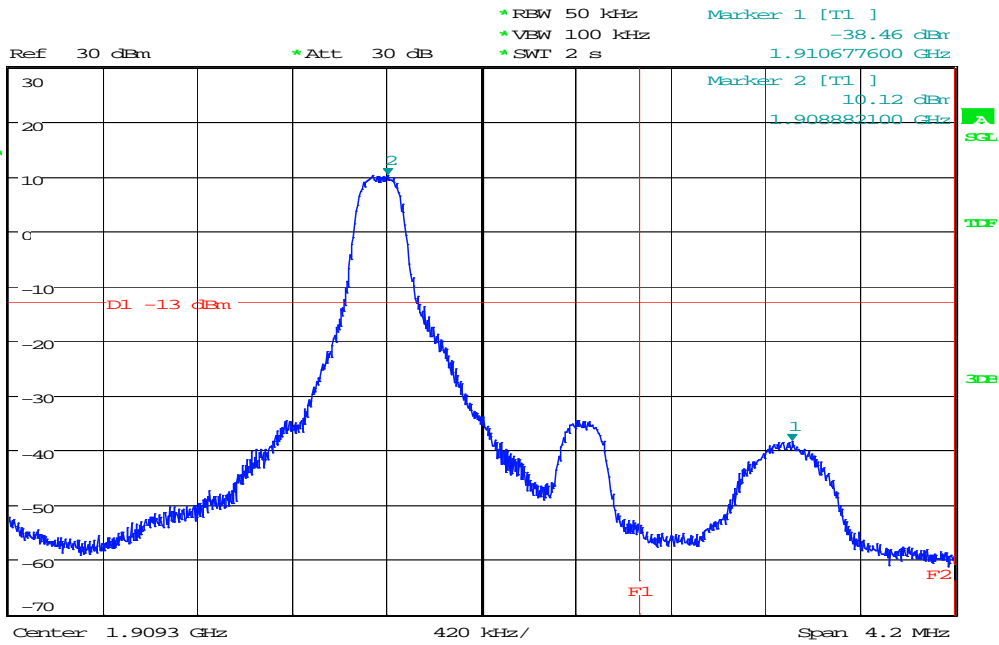
Date: 16.JUN.2016 10:10:15

BAND2-1909.3MHz,QPSK-1RB_HIGH@Pass

Report No.: FCC16053699-4

BAND2-1909.3MHz,QPSK-3RB_LOW@Pass

BAND2-1909.3MHz,QPSK-3RB_HIGH@Pass

Report No.: FCC16053699-4
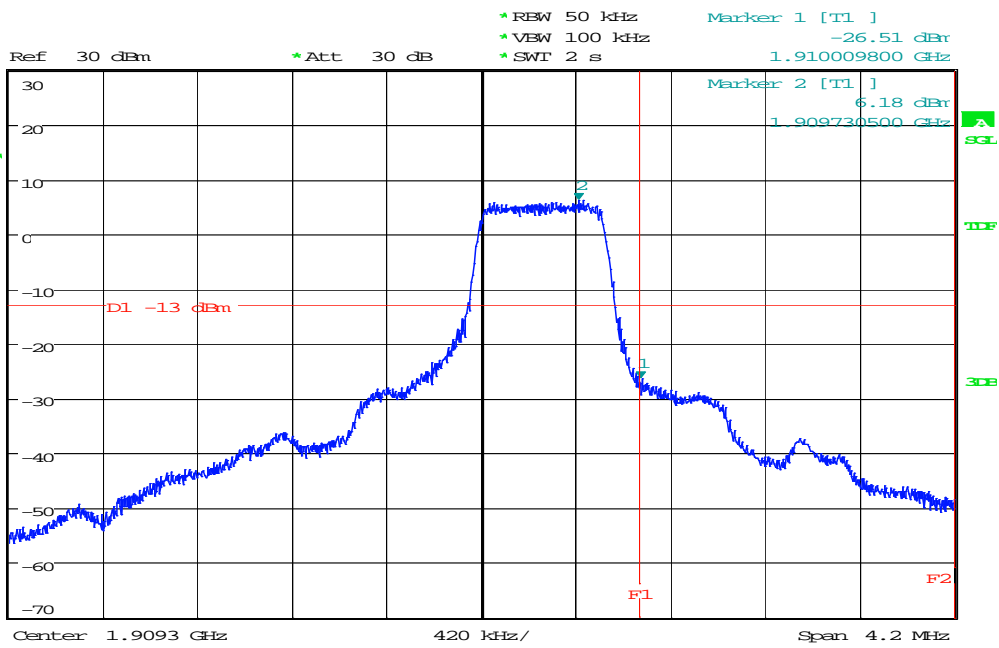
BAND2-1909.3MHz,QPSK-6RB_LOW@Pass
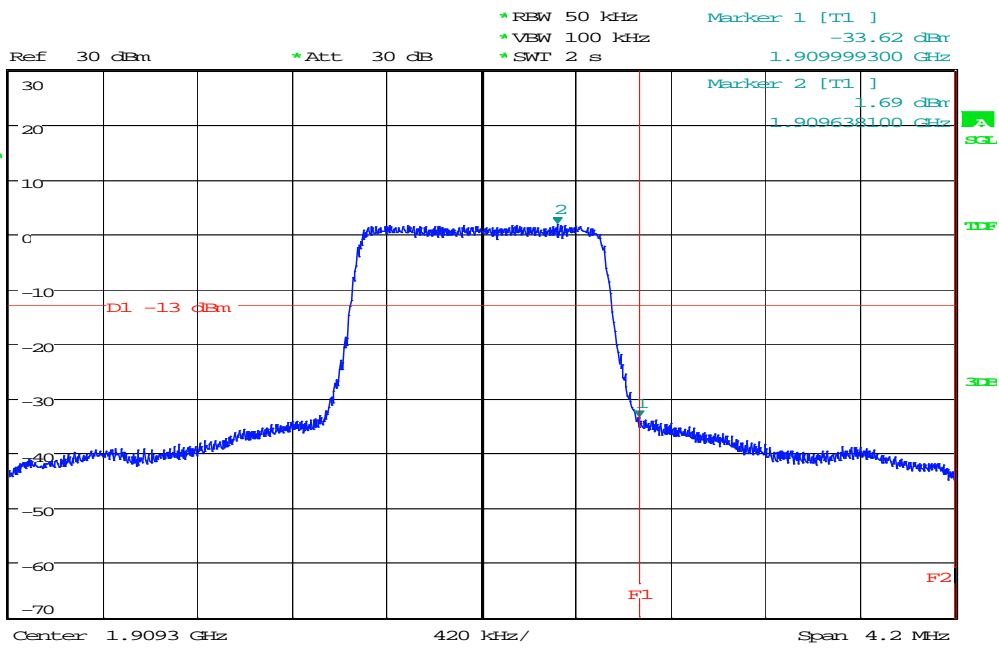
BAND2-1909.3MHz,Q16-1RB_LOW@Pass

Report No.: FCC16053699-4

BAND2-1909.3MHz,Q16-1RB_HIGH@Pass
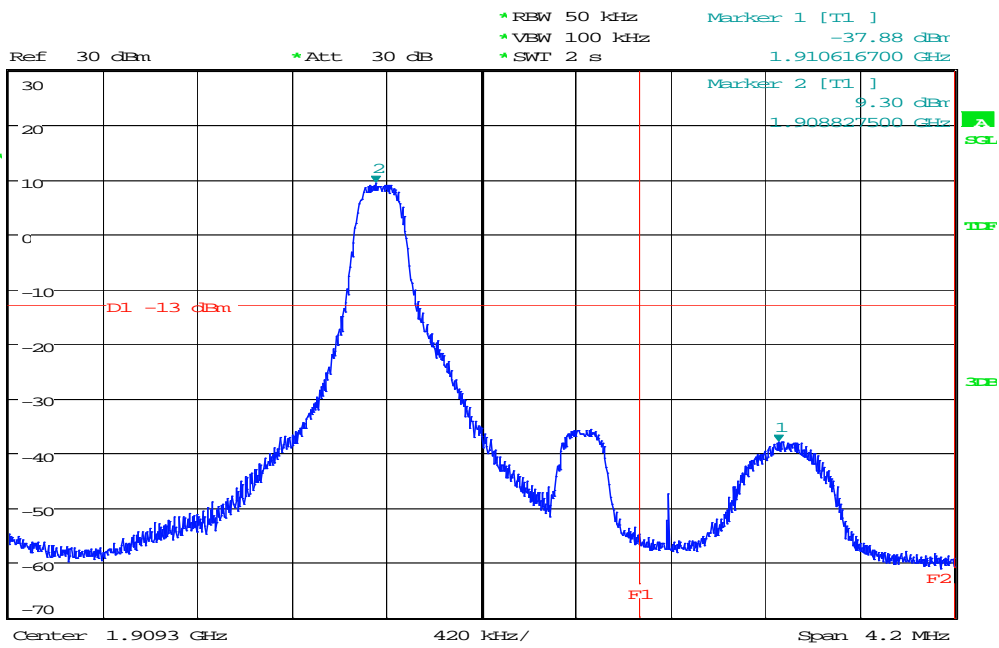
Date: 16.JUN.2016 10:11:07

BAND2-1909.3MHz,Q16-3RB_LOW@Pass
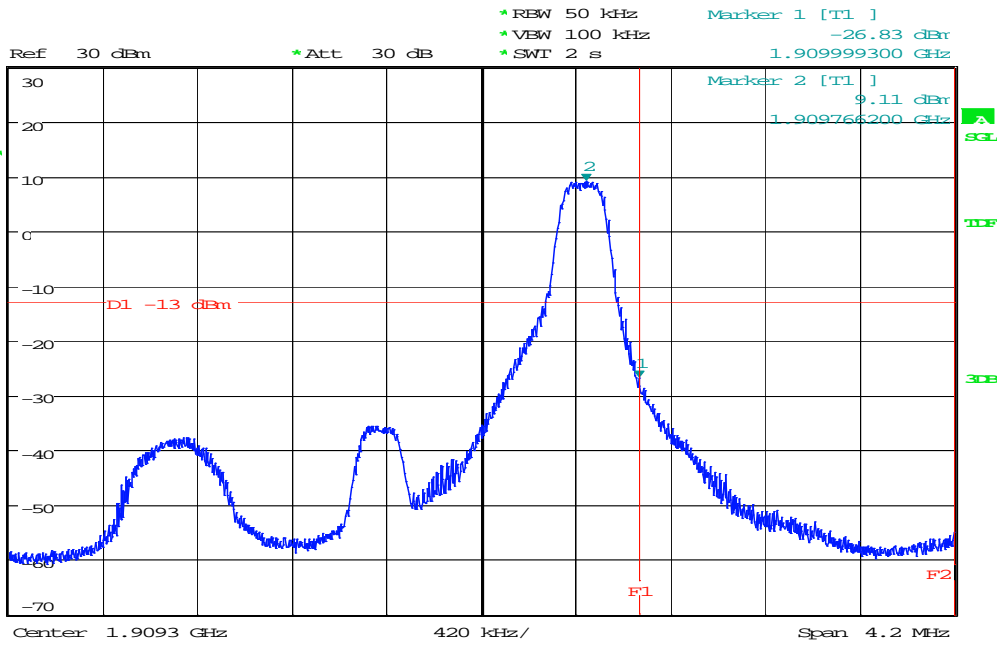
Date: 16.JUN.2016 10:11:18

Report No.: FCC16053699-4

BAND2-1909.3MHz,Q16-3RB_HIGH@Pass
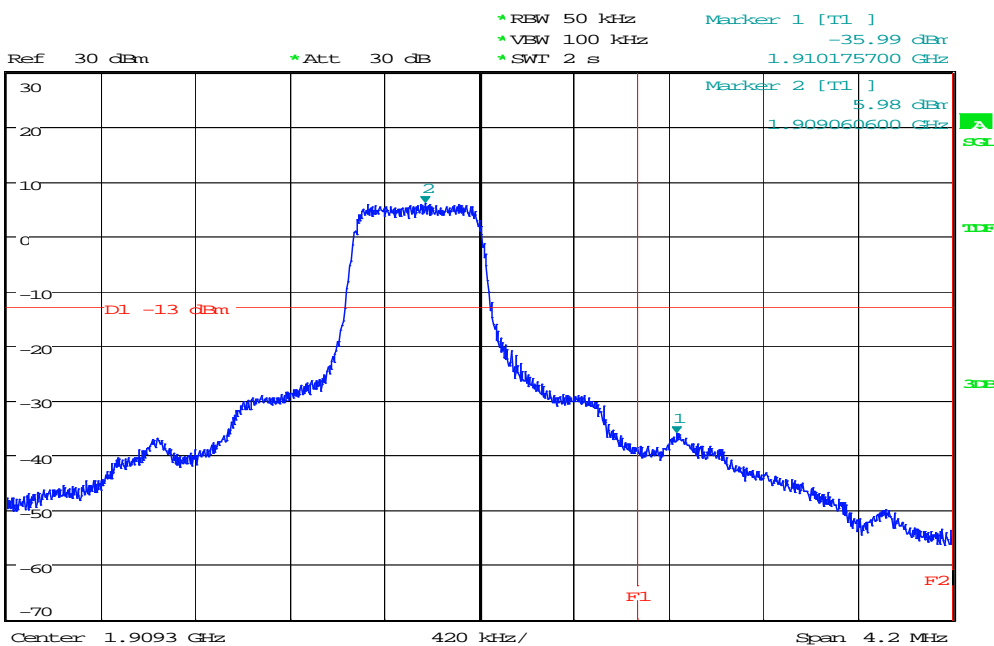
Date: 16.JUN.2016 10:11:28

BAND2-1909.3MHz,Q16-6RB_LOW@Pass
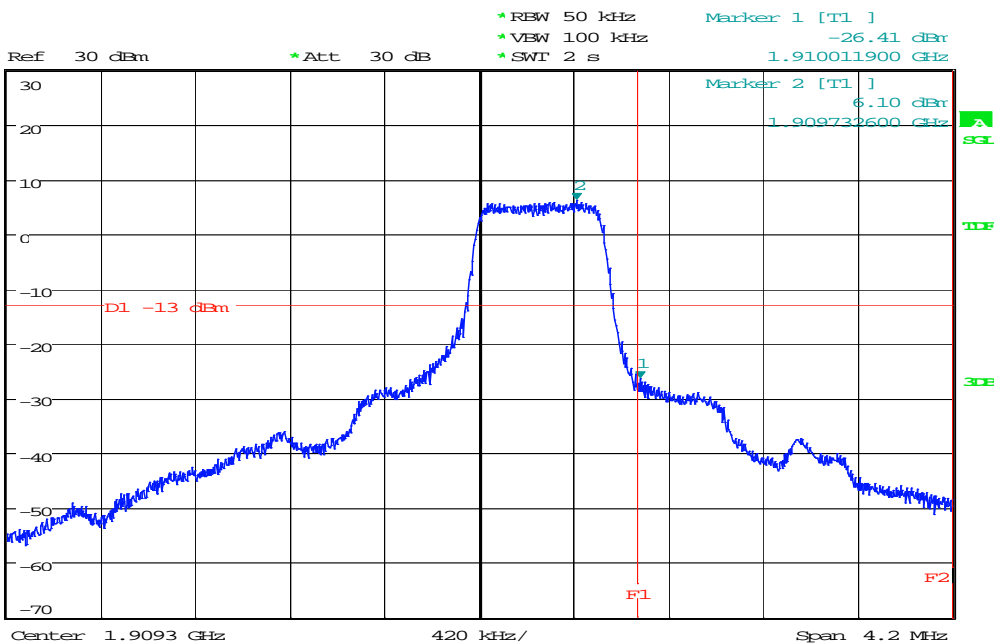
Date: 16.JUN.2016 10:11:39

Report No.: FCC16053699-4
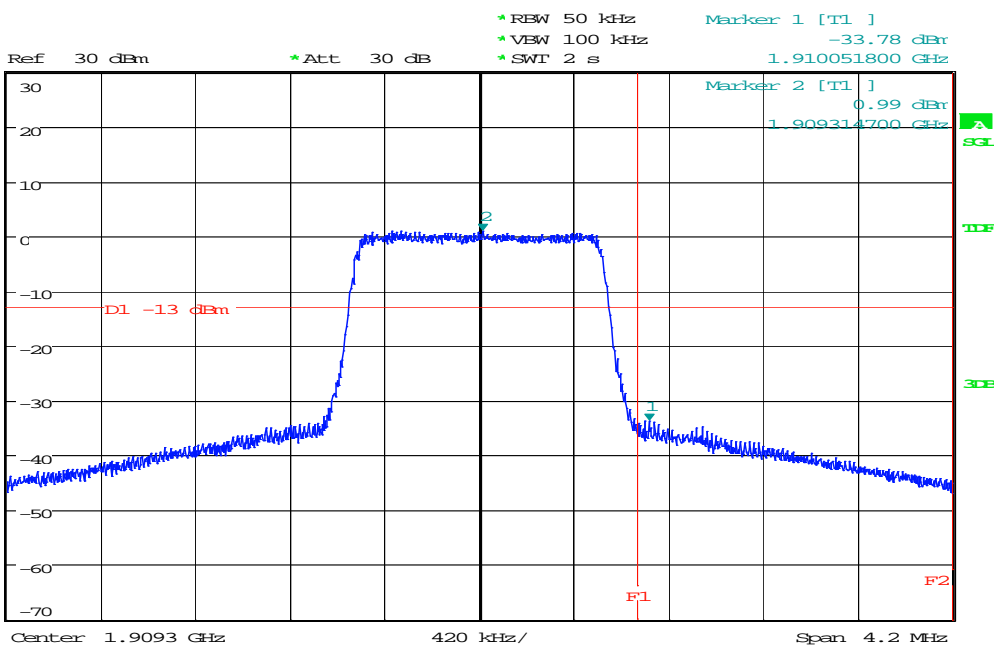
Date: 16.JUN.2016 10:11:50

BAND2-1851.5MHz,QPSK-1RB_LOW@Pass
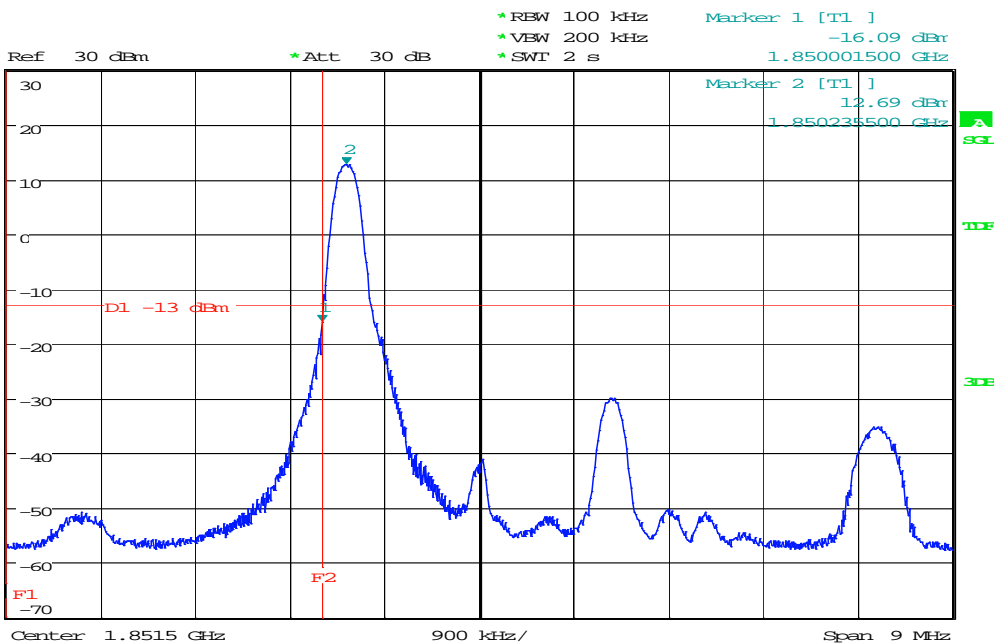
Date: 16.JUN.2016 10:12:03

BAND2-1851.5MHz,QPSK-1RB_HIGH@Pass

Report No.: FCC16053699-4

BAND2-1851.5MHz,QPSK-8RB_LOW@Pass
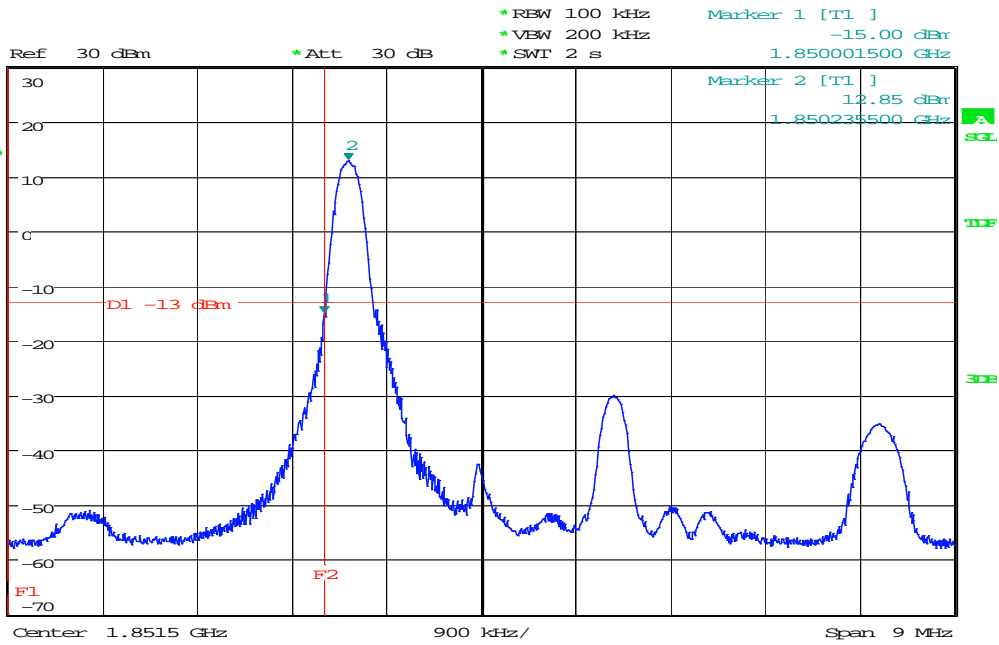
BAND2-1851.5MHz,QPSK-8RB_HIGH@Pass

Report No.: FCC16053699-4
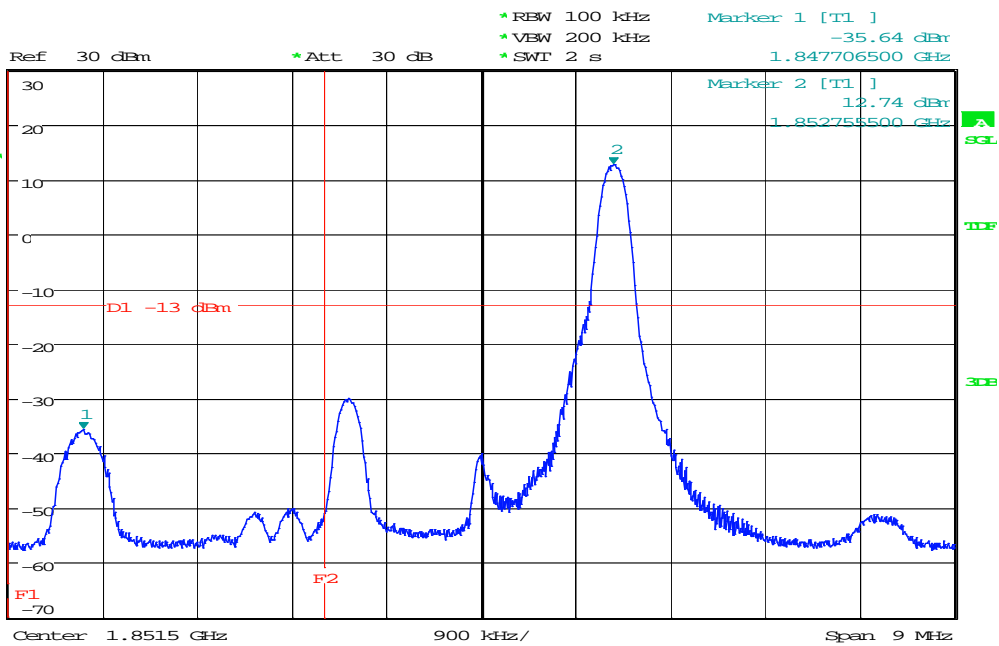
BAND2-1851.5MHz,QPSK-15RB_LOW @Pass
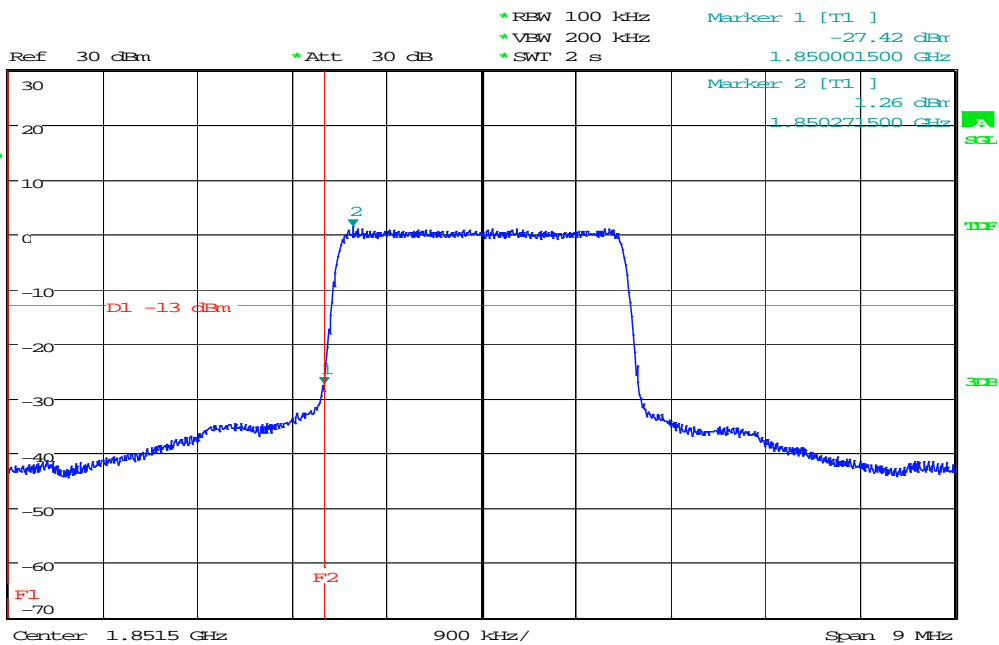
BAND2-1851.5MHz,Q16-1RB_LOW @Pass

Report No.: FCC16053699-4
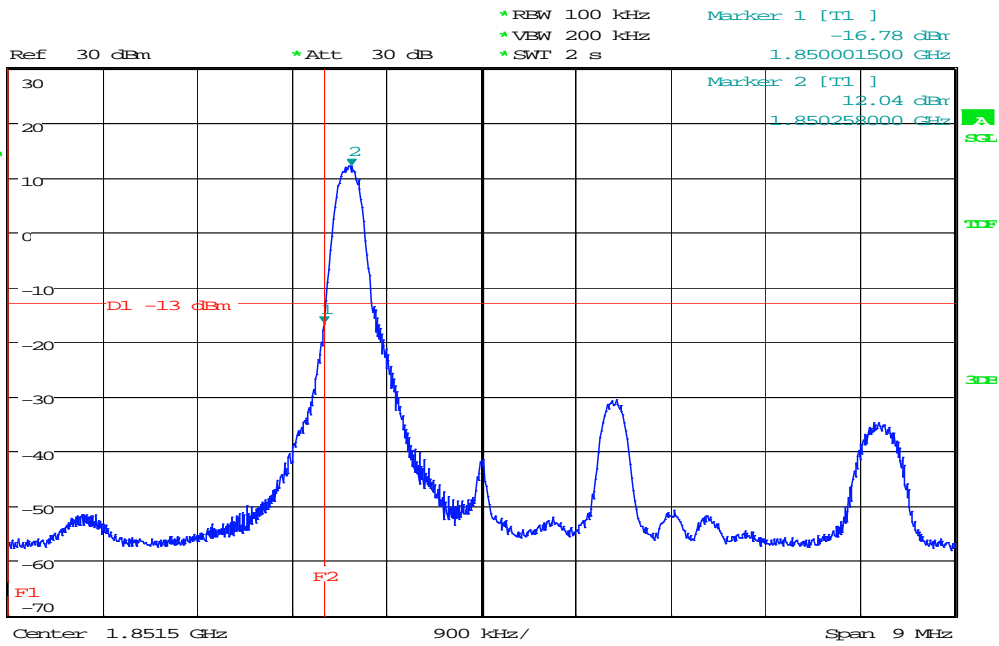
BAND2-1851.5MHz,Q16-1RB_HIGH@Pass
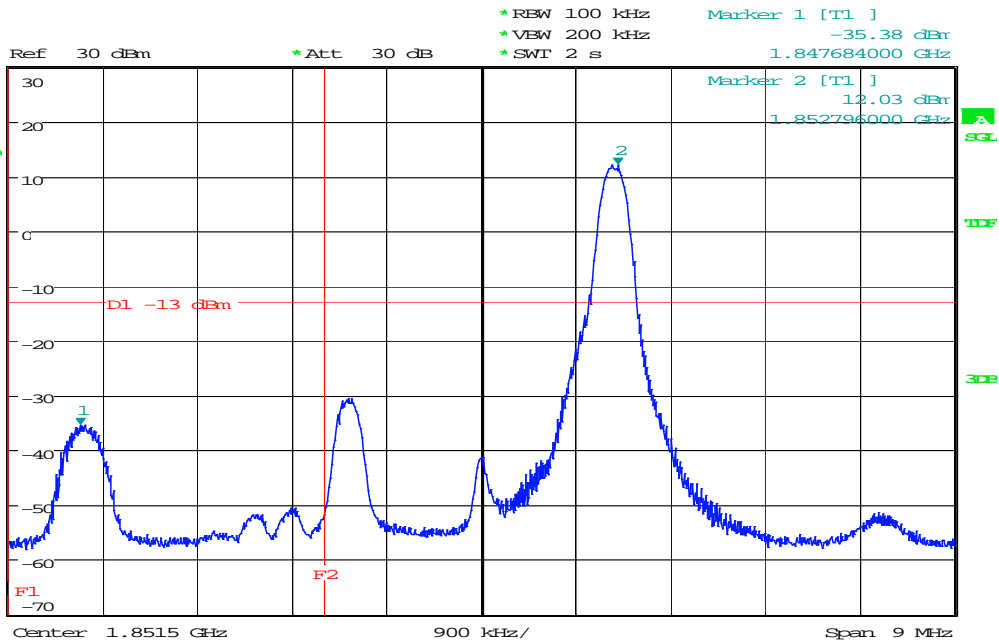
BAND2-1851.5MHz,Q16-8RB_LOW@Pass

Report No.: FCC16053699-4
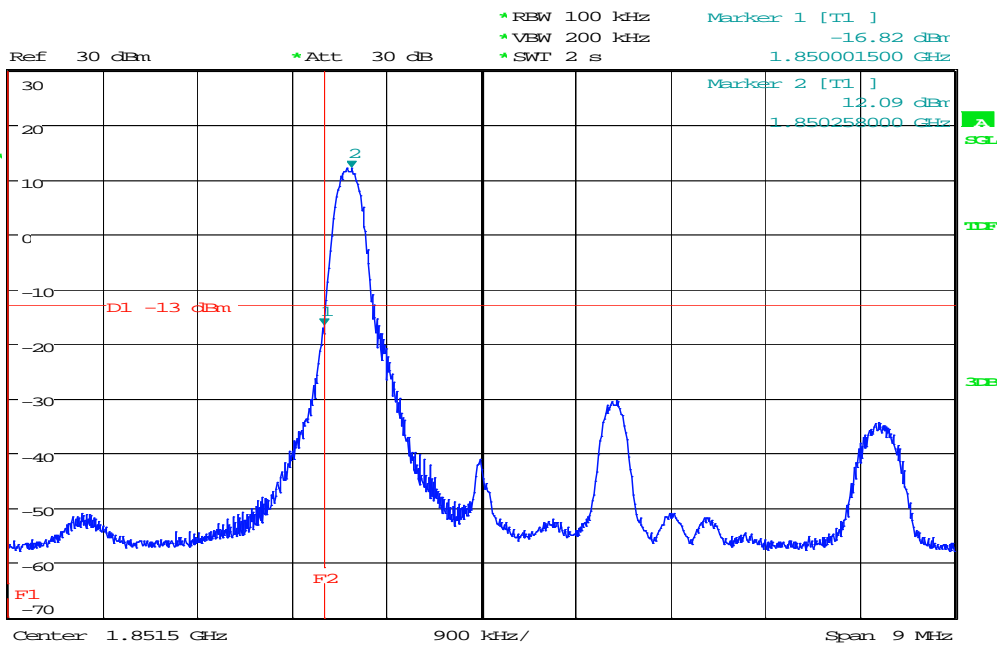
BAND2-1851.5MHz,Q16-8RB_HIGH@Pass
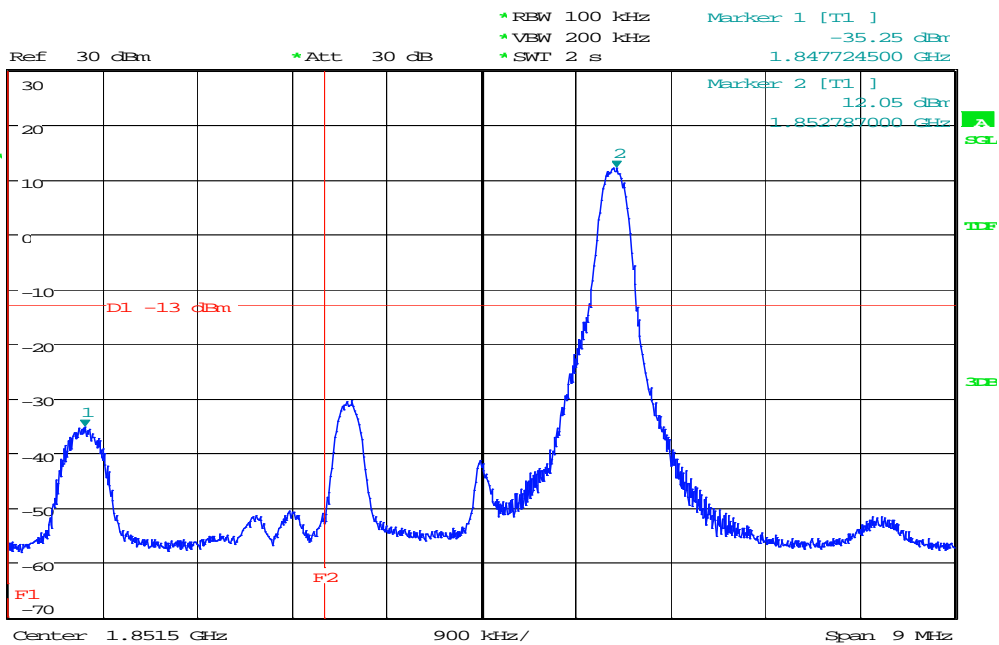
BAND2-1851.5MHz,Q16-15RB_LOW@Pass

Report No.: FCC16053699-4
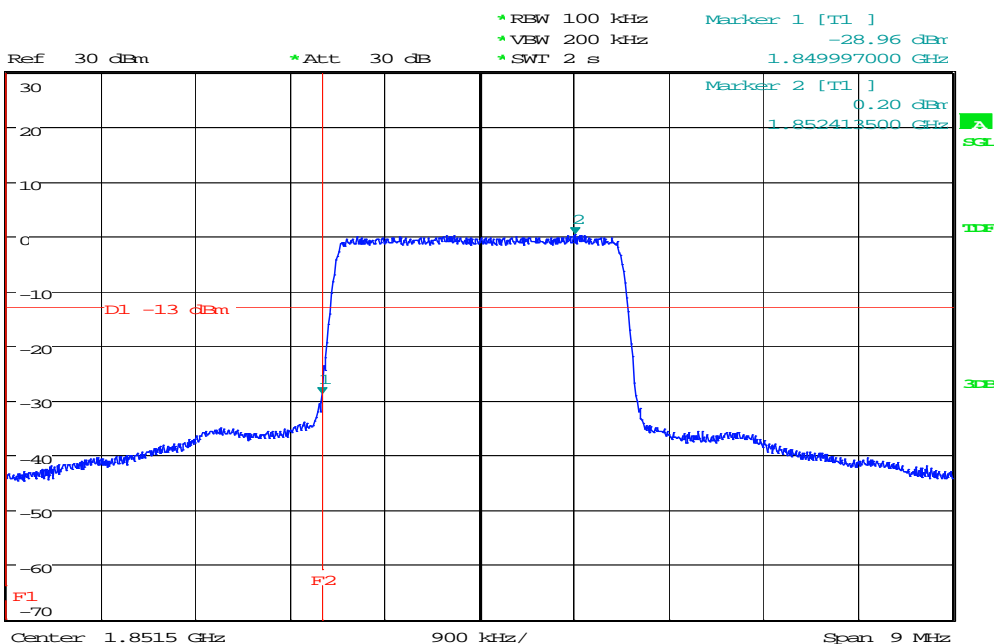
BAND2-1908.5MHz,QPSK-1RB_LOW@Pass
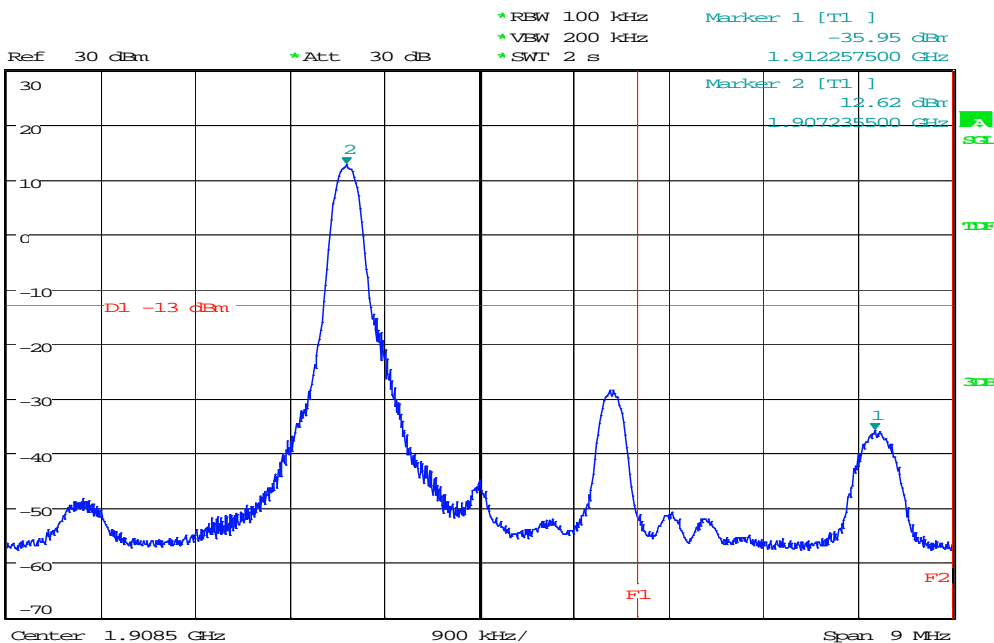
BAND2-1908.5MHz,QPSK-1RB_HIGH@Pass

Report No.: FCC16053699-4
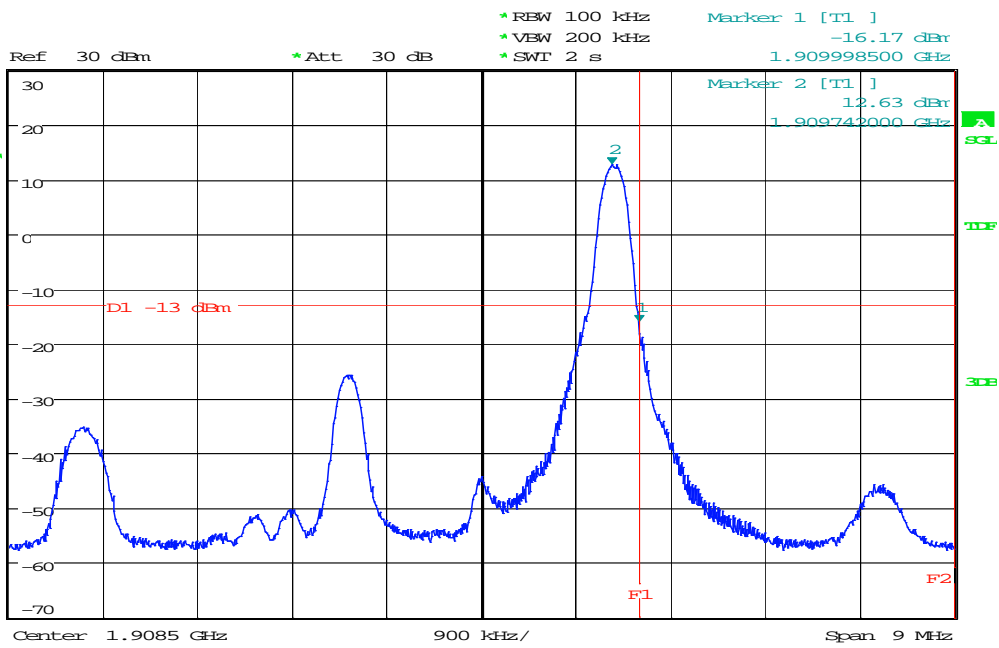
Date: 16.JUN.2016 10:14:00

BAND2-1908.5MHz,QPSK-8RB_LOW@Pass
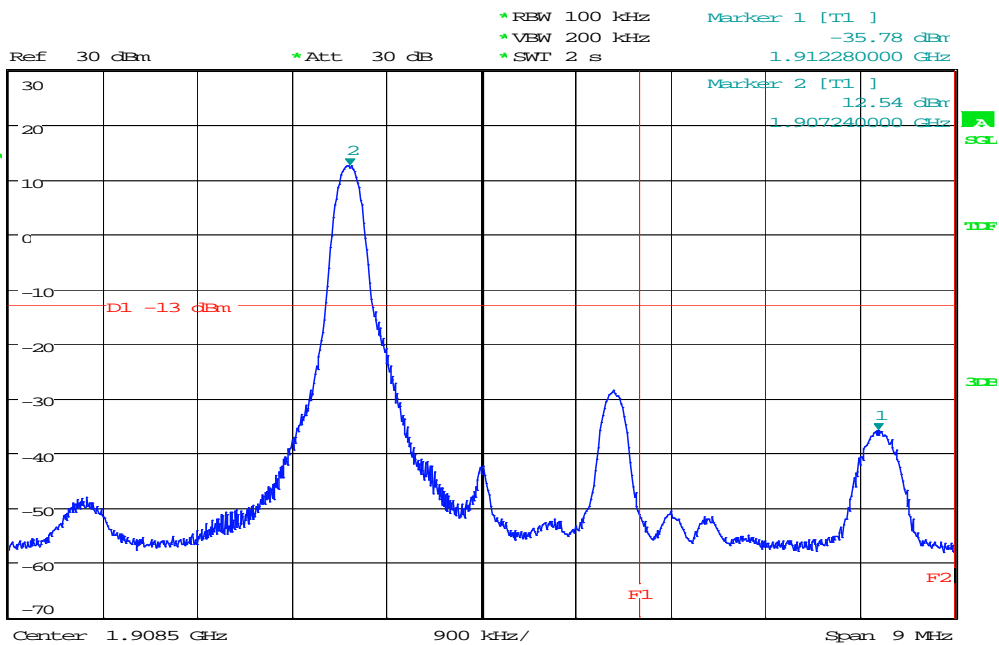
Date: 16.JUN.2016 10:14:12

BAND2-1908.5MHz,QPSK-8RB_HIGH@Pass

Report No.: FCC16053699-4
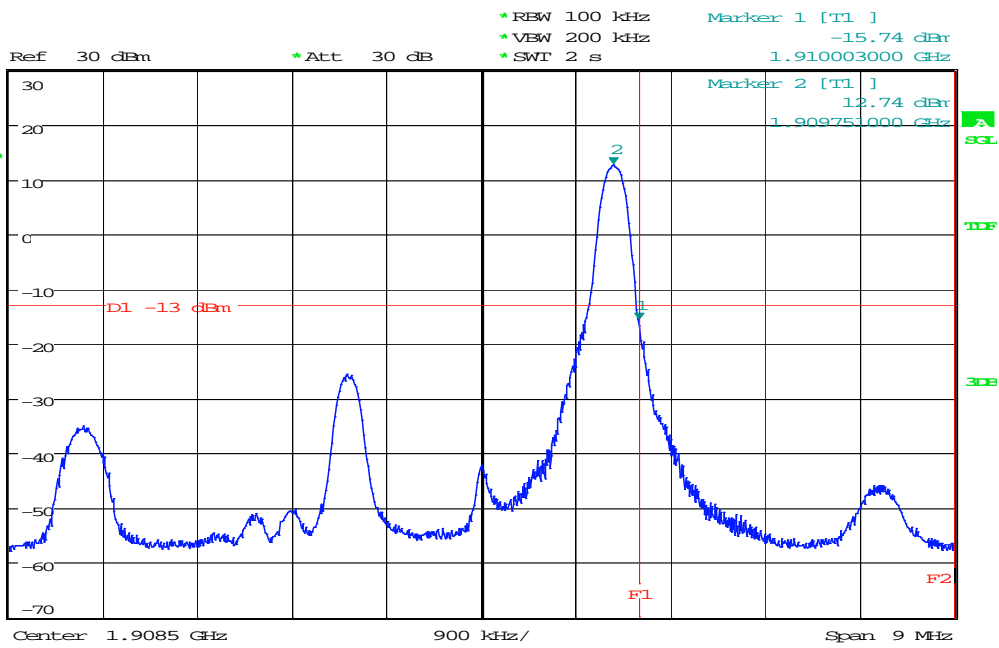
BAND2-1908.5MHz,QPSK-15RB_LOW @Pass
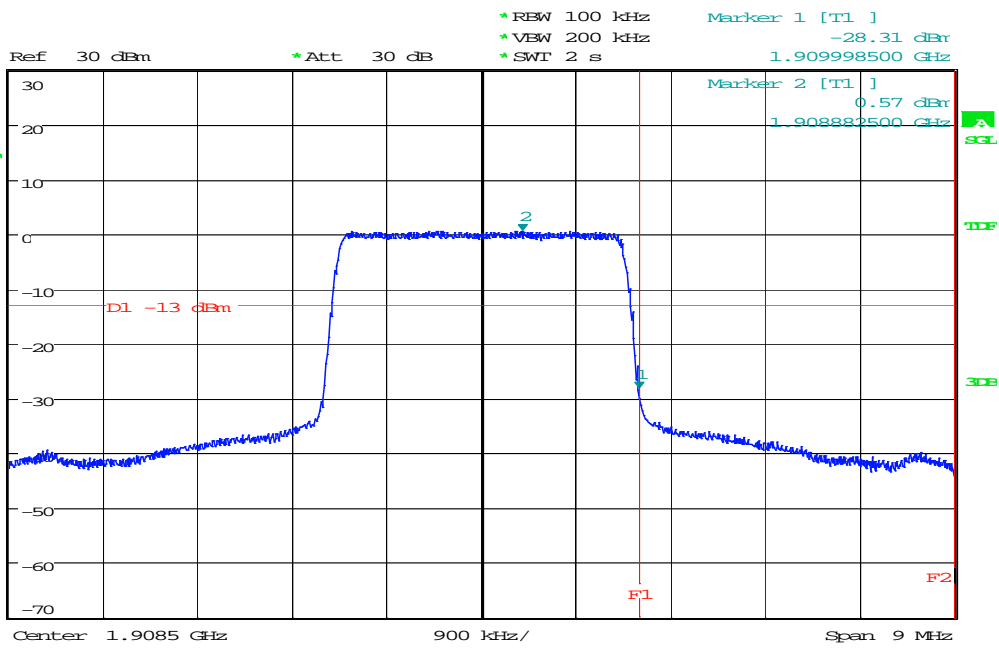
BAND2-1908.5MHz,Q16-1RB_LOW @Pass
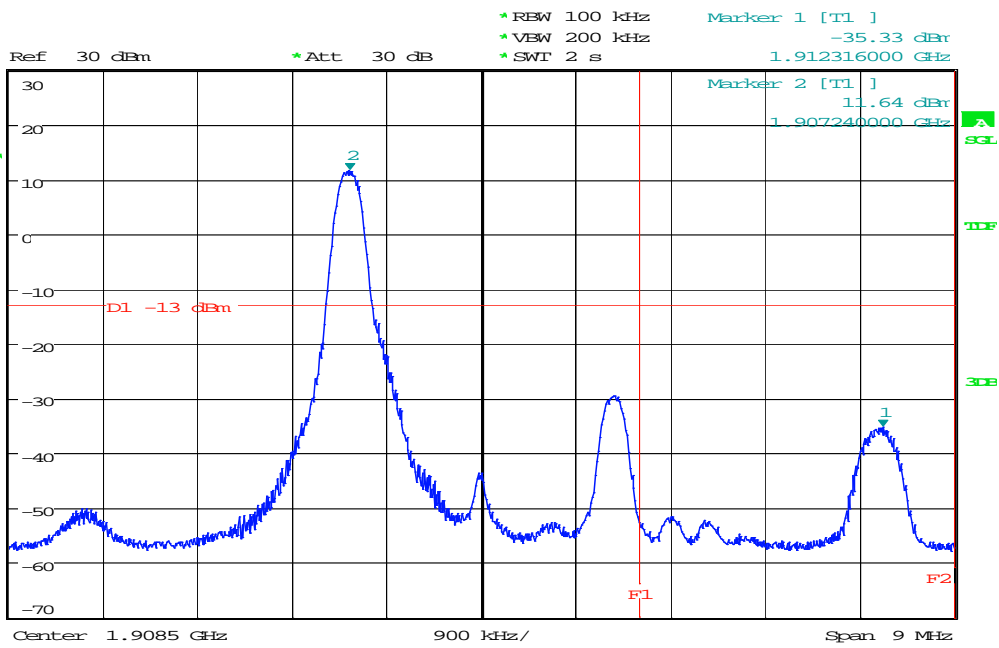
Report No.: FCC16053699-4

BAND2-1908.5MHz,Q16-1RB_HIGH@Pass

BAND2-1908.5MHz,Q16-8RB_LOW@Pass

Report No.: FCC16053699-4

Ref 30 dBm   *Att 30 dB

*RBW 100 kHz
*VBW 200 kHz
*SWT 2 s

Marker 1 [T1]
-35.39 dBm
1.912316000 GHz

Marker 2 [T1]
11.43 dBm
1.907240000 GHz

Center 1.9085 GHz   900 kHz/   Span 9 MHz
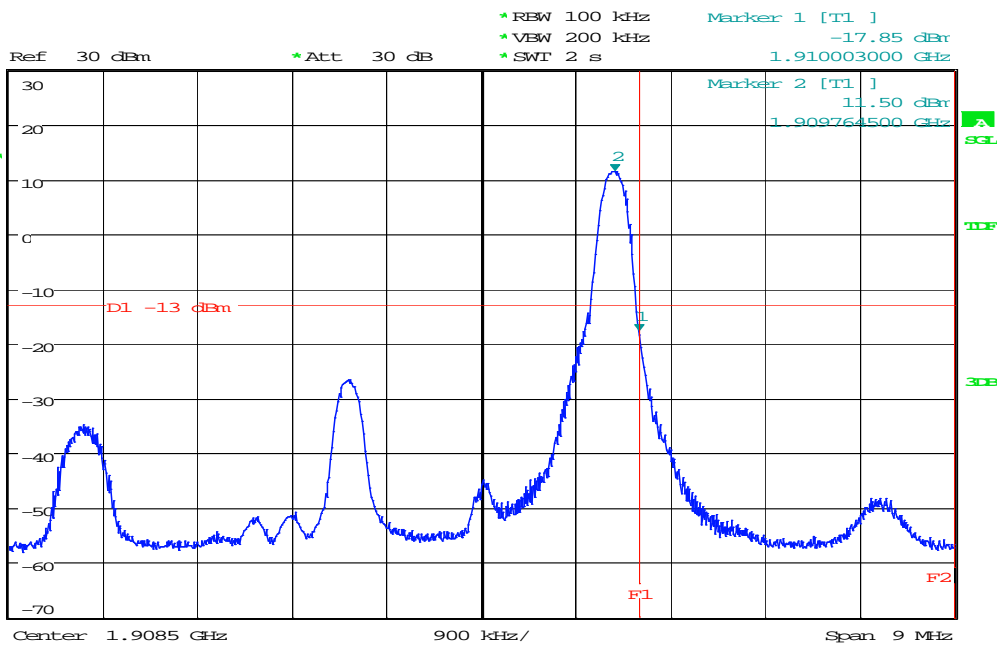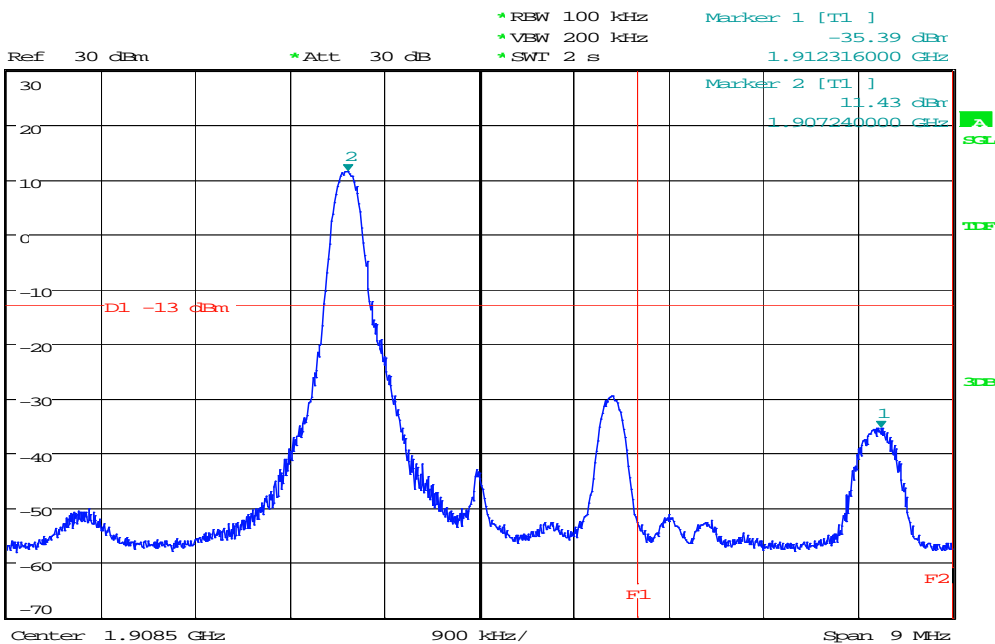
Date: 16.JUN.2016   10:15:05

BAND2-1908.5MHz,Q16-8RB_HIGH@Pass

Ref 30 dBm   *Att 30 dB

*RBW 100 kHz
*VBW 200 kHz
*SWT 2 s

Marker 1 [T1]
-16.93 dBm
1.909998500 GHz

Marker 2 [T1]
11.48 dBm
1.909769000 GHz

Center 1.9085 GHz   900 kHz/   Span 9 MHz
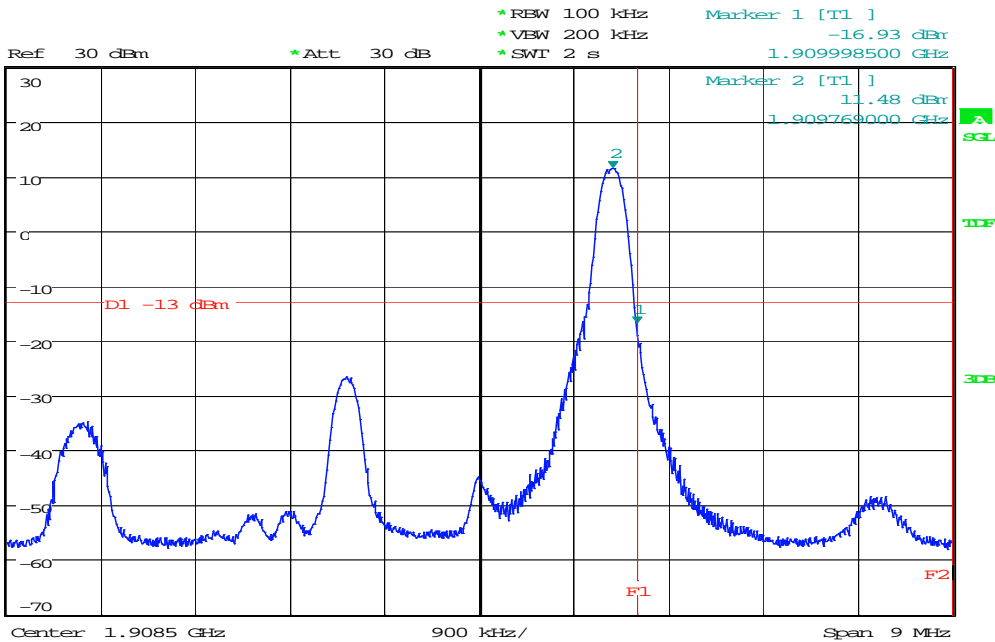
Date: 16.JUN.2016   10:15:15

BAND2-1908.5MHz,Q16-15RB_LOW@Pass
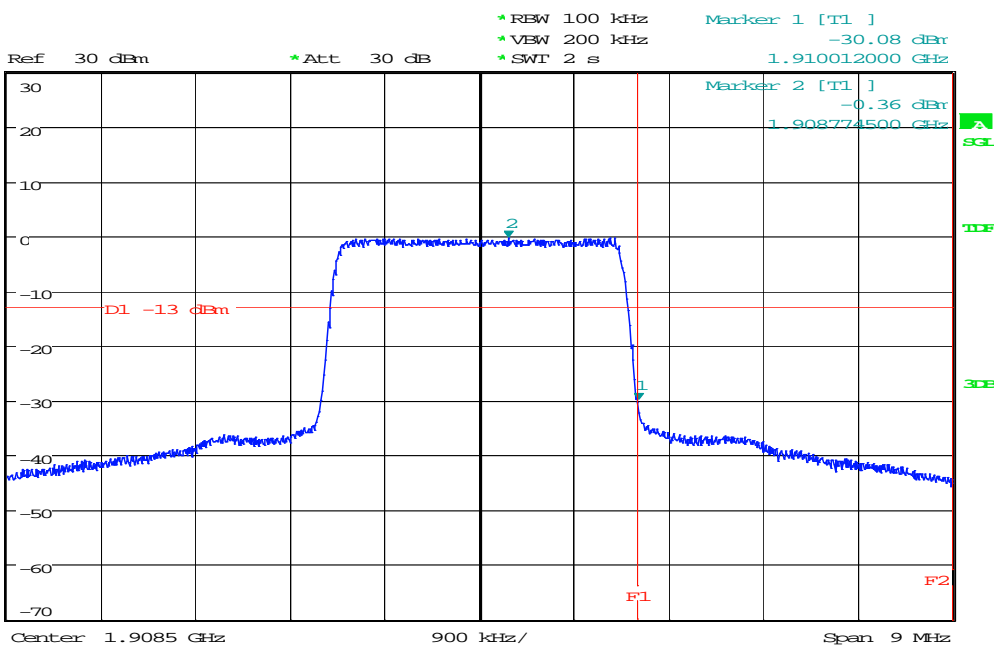
Report No.: FCC16053699-4

BAND2-1852.5MHz,QPSK-1RB_LOW@Pass
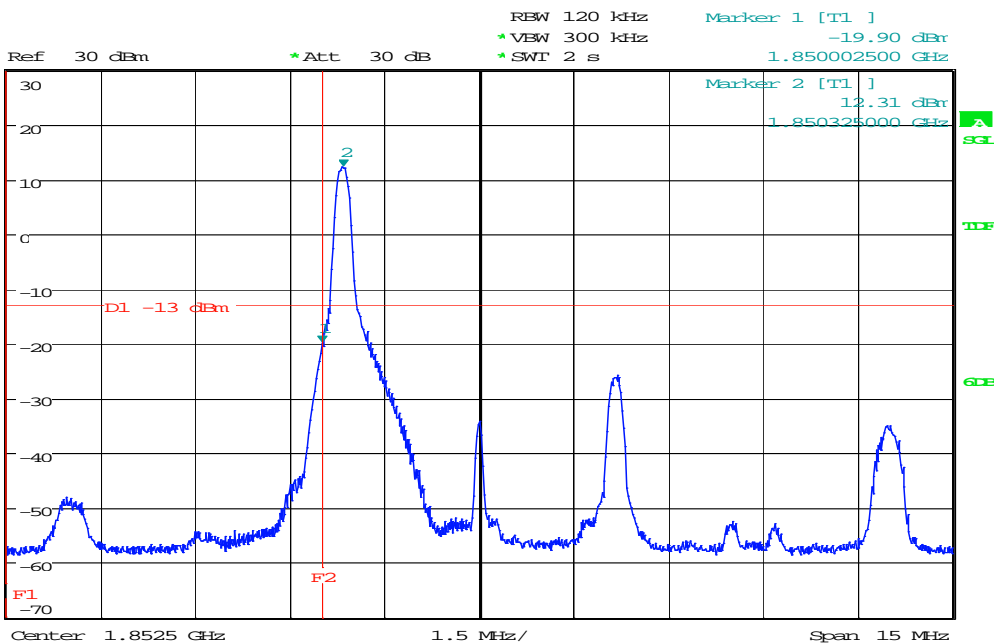
BAND2-1852.5MHz,QPSK-1RB_HIGH@Pass

Report No.: FCC16053699-4
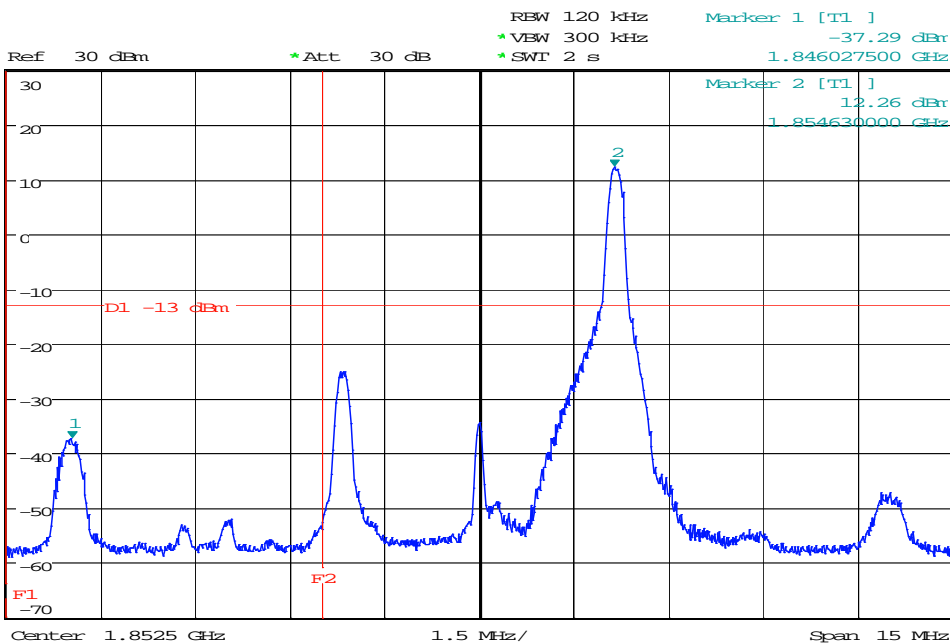
BAND2-1852.5MHz, QPSK-12RB_LOW @Pass
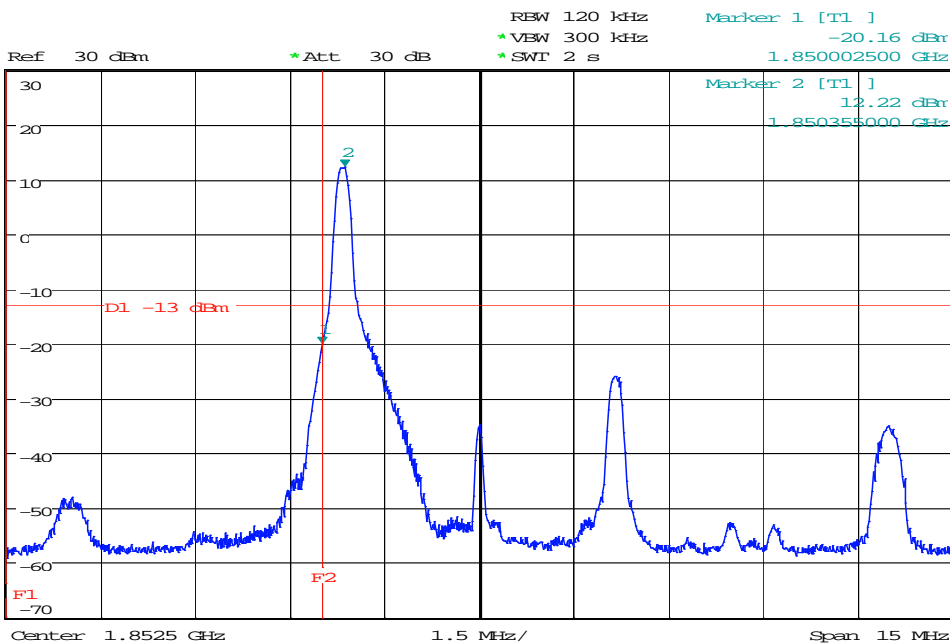
BAND2-1852.5MHz, QPSK-12RB_HIGH @Pass

Report No.: FCC16053699-4
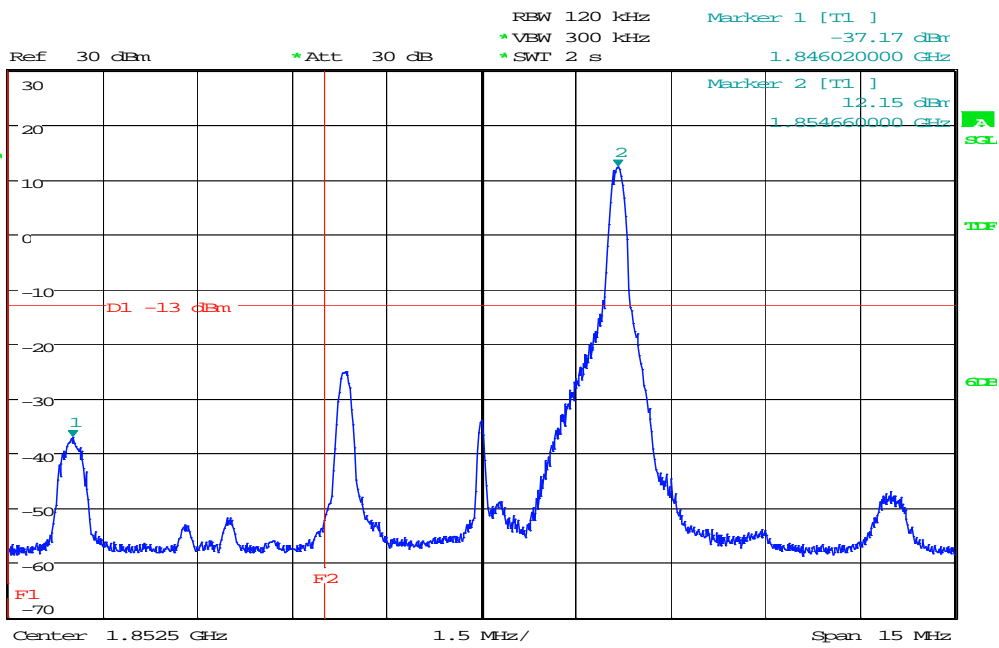
BAND2-1852.5MHz,QPSK-25RB_LOW @Pass
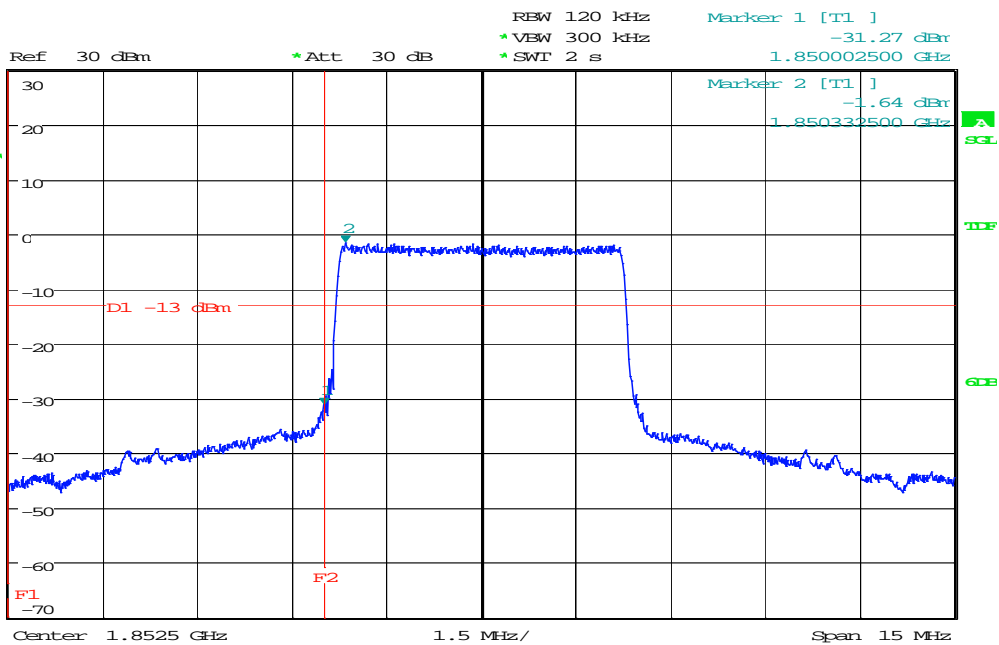
BAND2-1852.5MHz,Q16-1RB_LOW @Pass

Report No.: FCC16053699-4

BAND2-1852.5MHz,Q16-1RB_HIGH@Pass

BAND2-1852.5MHz,Q16-12RB_LOW@Pass

Report No.: FCC16053699-4

RBW 120 kHz   Marker 1 [T1]
VBW 300 kHz   −20.74 dBm
SWT 2 s   1.850002500 GHz
Marker 2 [T1]
11.59 dBm
1.850340000 GHz

Ref 30 dBm   *Att 30 dB
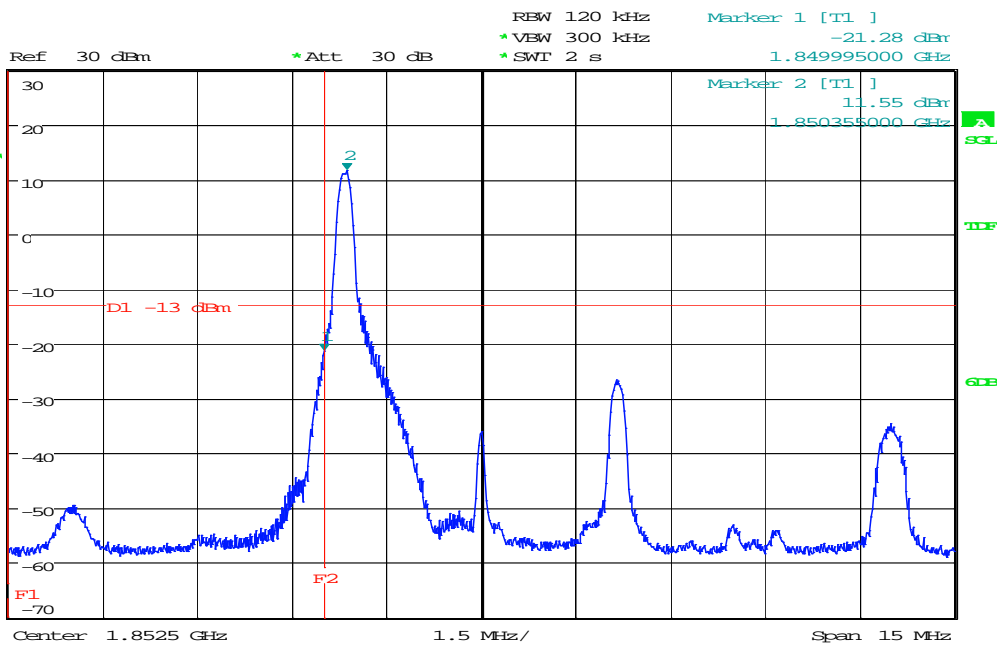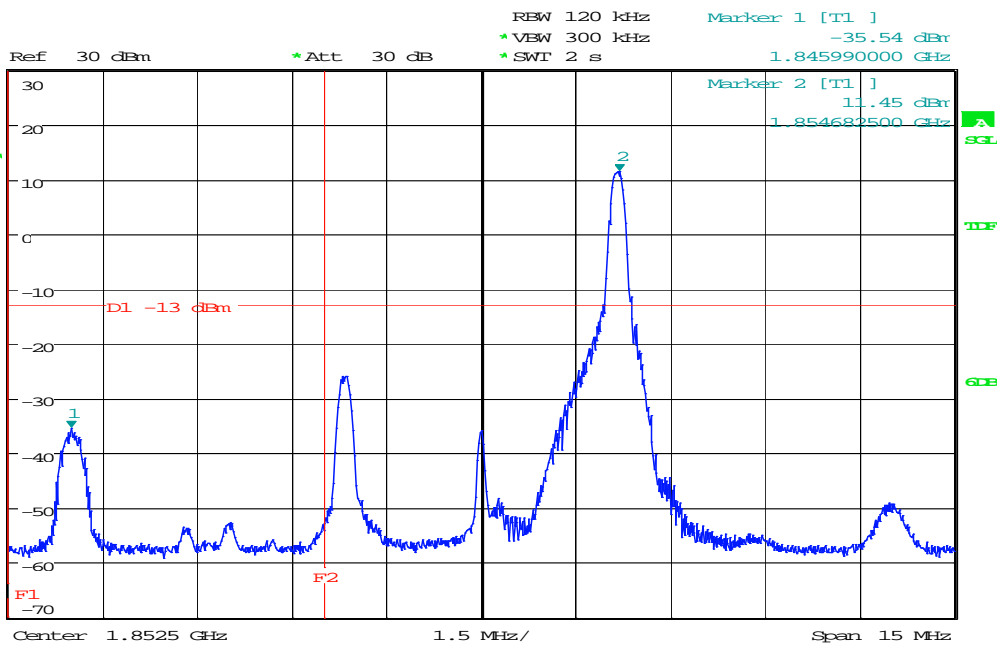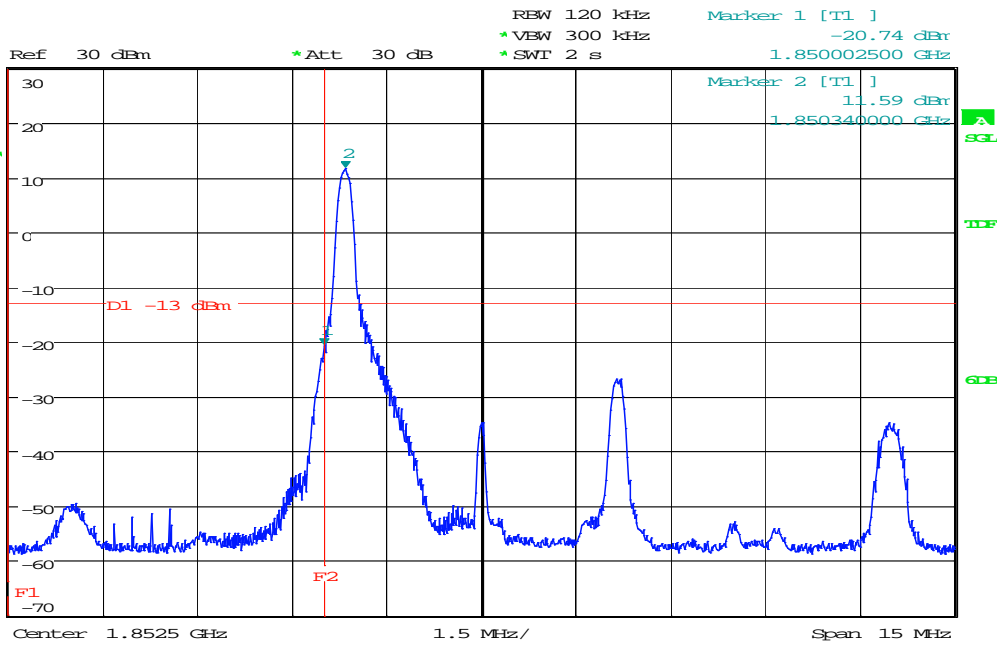
Date: 16.JUN.2016   10:16:54

BAND2-1852.5MHz,Q16-12RB_HIGH@Pass

RBW 120 kHz   Marker 1 [T1]
VBW 300 kHz   −36.04 dBm
SWT 2 s   1.846012500 GHz
Marker 2 [T1]
11.63 dBm
1.854675000 GHz

Ref 30 dBm   *Att 30 dB
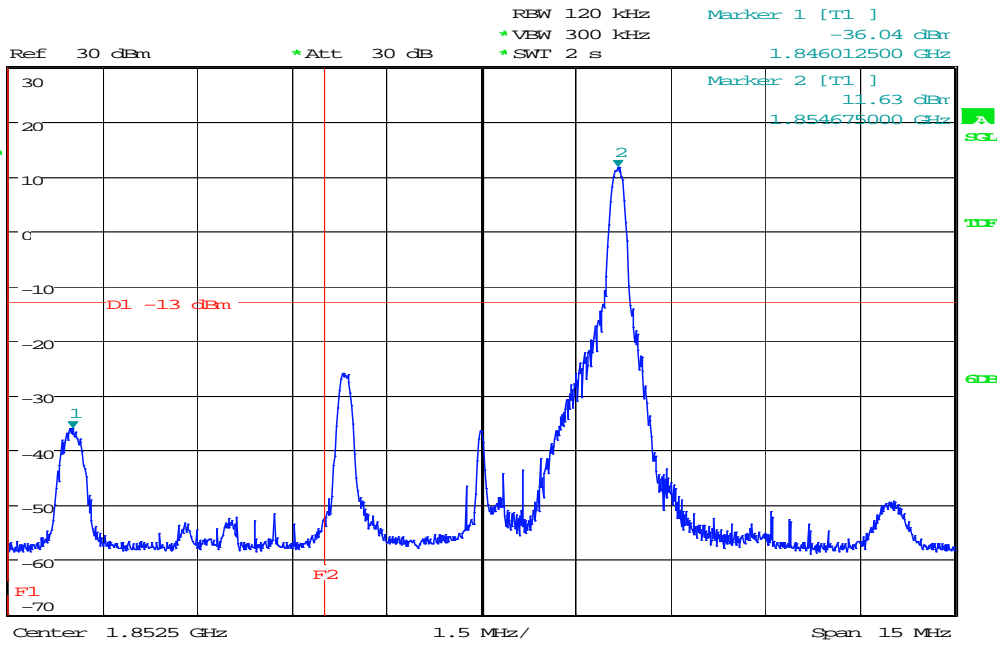
Date: 16.JUN.2016   10:17:04

BAND2-1852.5MHz,Q16-25RB_LOW@Pass

Report No.: FCC16053699-4
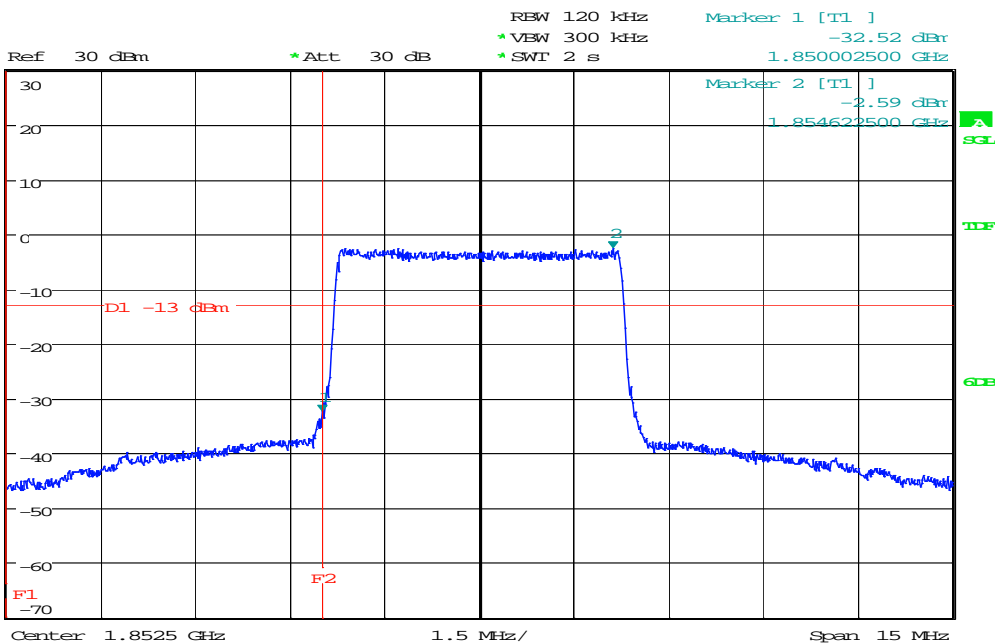
Date: 16.JUN.2016 10:17:15

BAND2-1907.5MHz,QPSK-1RB_LOW@Pass
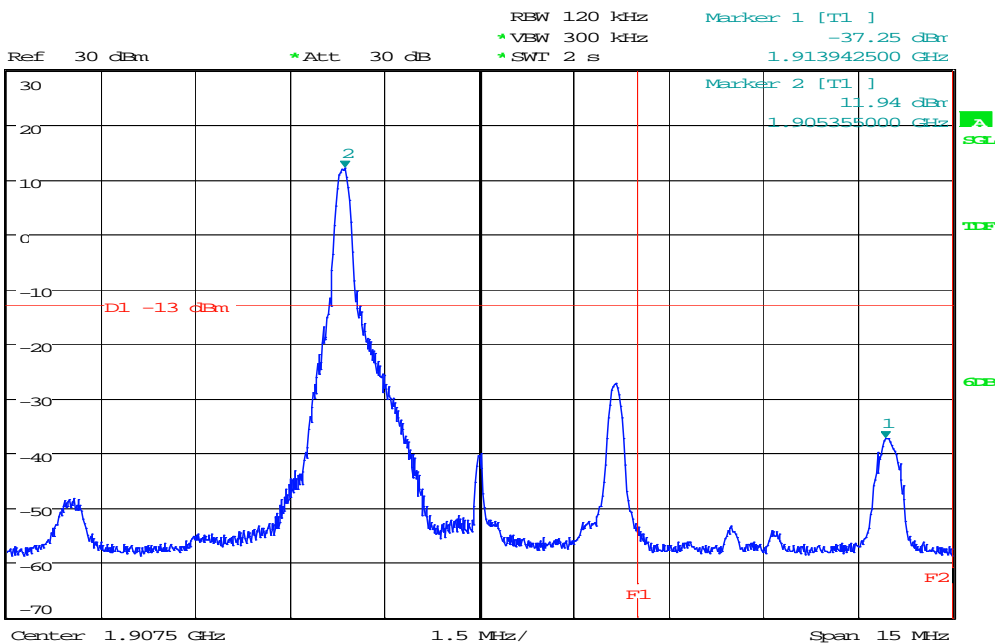
Date: 16.JUN.2016 10:17:27

BAND2-1907.5MHz,QPSK-1RB_HIGH@Pass

Report No.: FCC16053699-4
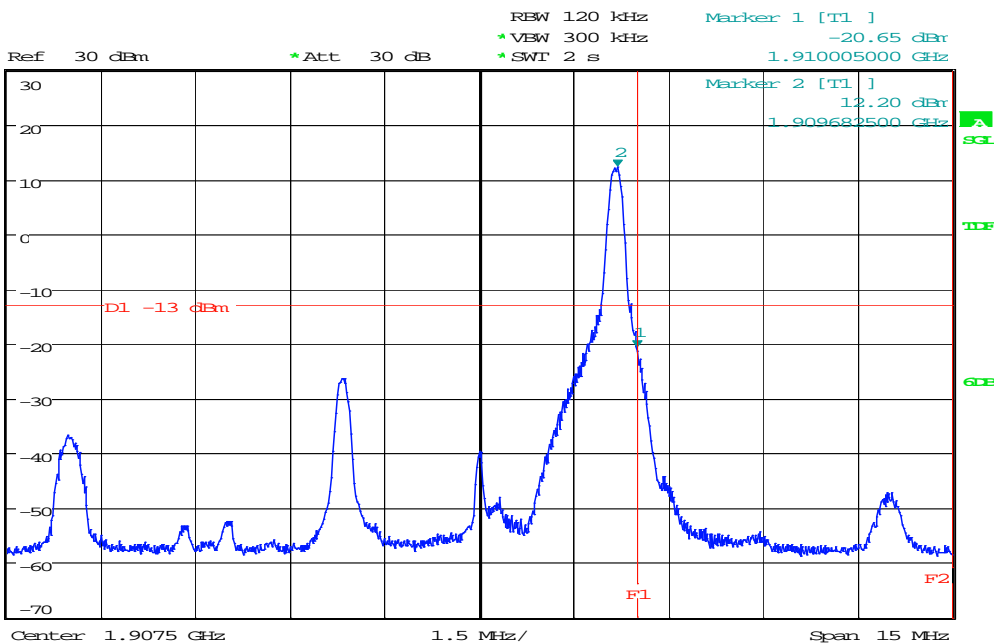
BAND2-1907.5MHz,QPSK-12RB_LOW@Pass
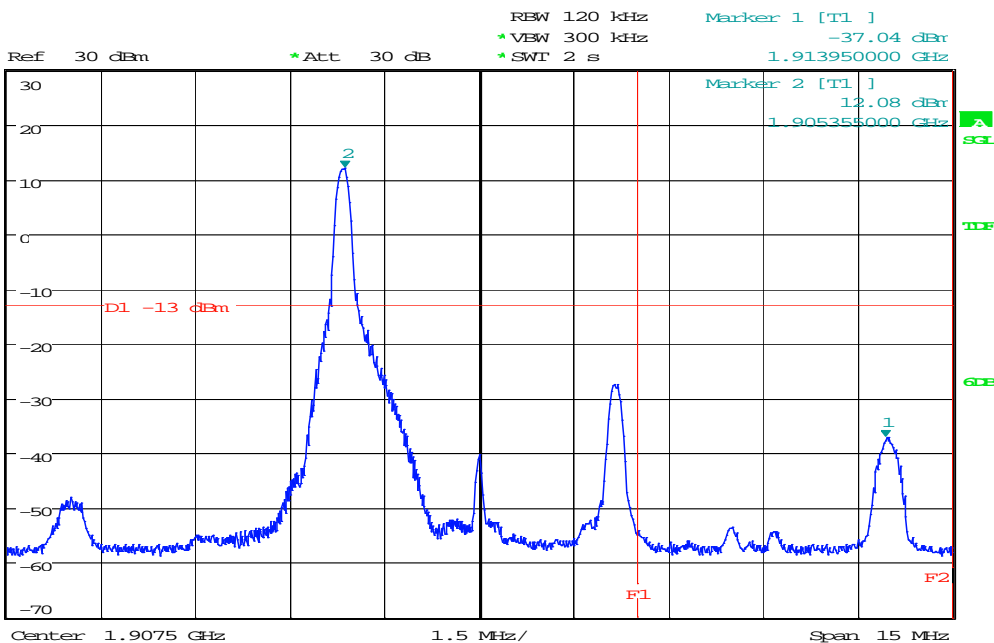
BAND2-1907.5MHz,QPSK-12RB_HIGH@Pass

Report No.: FCC16053699-4
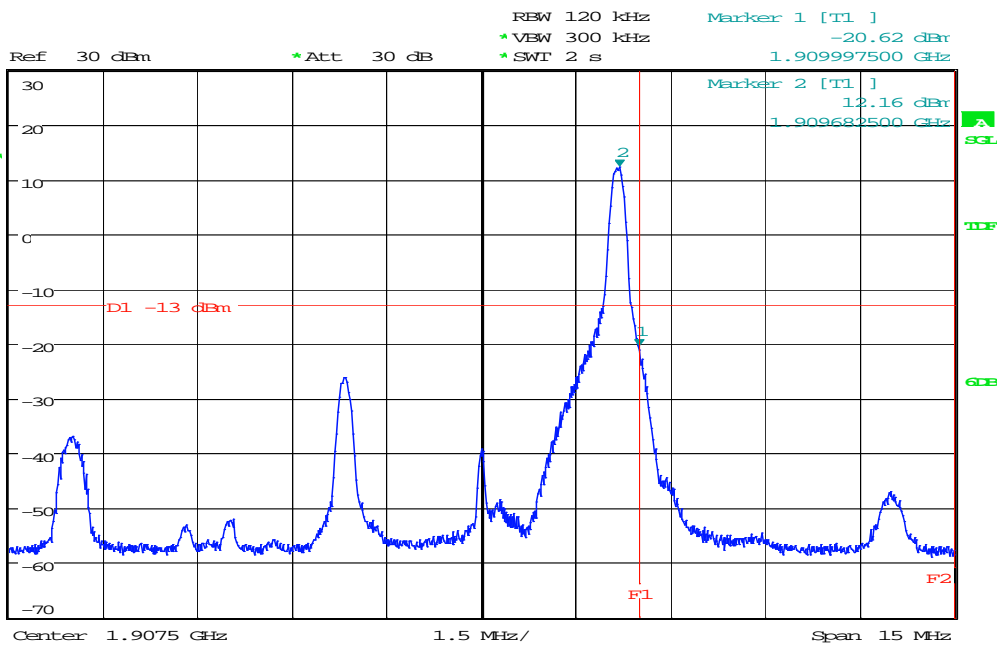
BAND2-1907.5MHz,QPSK-25RB_LOW@Pass
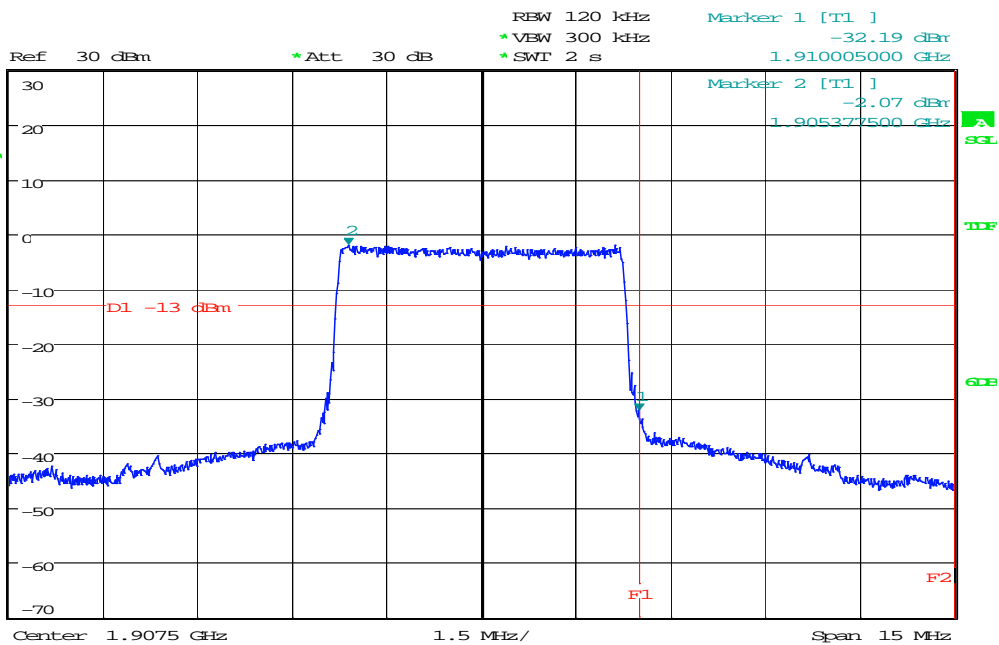
BAND2-1907.5MHz,Q16-1RB_LOW@Pass

Report No.: FCC16053699-4
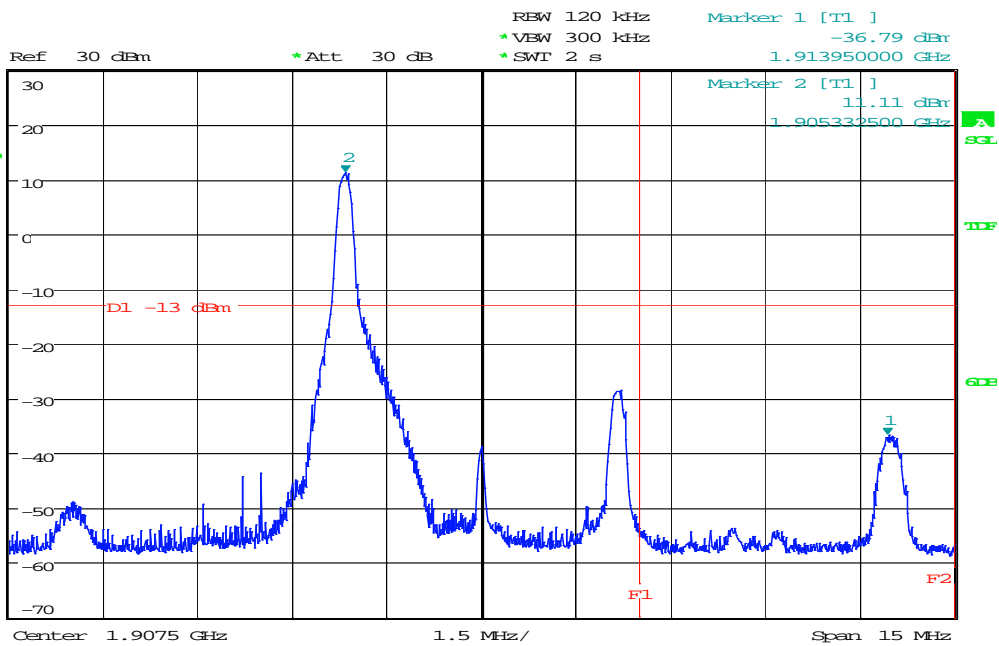
BAND2-1907.5MHz,Q16-1RB_HIGH@Pass

BAND2-1907.5MHz,Q16-12RB_LOW@Pass

RBW 120 kHz Marker 1 [T1]
* VBW 300 kHz   -36.79 dBm
* SWT 2 s   1.913995000 GHz

Ref 30 dBm   * Att 30 dB

Marker 2 [T1]
11.11 dBm
1.905317500 GHz

A
SGL

1 RM
AVG

TDF

6DB

D1 -13 dBm

F1   F2

Center 1.9075 GHz   1.5 MHz/   Span 15 MHz
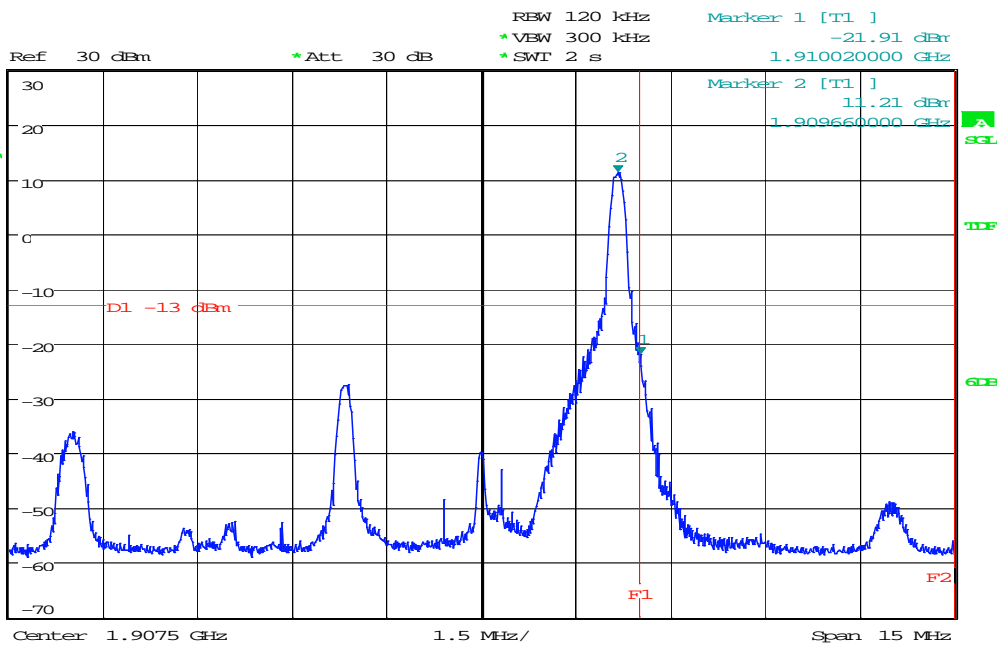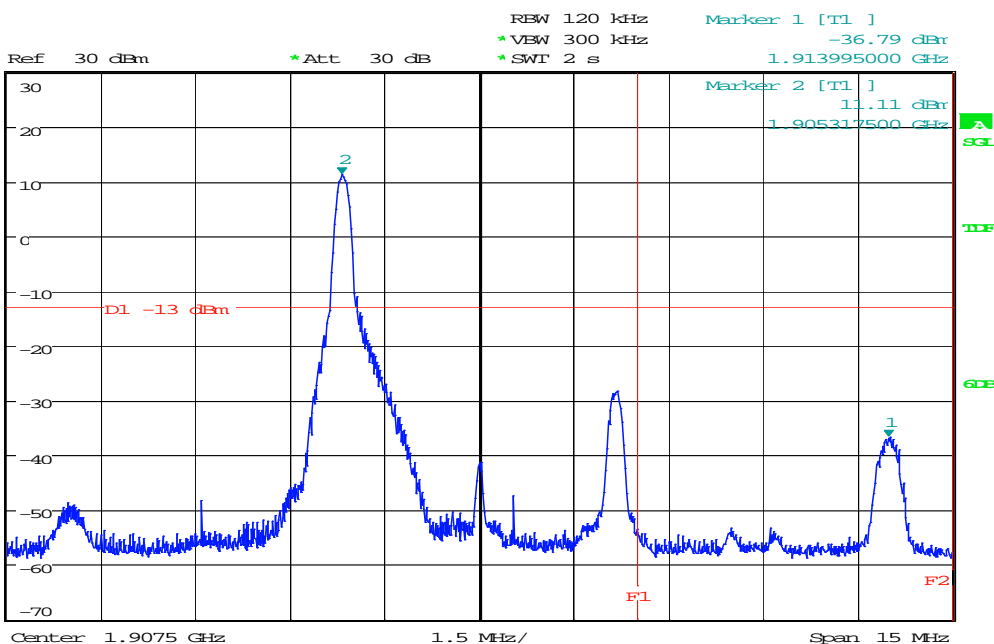
Date: 16.JUN.2016 10:18:43

BAND2-1907.5MHz,Q16-12RB_HIGH@Pass

RBW 120 kHz Marker 1 [T1]
* VBW 300 kHz   -21.39 dBm
* SWT 2 s   1.910027500 GHz

Ref 30 dBm   * Att 30 dB

Marker 2 [T1]
11.00 dBm
1.909652500 GHz

A
SGL

1 RM
AVG

TDF

6DB

D1 -13 dBm

F1   F2

Center 1.9075 GHz   1.5 MHz/   Span 15 MHz
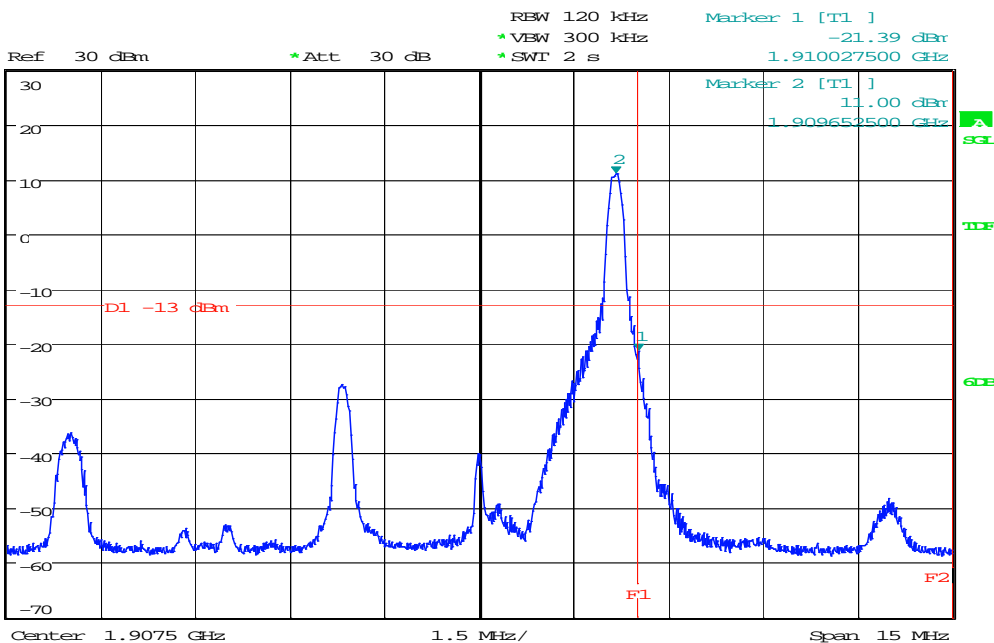
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BAND2-1907.5MHz,Q16-25RB_LOW@Pass

Report No.: FCC16053699-4
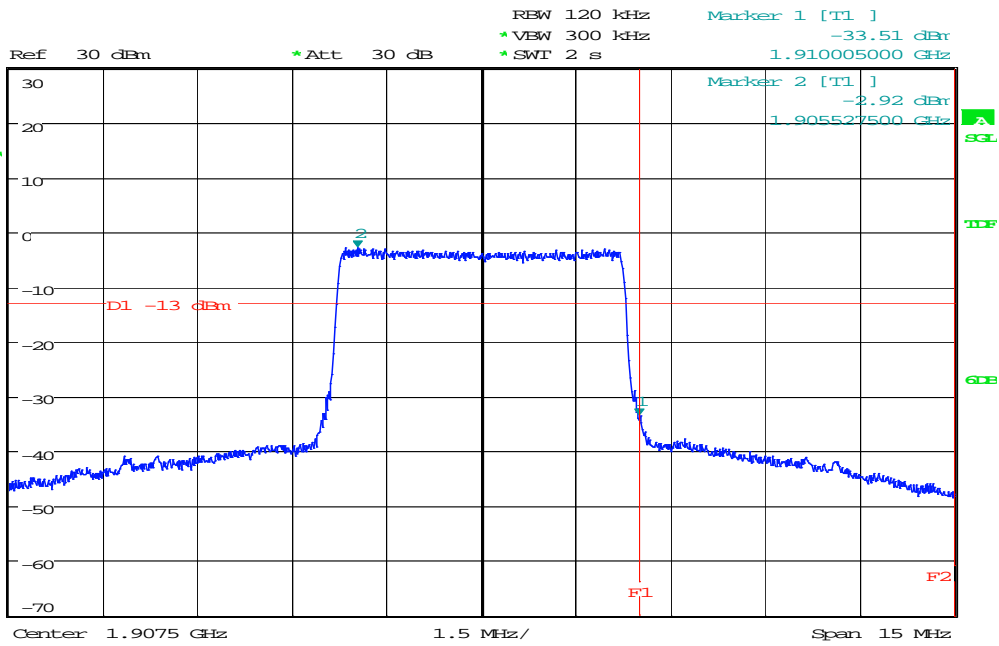
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BAND2-1855MHz,QPSK-1RB_LOW@Pass
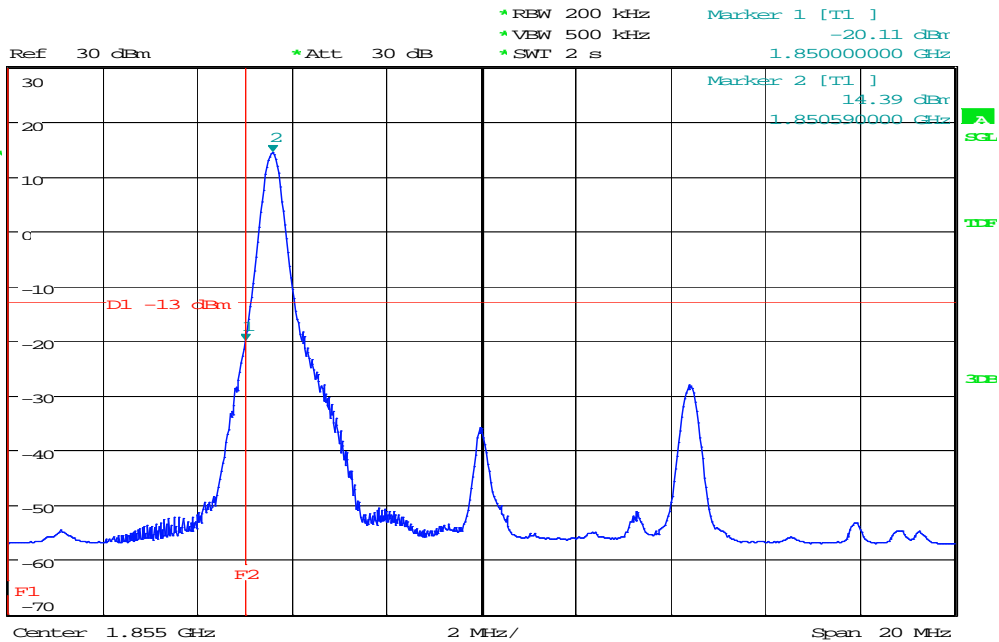
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BAND2-1855MHz,QPSK-1RB_HIGH@Pass

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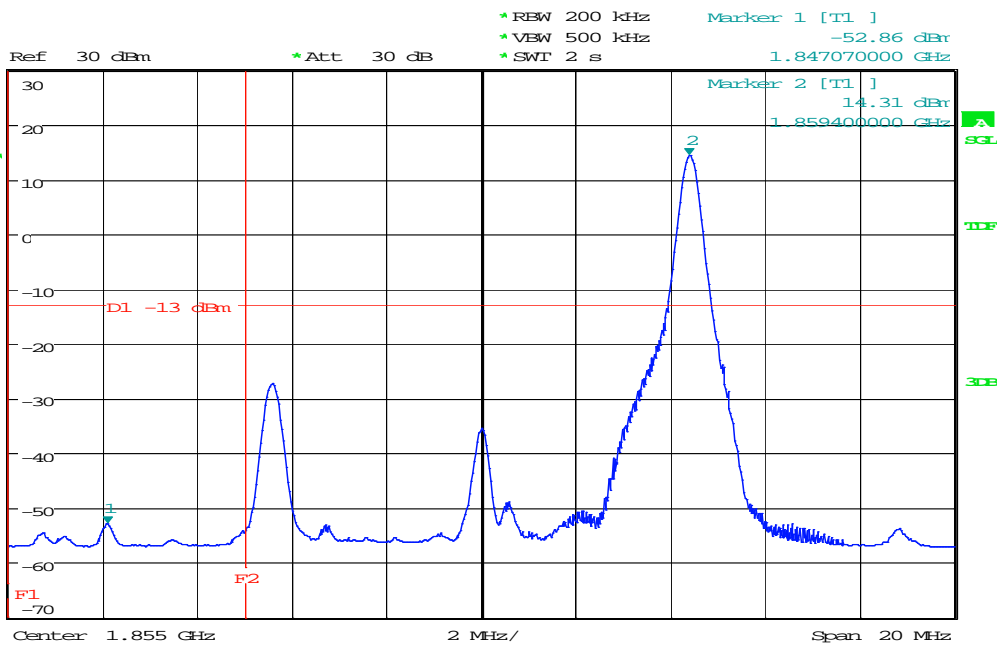
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BAND2-1855MHz,QPSK-25RB_LOW @Pass
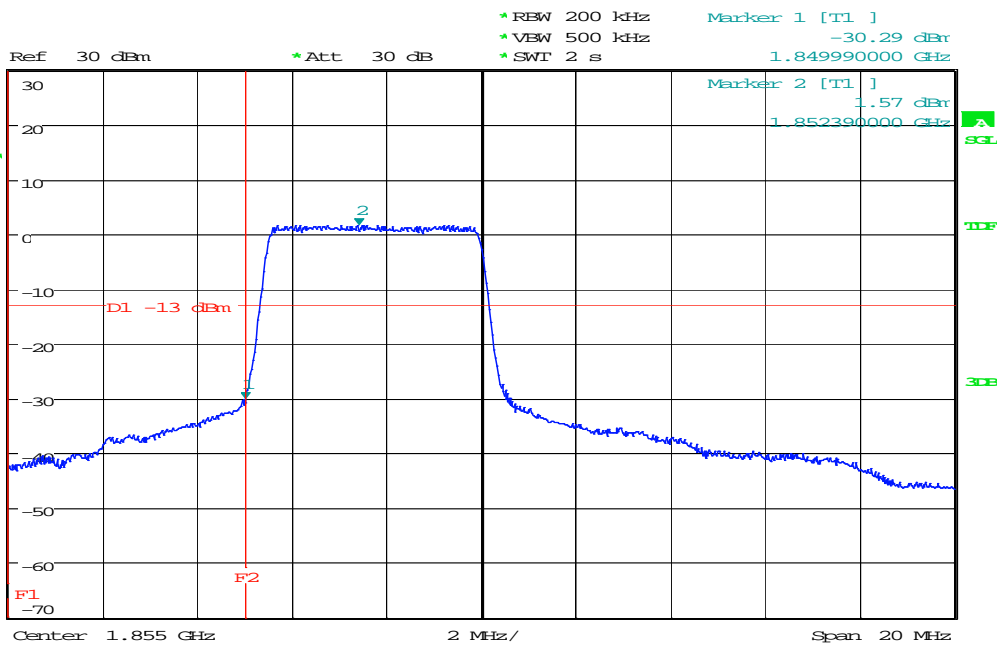
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BAND2-1855MHz,QPSK-25RB_HIGH@Pass

BAND2-1855MHz,QPSK-50RB_LOW @Pass
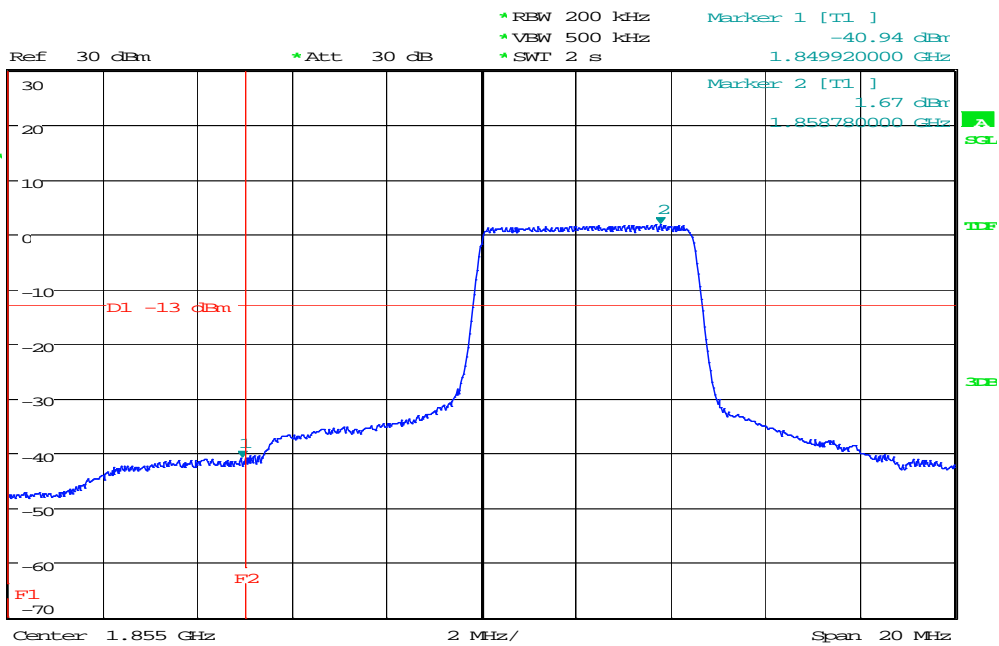
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BAND2-1855MHz,Q16-1RB_LOW @Pass
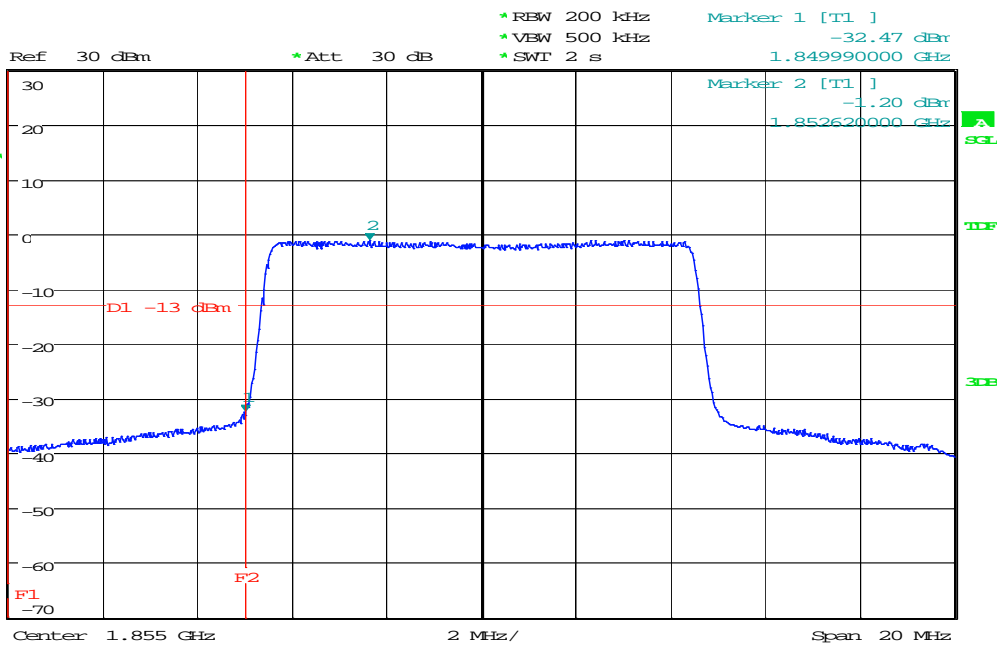
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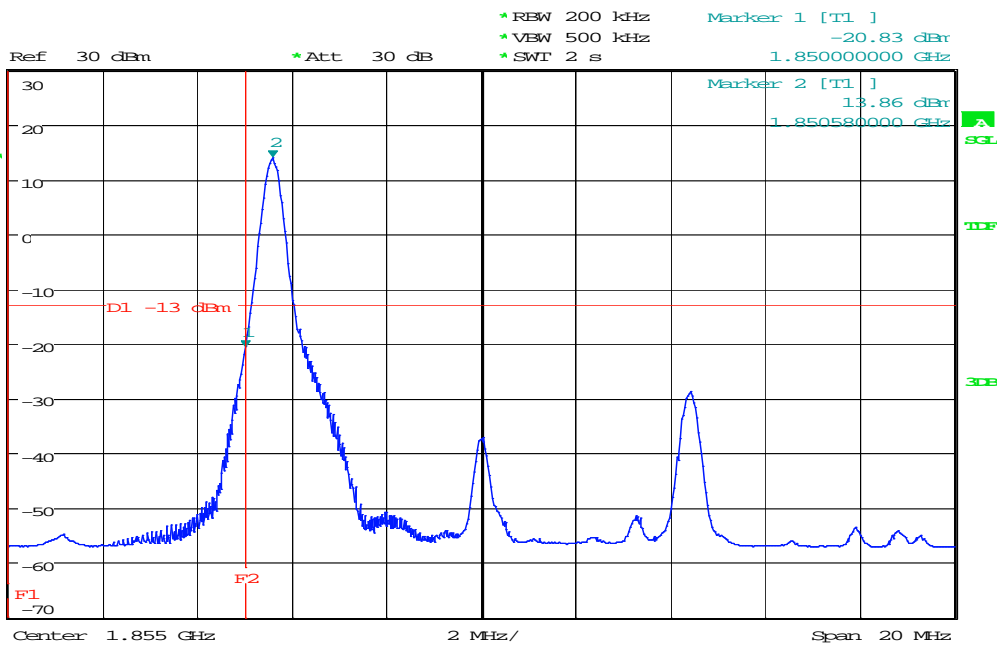
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BAND2-1855MHz,Q16-1RB_HIGH@Pass
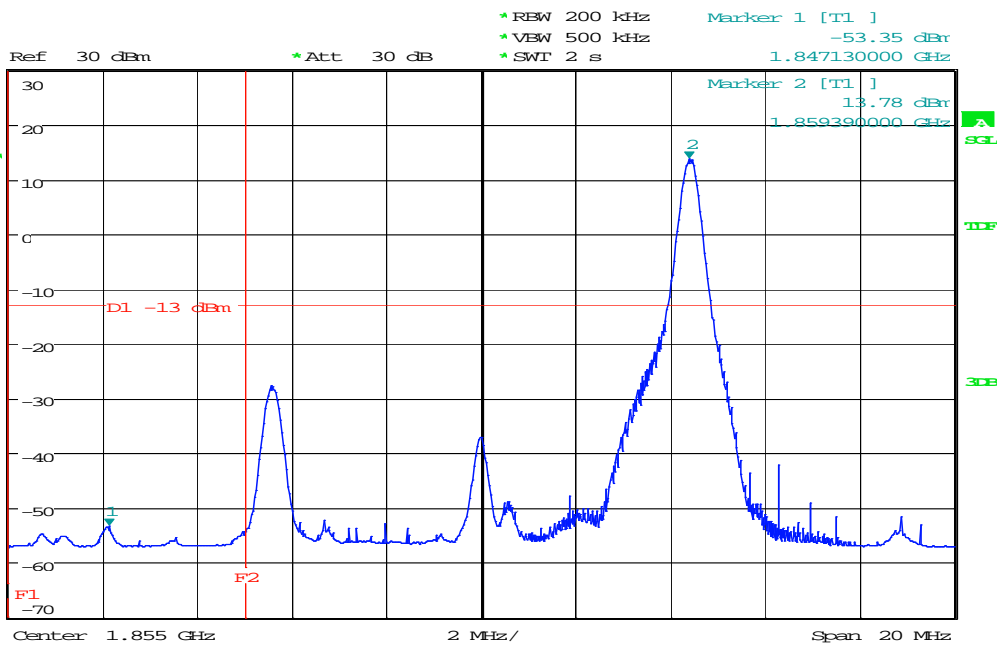
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BAND2-1855MHz,Q16-25RB_LOW@Pass

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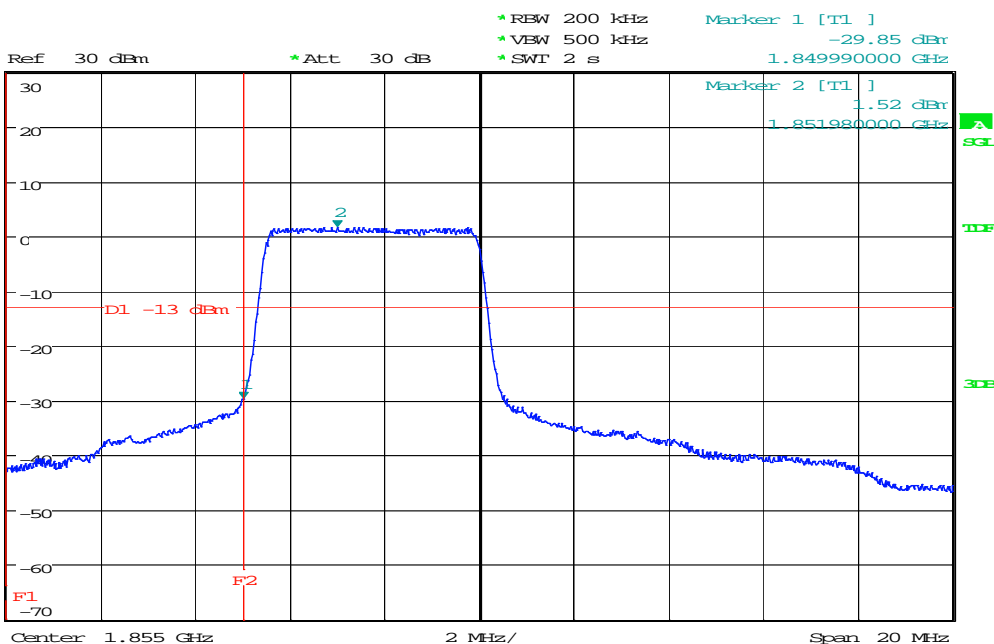
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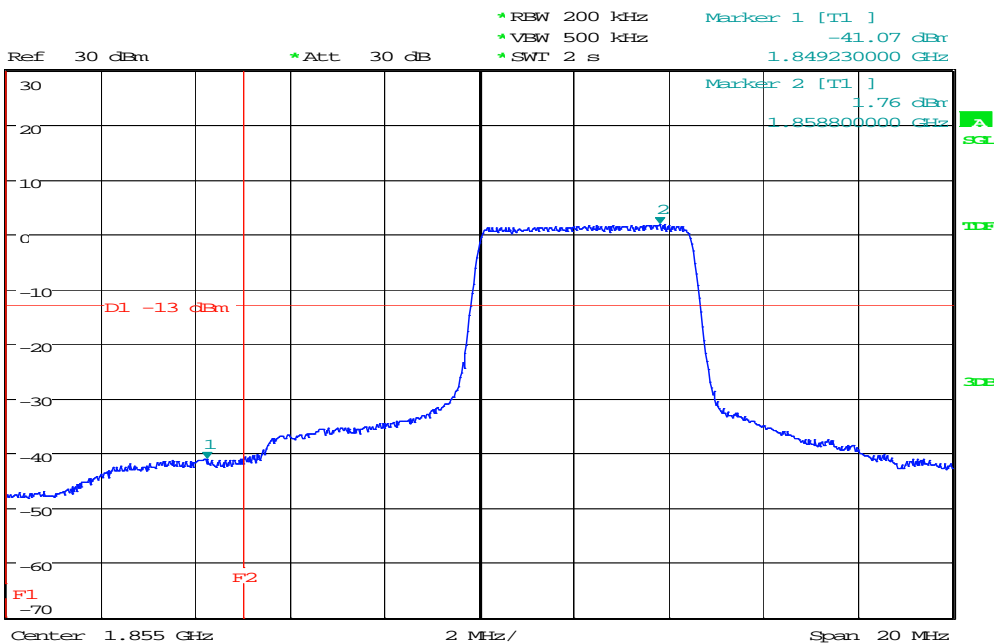
BAND2-1855MHz,Q16-50RB_LOW@Pass

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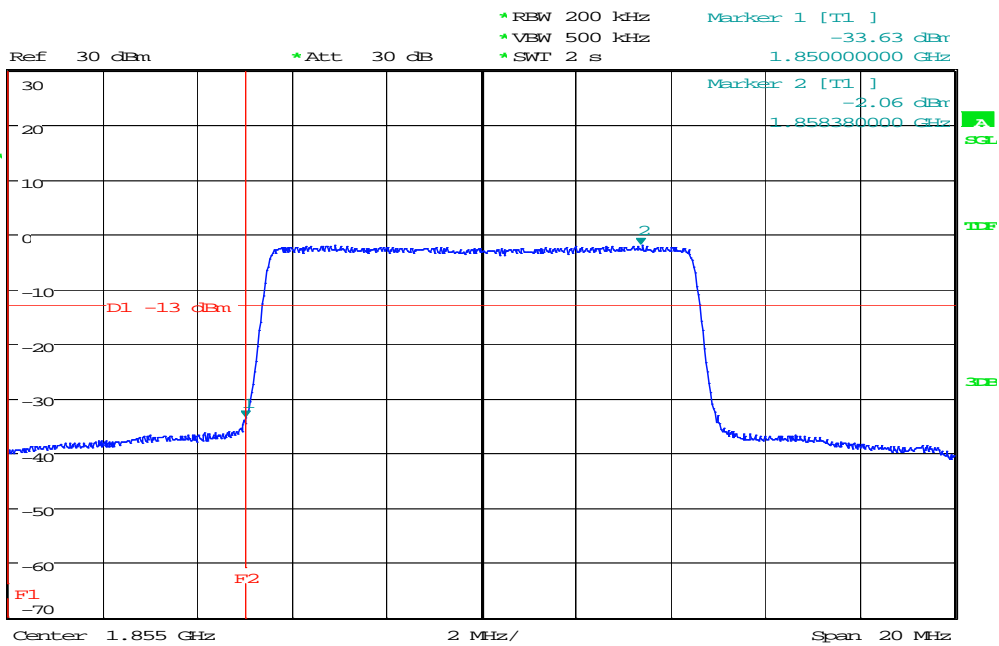
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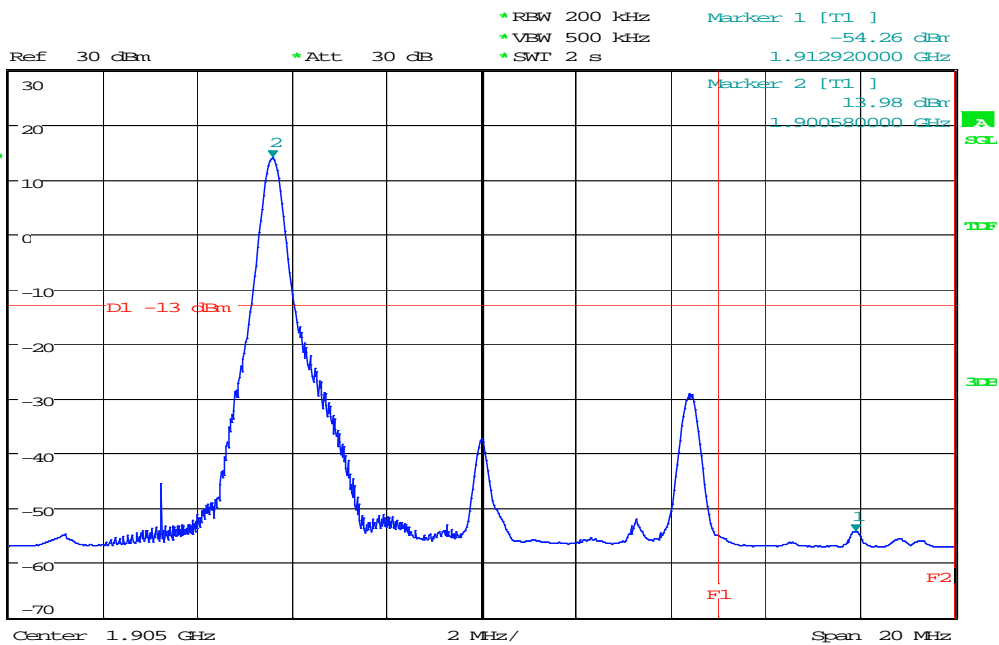
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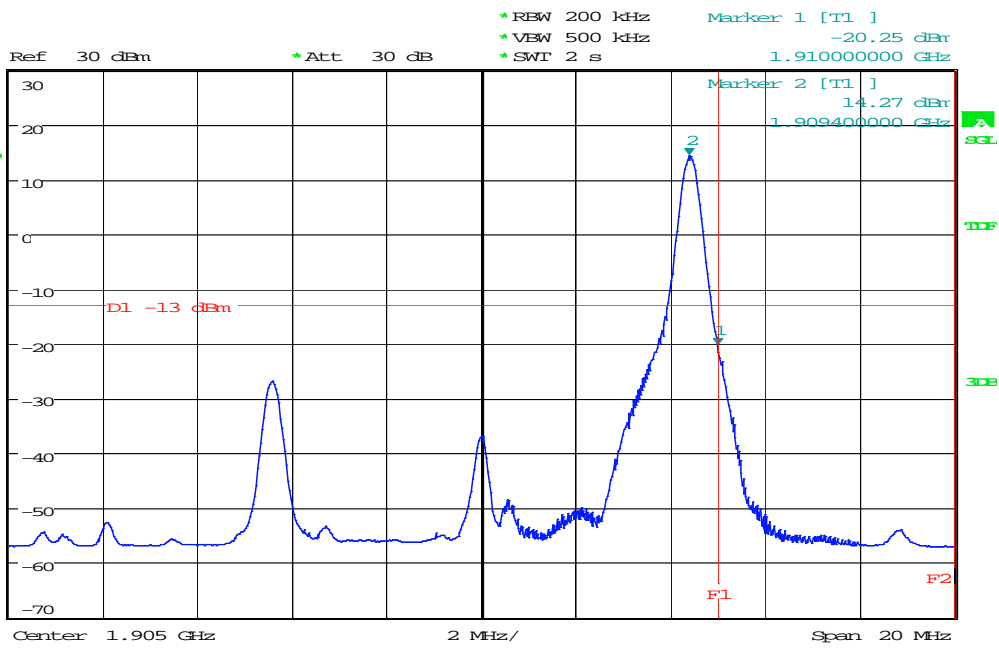
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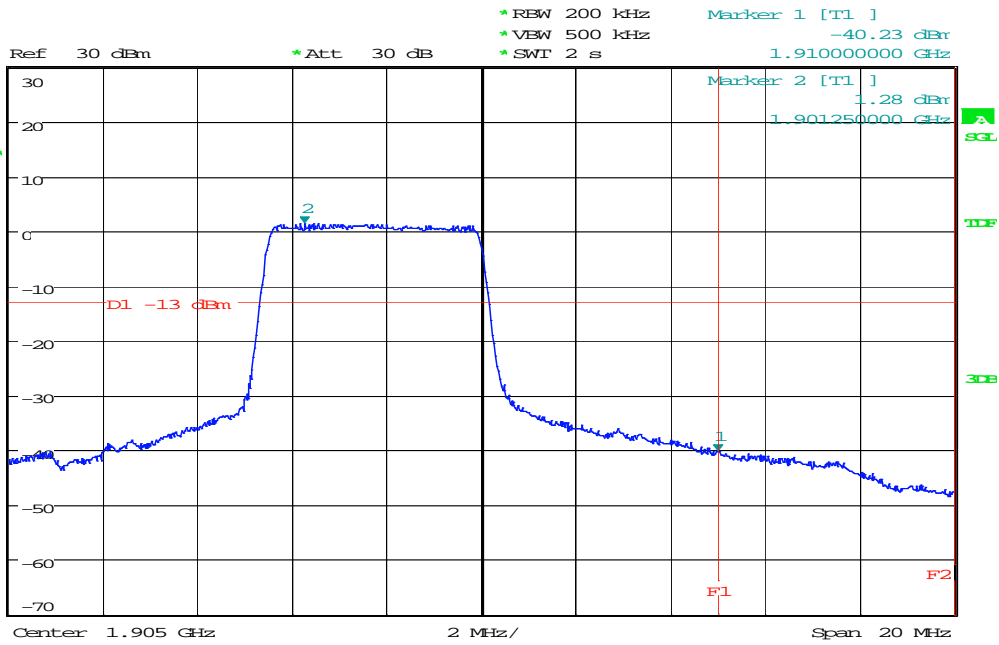
BAND2-1905MHz,QPSK-25RB_HIGH@Pass

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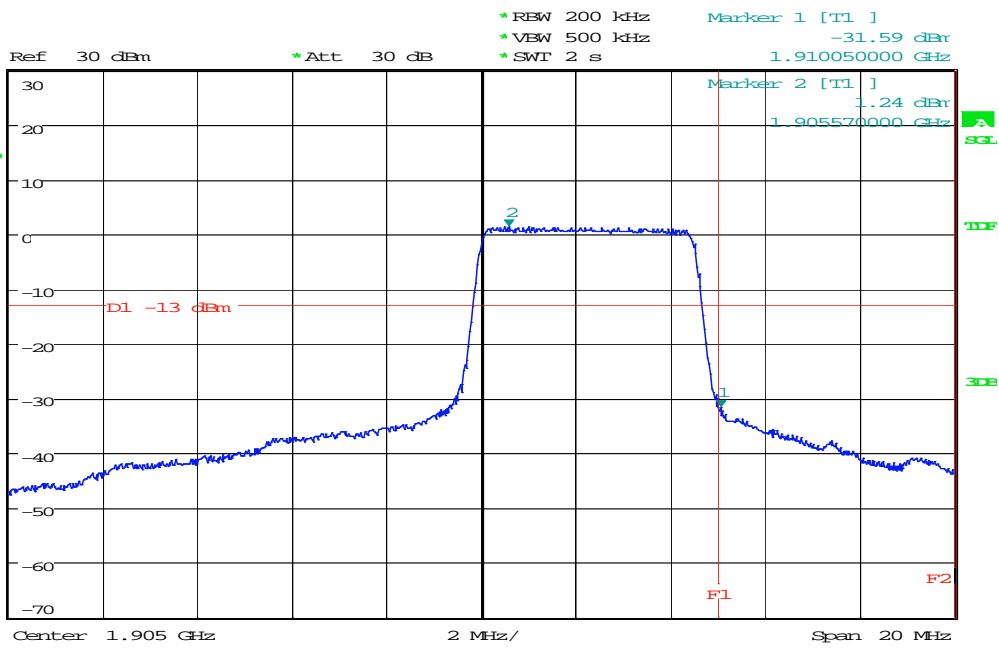
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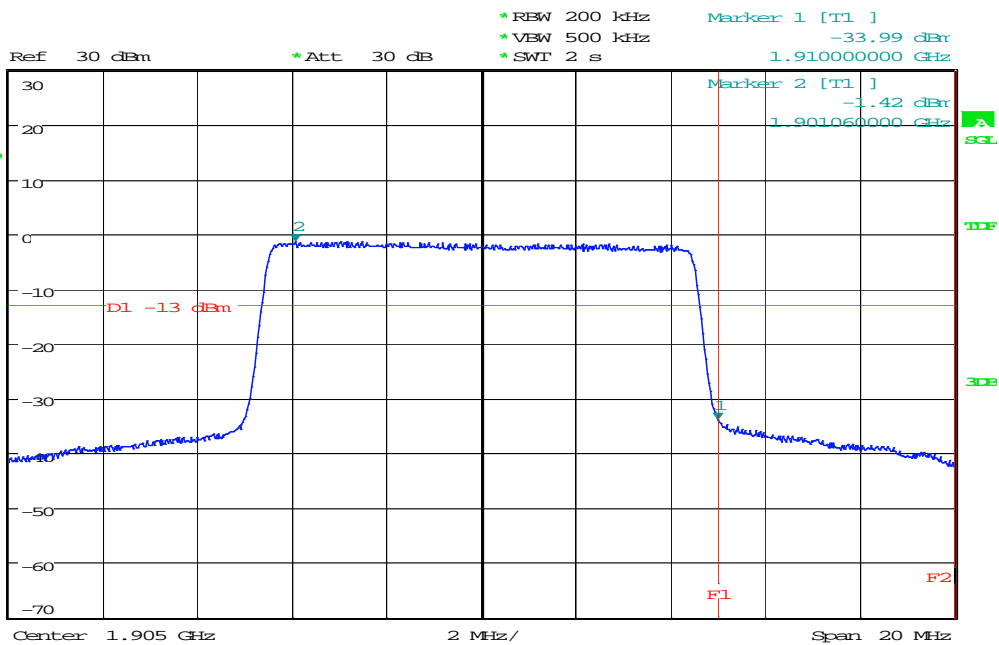
BAND2-1905MHz,Q16-1RB_LOW @Pass
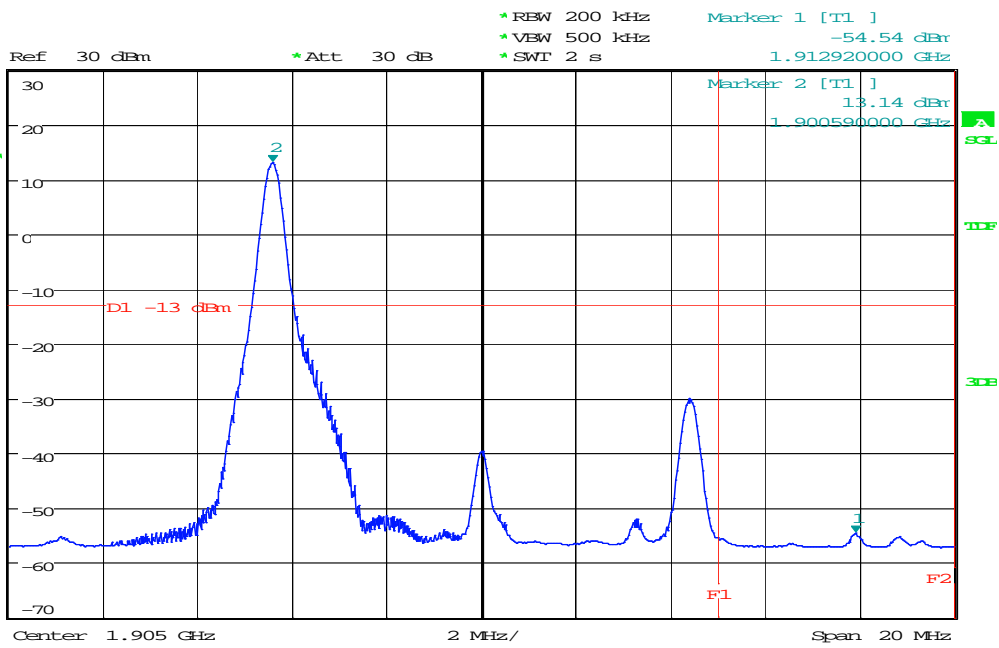
Report No.: FCC16053699-4

BAND2-1905MHz,Q16-1RB_HIGH@Pass

BAND2-1905MHz,Q16-25RB_LOW@Pass

Report No.: FCC16053699-4
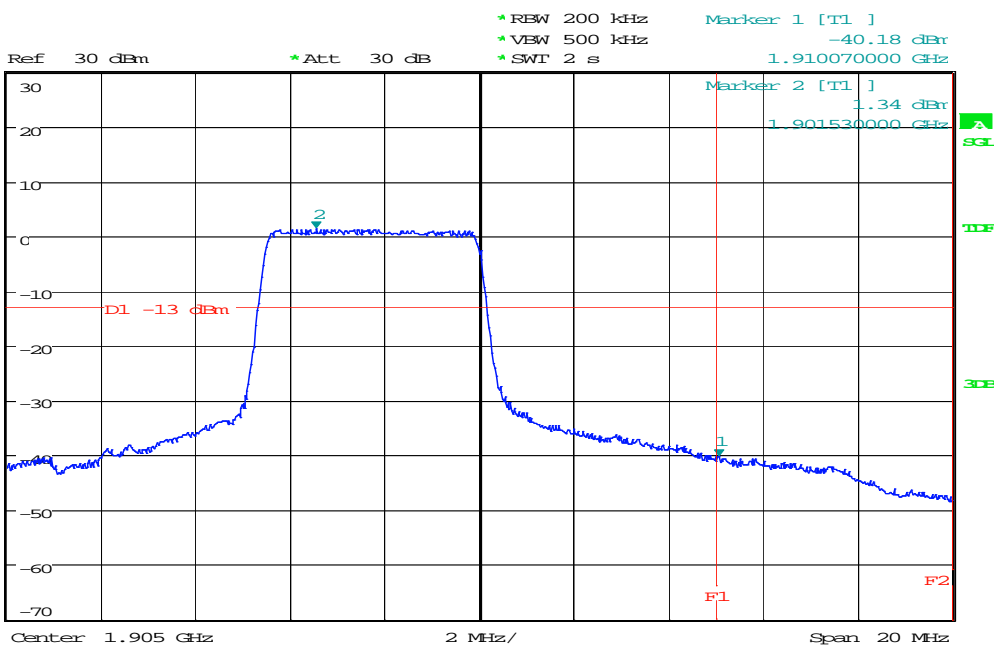
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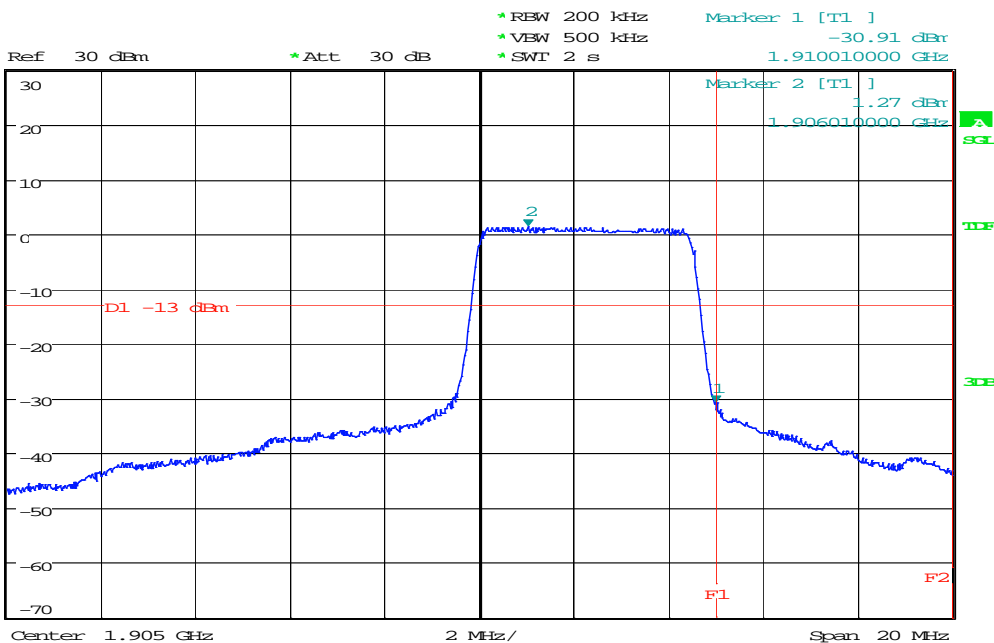
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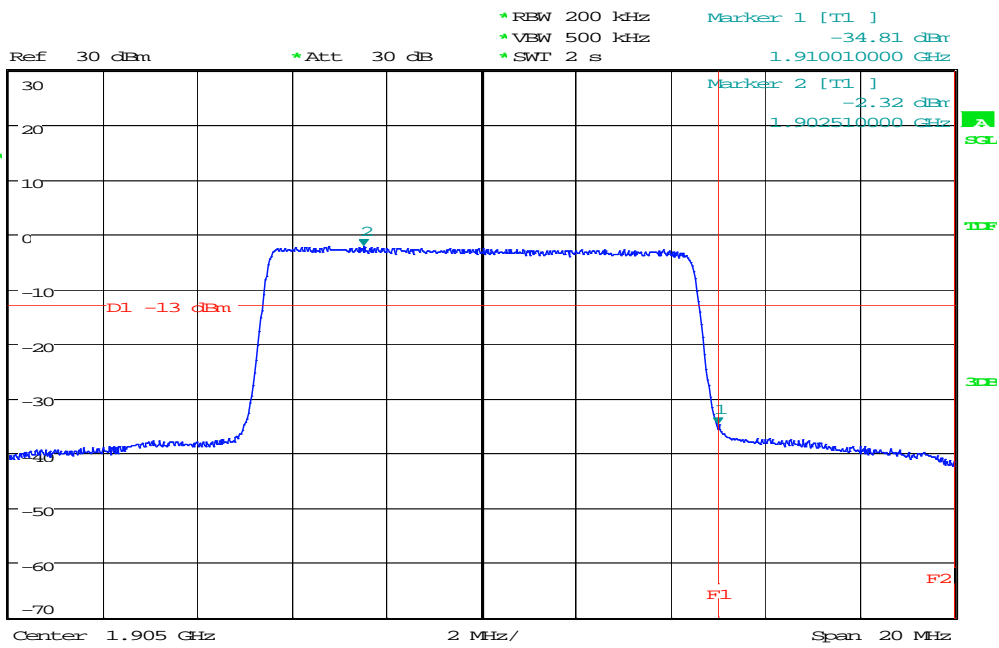
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BAND2-1857.5MHz,QPSK-1RB_LOW@Pass
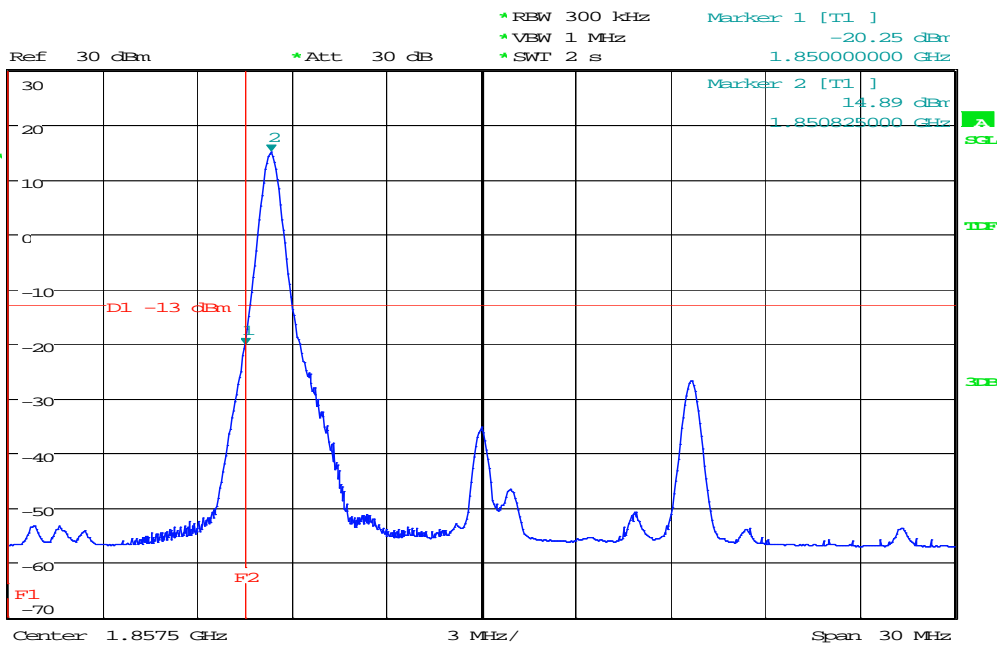
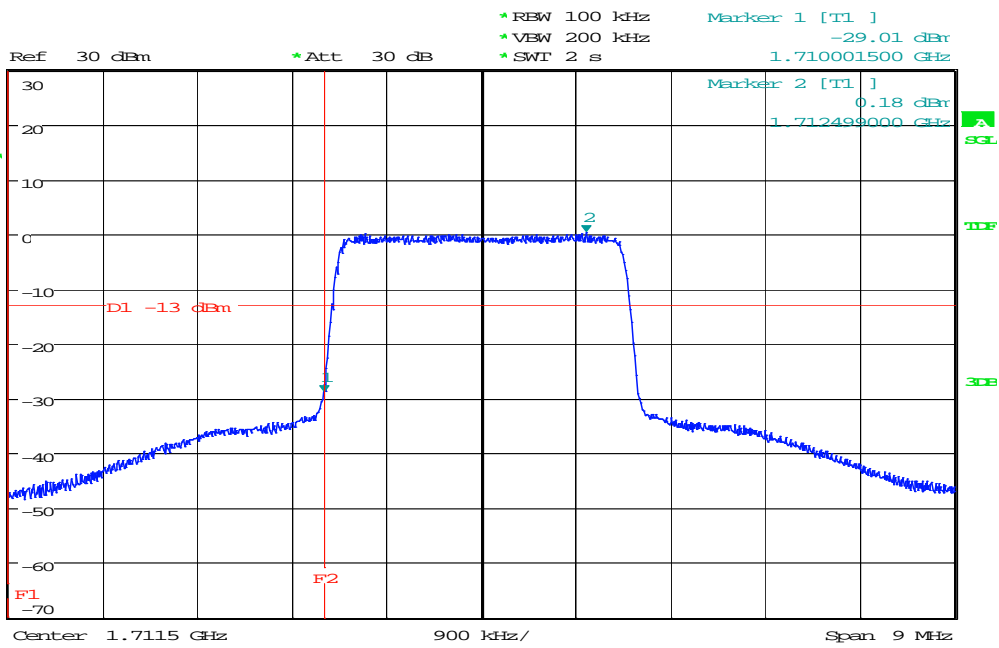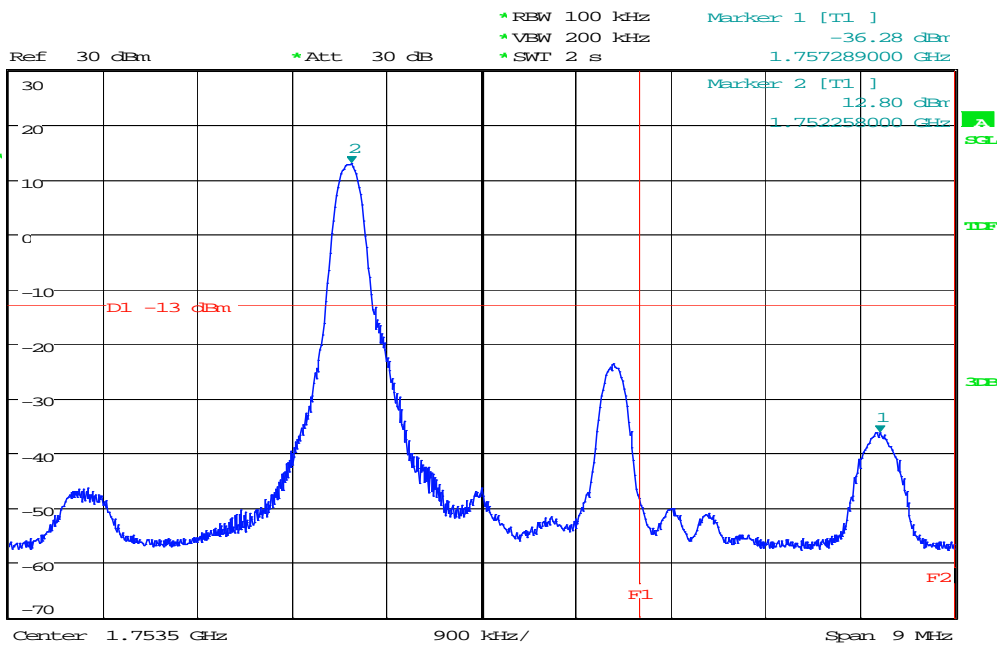Date: 16.JUN.2016 10:23:16

BAND2-1857.5MHz,QPSK-1RB_HIGH@Pass

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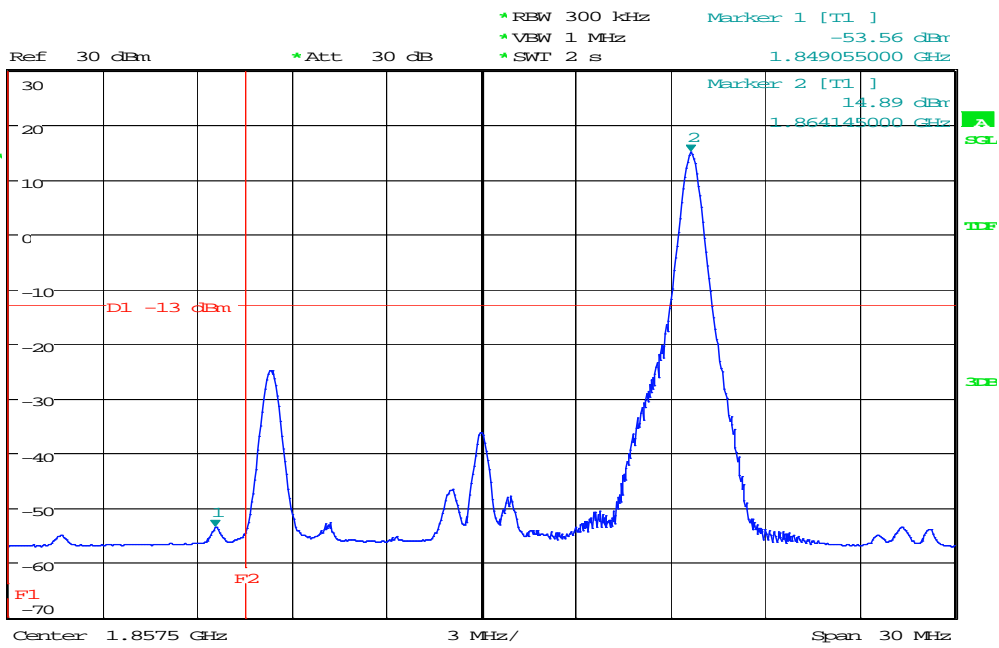
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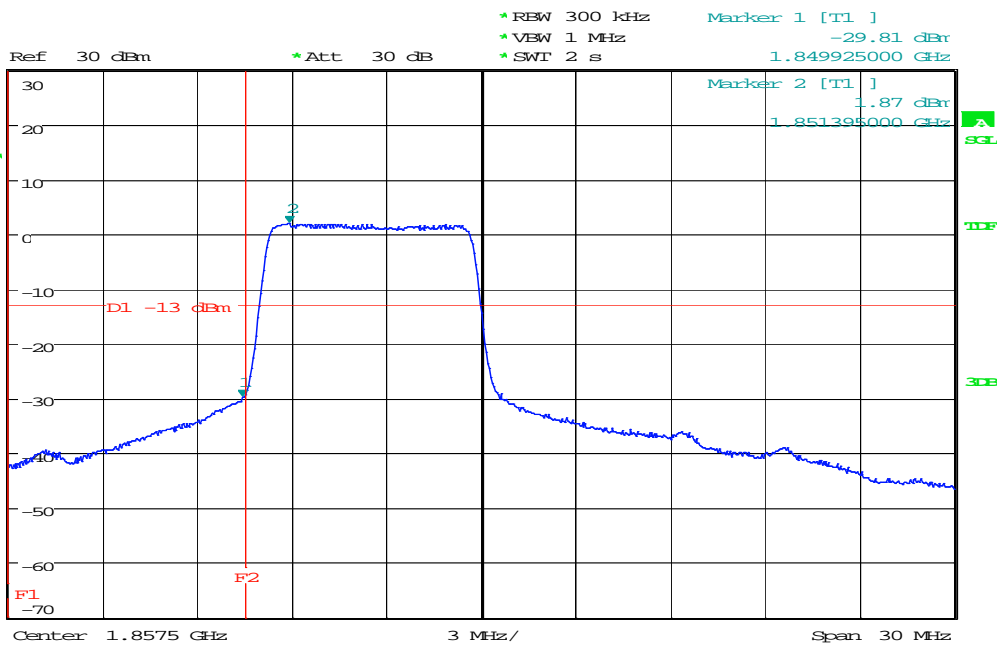
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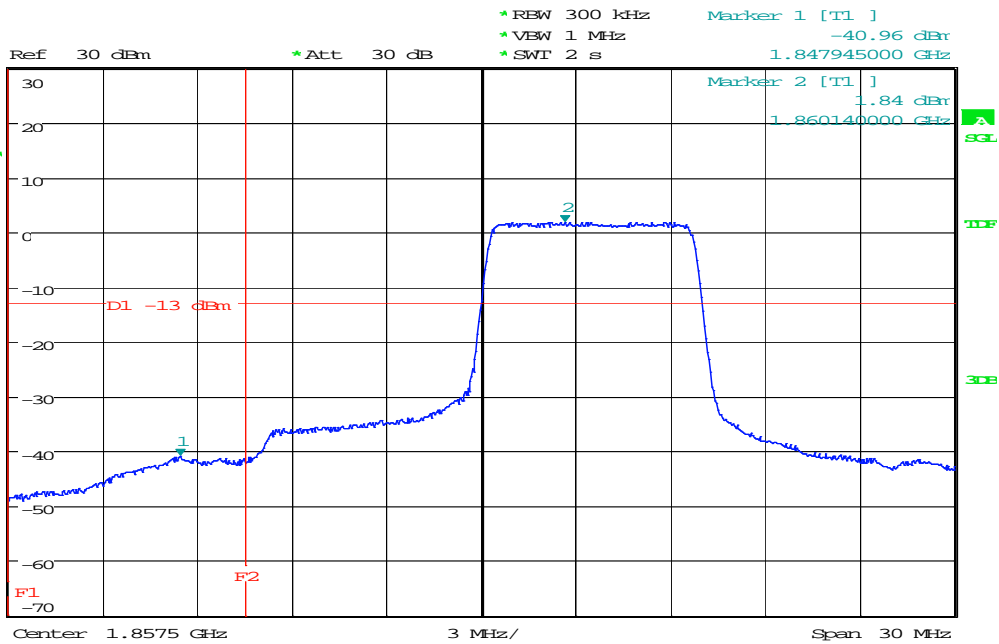
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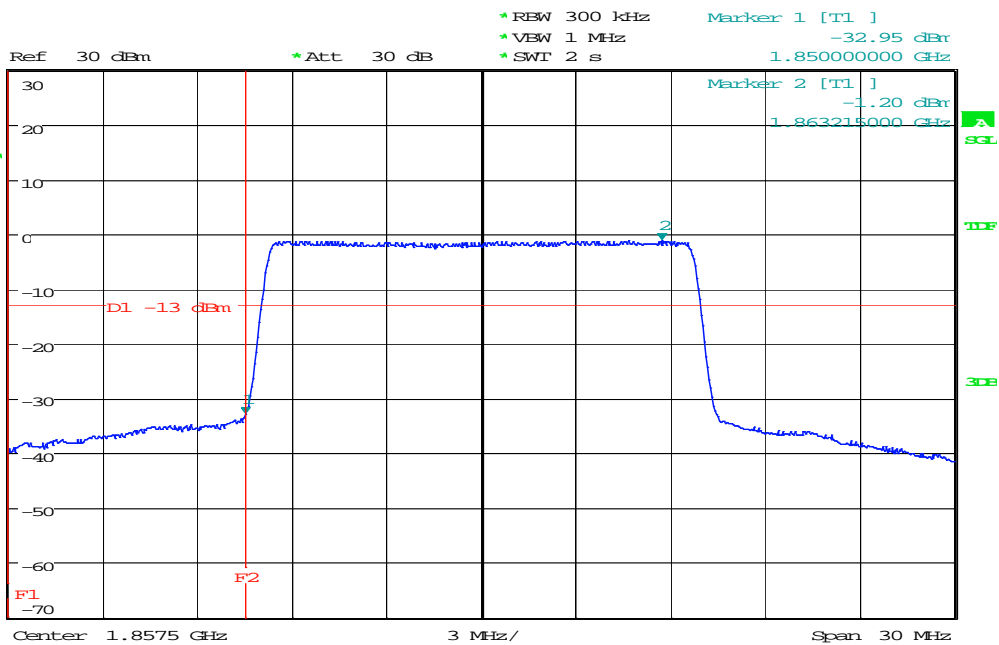
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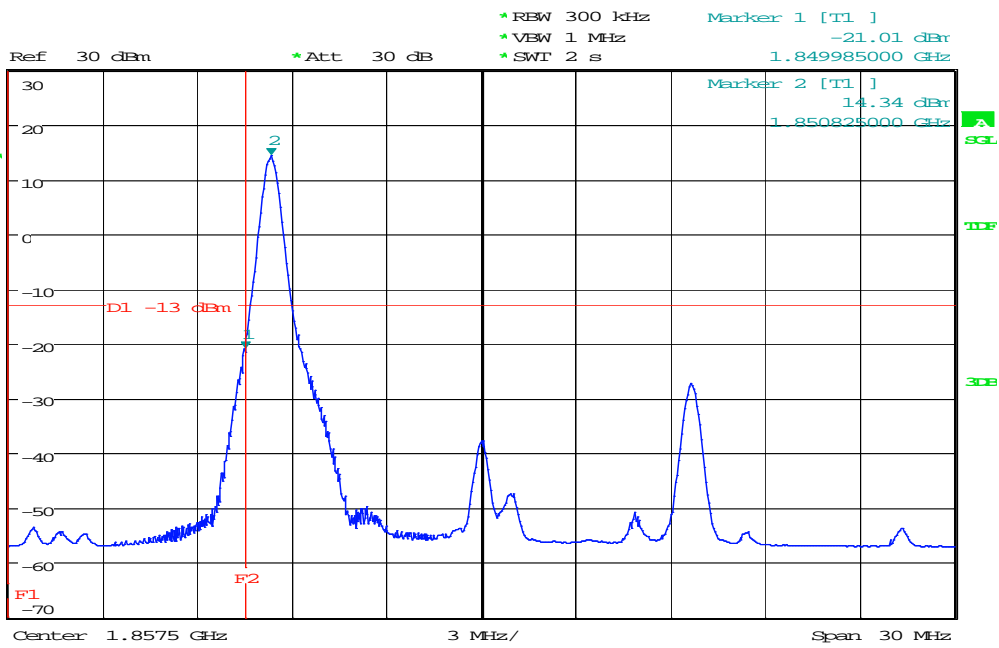
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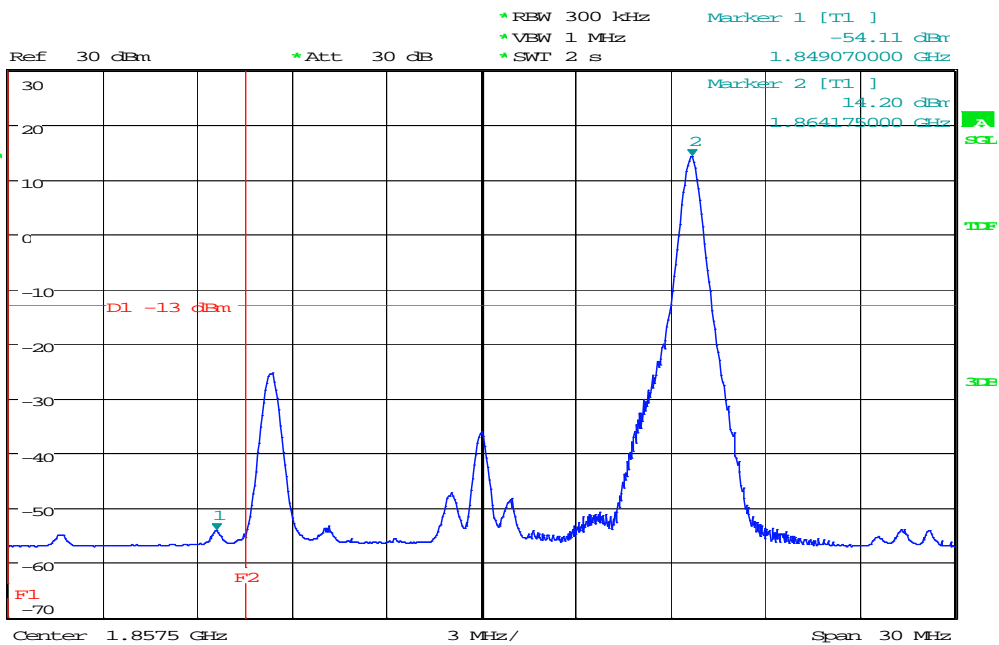
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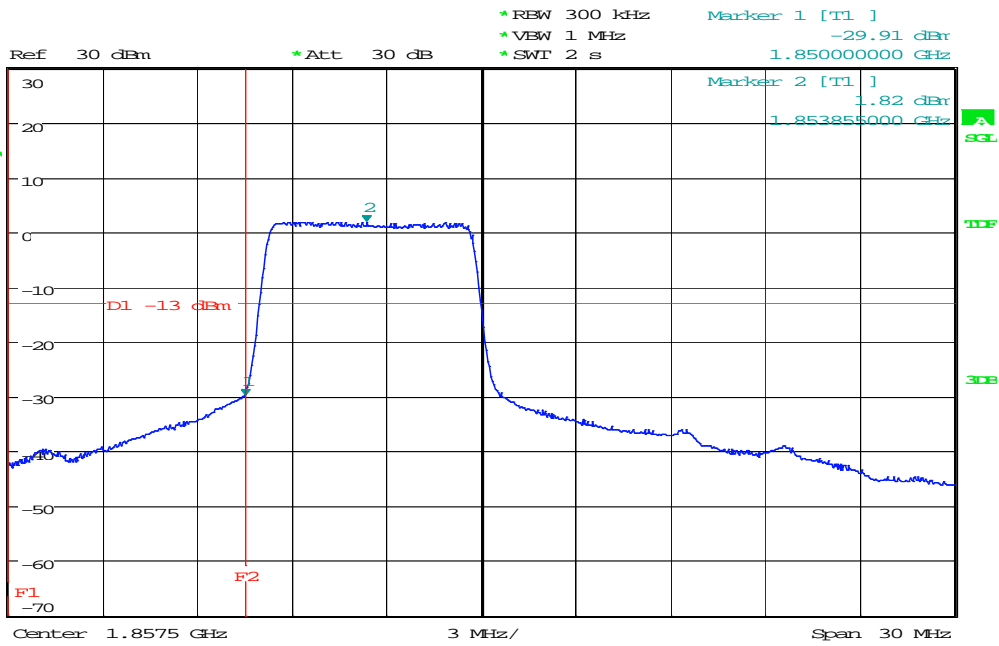
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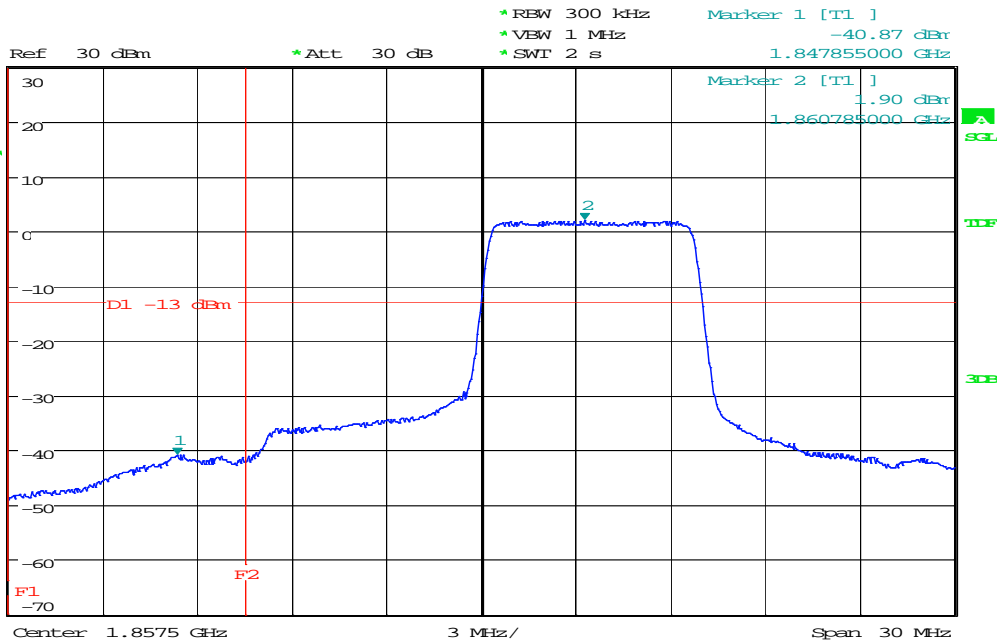
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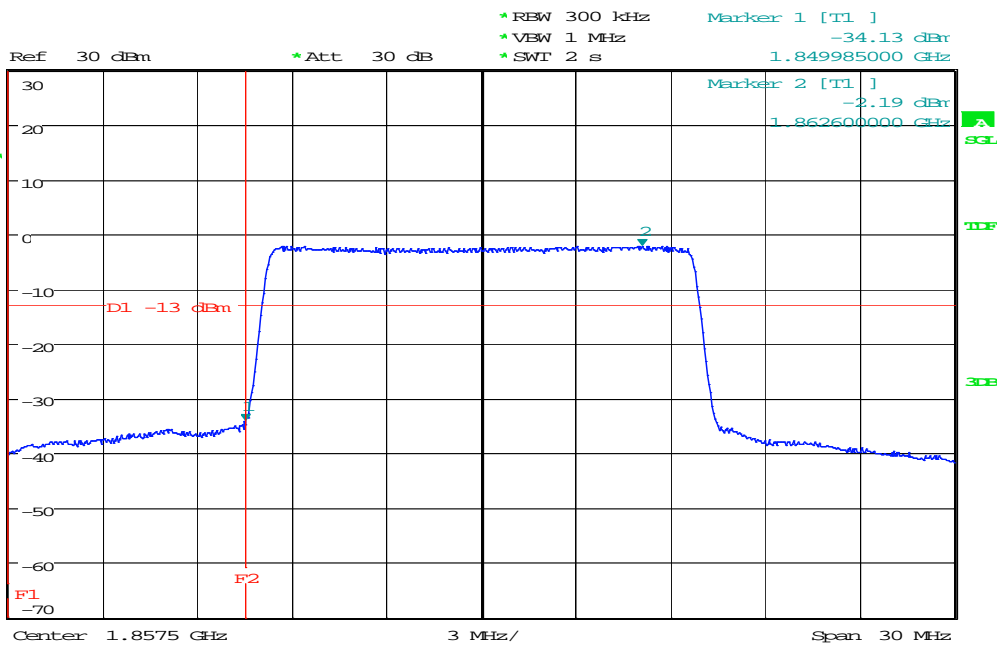
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BAND2-1902.5MHz,QPSK-1RB_LOW@Pass
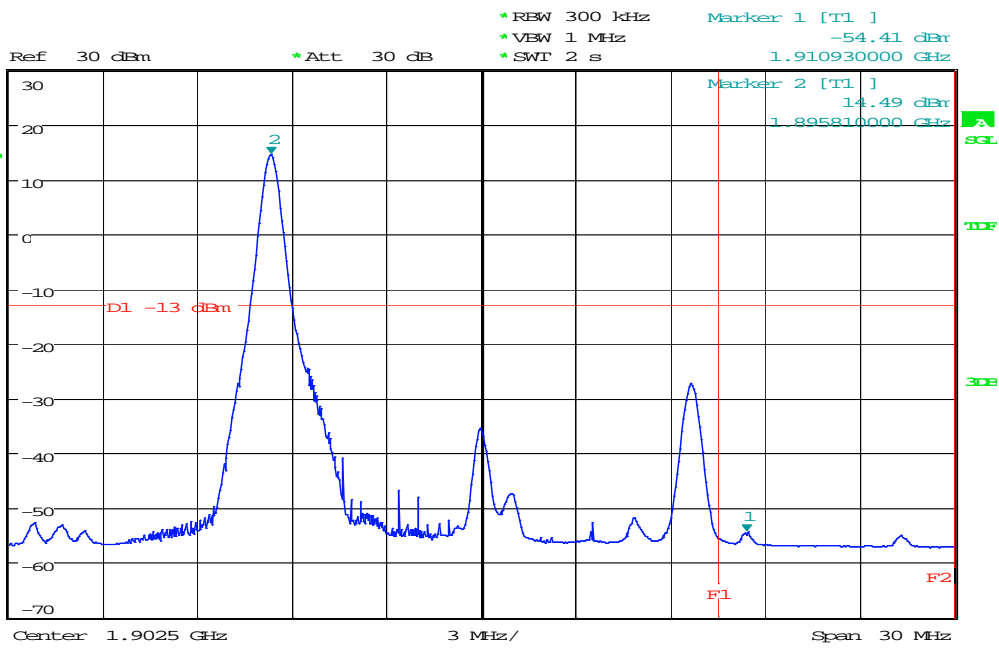
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BAND2-1902.5MHz,QPSK-1RB_HIGH@Pass

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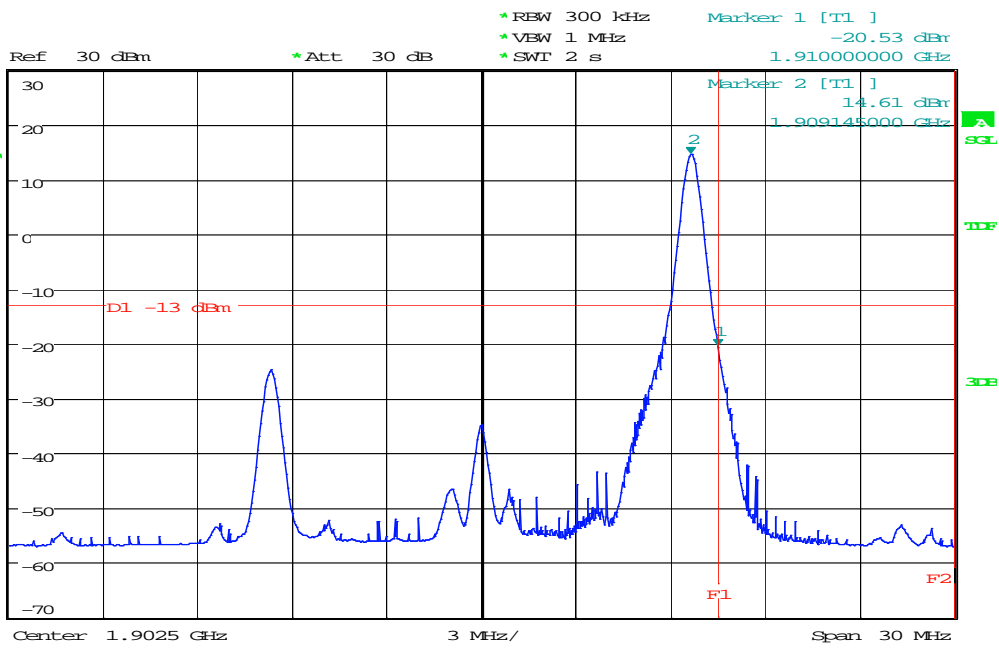
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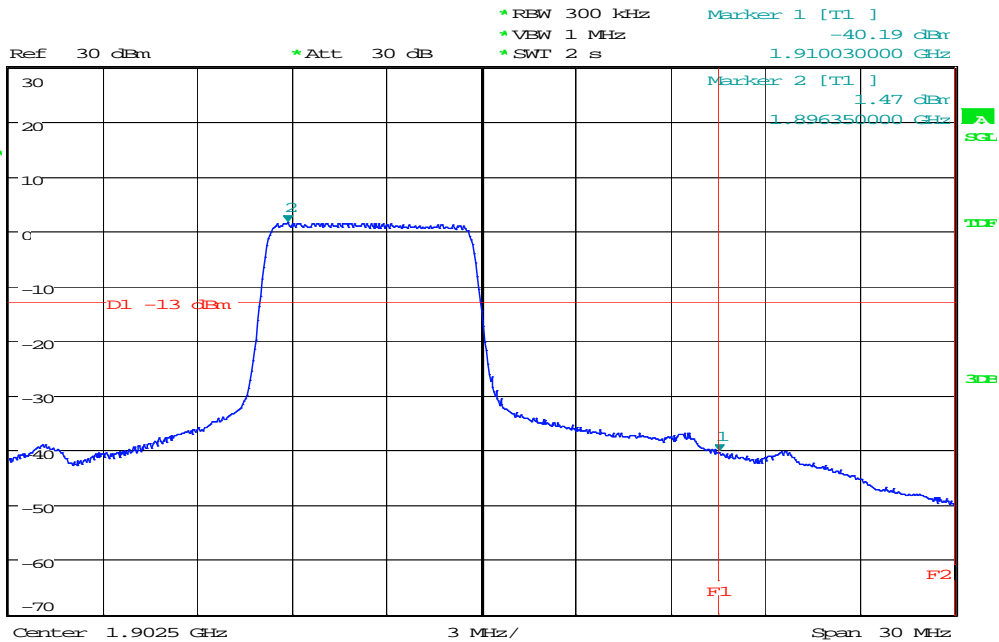
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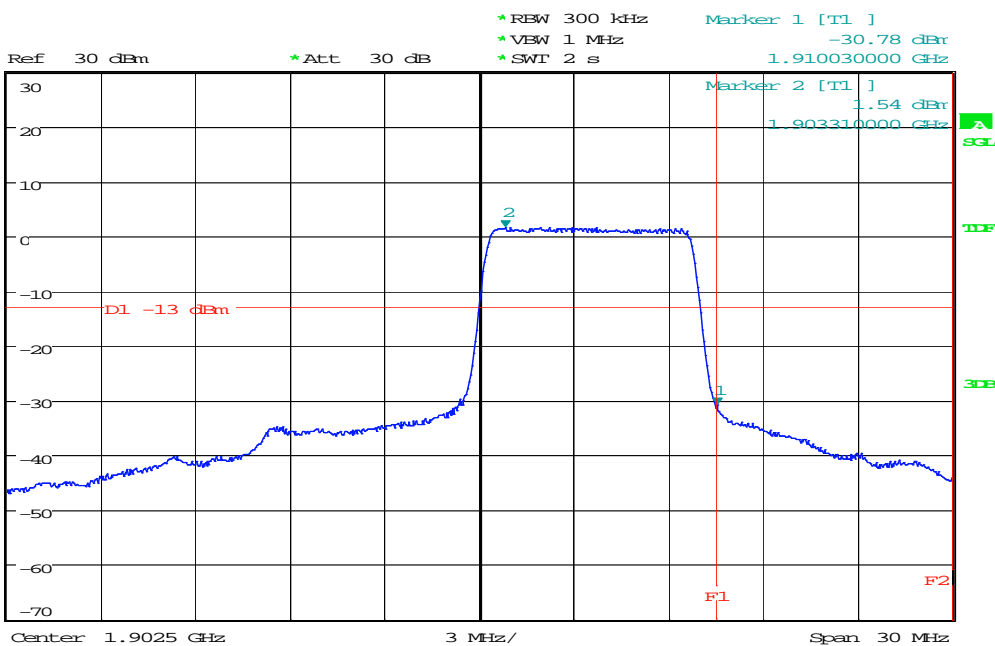
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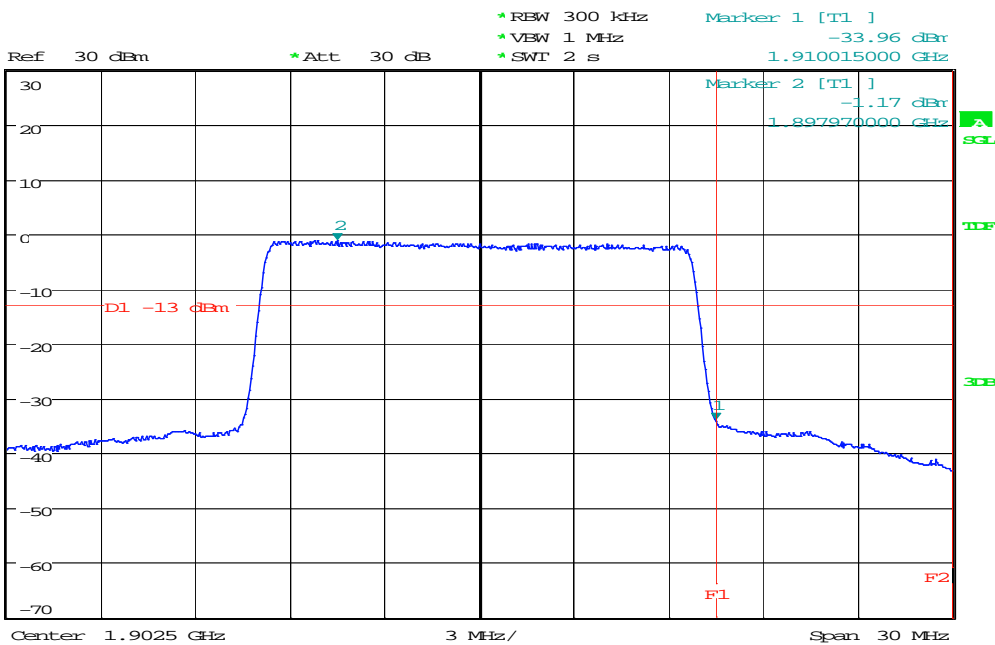
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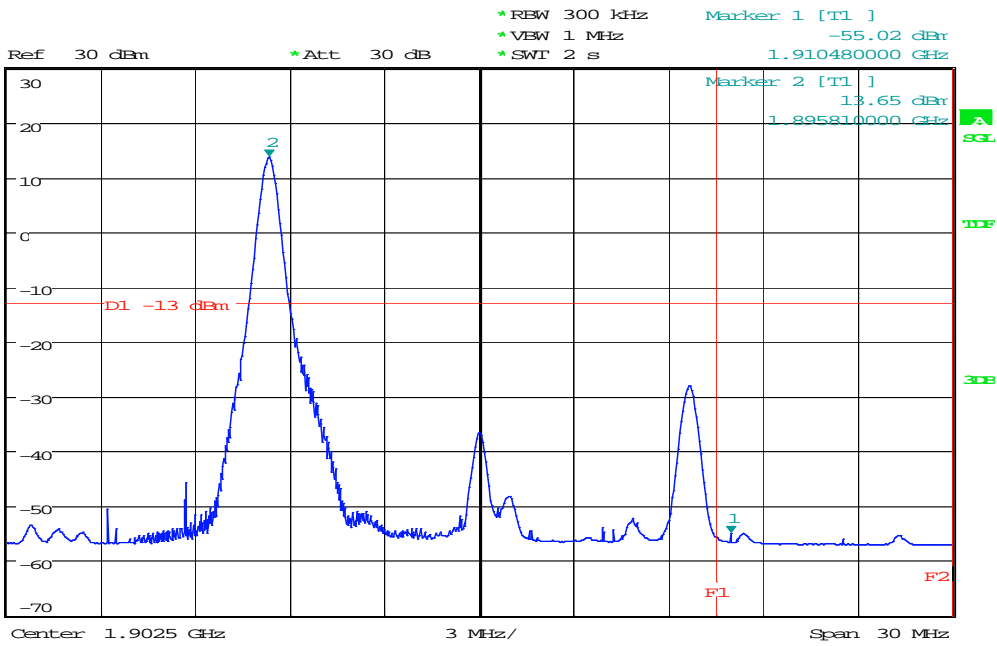
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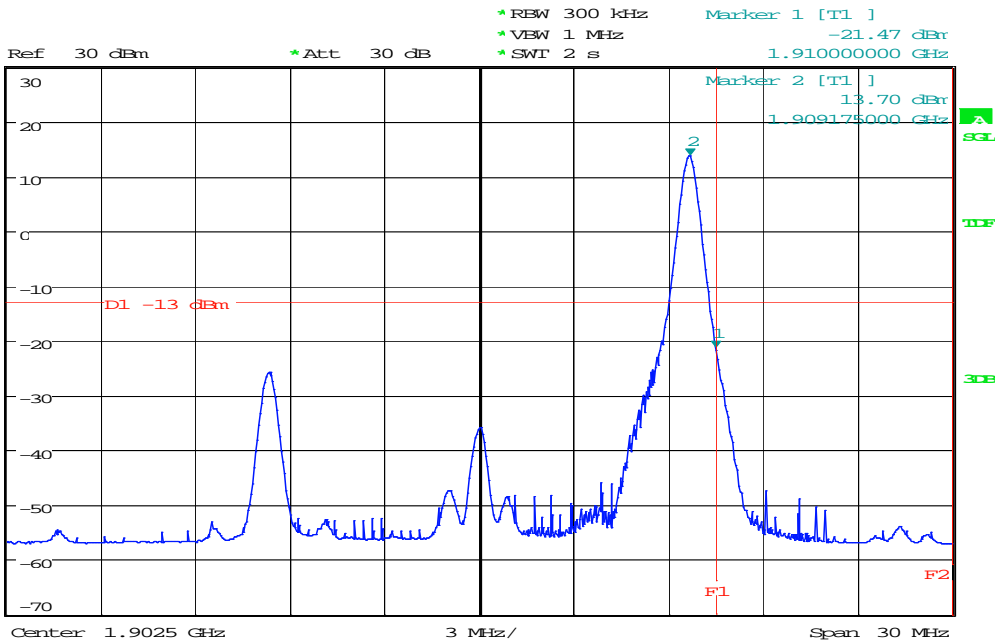
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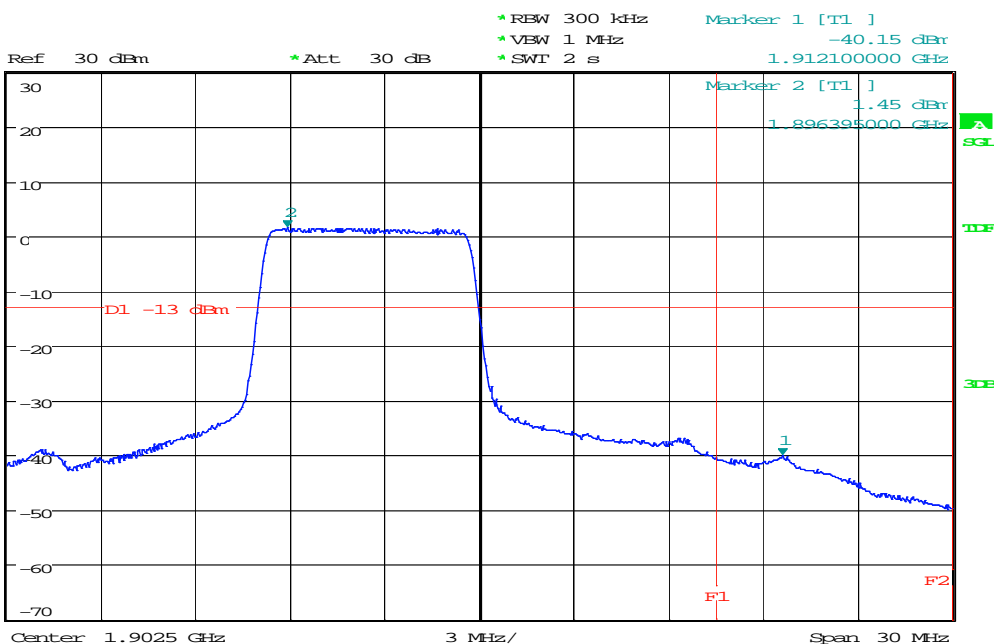
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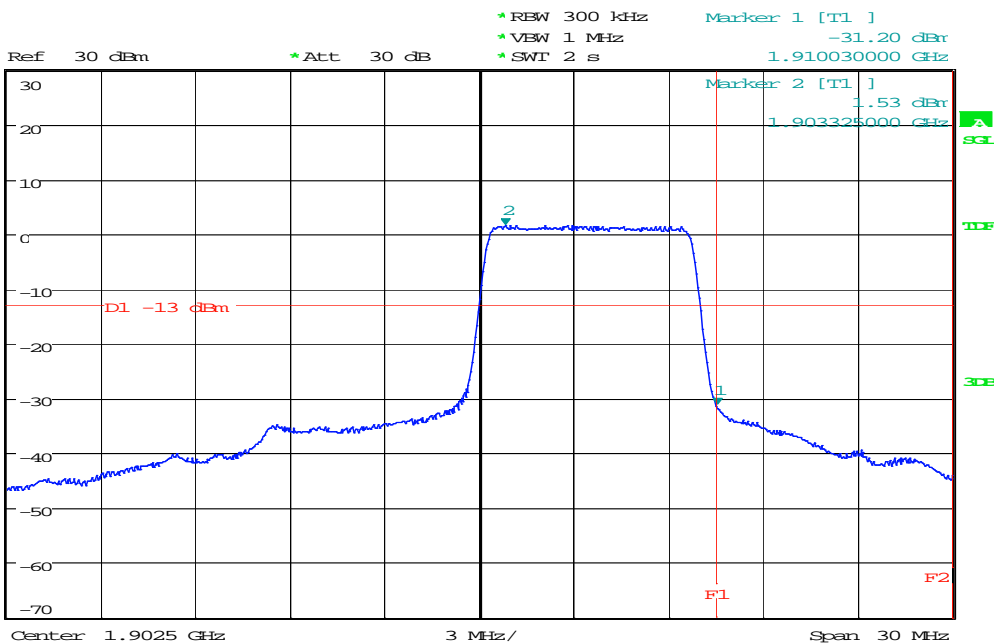
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BAND2-1902.5MHz,Q16-75RB_LOW@Pass
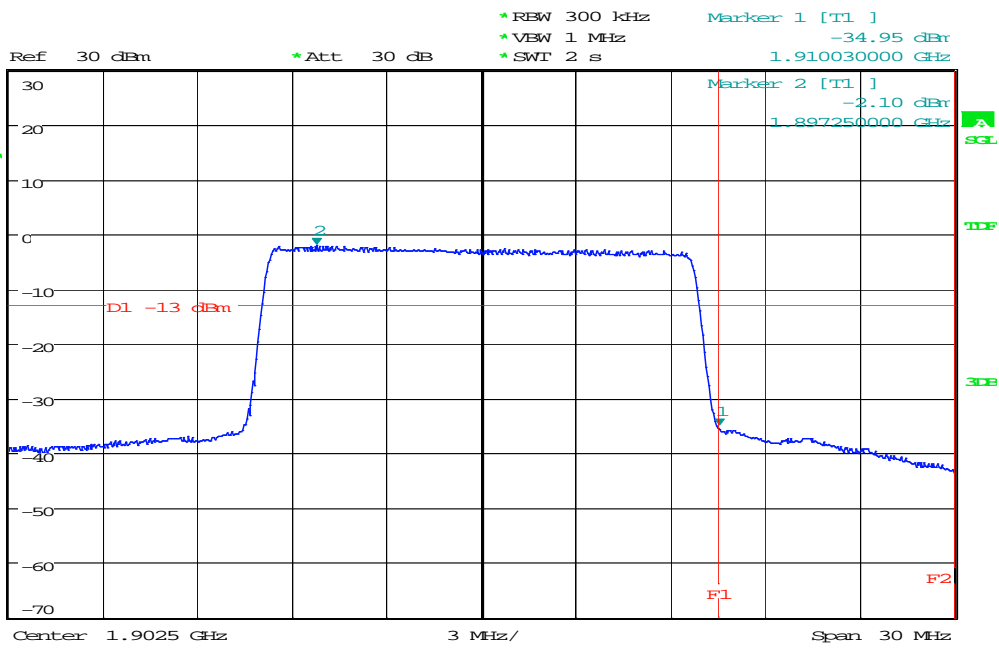
BAND2-1860MHz,QPSK-1RB_LOW@Pass
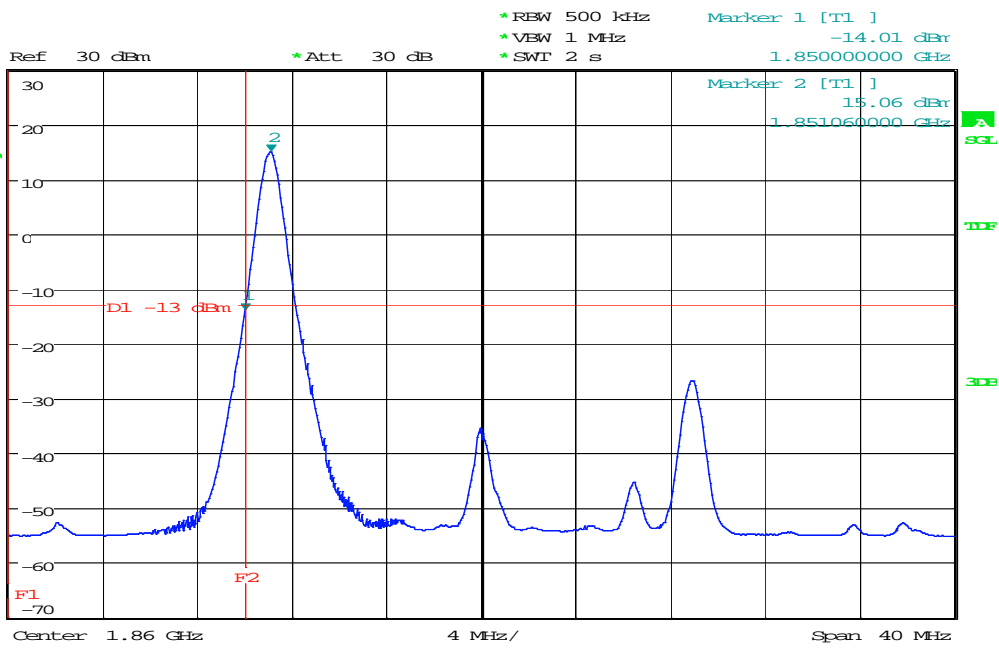
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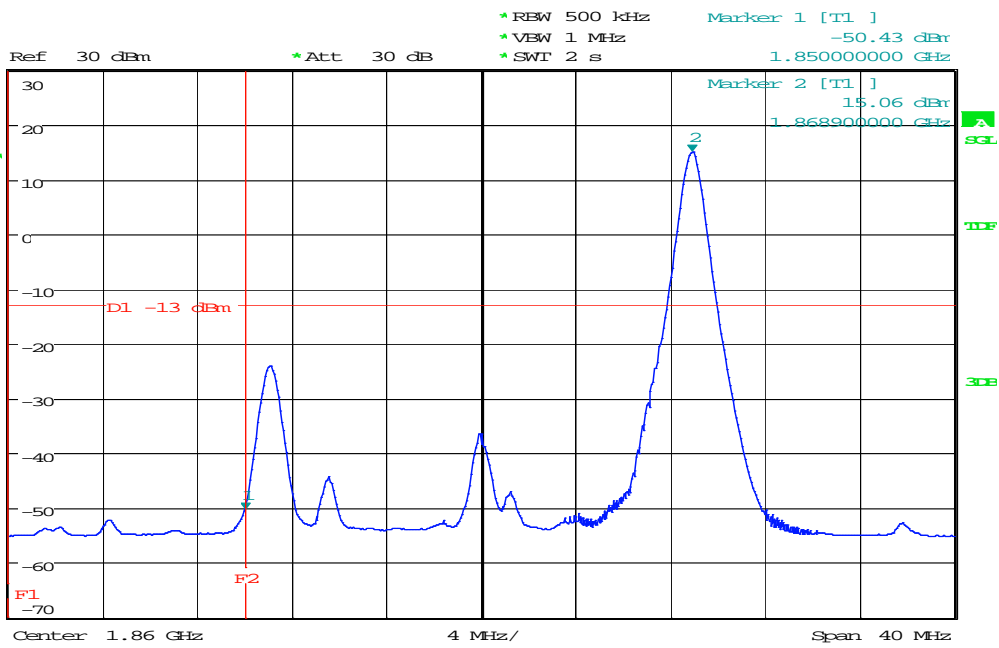
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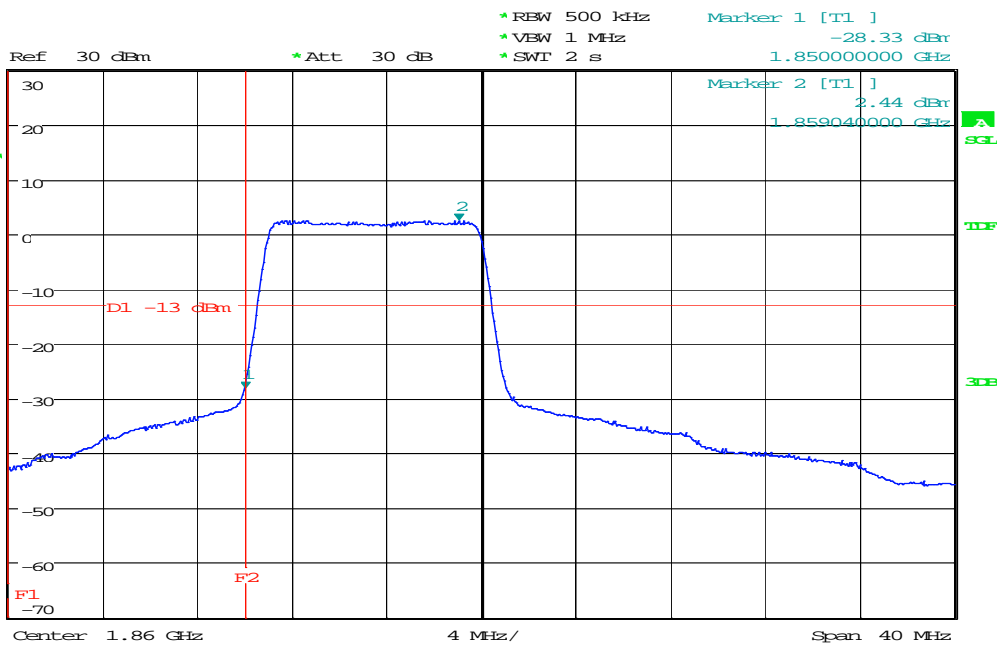
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Report No.: FCC16053699-4
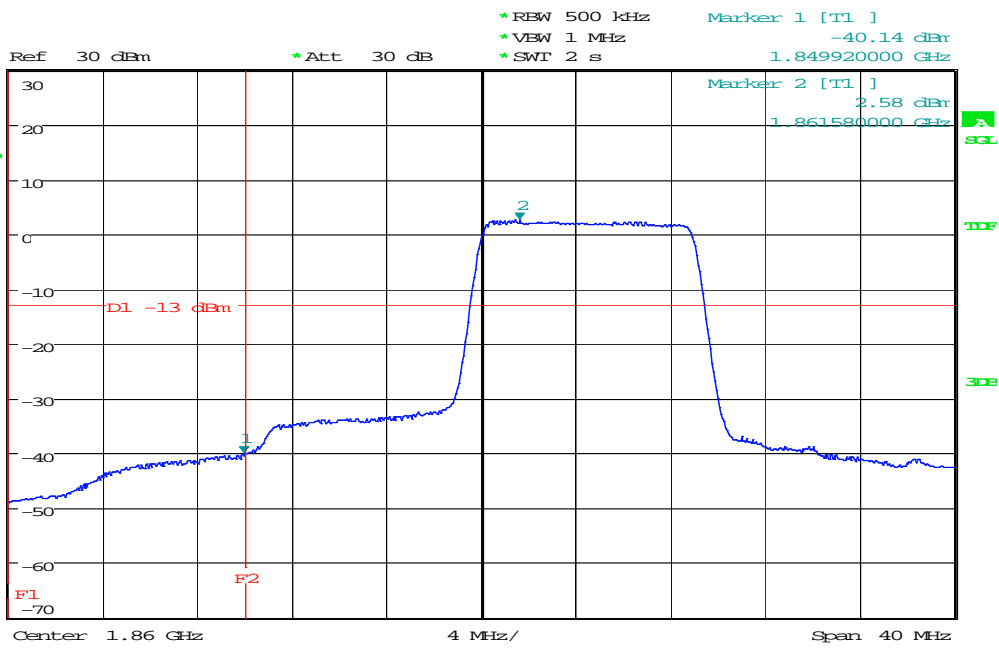
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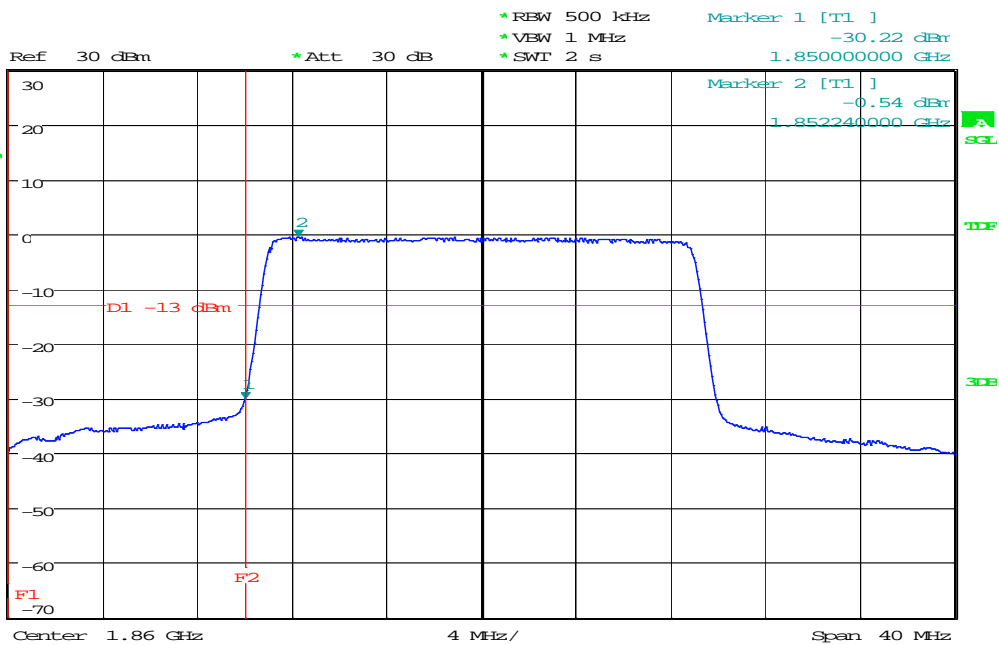
BAND2-1860MHz,Q16-1RB_LOW@Pass

Report No.: FCC16053699-4
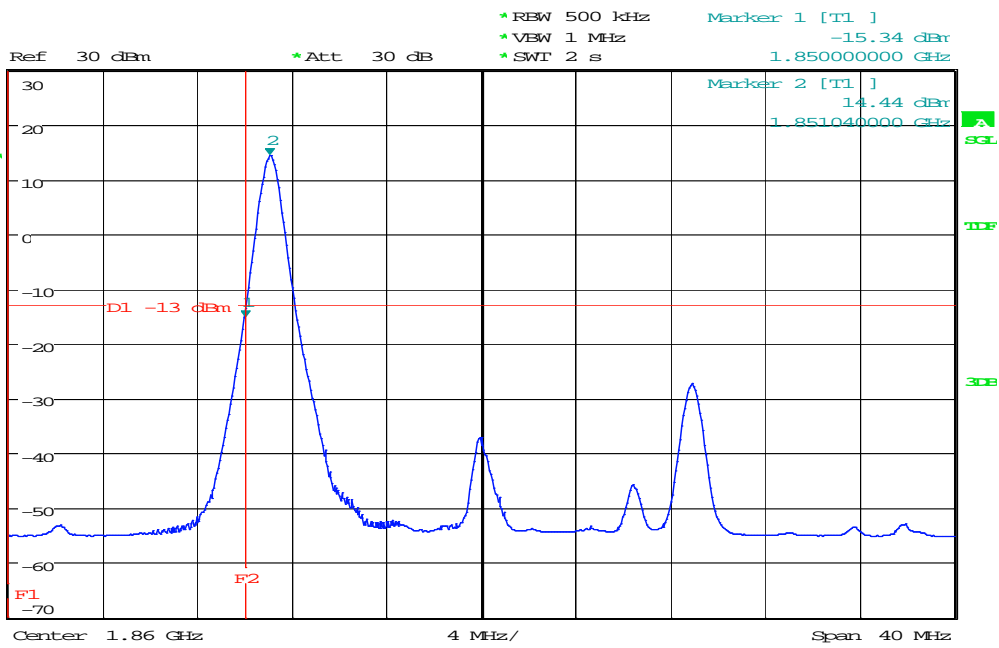
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BAND2-1860MHz,Q16-1RB_HIGH@Pass
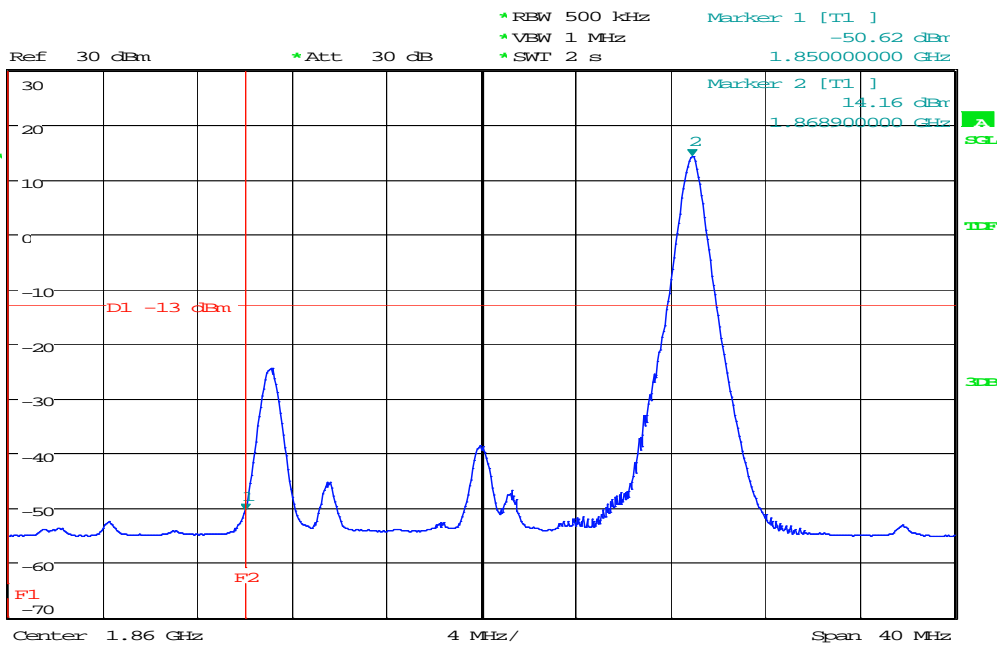
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BAND2-1860MHz,Q16-50RB_LOW@Pass

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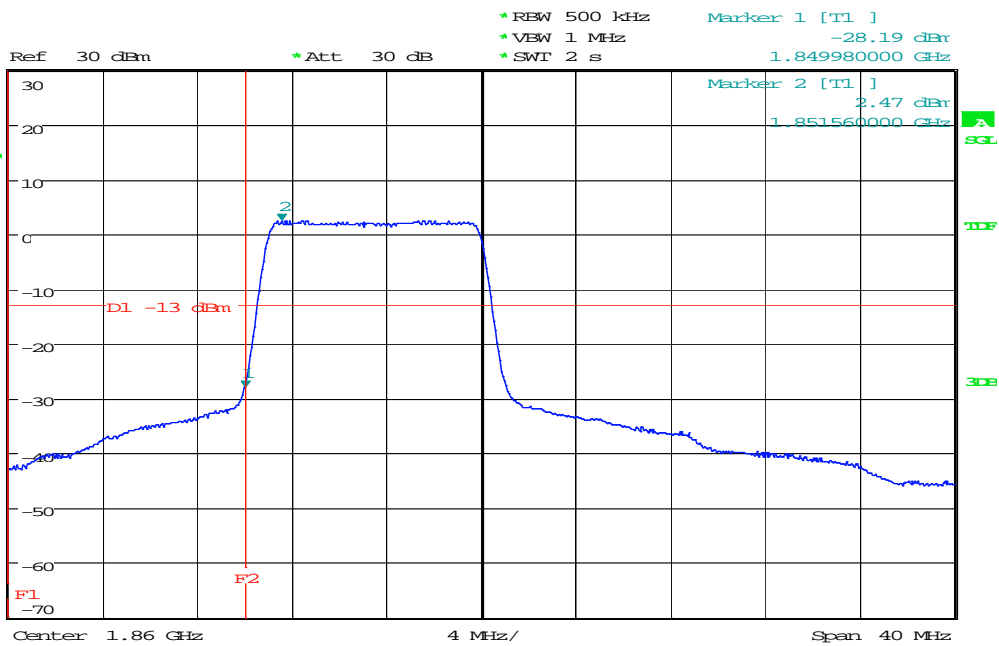
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BAND2-1860MHz,Q16-50RB_HIGH@Pass
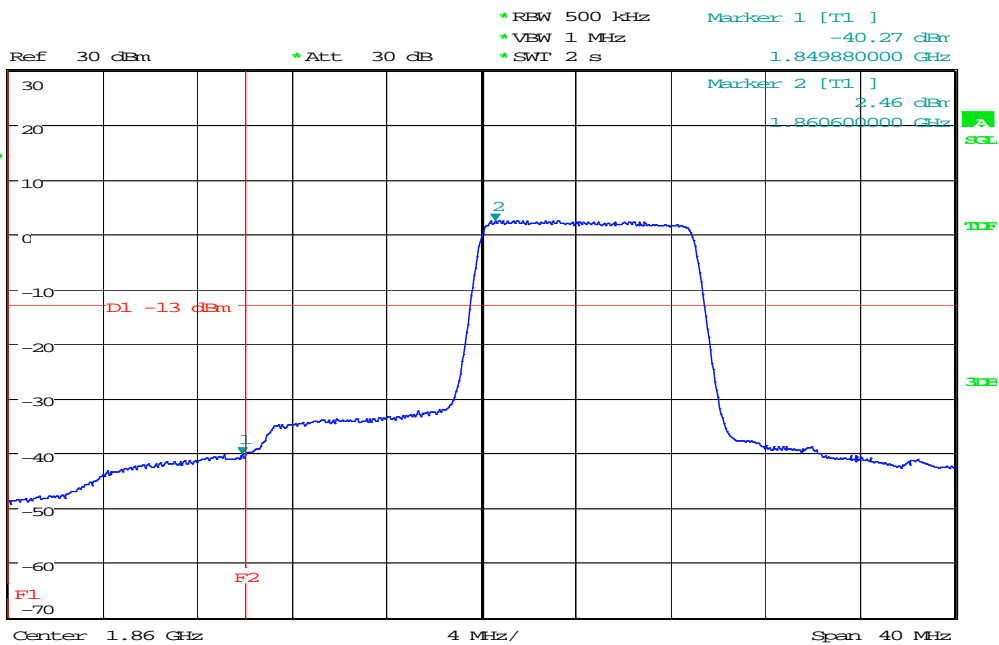
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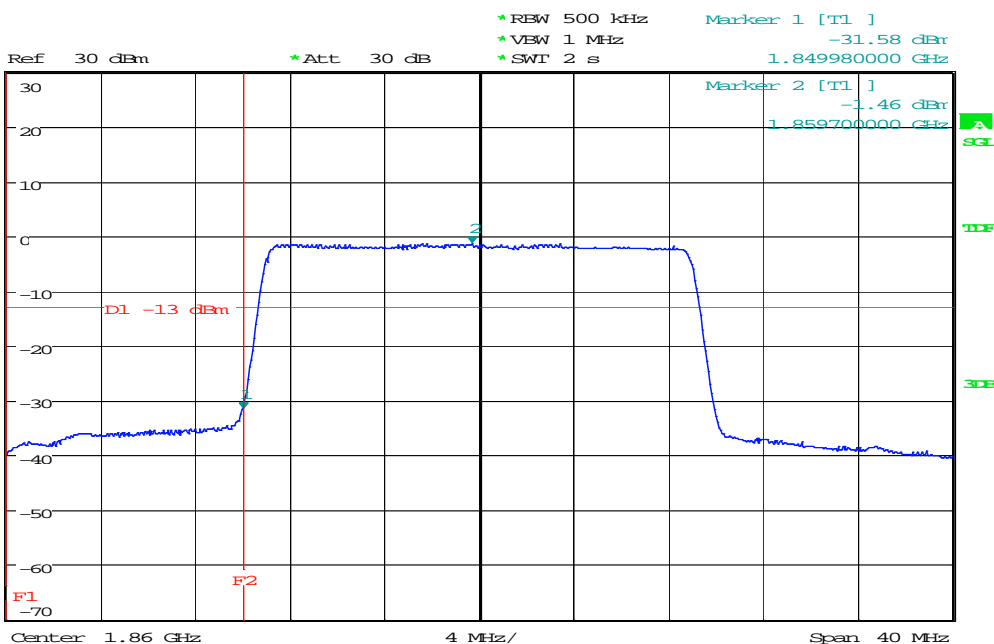
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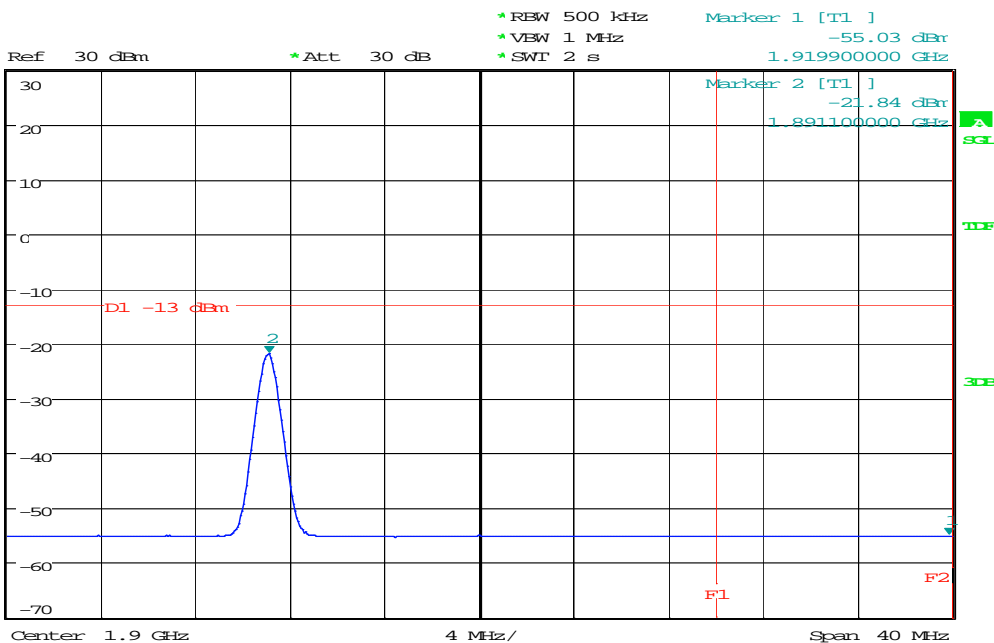
BAND2-1900MHz,QPSK-1RB_HIGH@Pass

Report No.: FCC16053699-4
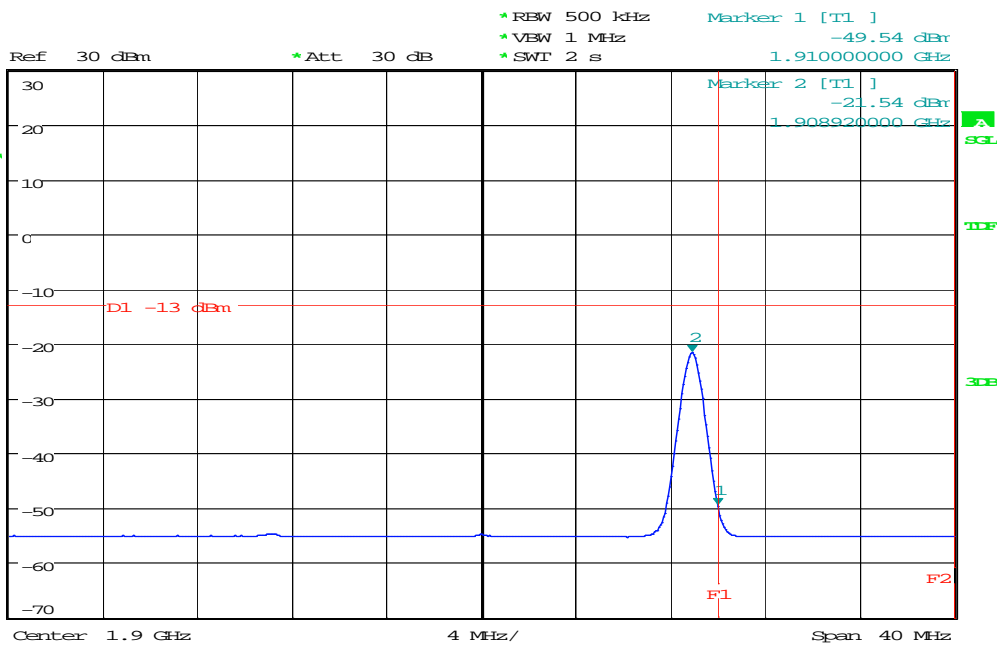
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BAND 4@Band Edge

BAND4-1710.7MHz,QPSK-1RB_LOW@Pass
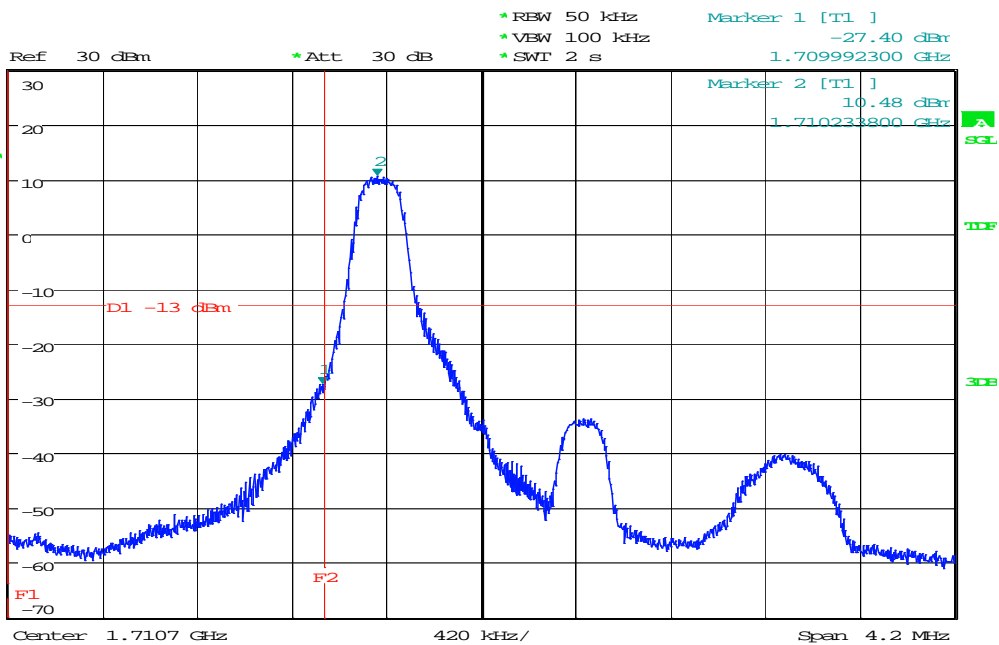
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BAND4-1710.7MHz,QPSK-1RB_HIGH@Pass

BAND4-1710.7MHz,QPSK-3RB_LOW@Pass
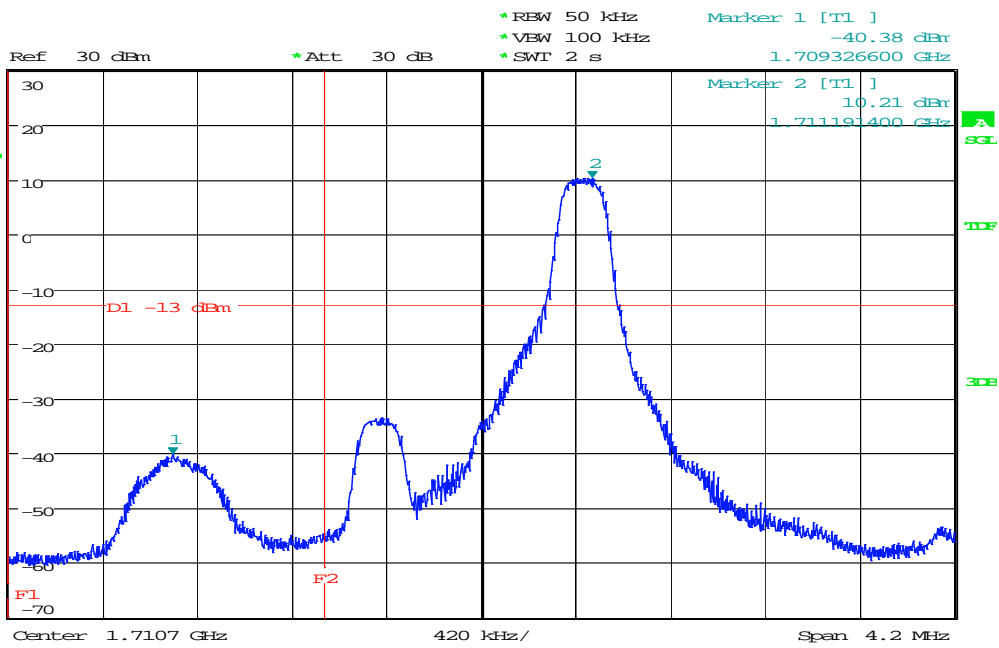
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BAND4-1710.7MHz,QPSK-3RB_HIGH@Pass
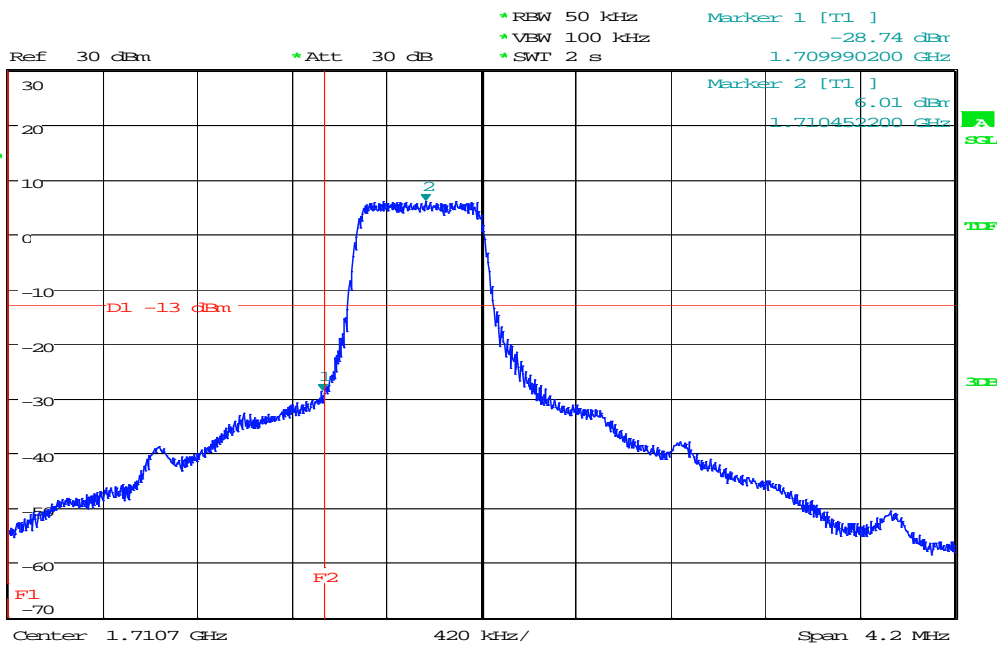
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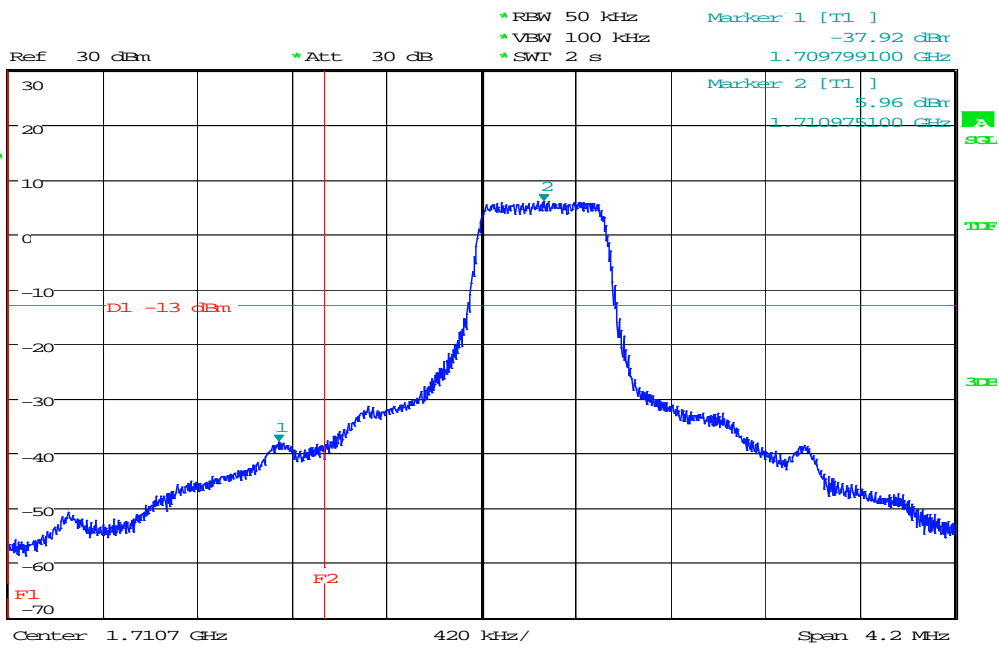
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BAND4-1710.7MHz,QPSK-6RB_LOW@Pass
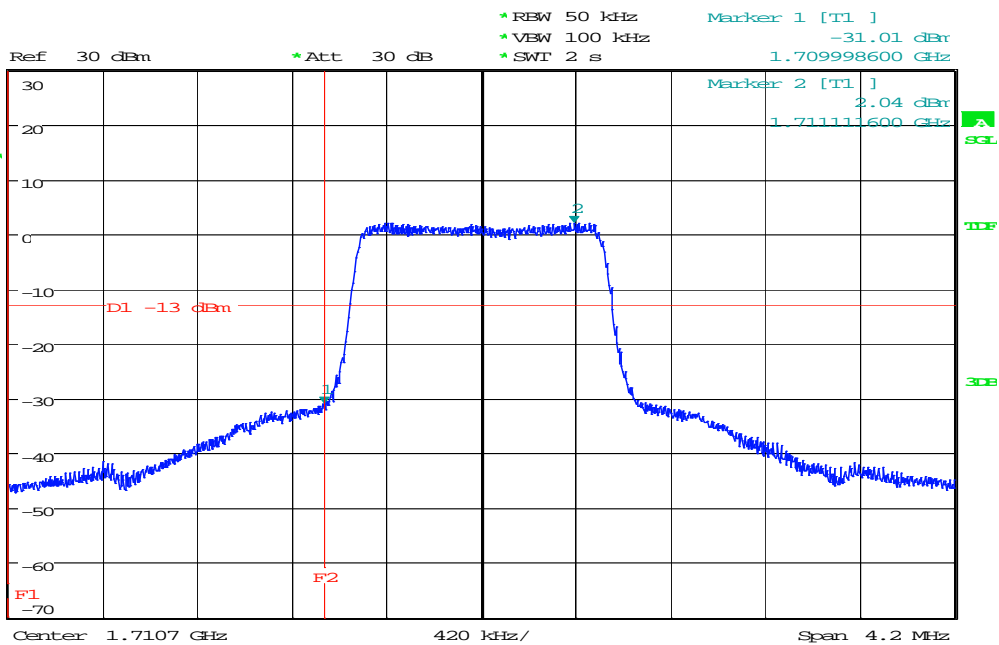
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BAND4-1710.7MHz,Q16-1RB_LOW@Pass

BAND4-1710.7MHz,Q16-1RB_HIGH@Pass
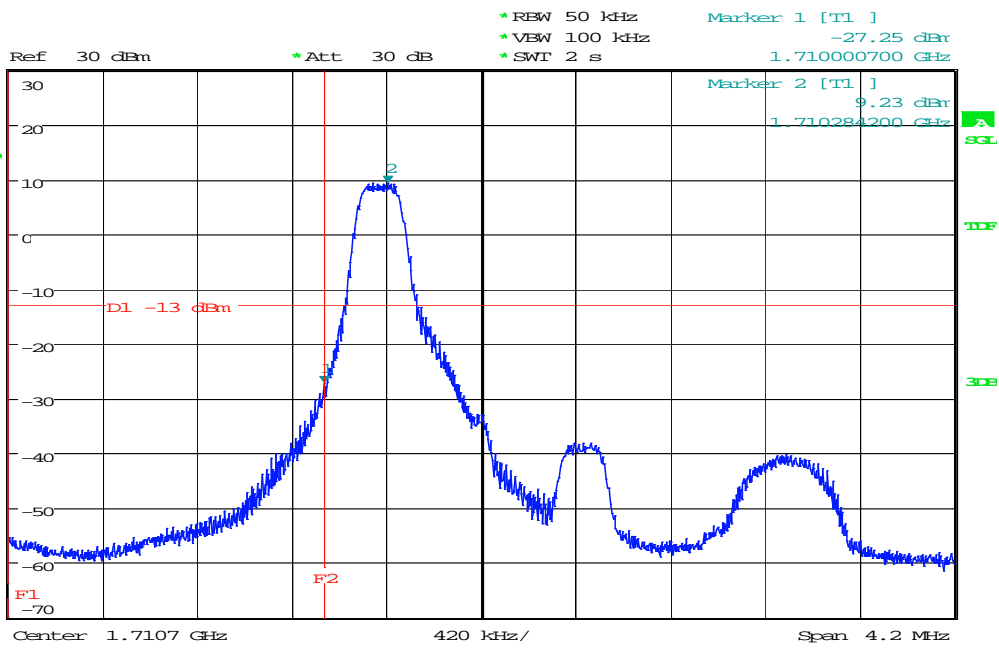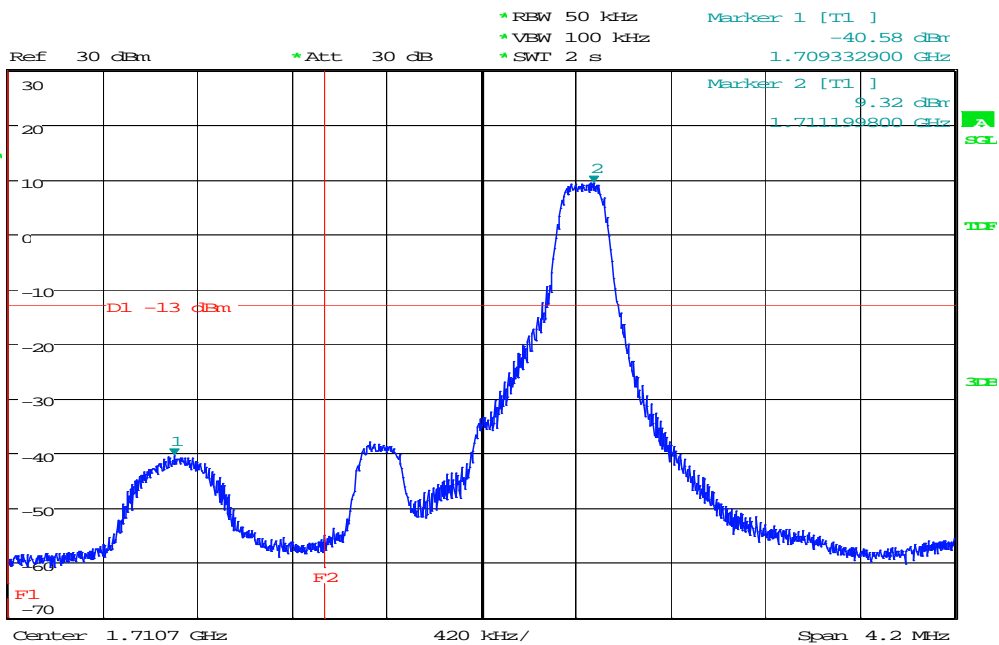
Date: 16.JUN.2016 10:38:43

BAND4-1710.7MHz,Q16-3RB_LOW@Pass

Date: 16.JUN.2016 10:38:54

Report No.: FCC16053699-4
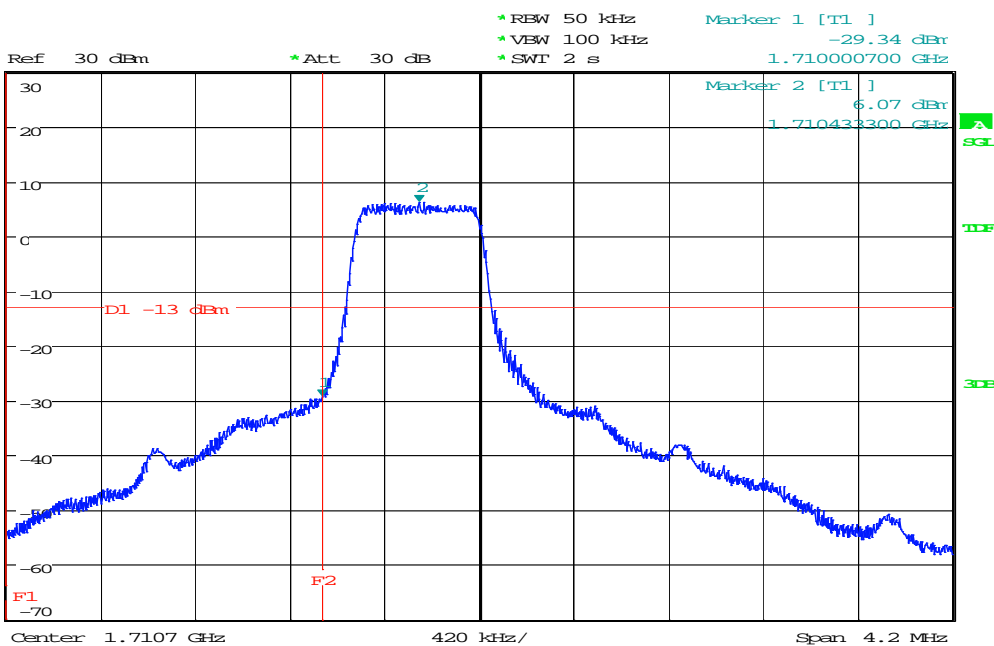
BAND4-1710.7MHz,Q16-3RB_HIGH@Pass
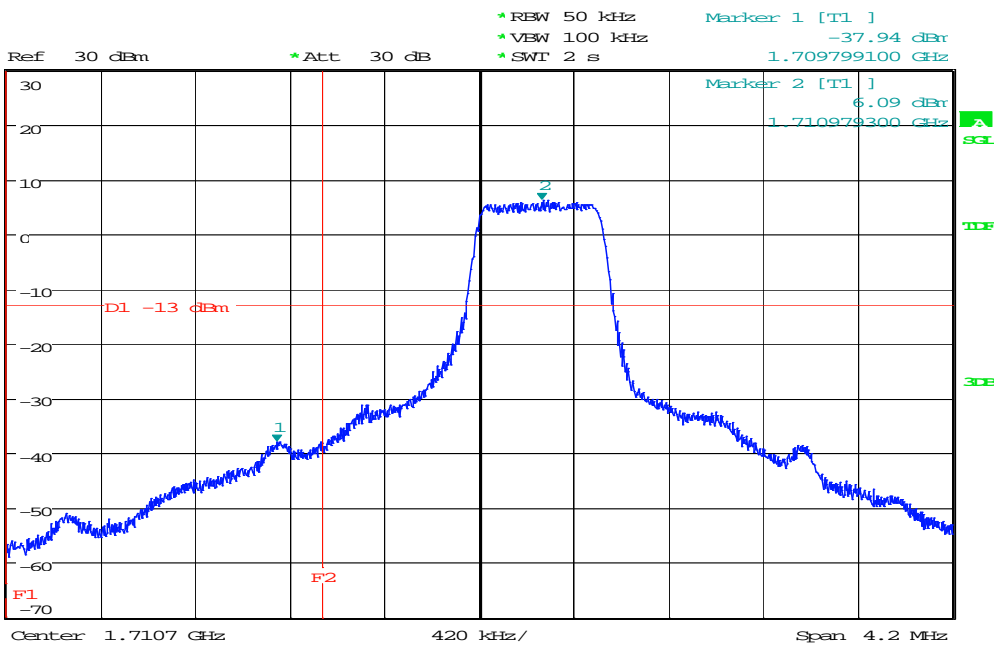
BAND4-1710.7MHz,Q16-6RB_LOW@Pass

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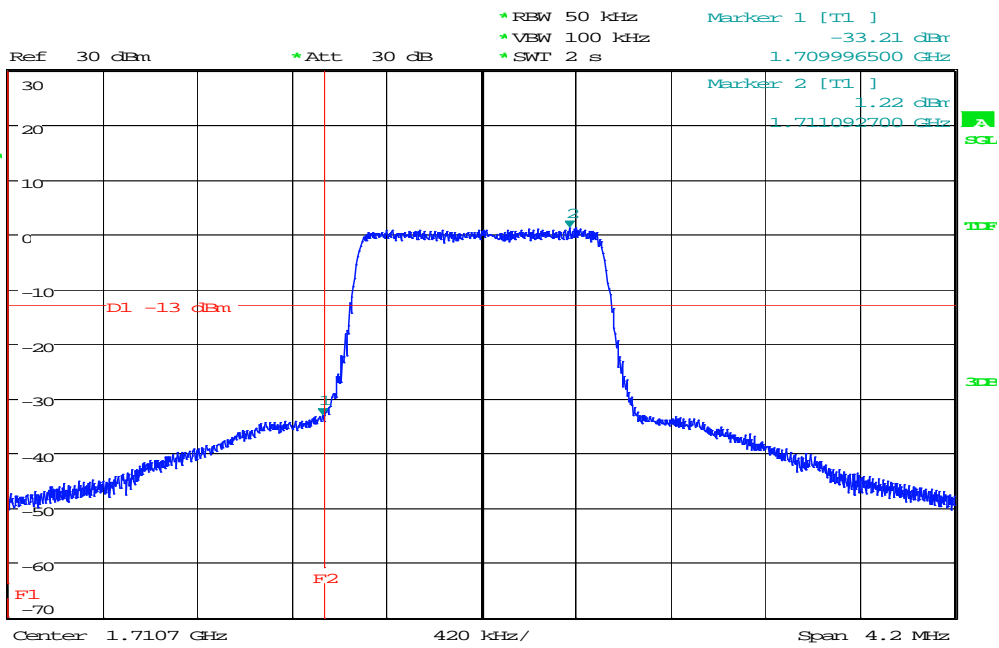
BAND4-1754.3MHz,QPSK-1RB_LOW@Pass
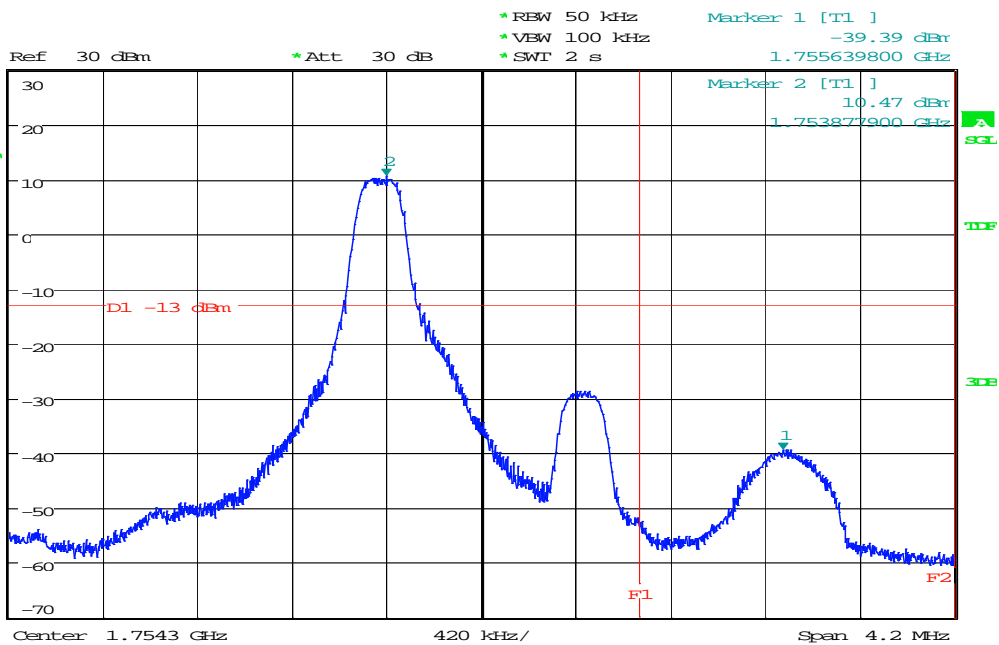
BAND4-1754.3MHz,QPSK-1RB_HIGH@Pass

Report No.: FCC16053699-4
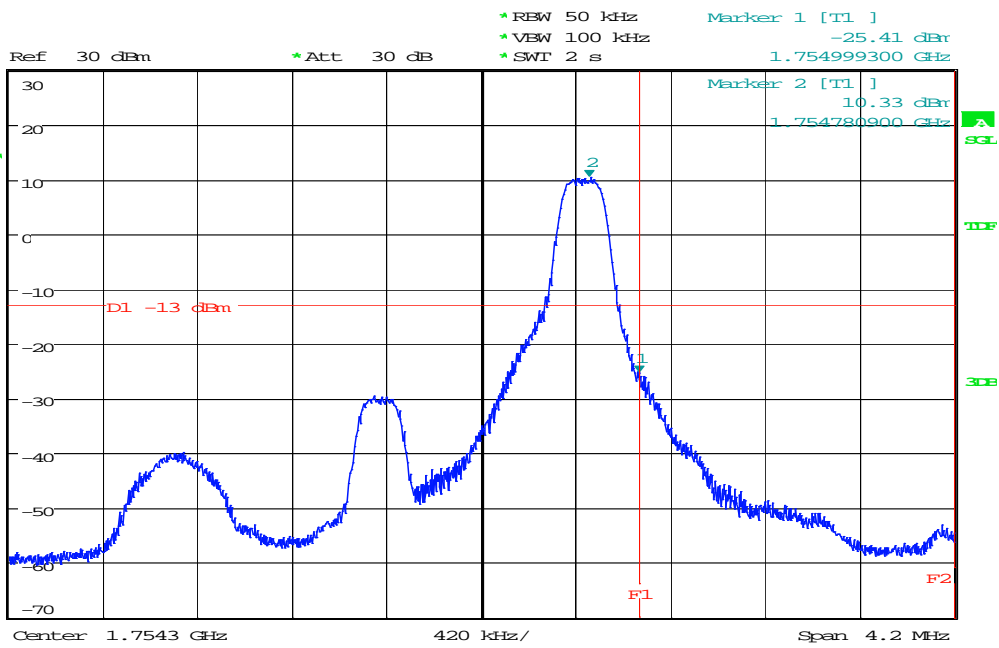
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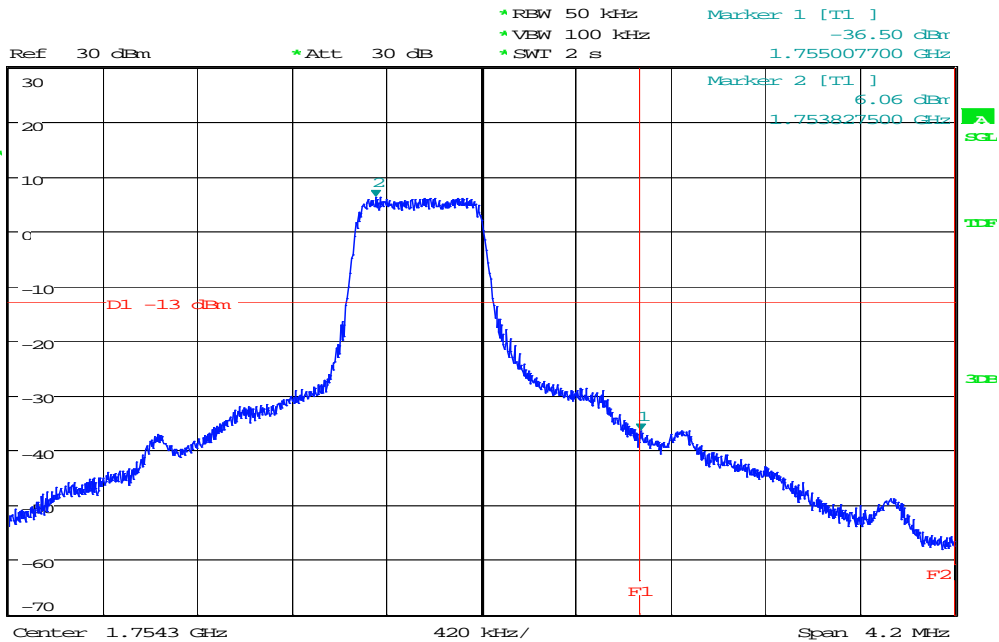
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Report No.: FCC16053699-4
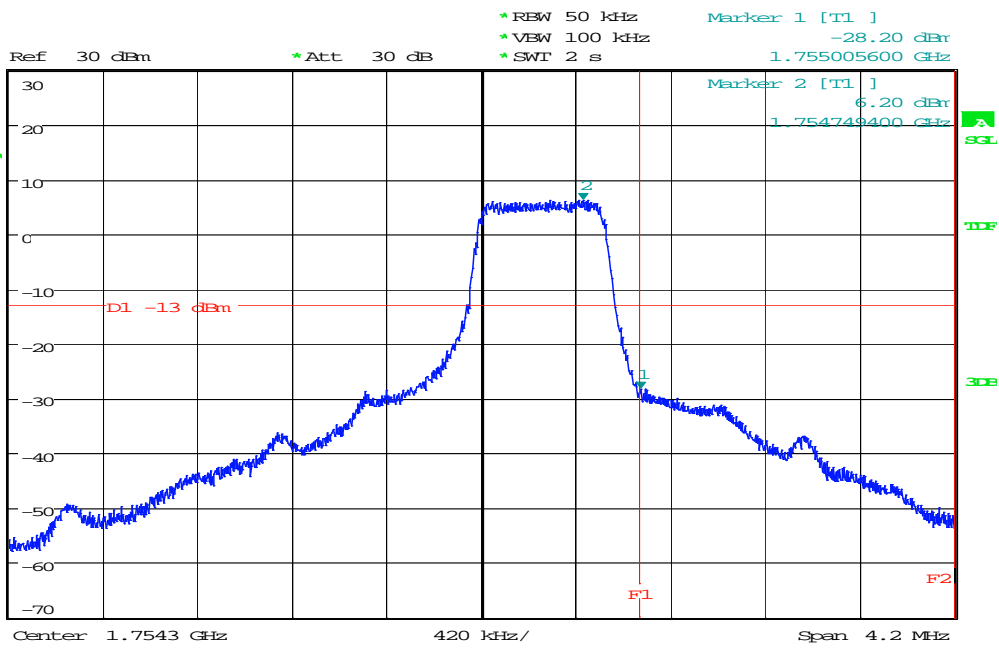
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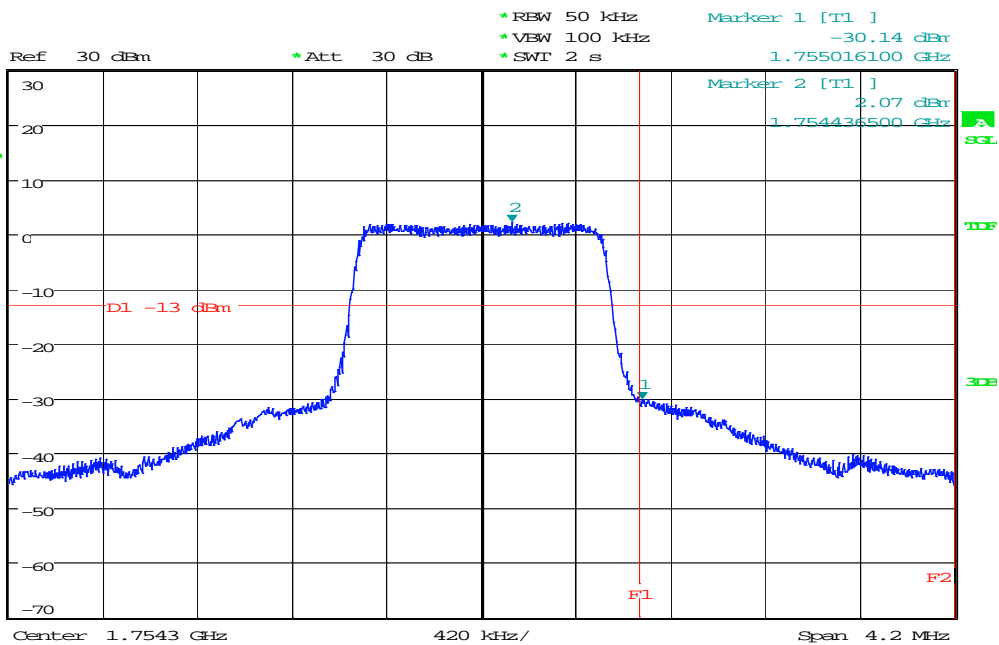
BAND4-1754.3MHz,Q16-1RB_LOW@Pass

Report No.: FCC16053699-4
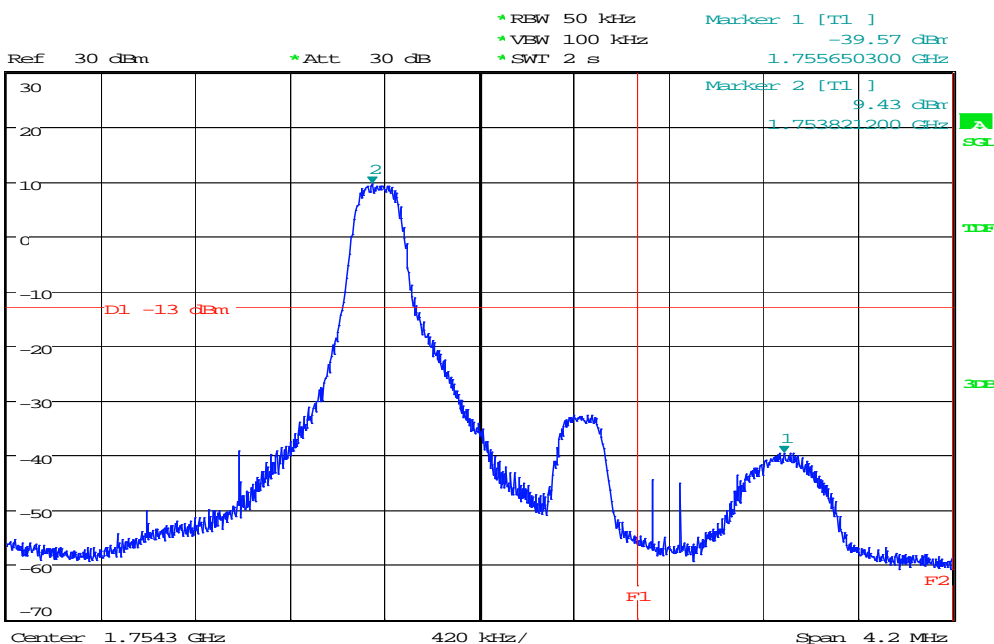
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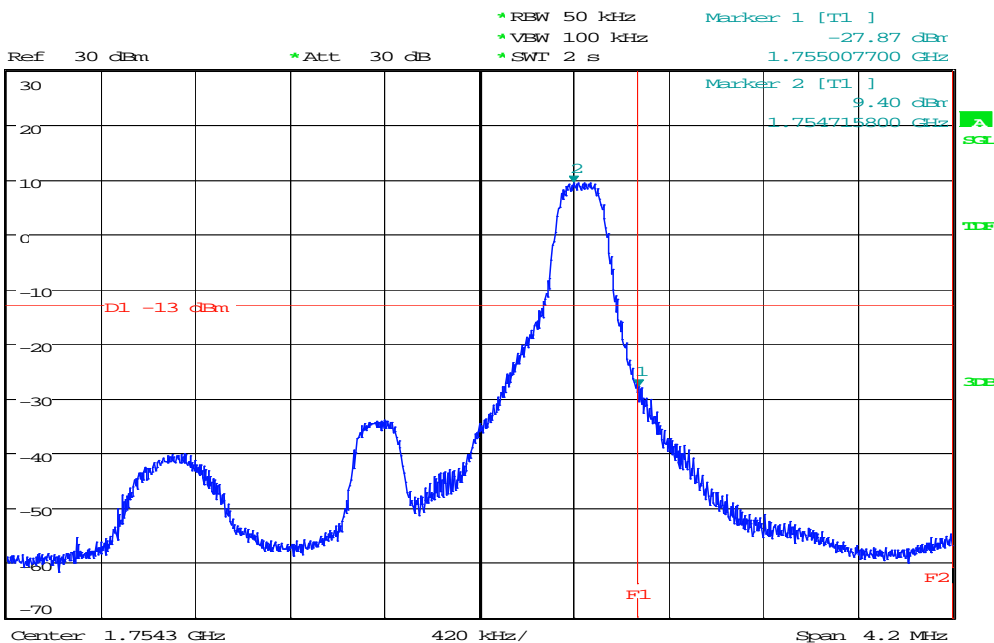
BAND4-1754.3MHz,Q16-3RB_LOW@Pass

Report No.: FCC16053699-4
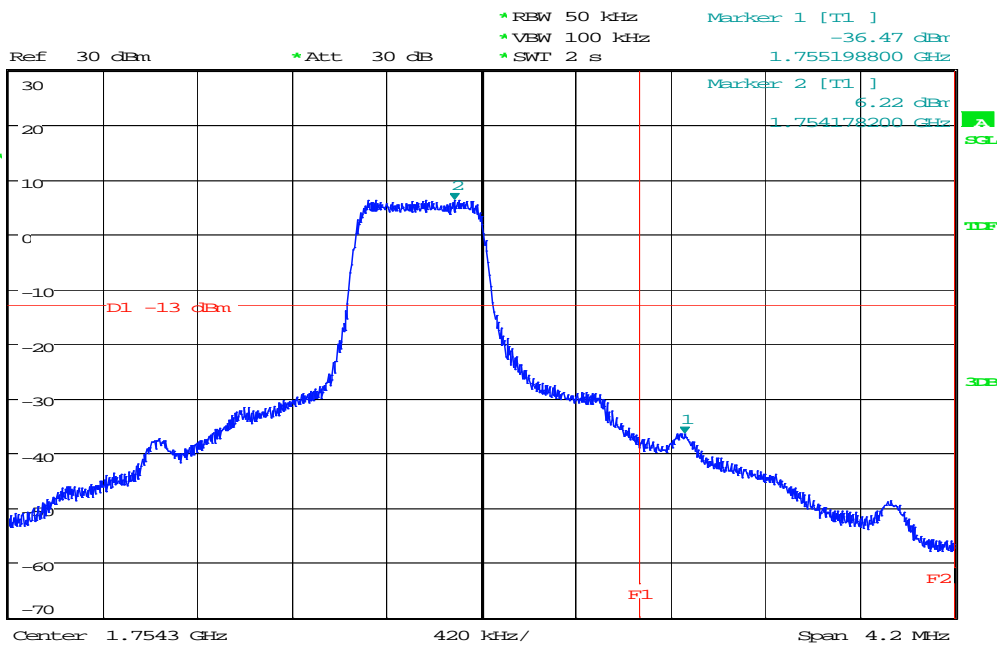
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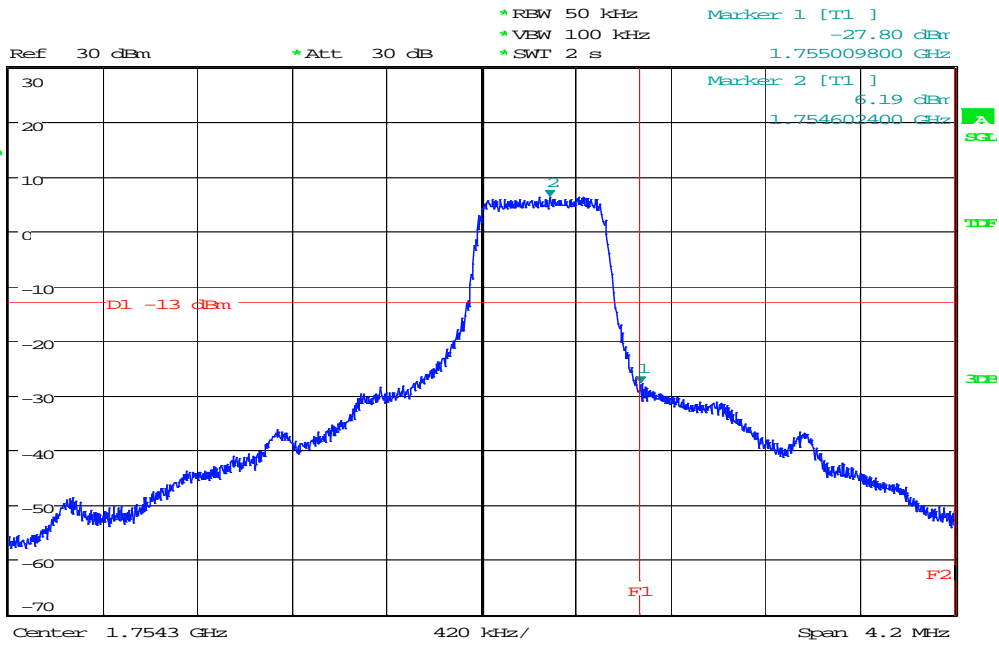
BAND4-1754.3MHz,Q16-6RB_LOW@Pass

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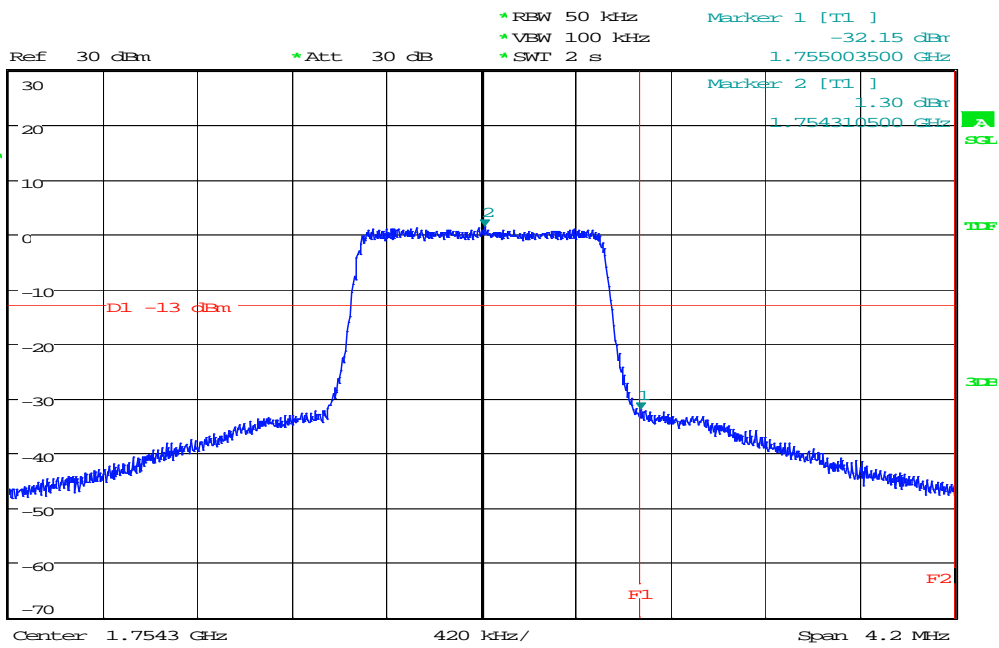
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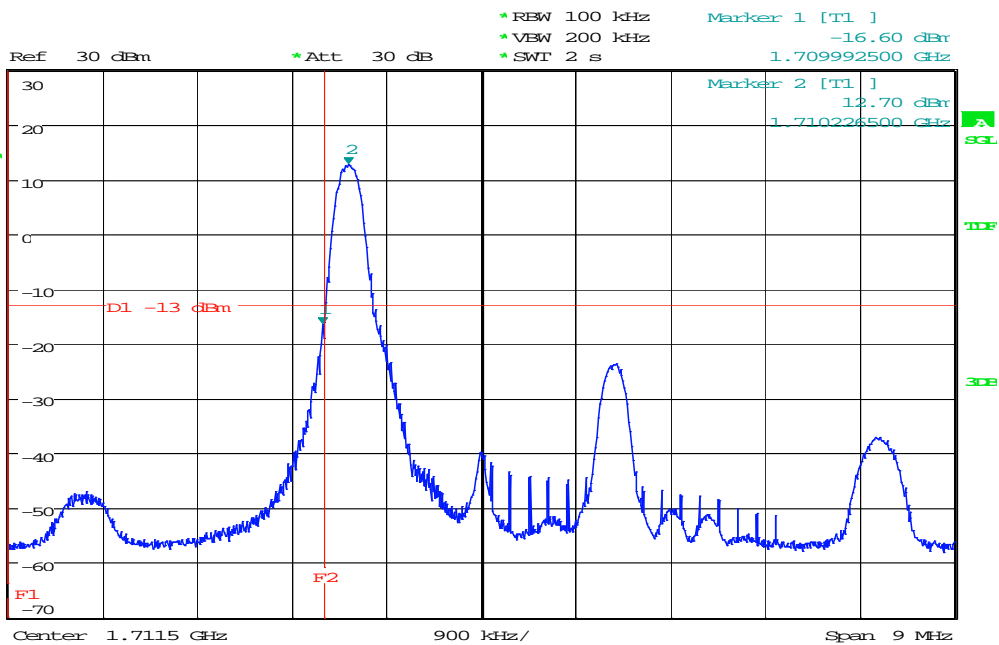
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Report No.: FCC16053699-4
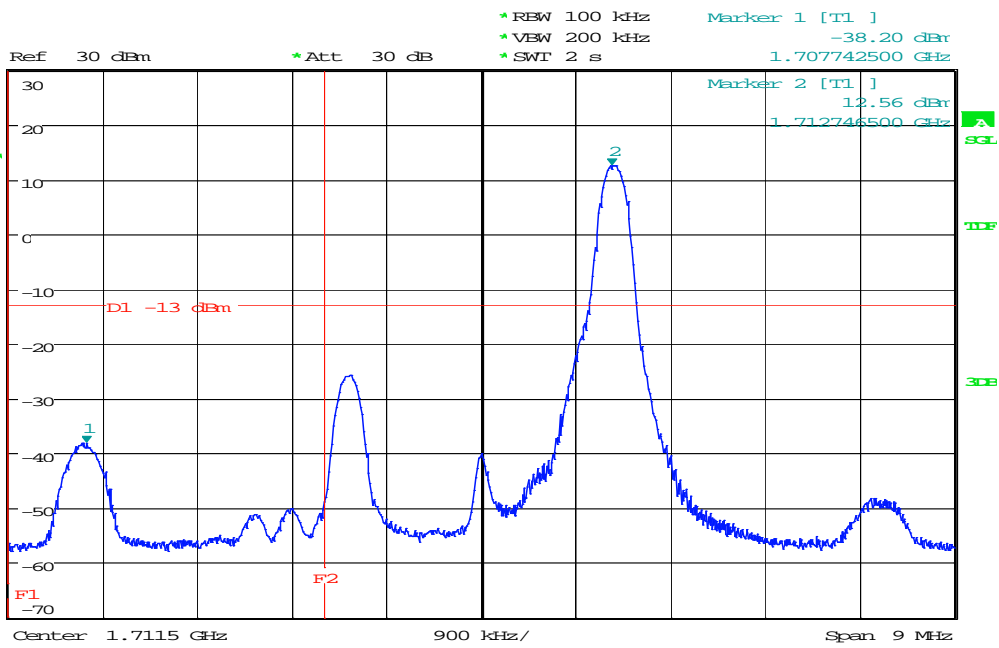
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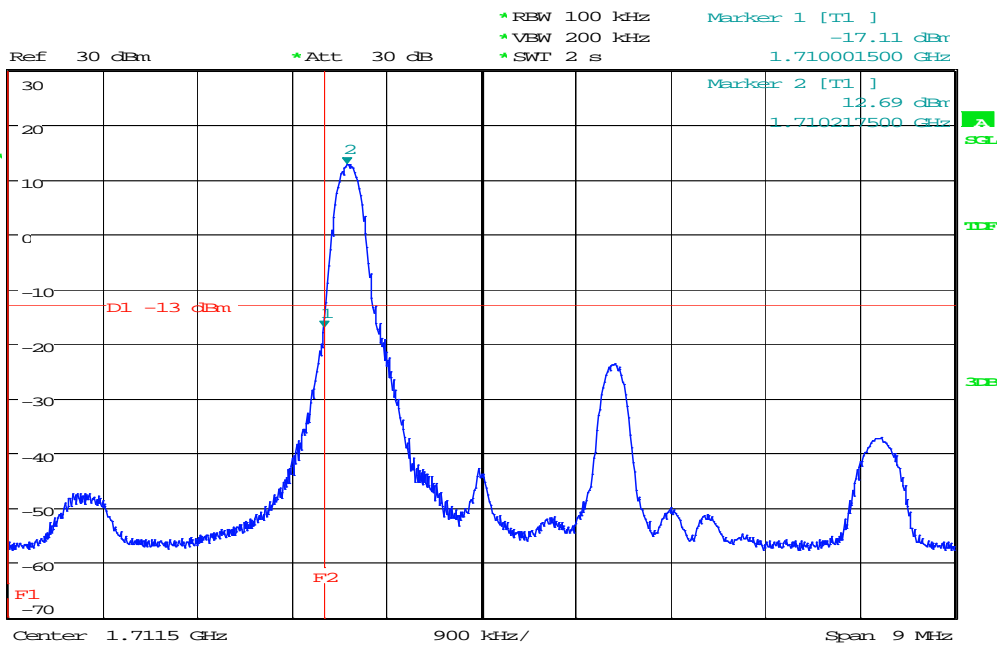
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Report No.: FCC16053699-4
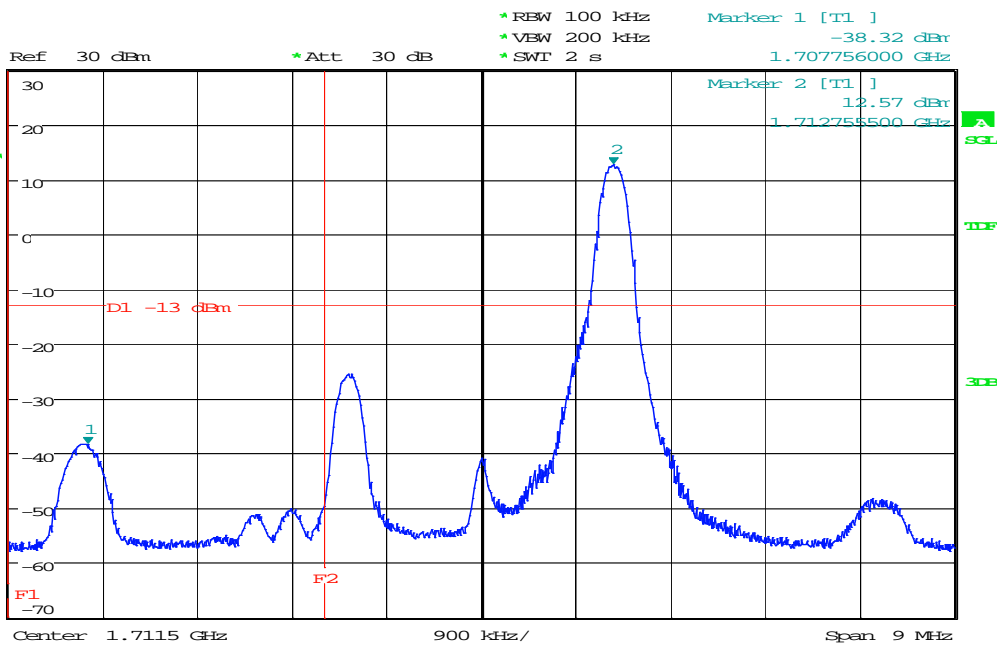
BAND4-1711.5MHz,QPSK-15RB_LOW @Pass
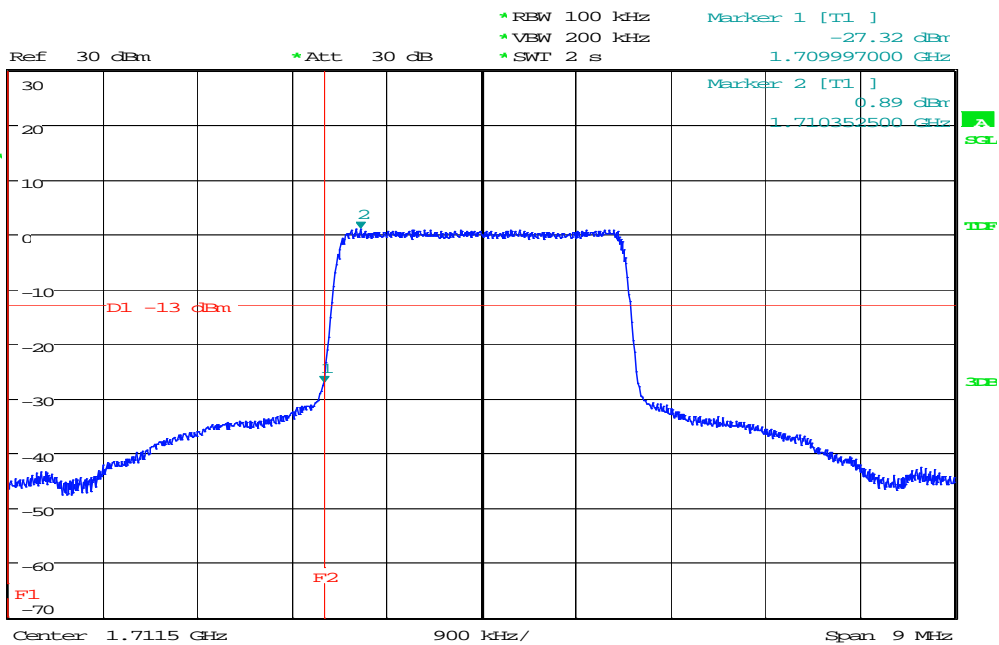
BAND4-1711.5MHz,Q16-1RB_LOW @Pass

Report No.: FCC16053699-4

BAND4-1711.5MHz,Q16-1RB_HIGH@Pass
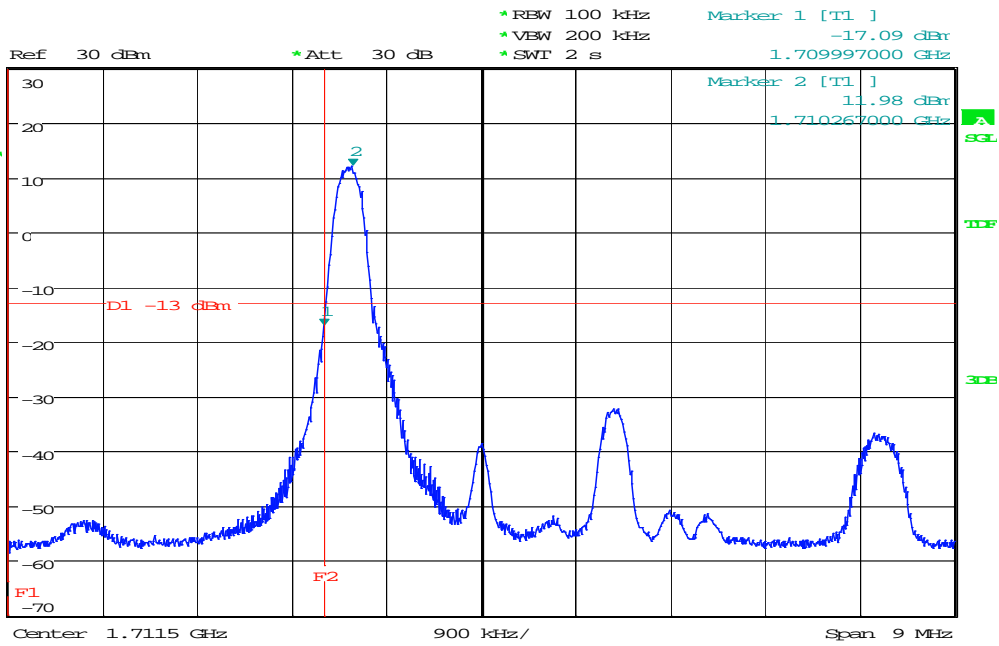
Date: 16.JUN.2016   10:42:25

BAND4-1711.5MHz,Q16-8RB_LOW@Pass
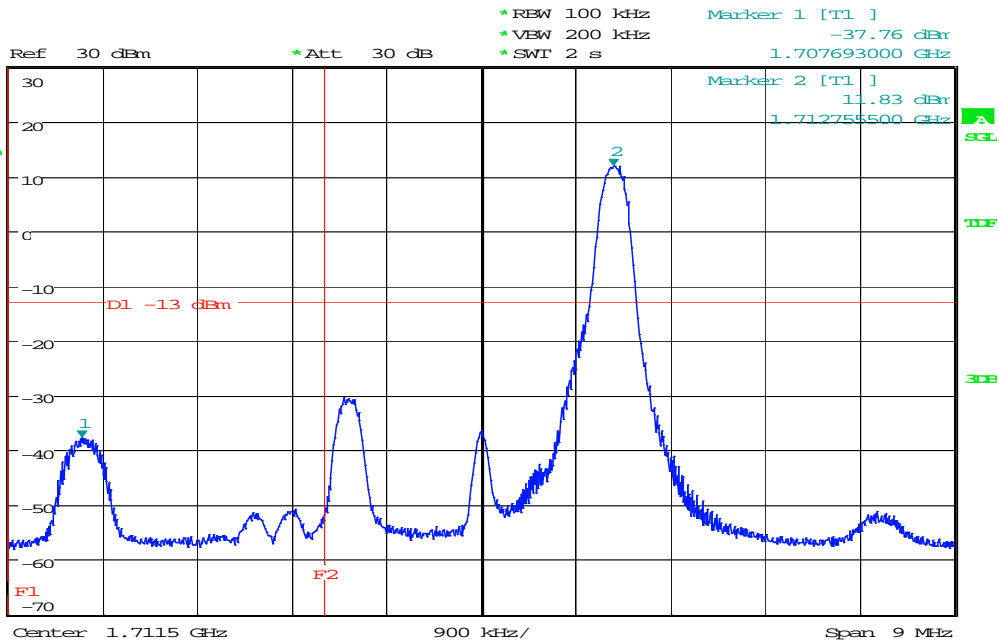
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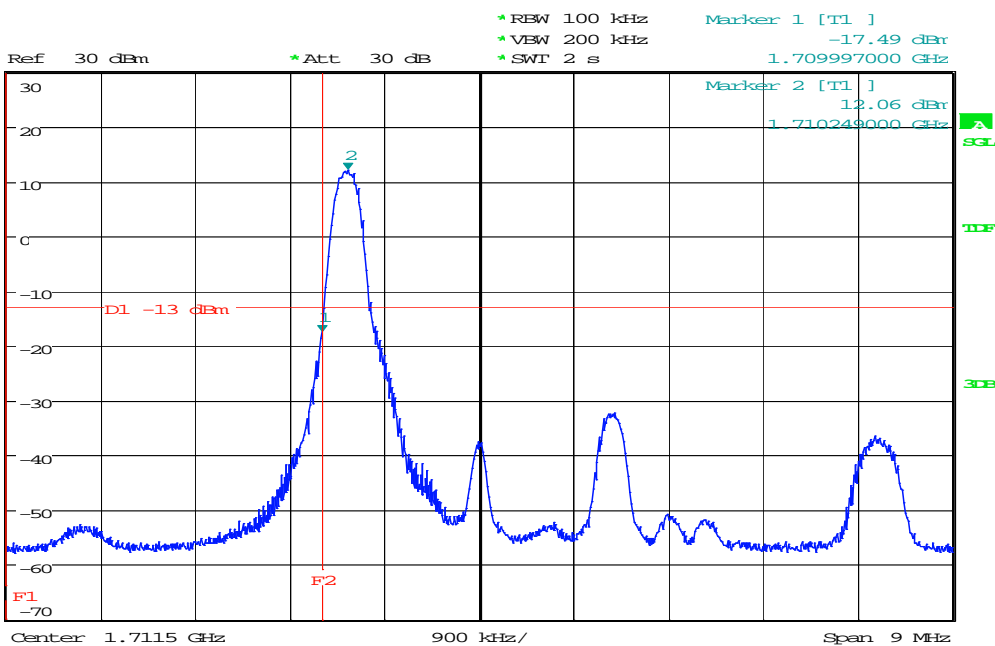
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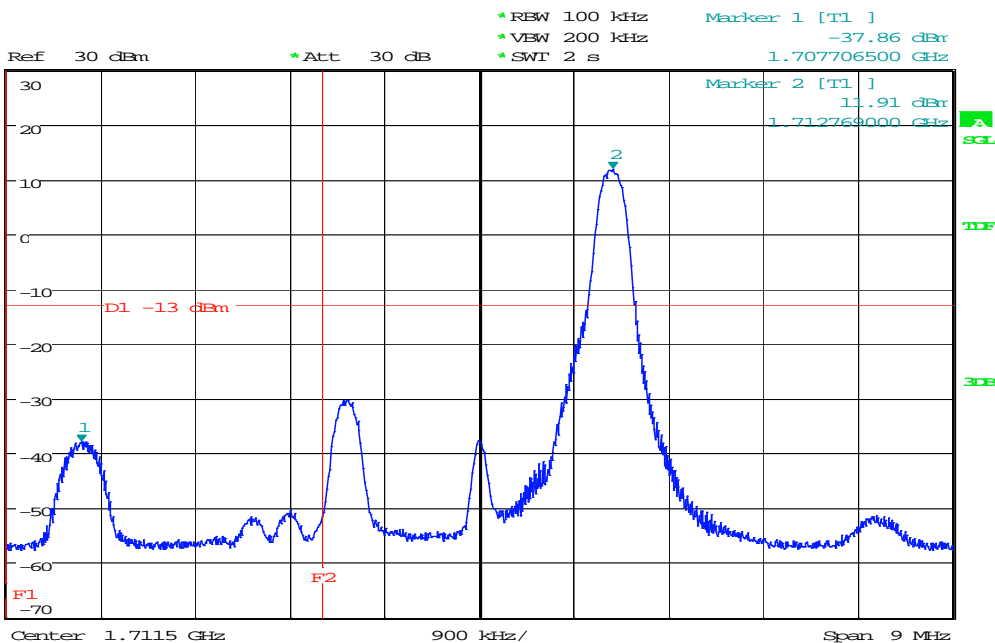
BAND4-1711.5MHz,Q16-15RB_LOW@Pass

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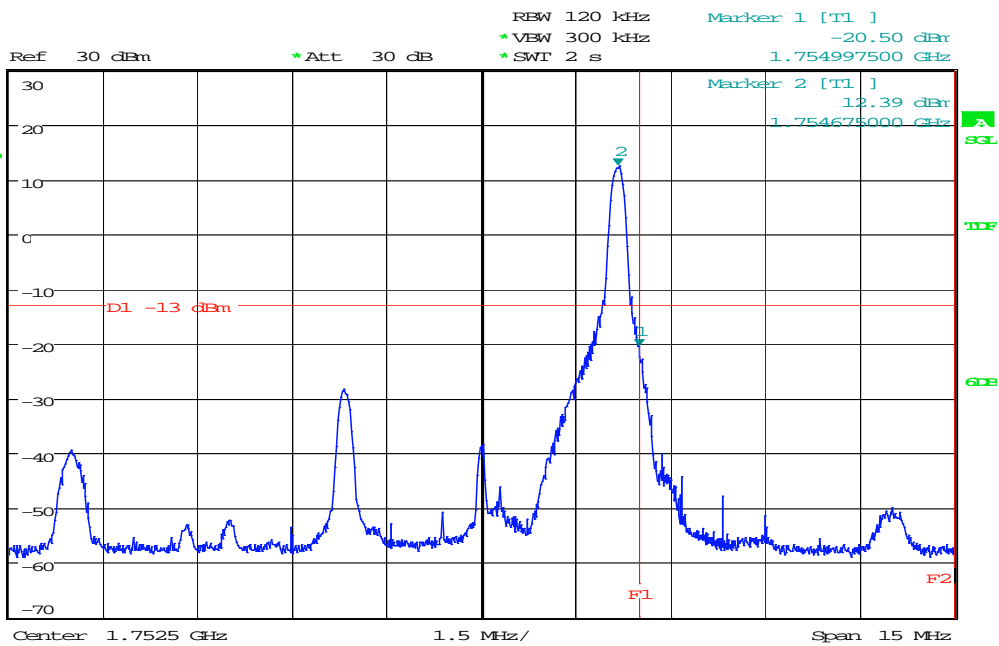
BAND4-1753.5MHz,QPSK-1RB_LOW@Pass

Date: 16.JUN.2016   10:43:07

BAND4-1753.5MHz,QPSK-1RB_HIGH@Pass
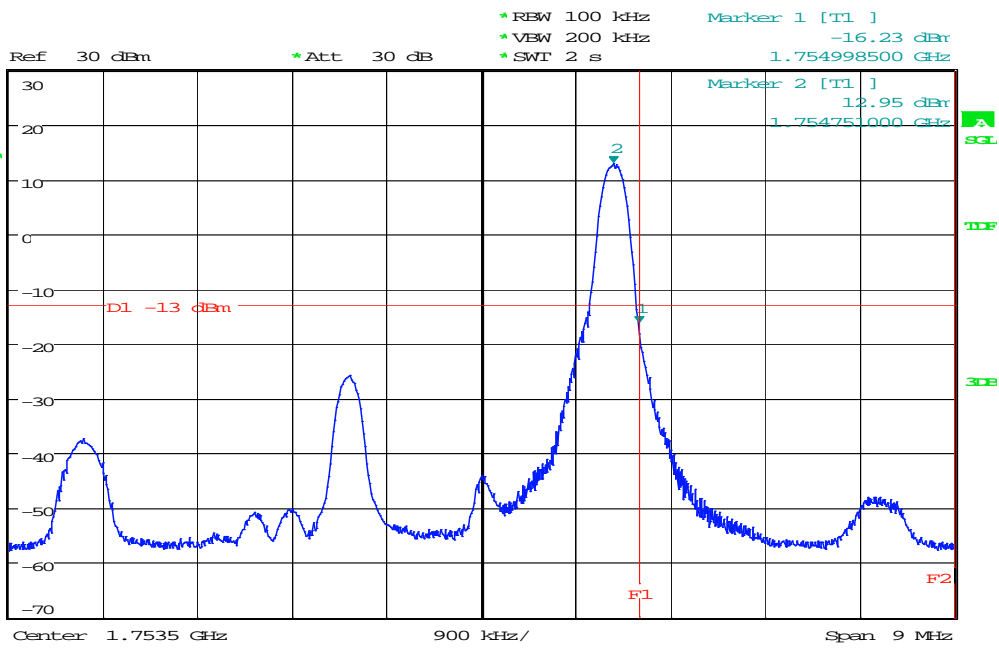
Date: 16.JUN.2016   10:43:19

BAND4-1753.5MHz,QPSK-8RB_LOW@Pass
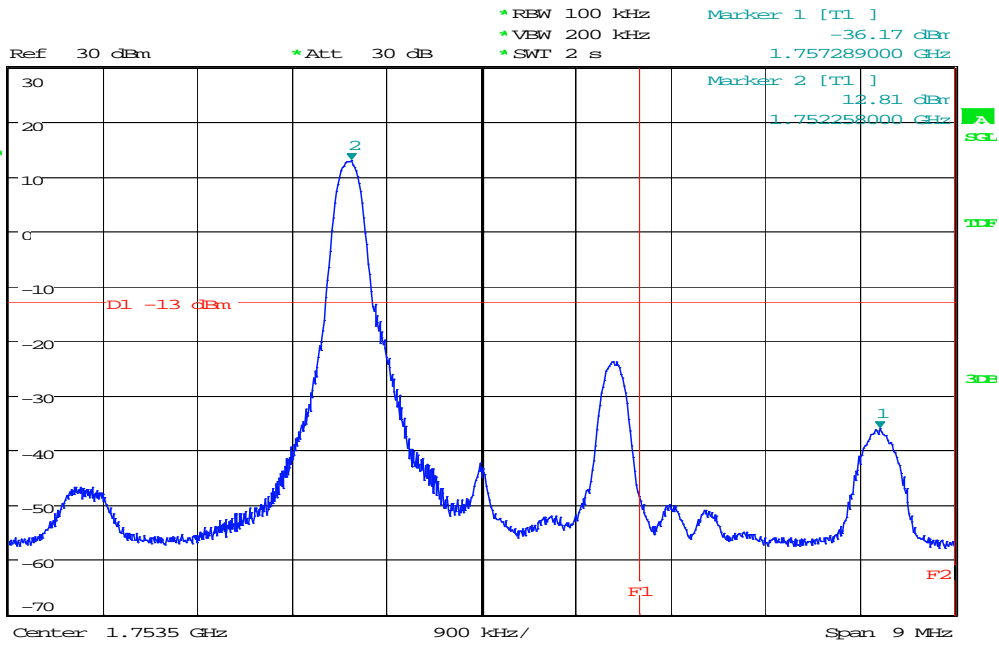
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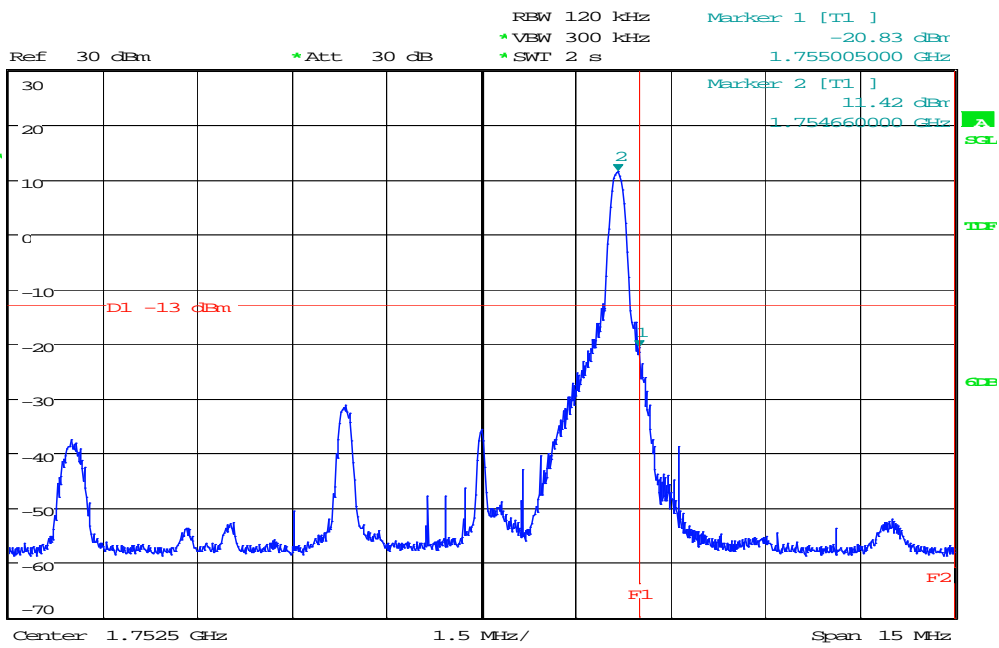
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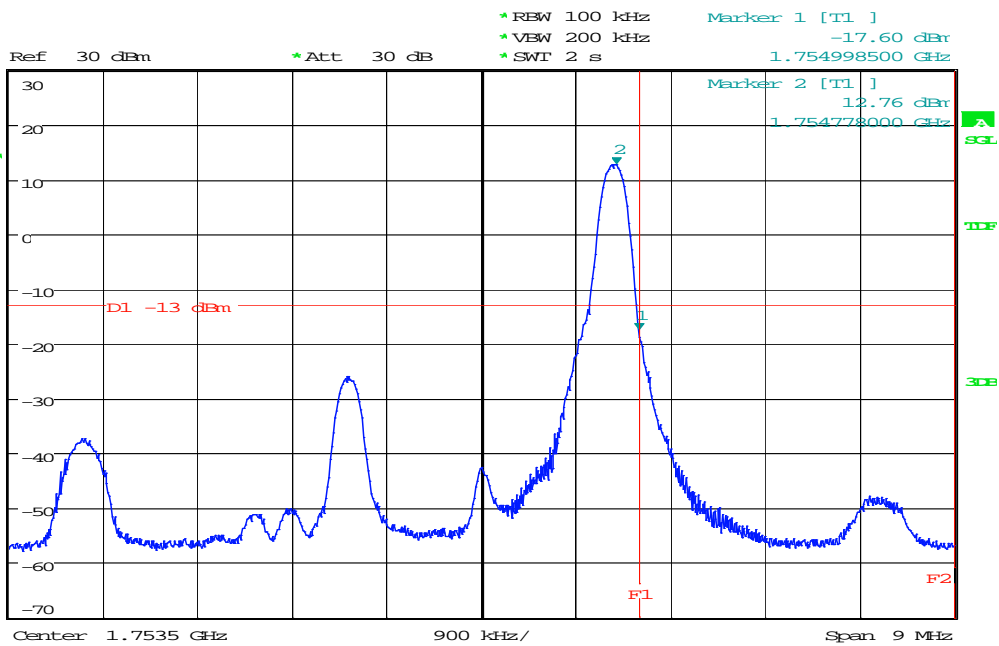
Date: 16.JUN.2016 10:43:50

BAND4-1753.5MHz,QPSK-15RB_LOW @Pass
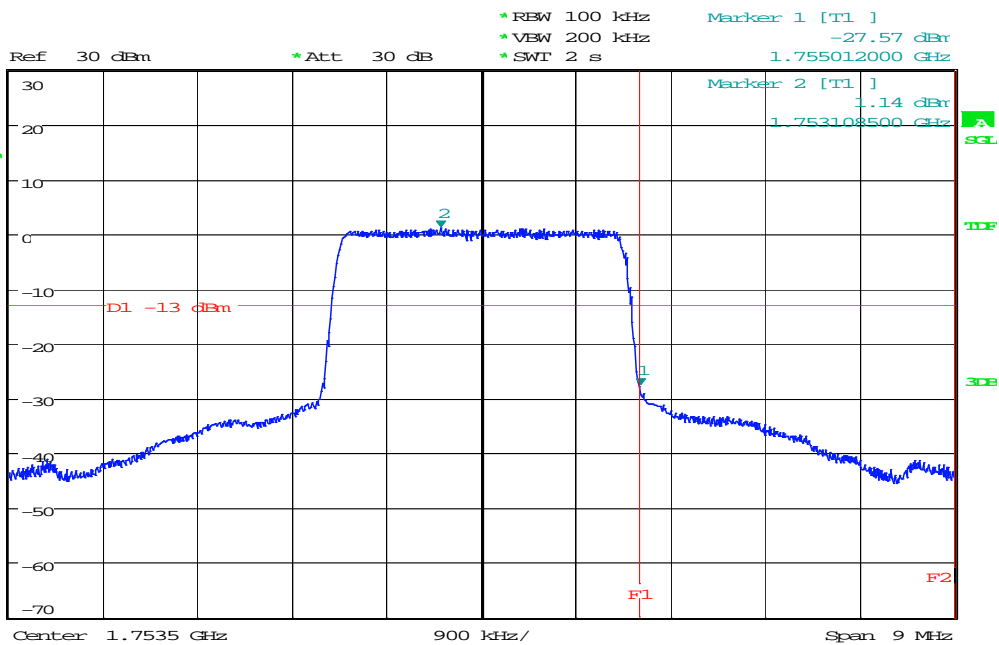
Date: 16.JUN.2016 10:44:01

BAND4-1753.5MHz,Q16-1RB_LOW @Pass
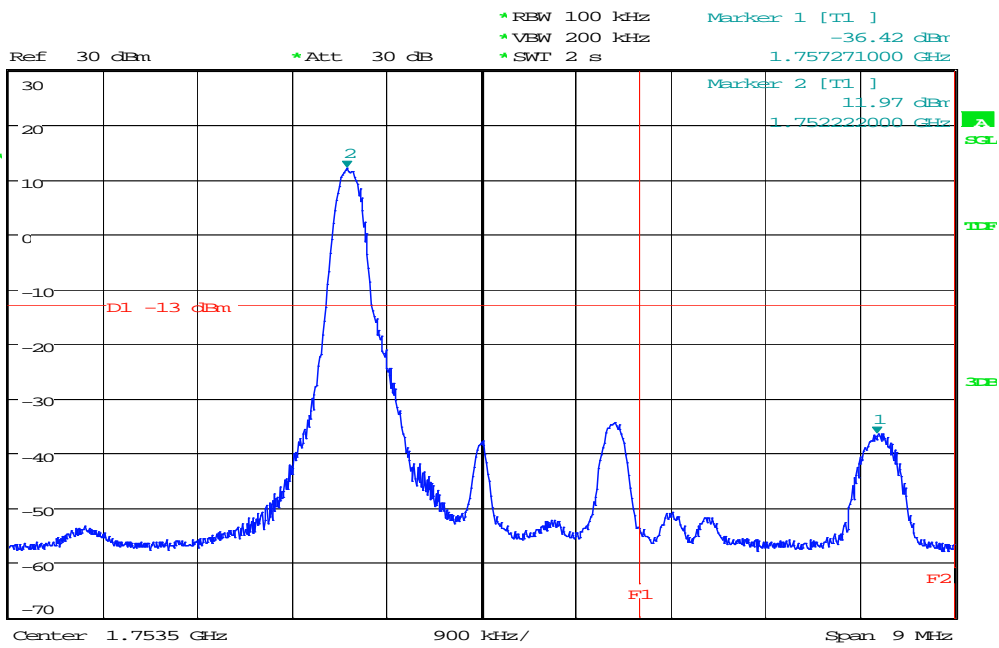
BAND4-1753.5MHz,Q16-1RB_HIGH@Pass

BAND4-1753.5MHz,Q16-8RB_LOW@Pass
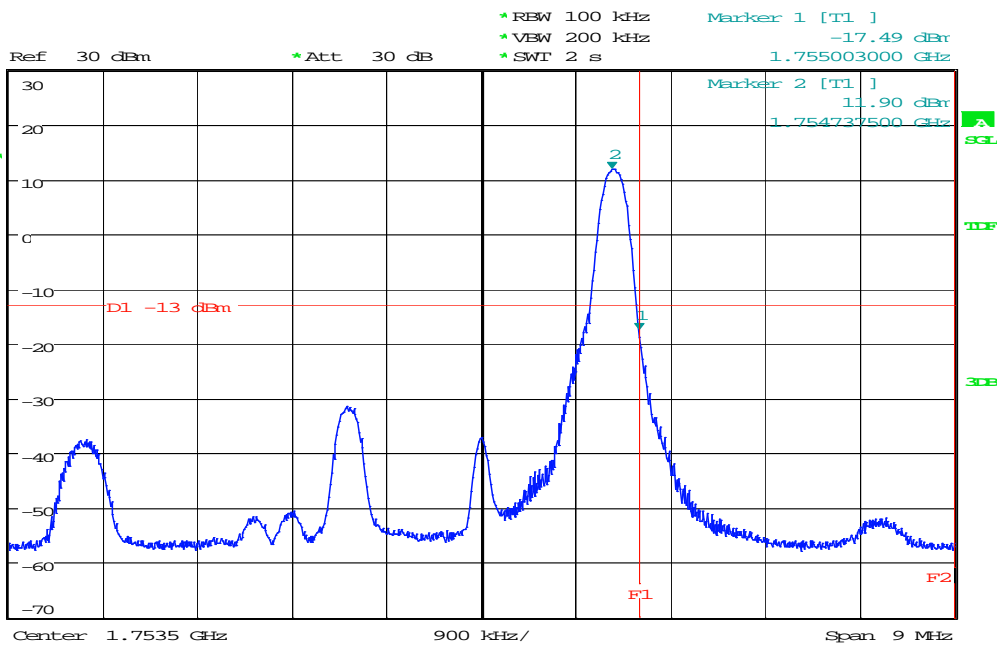
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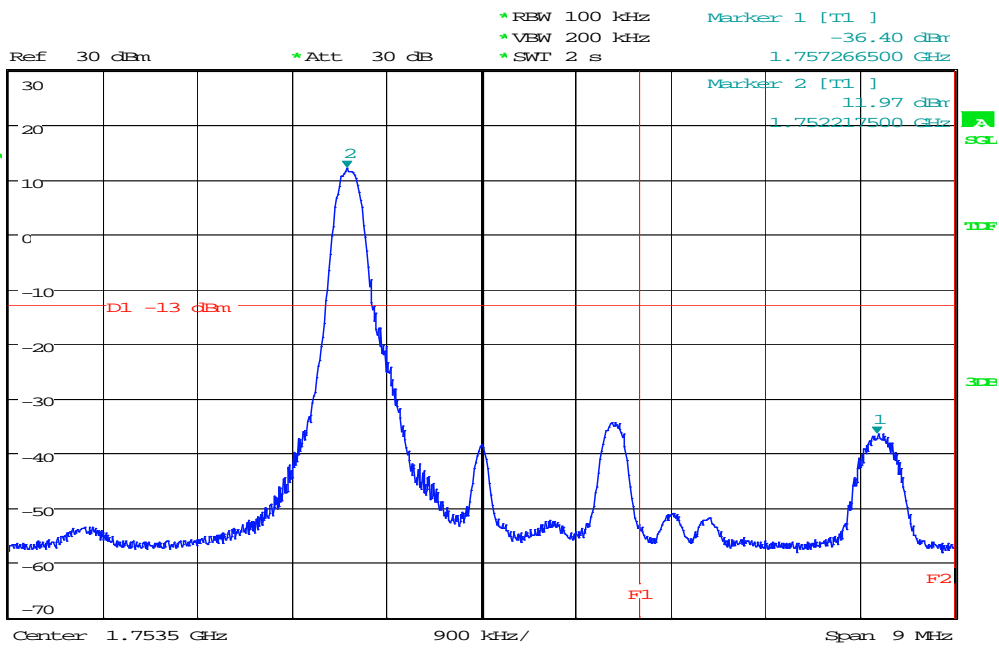
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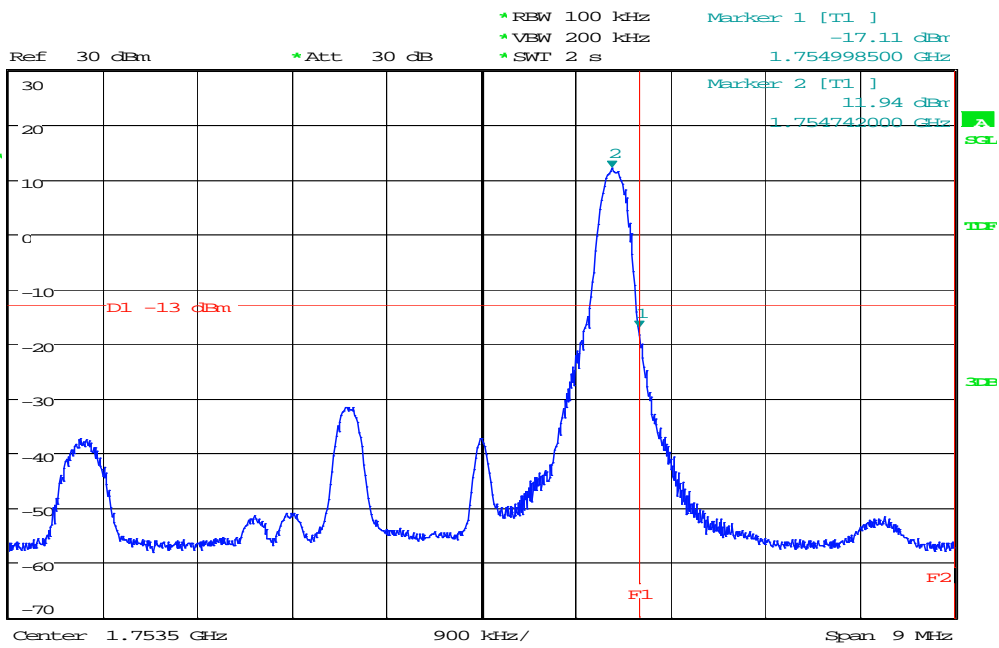
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Report No.: FCC16053699-4

BAND4-1712.5MHz,QPSK-1RB_LOW@Pass
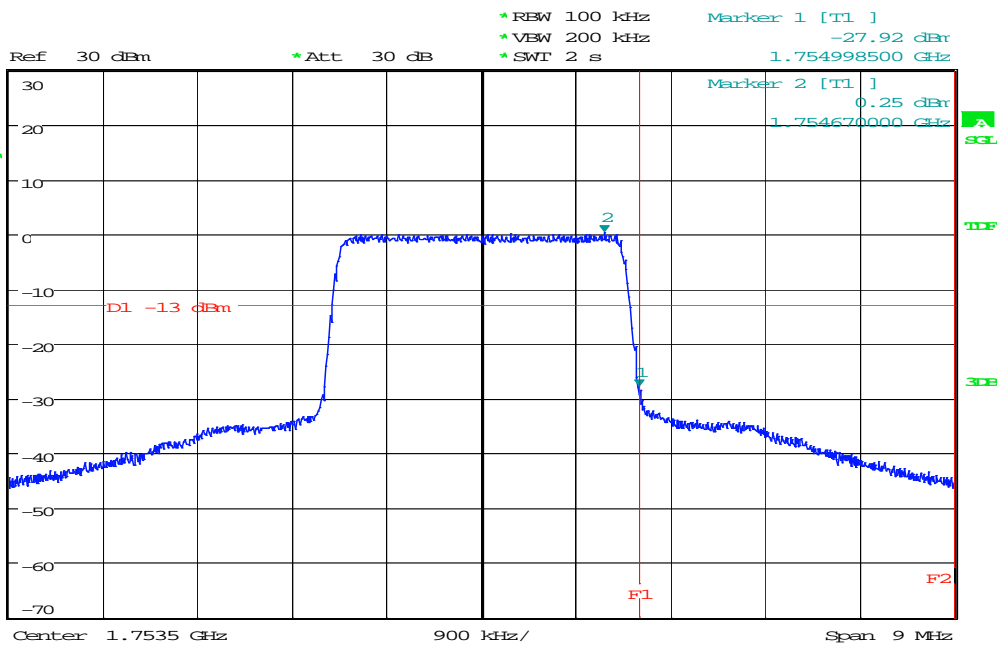
Date: 16.JUN.2016 10:44:56

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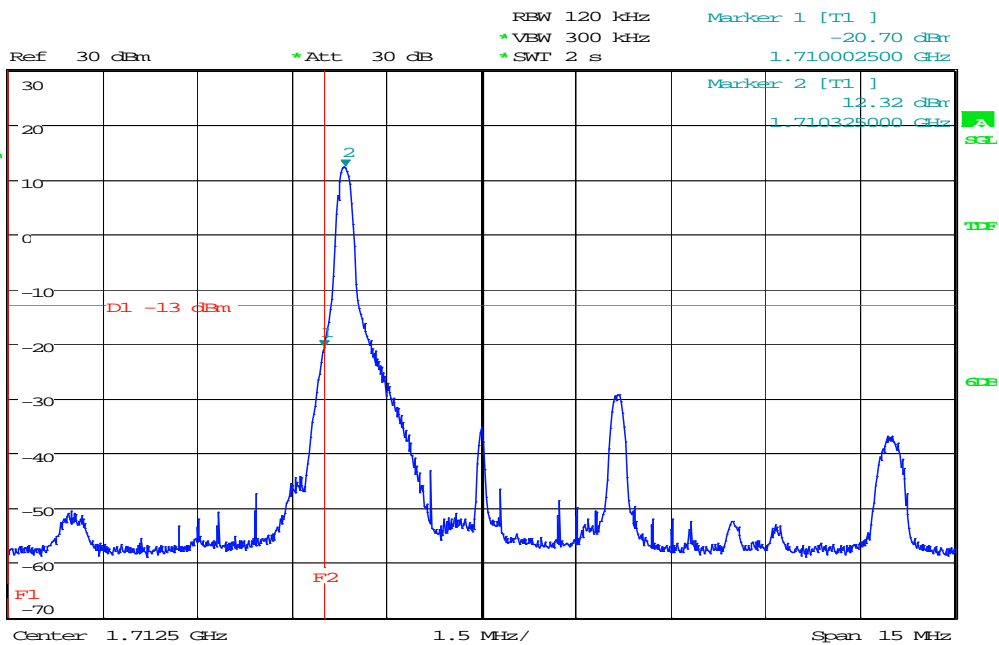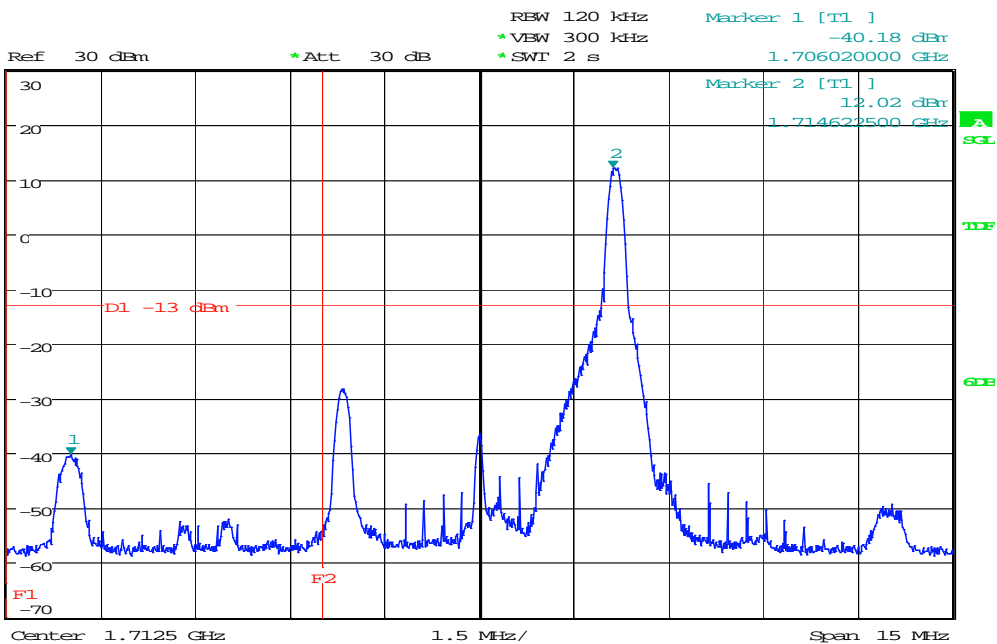
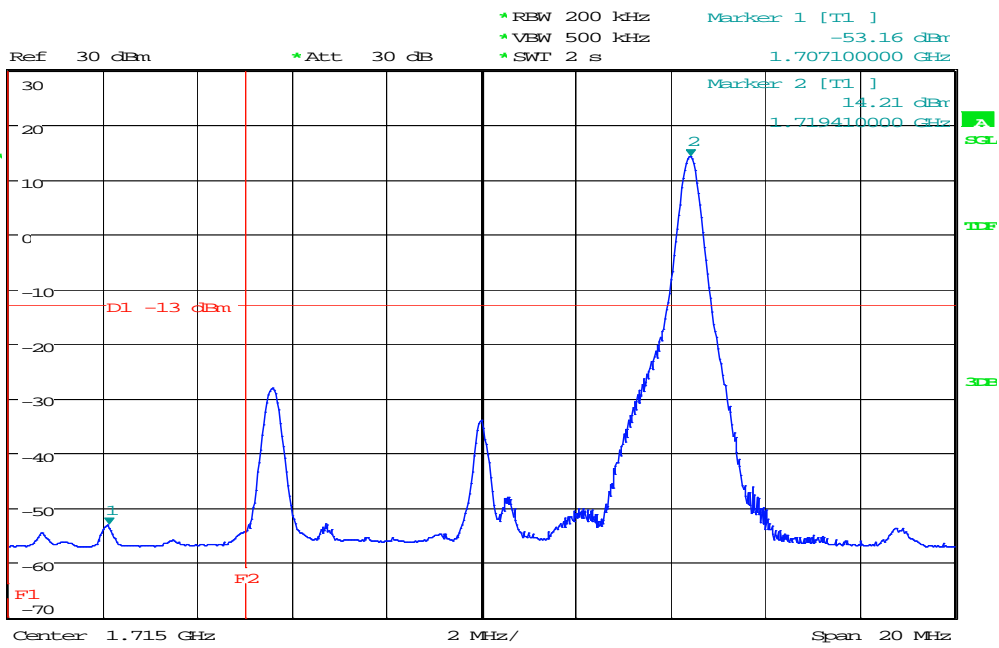Date: 16.JUN.2016 10:45:10

BAND4-1712.5MHz,QPSK-12RB_LOW @Pass

BAND4-1712.5MHz,QPSK-12RB_HIGH @Pass

Report No.: FCC16053699-4
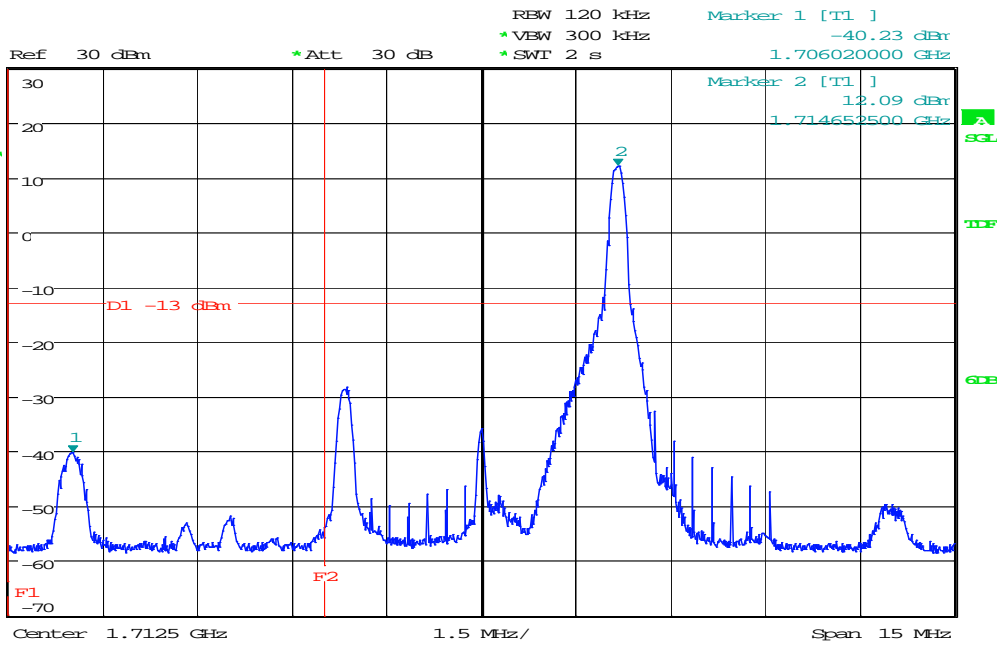
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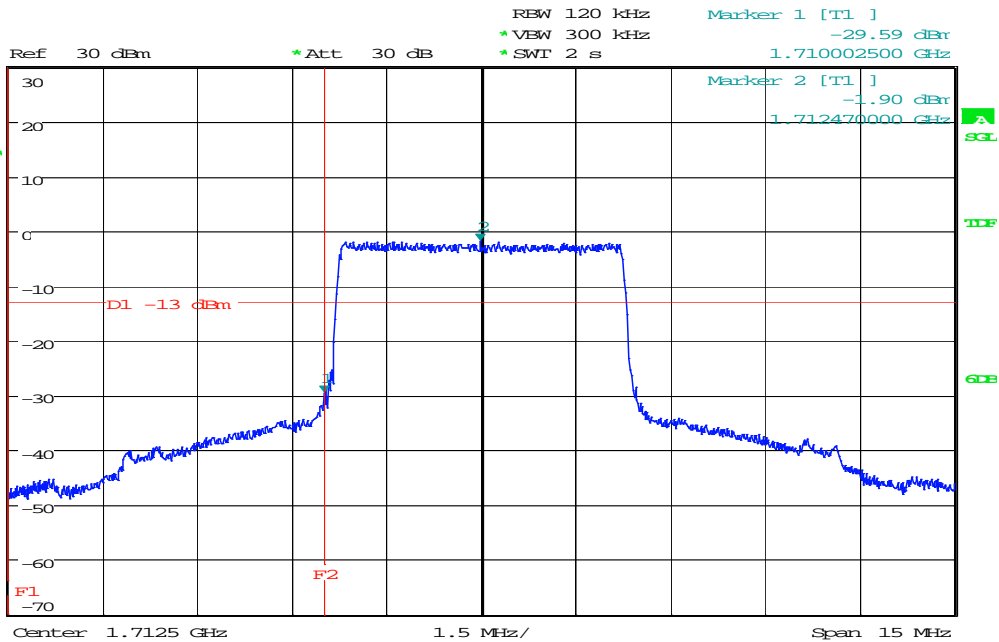
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Report No.: FCC16053699-4
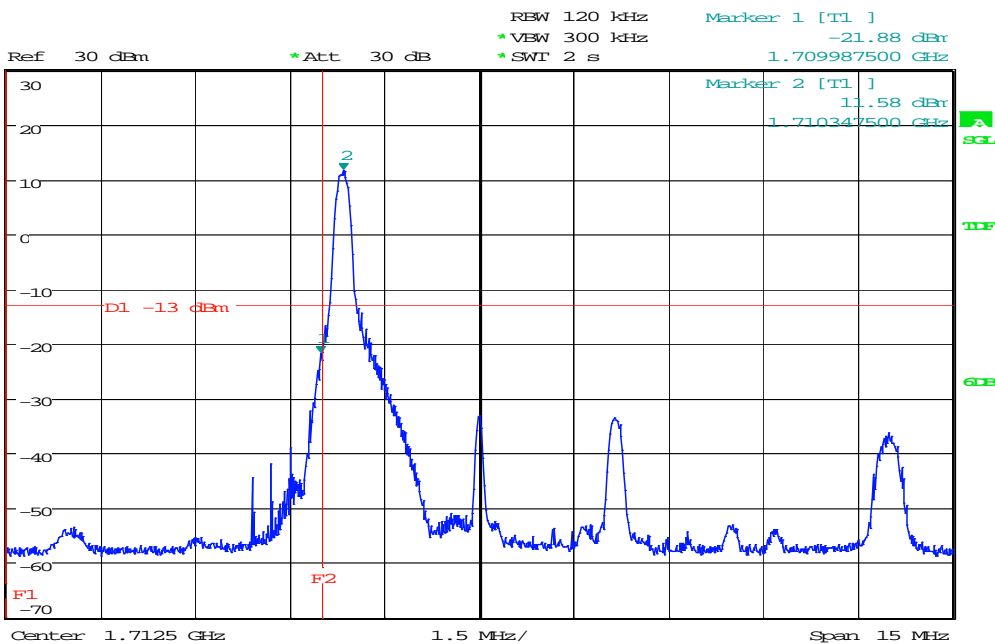
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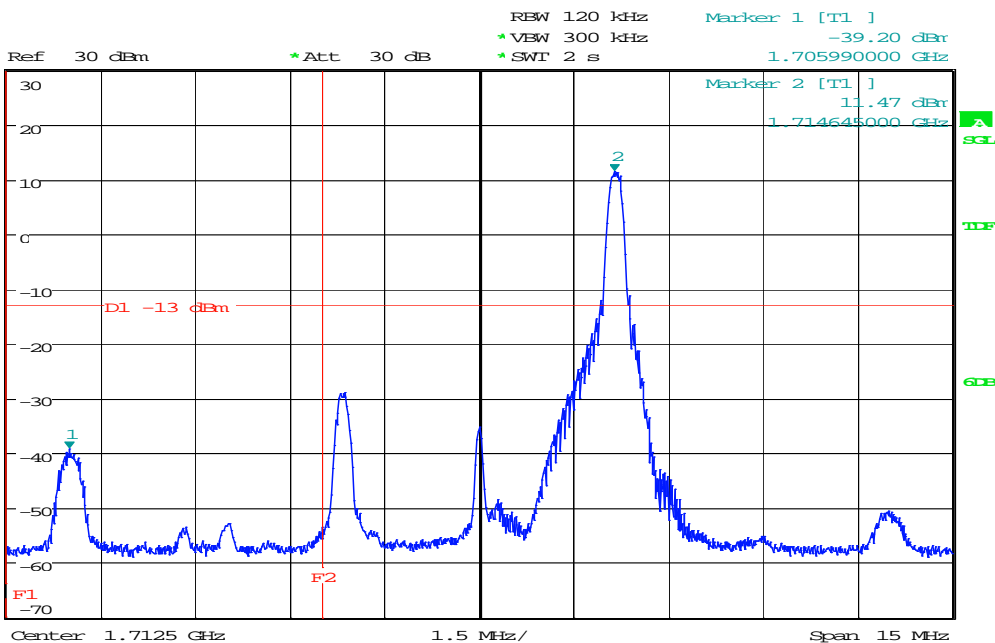
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Report No.: FCC16053699-4
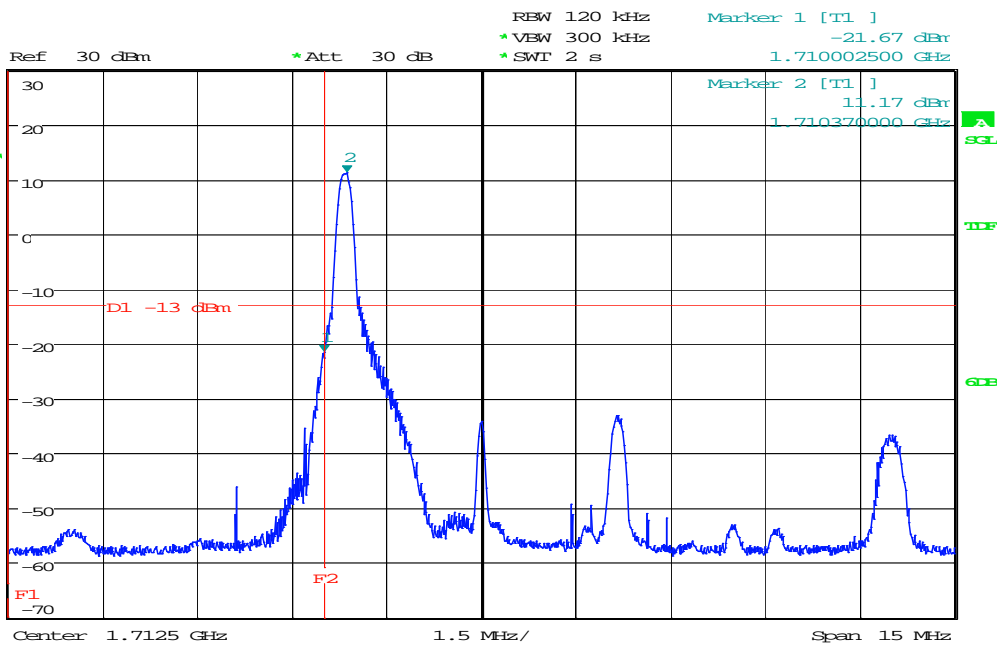
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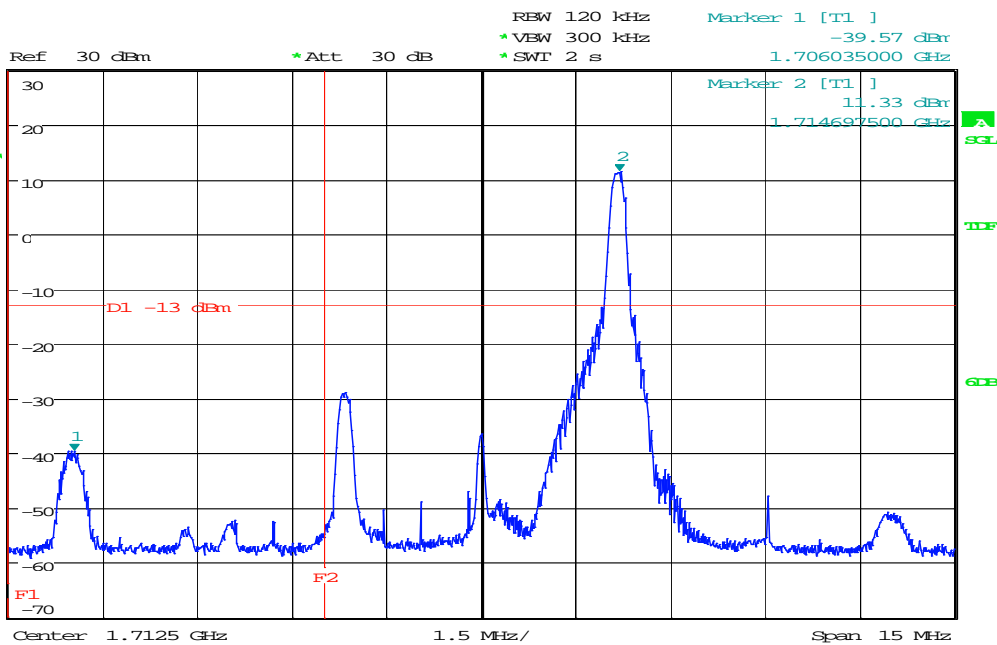
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Report No.: FCC16053699-4
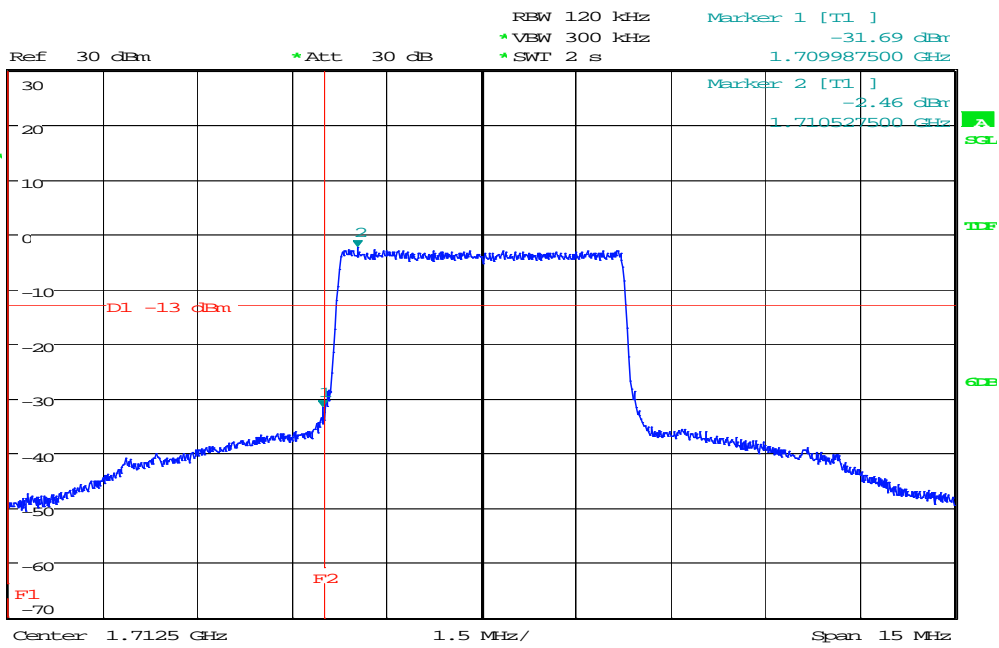
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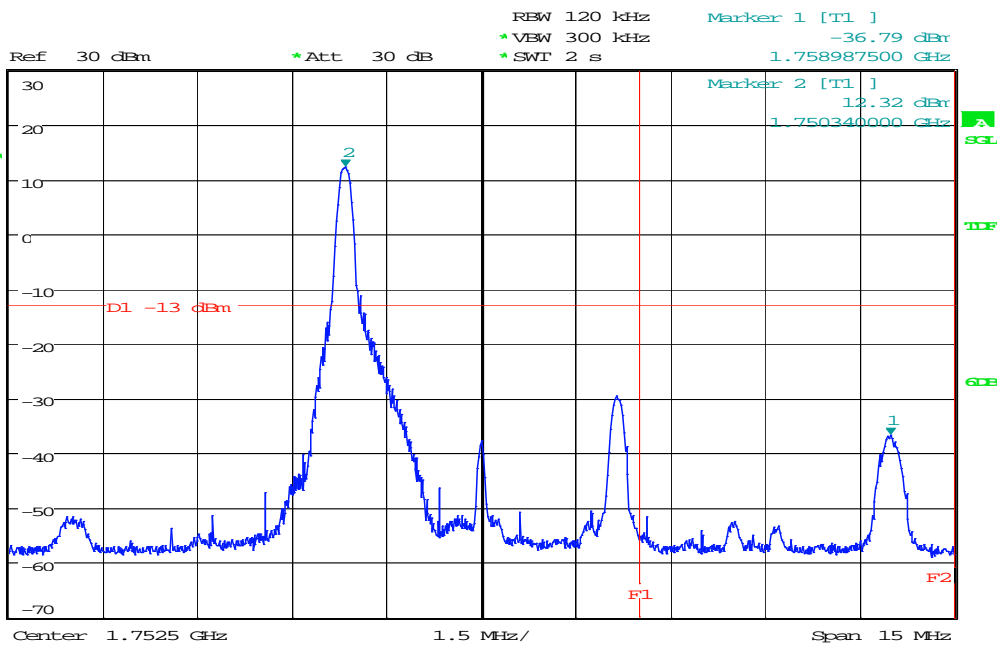
BAND4-1752.5MHz,QPSK-1RB_HIGH@Pass

Report No.: FCC16053699-4

Date: 16.JUN.2016 10:47:14

BAND4-1752.5MHz,QPSK-12RB_LOW@Pass
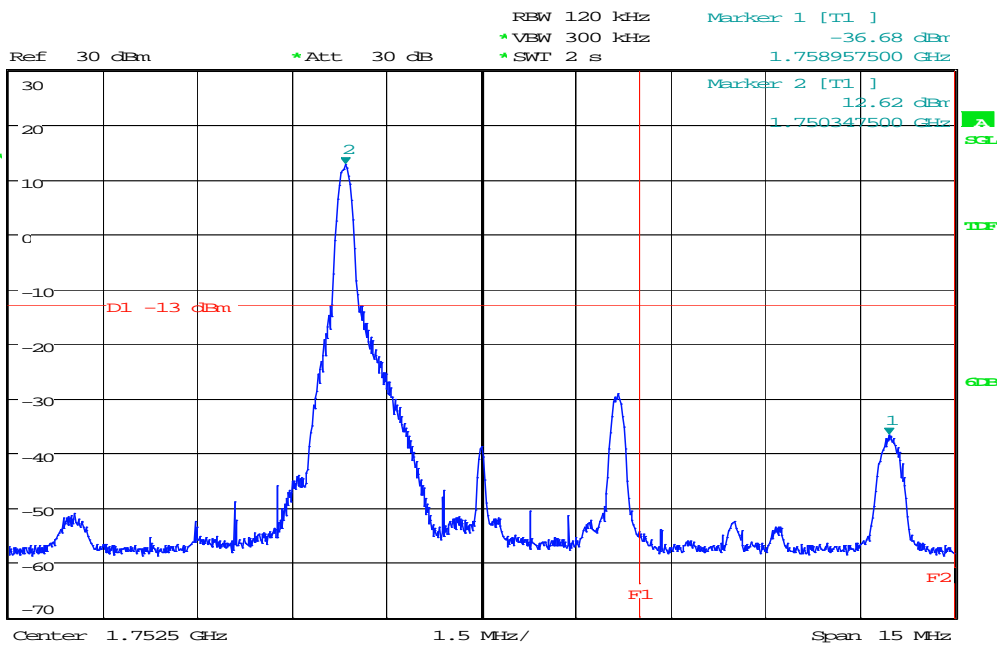
Date: 16.JUN.2016 10:47:25

BAND4-1752.5MHz,QPSK-12RB_HIGH@Pass

BAND4-1752.5MHz,QPSK-25RB_LOW@Pass

BAND4-1752.5MHz,Q16-1RB_LOW@Pass

Report No.: FCC16053699-4
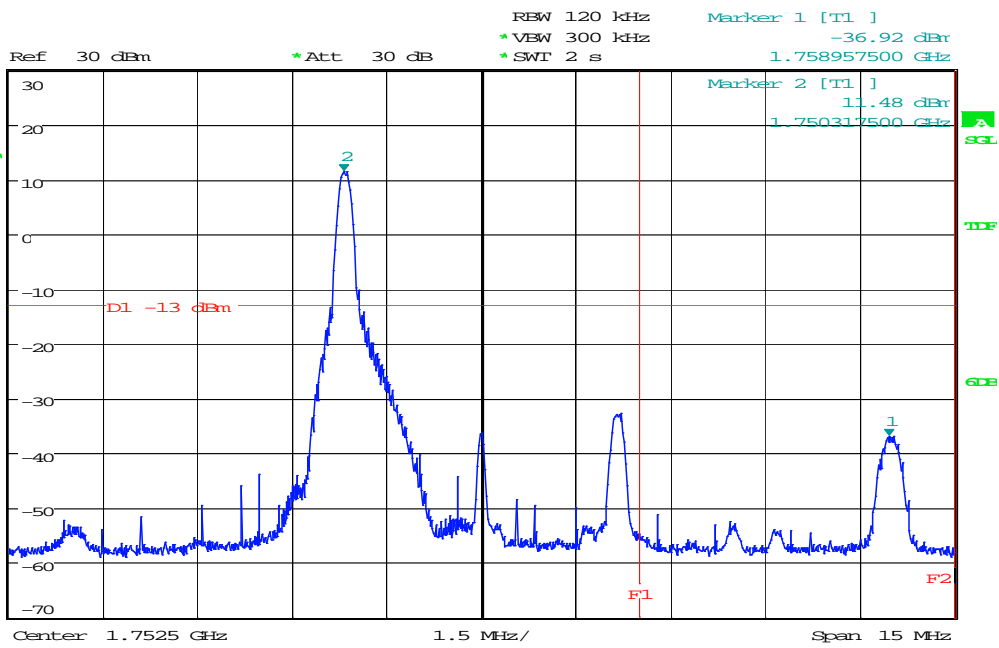
BAND4-1752.5MHz,Q16-1RB_HIGH@Pass

BAND4-1752.5MHz,Q16-12RB_LOW@Pass

Report No.: FCC16053699-4
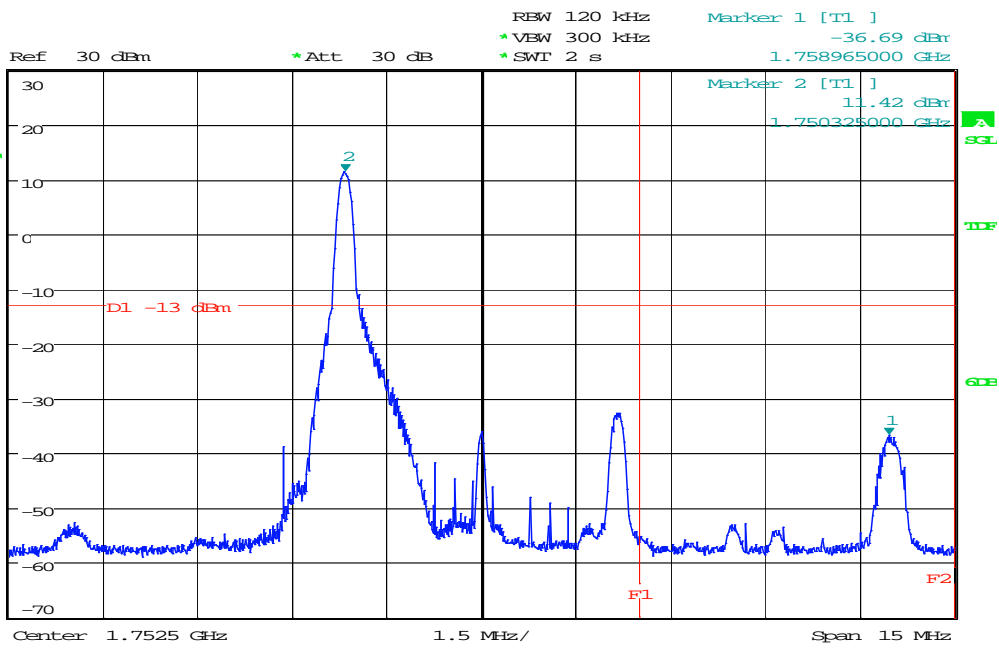
Date: 16.JUN.2016   10:48:25

BAND4-1752.5MHz,Q16-12RB_HIGH@Pass
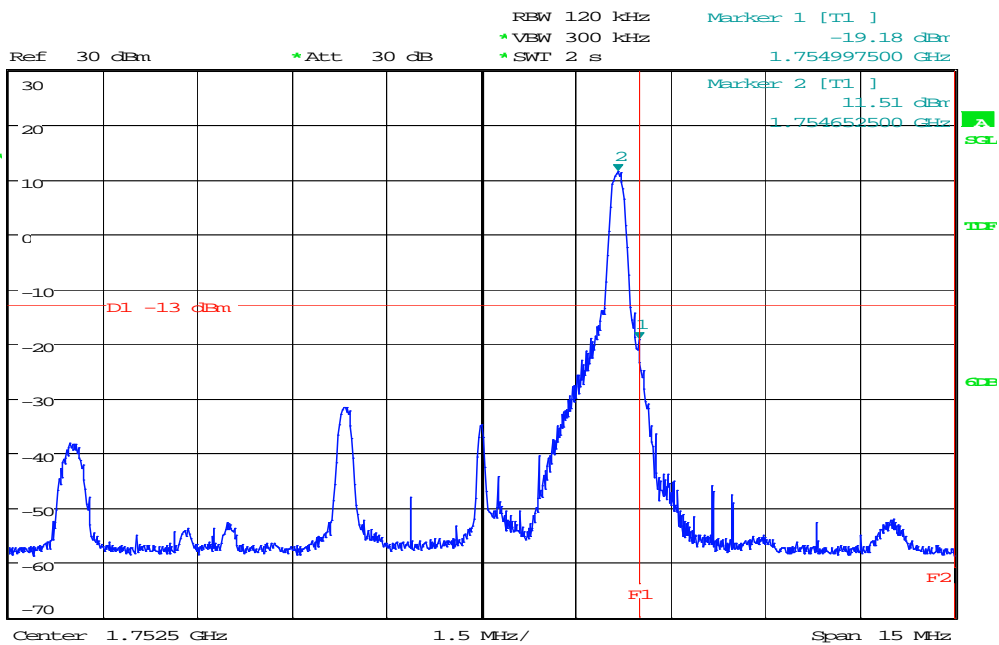
Date: 16.JUN.2016   10:48:36

BAND4-1752.5MHz,Q16-25RB_LOW@Pass

Report No.: FCC16053699-4
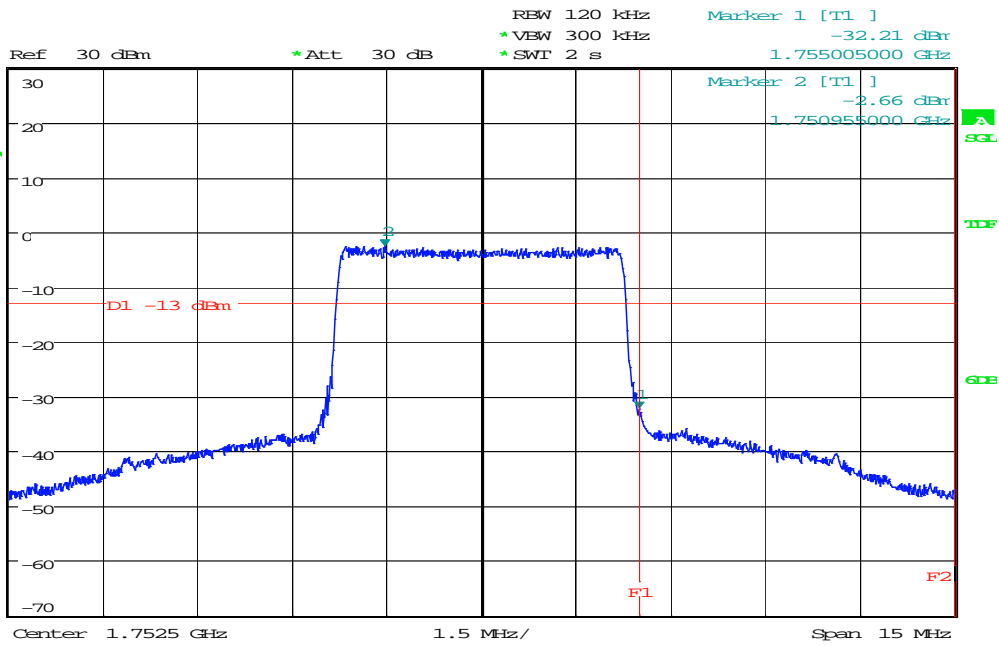
BAND4-1715MHz,QPSK-1RB_LOW@Pass
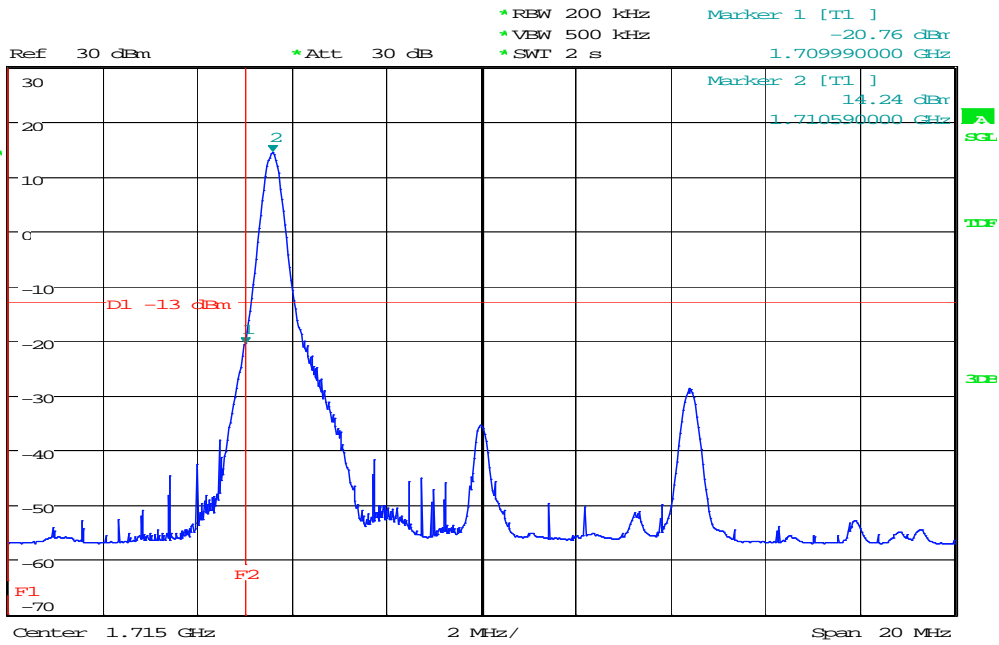
BAND4-1715MHz,QPSK-1RB_HIGH@Pass

Report No.: FCC16053699-4

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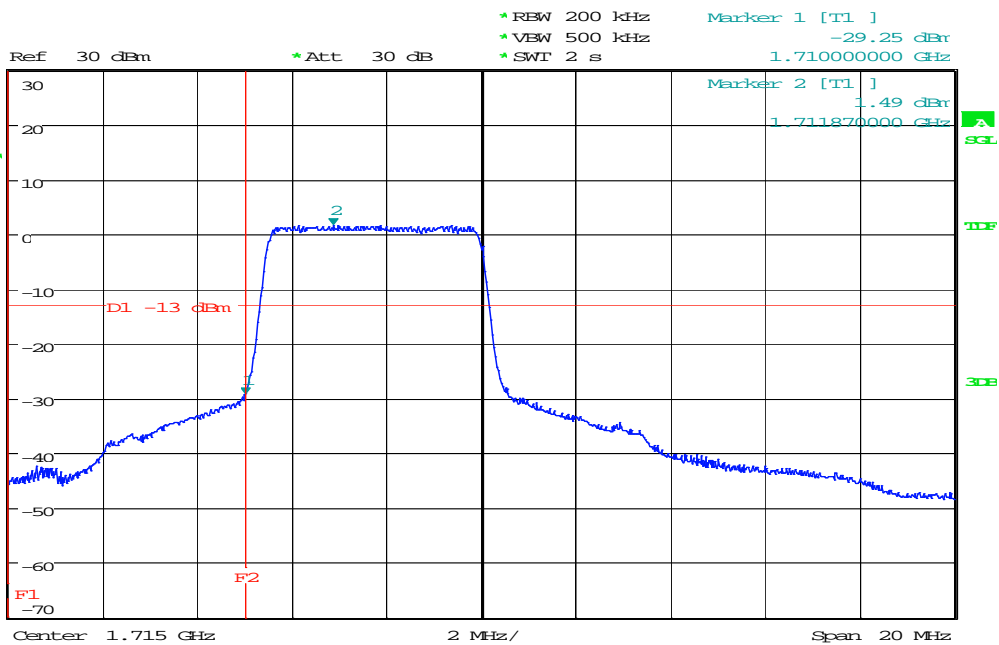
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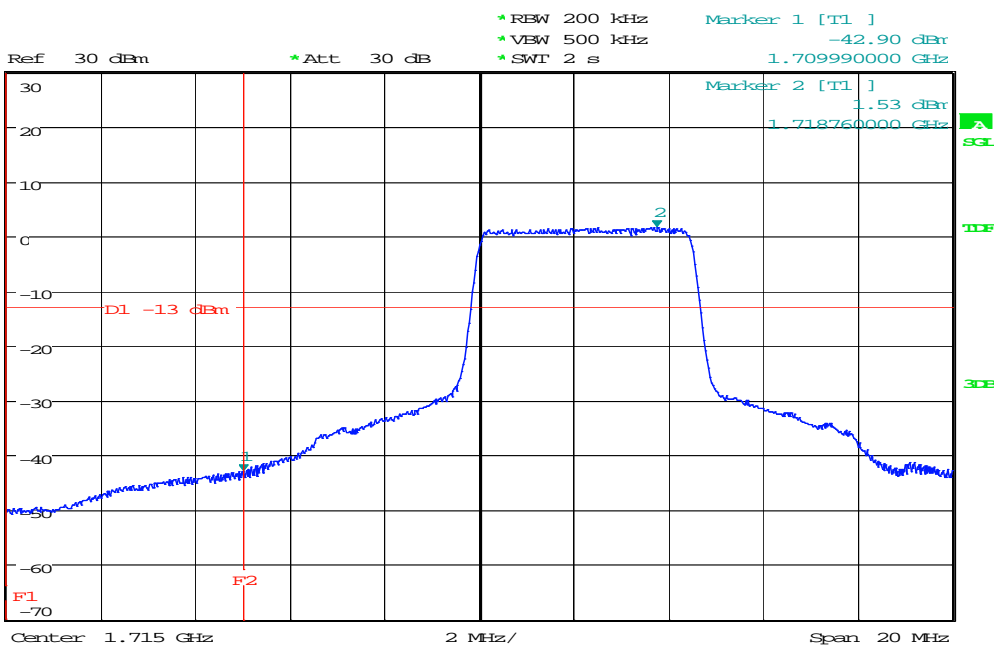
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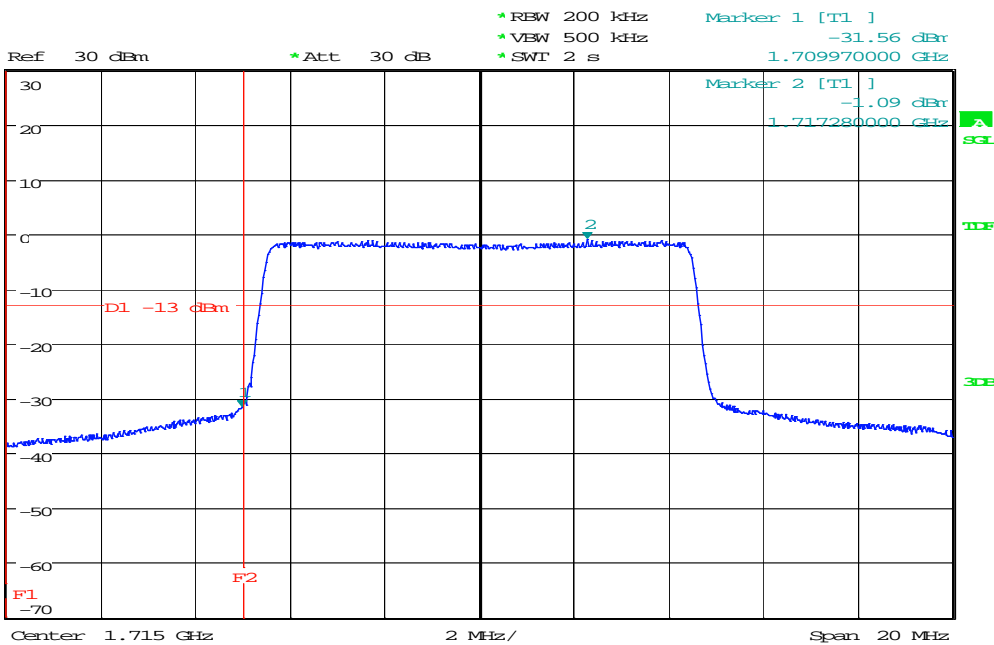
BAND4-1715MHz,Q16-1RB_LOW @Pass

Report No.: FCC16053699-4
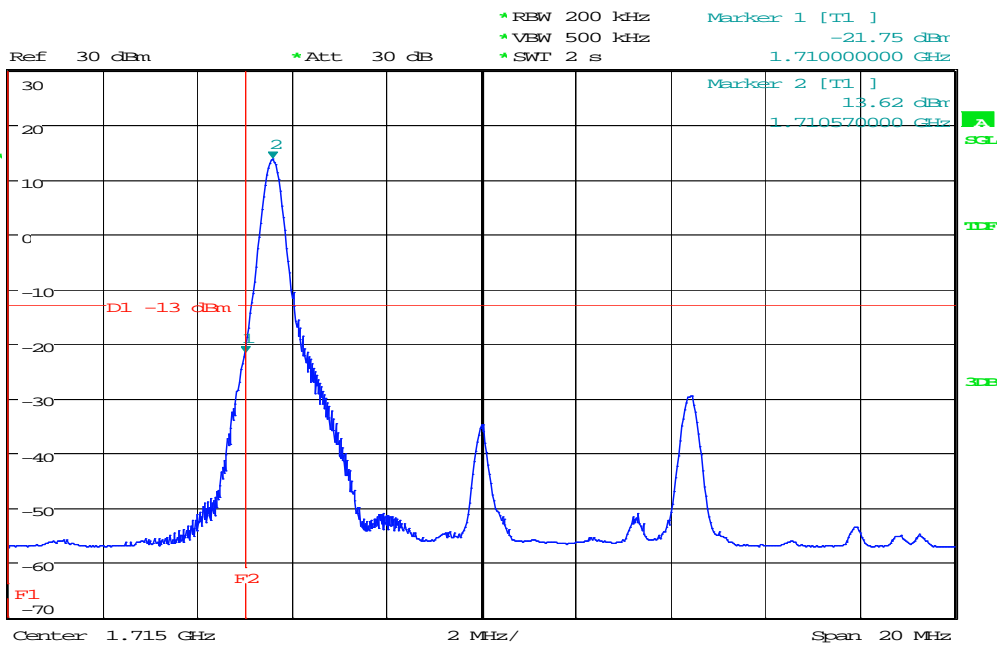
BAND4-1715MHz,Q16-1RB_HIGH@Pass
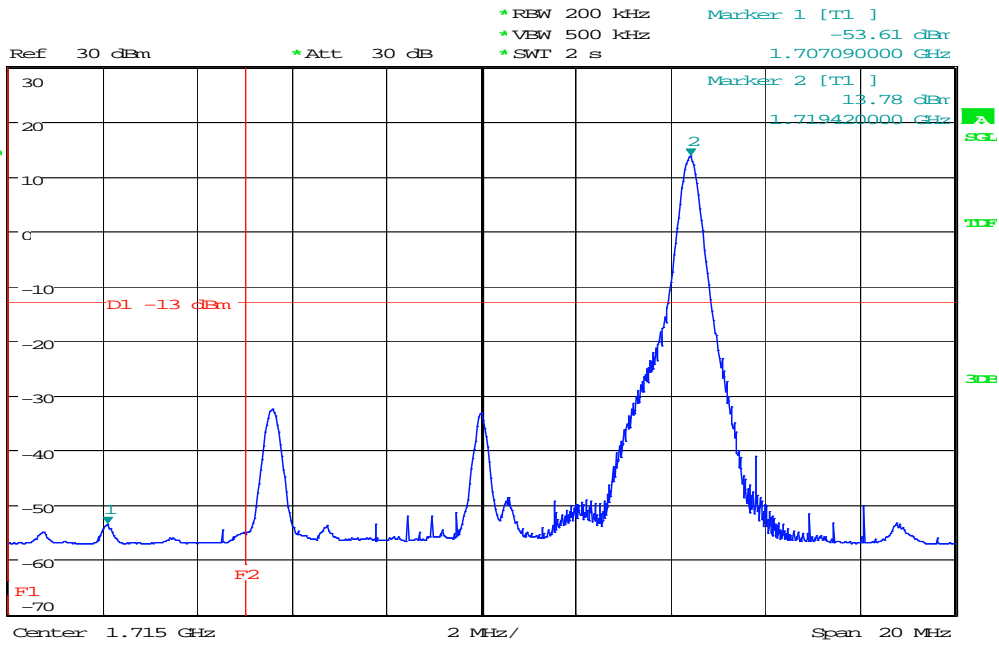
BAND4-1715MHz,Q16-25RB_LOW@Pass

Report No.: FCC16053699-4
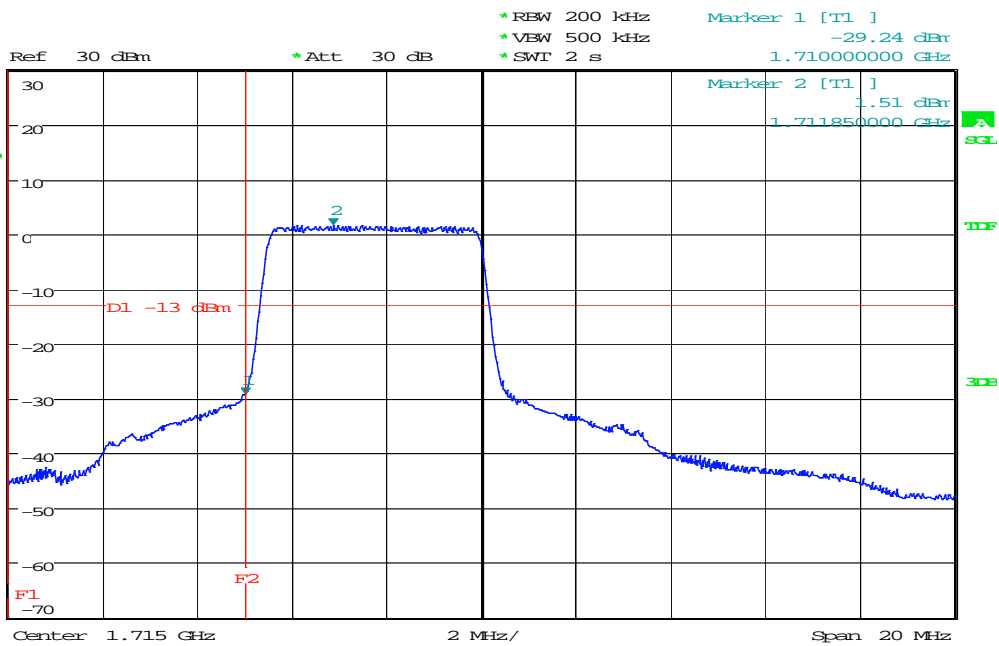
BAND4-1715MHz,Q16-25RB_HIGH@Pass
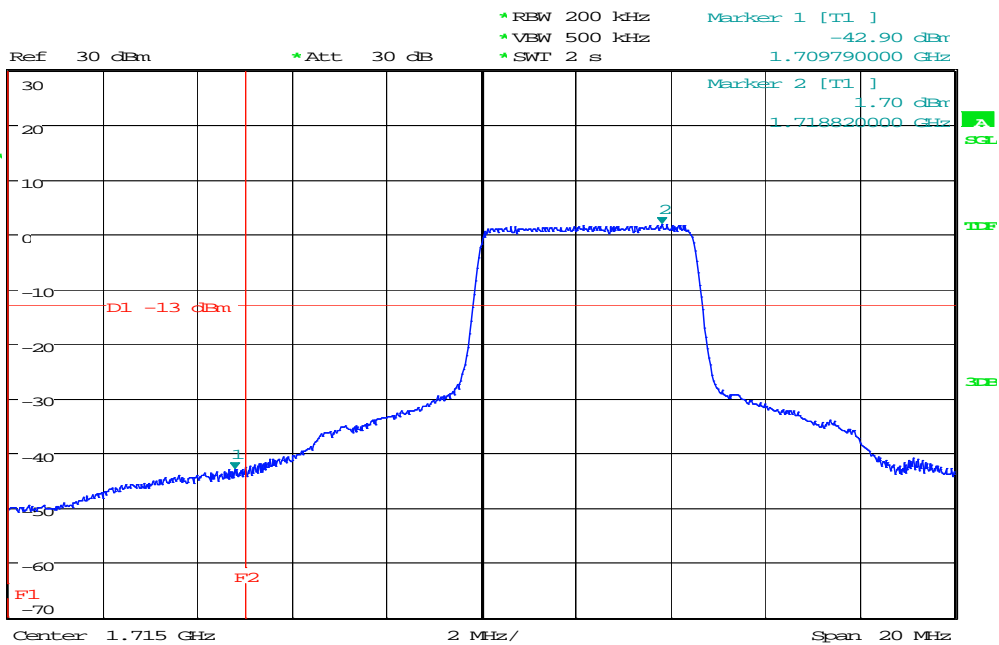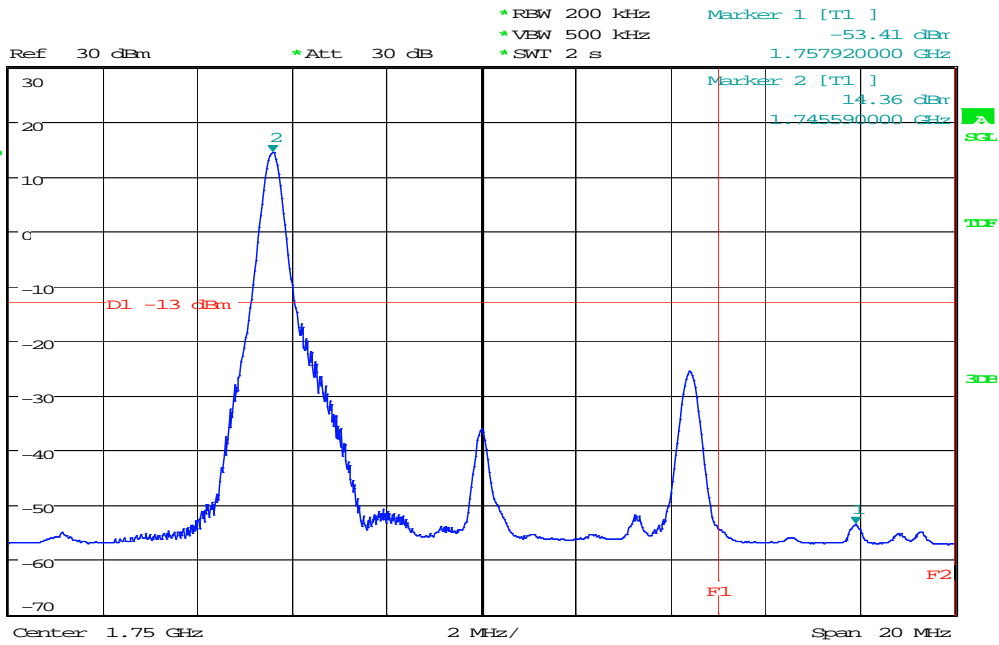

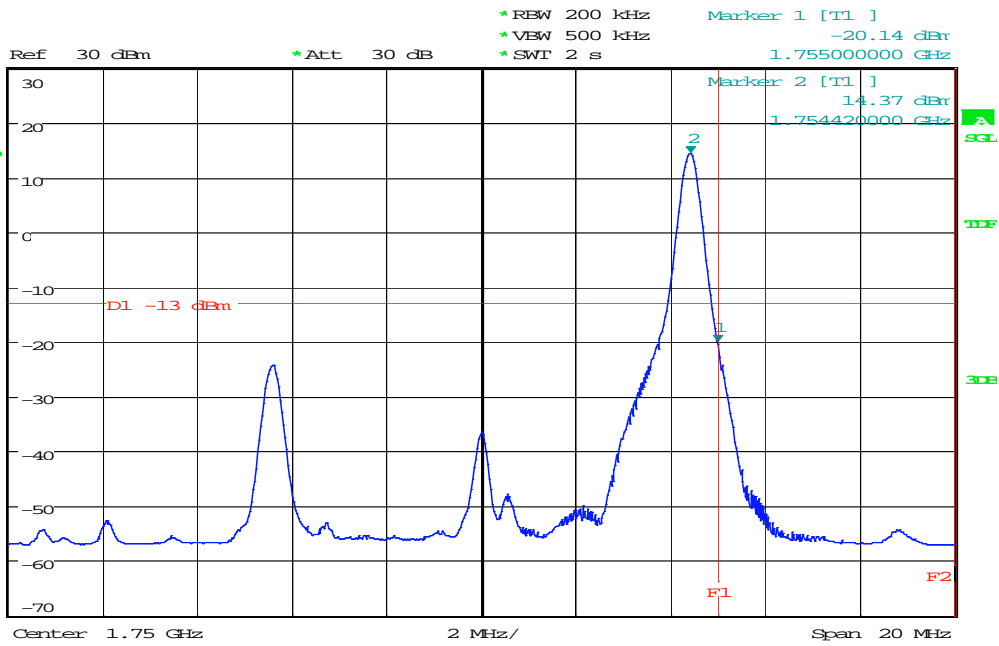*BAND4-1715MHz,Q16-50RB_LOW@Pass*

Report No.: FCC16053699-4
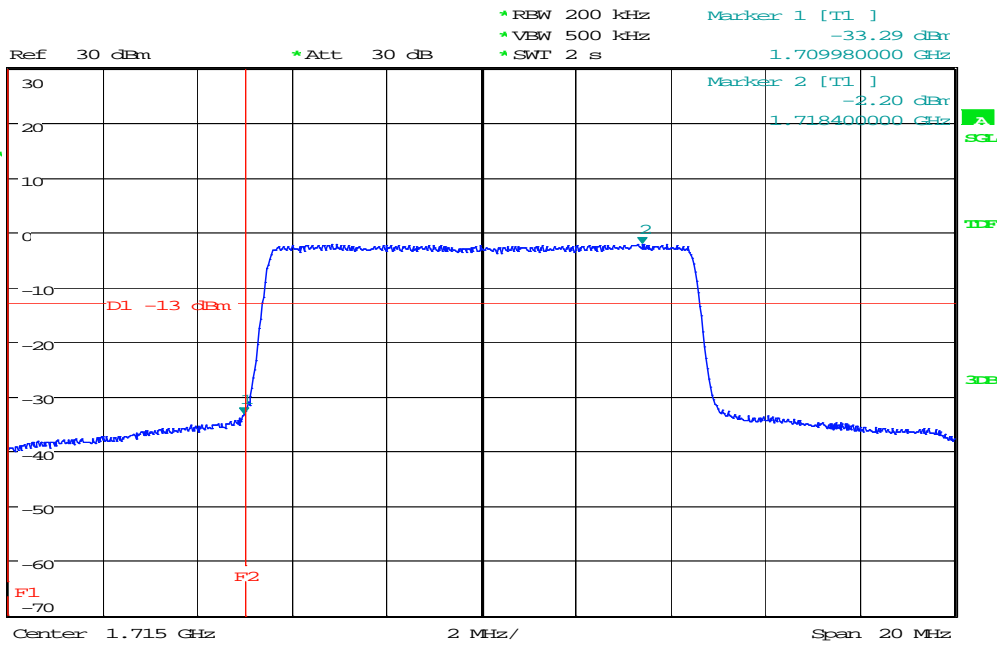
Date: 16.JUN.2016 10:50:42

BAND4-1750MHz,QPSK-1RB_LOW@Pass

Date: 16.JUN.2016 10:50:54
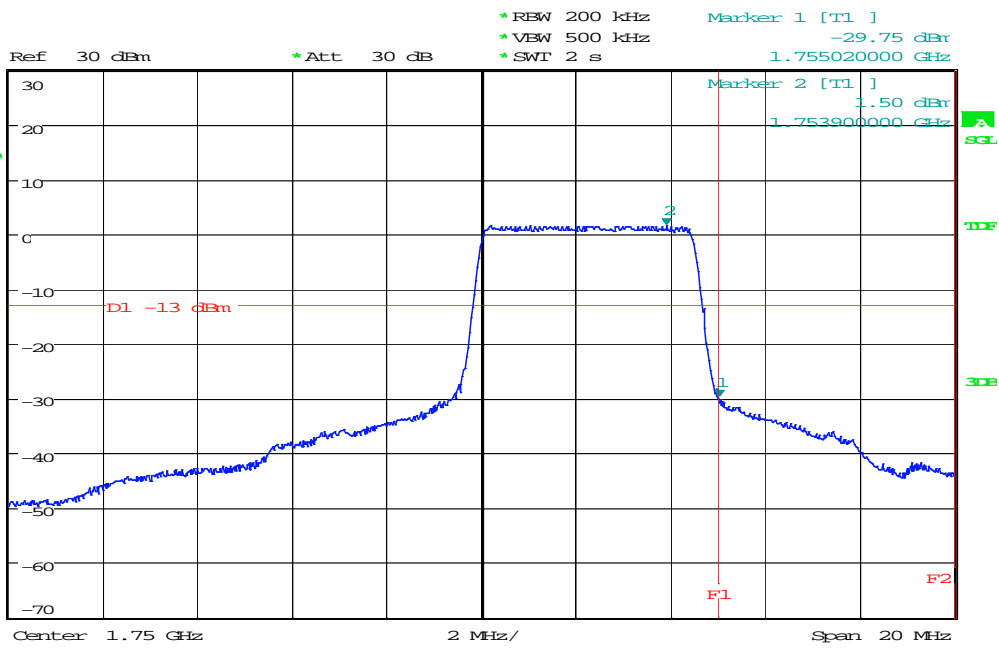
BAND4-1750MHz,QPSK-1RB_HIGH@Pass

Report No.: FCC16053699-4

Date: 16.JUN.2016   10:51:05

BAND4-1750MHz,QPSK-25RB_LOW @Pass
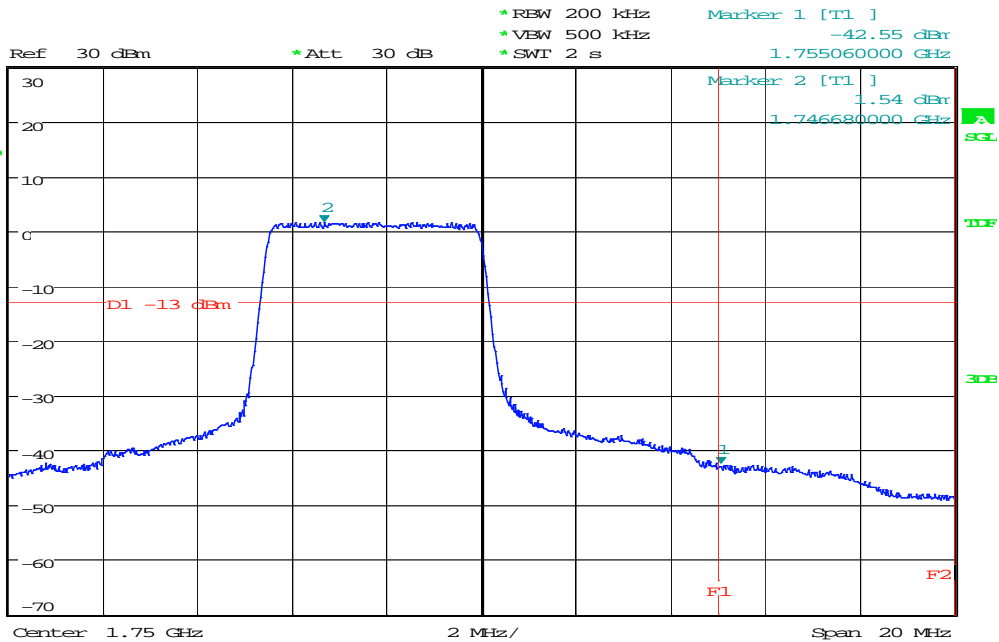
Date: 16.JUN.2016   10:51:17

BAND4-1750MHz,QPSK-25RB_HIGH @Pass

Report No.: FCC16053699-4

Chart 1 (top):

```
★RBW  200 kHz        Marker 1 [T1 ]
★VBW  500 kHz              -29.75 dBm
Ref   30 dBm        ★Att  30 dB    ★SWT  2 s        1.755020000 GHz
                                        Marker 2 [T1 ]
                                              1.50 dBm
                                        1.753900000 GHz
```

```
30
20
10
0
-10    D1 -13 dBm
-20
-30
-40
-50
-60
-70
Center  1.75 GHz        2 MHz/        Span  20 MHz
```

F1   F2

1 RM AVG   A SGL   TDF   3DB

Date: 16.JUN.2016 10:51:28

BAND4-1750MHz,QPSK-50RB_LOW @Pass

Chart 2 (bottom):

```
★RBW  200 kHz        Marker 1 [T1 ]
★VBW  500 kHz              -33.66 dBm
Ref   30 dBm        ★Att  30 dB    ★SWT  2 s        1.755000000 GHz
                                        Marker 2 [T1 ]
                                              -1.15 dBm
                                        1.746040000 GHz
```

```
30
20
10
0
-10    D1 -13 dBm
-20
-30
-40
-50
-60
-70
Center  1.75 GHz        2 MHz/        Span  20 MHz
```

F1   F2

1 RM AVG   A SGL   TDF   3DB

Date: 16.JUN.2016 10:51:39

BAND4-1750MHz,Q16-1RB_LOW @Pass

Report No.: FCC16053699-4

BAND4-1750MHz,Q16-1RB_HIGH@Pass

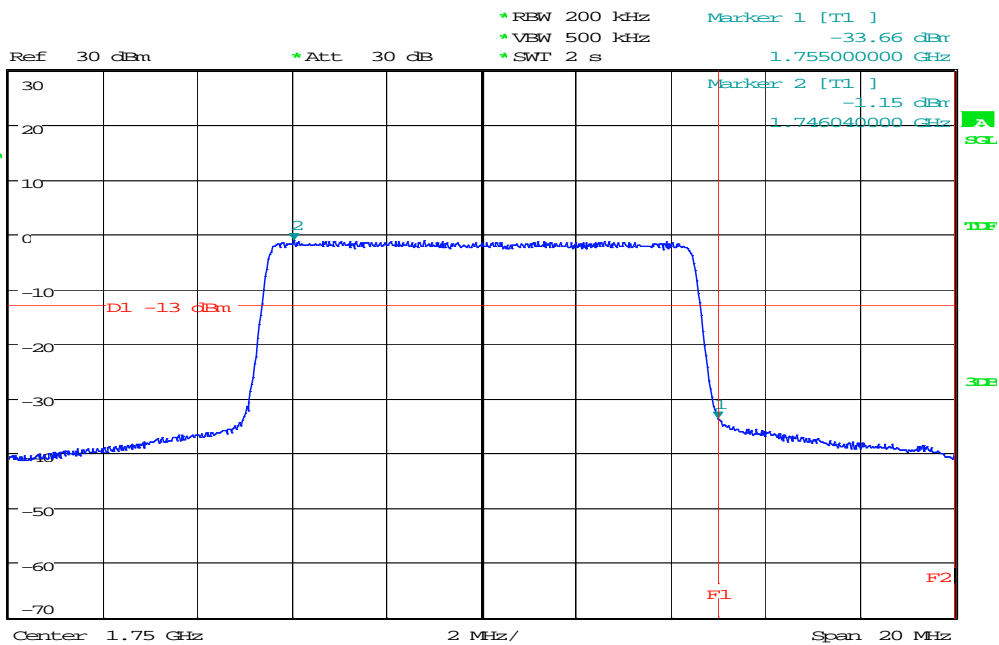*BAND4-1750MHz,Q16-25RB_LOW@Pass*

Report No.: FCC16053699-4

Date: 16.JUN.2016 10:52:13
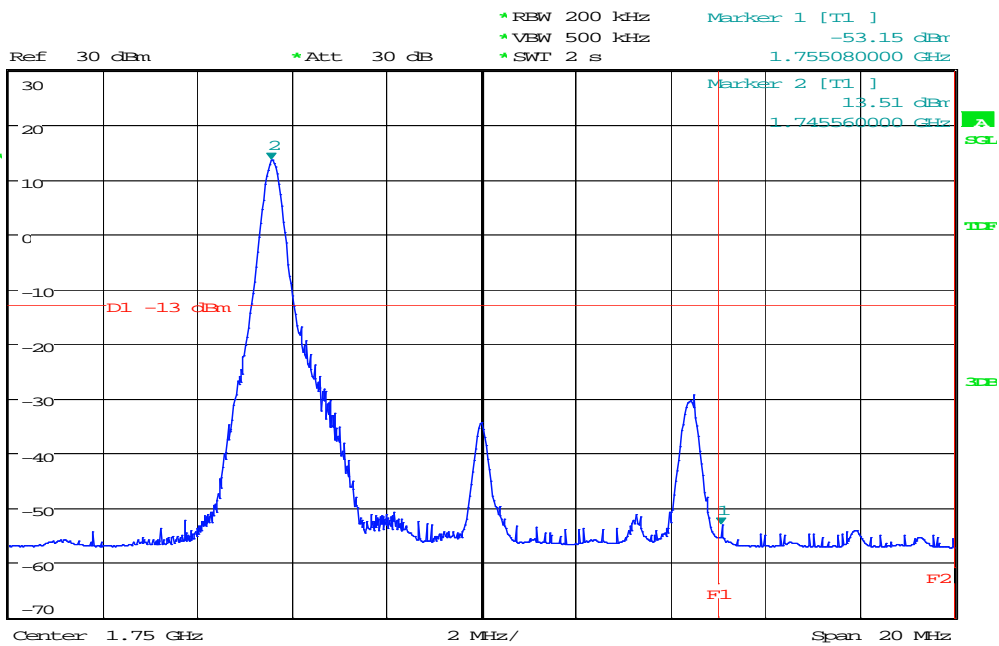
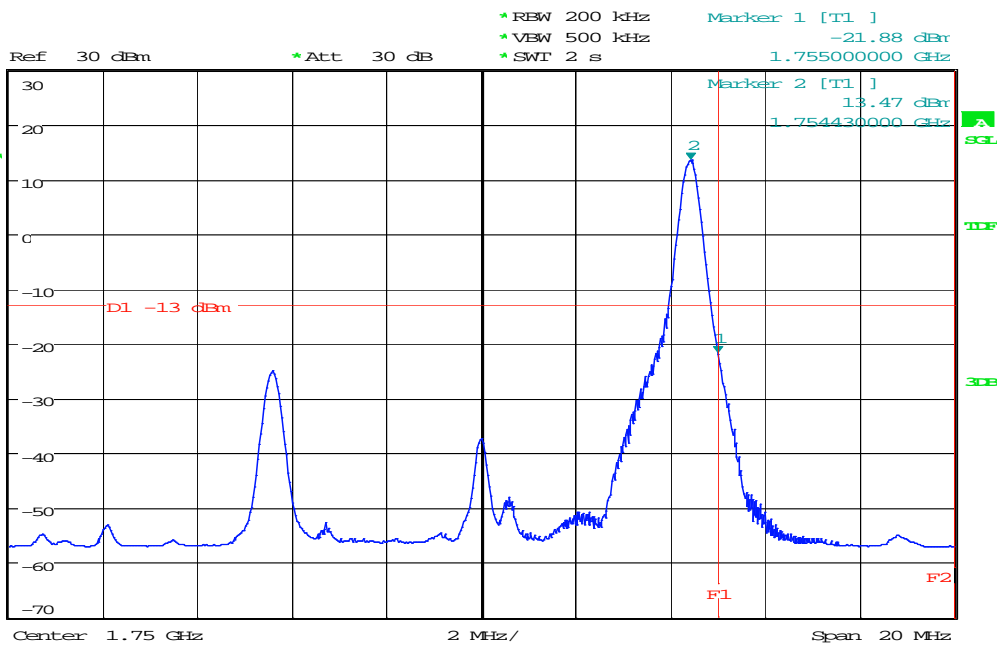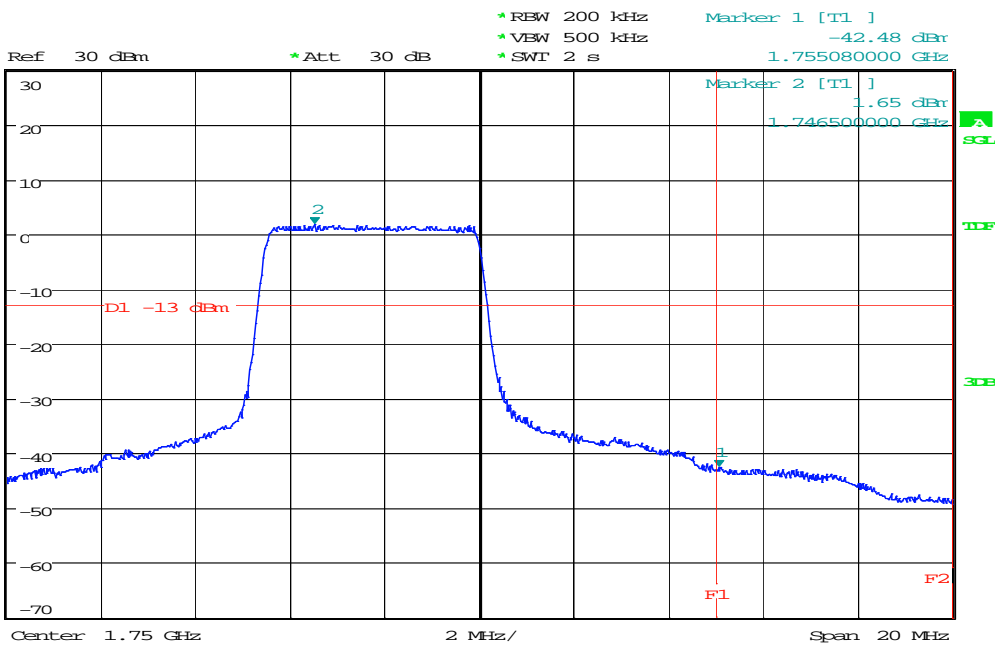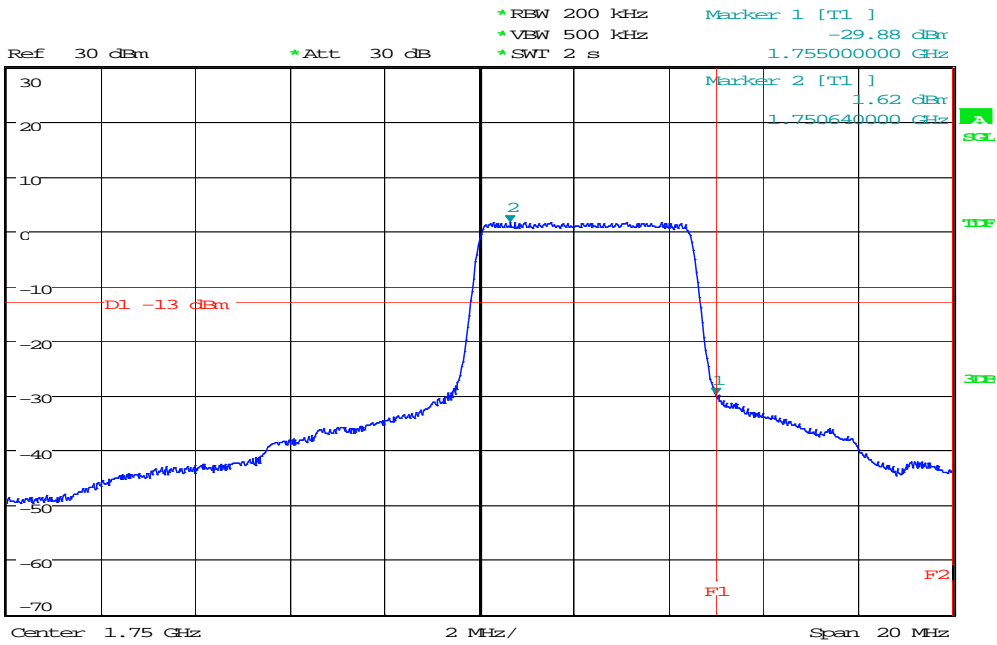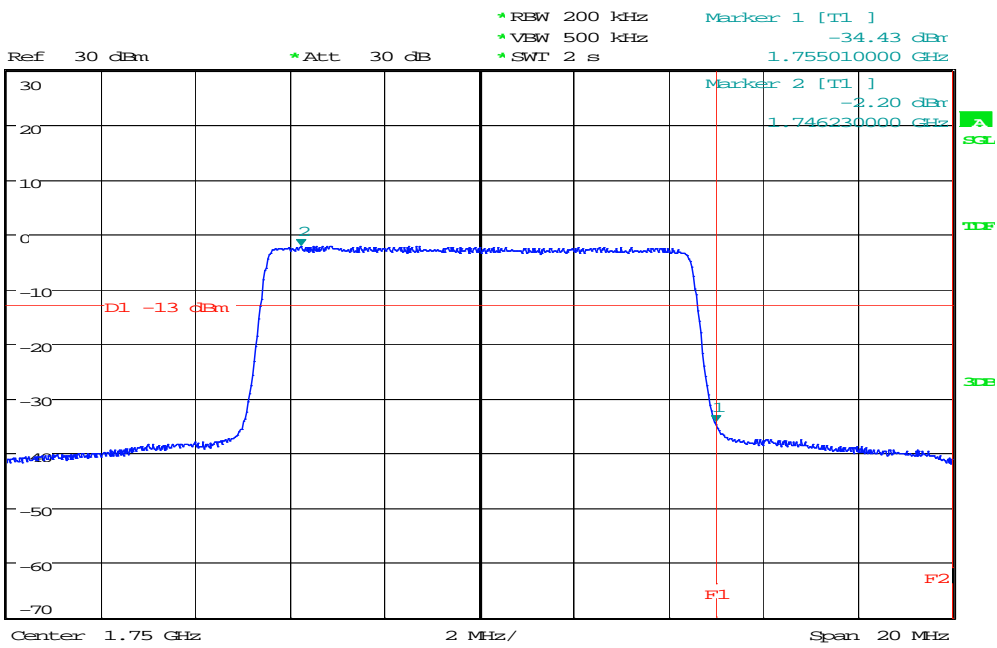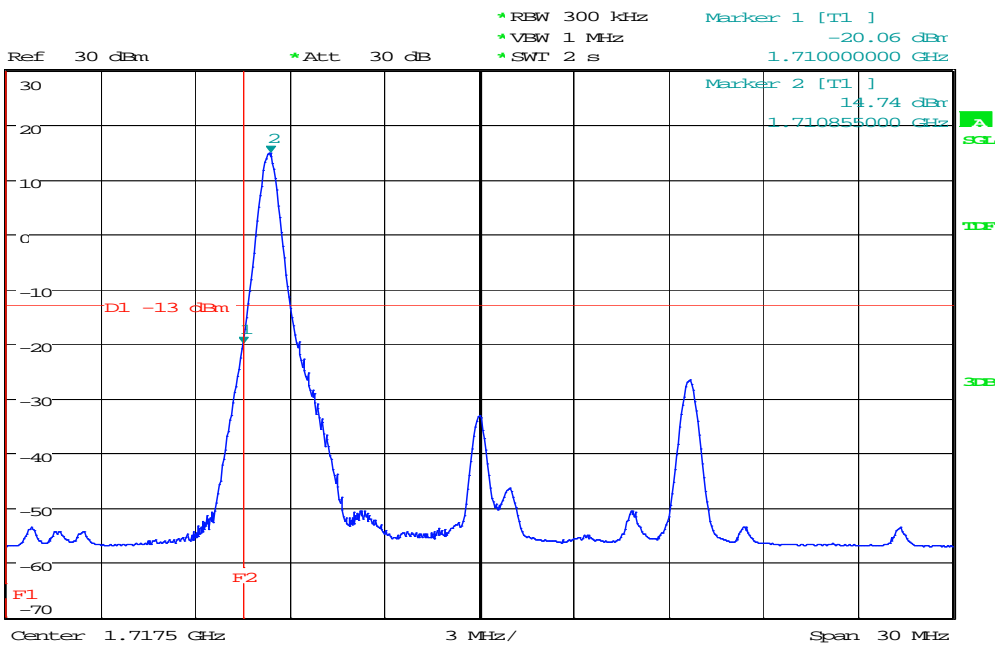*BAND4-1750MHz,Q16-25RB_HIGH@Pass*

Date: 16.JUN.2016 10:52:24

BAND4-1750MHz,Q16-50RB_LOW@Pass
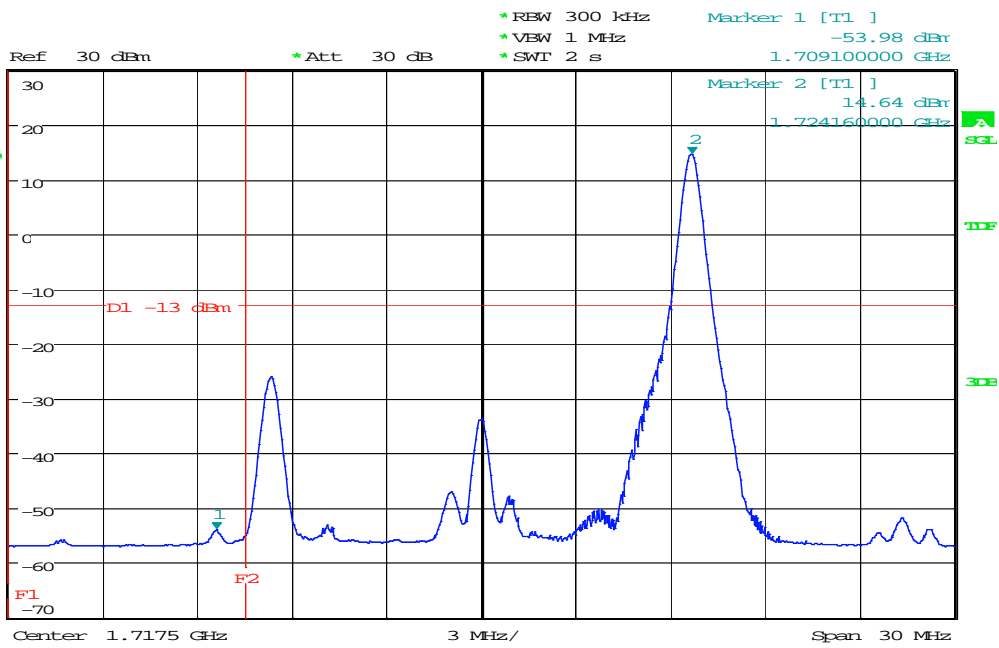
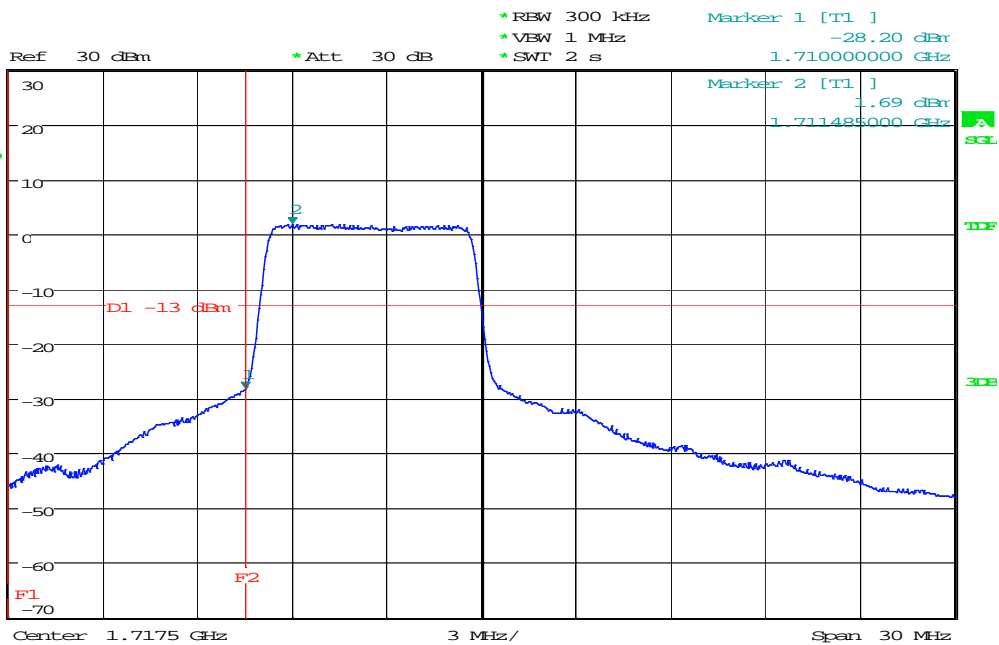Date: 16.JUN.2016 10:52:35

BAND4-1717.5MHz,QPSK-1RB_LOW@Pass

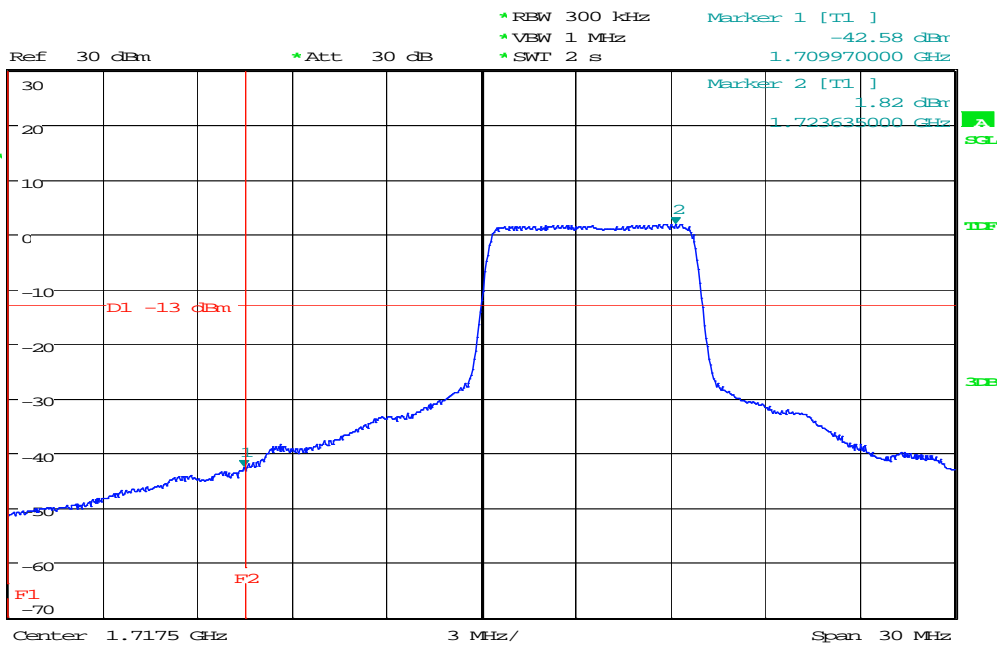Date: 16.JUN.2016 10:52:50
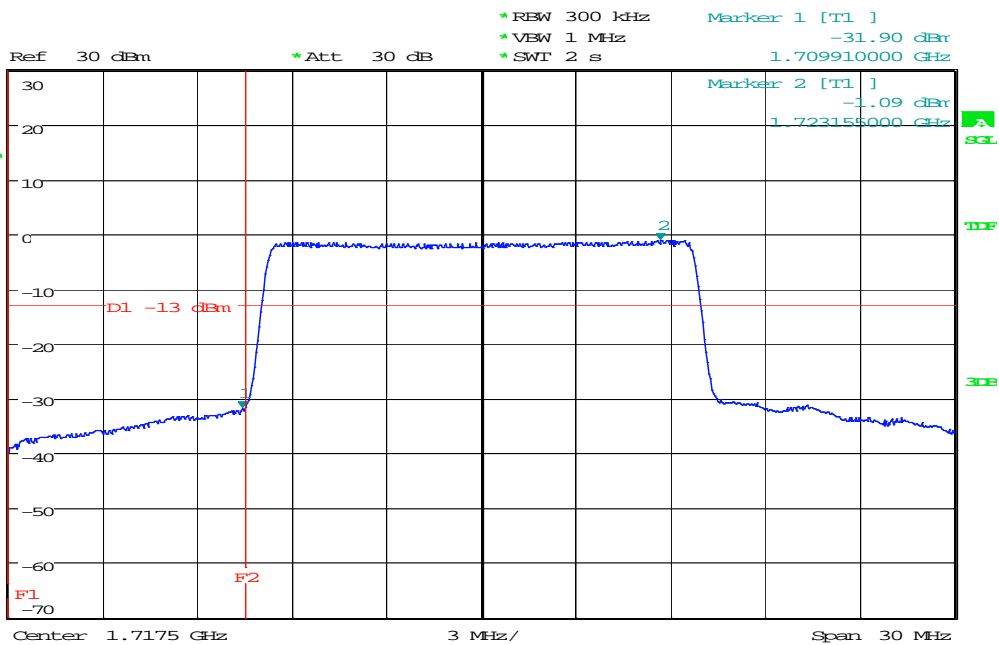
BAND4-1717.5MHz,QPSK-1RB_HIGH@Pass

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BAND4-1717.5MHz,QPSK-36RB_LOW@Pass

Date: 16.JUN.2016 10:53:02

BAND4-1717.5MHz,QPSK-36RB_HIGH@Pass

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BAND4-1717.5MHz,QPSK-75RB_LOW@Pass

Date: 16.JUN.2016 10:53:39

BAND4-1717.5MHz,Q16-1RB_LOW@Pass

Report No.: FCC16053699-4