FCC Test Report

Application Purpose	:	Original grant
Applicant Name:	:	INFINIX MOBILITY LIMITED
FCC ID	:	2AIZN-X521
Equipment Type	:	Mobile phone
Model Name	:	X521
Report Number	:	FCC16053699-4
Standard(S)	:	FCC Part 22H&24E&27 Rules
Date Of Receipt	:	May 31, 2016
Date Of Issue	:	June 21, 2016

Test By :

(Neil Wong)

Reviewed By :

(Robie Chen)

Authorized by :

(Michal Ling)

Prepared by :

Shenzhen WST Testing Technology Co., Ltd.
1F,No.9 Building,TGK Science & Technology ParkYangtian
Rd., NO.72 Bao'an Dist.,GuangDong,China

REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	June 21, 2016	Valid	Original Report

TABLE OF CONTENTS

1   CERTIFICATION

Applicant	INFINIX MOBILITY LIMITED
Address	RMS 05-15, 13A/F SOUTH TOWER WORLD FINANCE CTR HARBOUR CITY 17 CANTON RD TST KLN HONG KONG
Manufacturer	SHENZHEN TECNO TECHNOLOGY CO.,LTD.
Address	1-4th Floor,3rd Building,Pacific Industrial Park,No.2088,Shenyan Road,Yantian District,Shenzhen,Guangdong,China
Equipment Type	Mobile phone
Brand Name	Infinix
Test Model	X521
Hardware version:	X521-J5086-B1-M-20160502
Software version:	V1.2
Series Model	N/A
Difference description	N/A
Deviation	None
Condition of Test Sample	Normal

We hereby certify that:

The above equipment was tested by Shenzhen WST Testing Technology Co., Ltd.

1F,No.9 Building, TGK Science & Technology ParkYangtian Rd., NO.72 Bao'an Dist., GuangDong, China

Registration Number: 939433

The data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C 63.4:2014 and TIA/EIA 603. The sample tested as described in this report is in compliance with the FCC Rules Part2 and 27.

The test results of this report relate only to the tested sample identified in this report.

Report No.: FCC16053699-4

2 EUT INFORMATION

Table 2.1.1 General Information

Equipment Type:	8 inches Risc-based Panel PC
Hardware version:	MB.HMI8_ REV 0.3
Software version:	1.0.0
Frequency Bands:	☒GSM 850 ☒PCS 1900 (U.S. Bands) ☒GSM 900 ☒DCS 1800 (Non-U.S. Bands) UTRA Bands: ☒UTRA Band 1 (Non-U.S. Bands) ☒UTRA Band 2 ☒UTRA Band 4 ☒UTRA Band 5 (U.S. Bands) E-UTRA Bands: ☒ E-UTRA Band 2 ☒ E-UTRA Band 4 ☒ E-UTRA Band 7 ☒ E-UTRA Band 20 ☒ E-UTRA Band 28
Antenna Type:	Internal Antenna
Antenna gain:	BAND 2(PCS 1900/ E-UTRA Band 2/ UTRA Band 2): -1.9dBi BAND 4(E-UTRA Band 4): -1.7dBi BAND 7(E-UTRA Band 7): -2.3dBi BAND 20(E-UTRA Band 20)&BAND 5(GSM850/ UTRA Band 5): -1.5dBi BAND 28: -1.2dBi
Battery information:	Li-ion Battery : BL-30QX Voltage: 3.8V Capacity: 3000mAh Limited Charge Voltage: 4.35V
Adapter Information:	Adapter: A88-501500 Input: AC 100-240V 50-60Hz 0.35A Output: DC 5V 1.5A
Card(S):	Card 1: E-UTRA Card Slot Card 2: GSM Card Slot
Max power:	See Table 2.1.2
Extreme Vol. Limits:	DC 3.5V to 4.2V (Normal: DC 3.8V)
Extreme Temp. Tolerance	-10℃ to +50℃

Note 1: The High Voltage DC 4.2V and Low Voltage DC 3.5V were declared by manufacturer, The EUT couldn't be operating normally with higher or lower voltage.

Table 2.1.2 The Basic Technical Specification for Working BAND(S).

OPERATION BAND(S)	Power Class	Mod.	Max Average (dBm)	Max Peak Power (dBm)
GSM850	Class 4	GMSK	32.48	32.51
DCS1900	Class 1	GMSK	28.70	29.57
UTRA BAND 2	Class 3	QPSK	22.89	24.84
UTRA BAND 4	Class 3	QPSK	22.94	26.04
UTRA BAND 5	Class 3	QPSK	22.13	25.05
E-UTRA Band 2	Class 3	QPSK	22.6	27.91
E-UTRA Band 2	Class 3	16QAM	22.16	27.75
E-UTRA Band 4	Class 3	QPSK	21.47	26.99
E-UTRA Band 4	Class 3	16QAM	21.3	26.88
E-UTRA Band 7	Class 3	QPSK	22.18	27.56
E-UTRA Band 7	Class 3	16QAM	21.51	27.63
E-UTRA Band 20	Class 3	QPSK	22.92	28.83
E-UTRA Band 20	Class 3	16QAM	22.43	28.44
E-UTRA Band28	Class 3	QPSK	23.28	29.14
E-UTRA Band28	Class 3	16QAM	22.66	29.03

3   TEST DESCRIPTION

3.1 Test Facility

The test site used to collect the radiated data is located at:

Shenzhen WST Testing Technology Co., Ltd.

1F, No.9 Building, TGK Science & Technology Park Yangtian Rd., NO.72 Bao'an Dist., GuangDong, China

FCC register No.: 939433

3.2 EUT System Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

Fig. 3.2-1 Configuration of EUT System

EUT

Table 3.2-1 Equipment Used in EUT System

Item	Equipment	Model No.	ID or Specification	Note
1	Mobile phone	X521	2AHKI-X521	EUT

***Note: All the accessories have been used during the test. The following "EUT" in setup diagram means EUT system.

3.3 Description Of Test Channels And Test Modes

Test channels:

GSM 850			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	0.2	128	824.2
Mid Range	0.2	190	836.6
High Range	0.2	251	848.8

PCS 1900			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	0.2	512	1850.2
Mid Range	0.2	661	1880
High Range	0.2	810	1909.8

URTA BAND 2			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	9262	1852.4
Mid Range	5	9400	1880
High Range	5	9538	1907.6

URTA BAND 4			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	128	824.2
Mid Range	5	190	836.6
High Range	5	251	848.8

URTA BAND 5			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	1312	1712.4
Mid Range	5	1413	1732.6
High Range	5	1513	1752.6

LTE BAND 2			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	1.4	18607	1850.7
	3	18615	1851.5
	5	18625	1852.5
	10	18650	1855
	15	18675	1857.5
	20	18700	1860
Mid Range	1.4/3/5/10 15 /20	18900	1880
High Range	1.4	19193	1909.3
	3	19185	1908.5
	5	19175	1907.5
	10	19150	1905
	15	19125	1902.5
	20	19100	1900

LTE BAND 4			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	1.4	19957	1710.7
	3	19965	1711.5
	5	19975	1712.5
	10	20000	1715
	15	20025	1717.5
	20	20050	1720
Mid Range	1.4/3/5/10/15/20	20175	1732.5
High Range	1.4	20393	1754.3
	3	20385	1753.5
	5	20375	1752.5
	10	20350	1750
	15	20325	1747.5
	20	20300	1745

LTE BAND 7			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	20775	2502.5
	10	20800	2505
	15	20825	2507.5
	20	20850	2510
Mid Range	5/10/15/20	21100	2535
High Range	5	21425	2567.5
	10	21400	2565
	15	21375	2562.5
	20	21350	2560

LTE BAND 20			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	24175	834.5
	10	24200	837
	15	24225	839.5
Mid Range	5/10/15	24230	840
High range	5	24295	846.5
	10	24270	844
	15	24245	841.5

NOTE: accoding to FCC part 22 the allow bands is 824MHz to 849MHz, only choose the frequency cover by this range to evaluate.

LTE BAND 28			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	3	27225	727
	5	27235	728
	10	27260	730.5
	15	27285	733
	20	27310	735.5
Mid Range	3	27375	719.5
	5	27385	720.5
	10	27410	723
	15	27435	725.5
	20	27460	728
High Range	3	27645	746.5
	5	27635	745.5
	10	27610	743
	15	27585	740.5
	20	27560	738

NOTE: The product only support 725.5MHz to 748MHz of BAND 28.

Note 1: both QPSK&16QAM modulation has been measured;

Note 2: The worst condition was recorded in the test report if no other modes test data.

3.4 Equipment Modifications

Not available for this EUT intended for grant.

4 SUMMARY OF TEST REQUIREMENTS AND RESULTS

BAND 2(PCS 1900/ E-UTRA Band 2/ UTRA Band 2):

Test Item	FCC Rule No.	Requirements	Judgement
Effective (Isotropic) Radiated Power	§2.1046, §24.232(c)	EIRP ≤ 2W(33dBm)	Pass
Bandwidth	§2.1049 §24.238(a)	OBW: No limit. EBW: No limit.	Pass
Band Edges	§2.1051, §24.238(a)	-13dBm	Pass
Spurious Emission at Antenna Terminals	§2.1051, §24.238(a)	-13dBm	Pass
Field Strength of Spurious Radiation	§2.1053, §24.238(a)	-13dBm	Pass
Frequency Stability	§2.1055, §24.235	the fundamental emission stays within the authorized frequency block.	Pass
Peak to average ratio	§24.232(d)	<13dB	Pass

BAND 4(E-UTRA Band 4):

Test Item	FCC Rule No.	Requirements	Judgement
Effective (Isotropic) Radiated Power	§2.1046, §27.50(d)	EIRP ≤ 1W(30dBm)	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges	§2.1051, §27.53(h)	-13dBm	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)	-13dBm	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(h)	-13dBm	Pass
Frequency Stability	§2.1055, §27.54	the fundamental emissions stay within the authorized bands of operation.	Pass
Peak to average ratio	§27.50(d)	<13dB	Pass

BAND 7(E-UTRA Band 7):

Test Item	FCC Rule No.	Requirements	Judgement
Effective (Isotropic) Radiated Power	§2.1046, §27.50(h)	EIRP ≤ 2W(33dBm)	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges	§2.1051, §27.53(m)	KDB 971 168 D02 971168 D02 Misc OOBE License Digital Systems v01 &27.53(m) for detail the limit is upon different OBW	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	-25dBm	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(m)	-25dBm	Pass
Frequency Stability	§2.1055, §27.54	the fundamental emissions stay within the authorized bands of operation.	Pass

BAND 20(E-UTRA Band 20)&BAND 5(GSM850/ UTRA Band 5):

Test Item	FCC Rule No.	Requirements	Judgement
Effective (Isotropic) Radiated Power	§2.1046, §2.913(a)	EIRP ≤ 2W(33dBm)	Pass
Occupied Bandwidth	§2.1049	OBW: No limit.	Pass
Emission Bandwidth	22.917(b)	EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §22.917(a)(b)	KDB 971 168 D02 971168 D02 Misc OOBE License Digital Systems v01 &27.53(m) for detail the limit is upon different OBW	Pass
Spurious Emission at Antenna Terminals	§2.1051, §22.917	-25dBm	Pass
Field Strength of Spurious Radiation	§2.1053, §22.917	-25dBm	Pass
Frequency Stability	§2.1055, §22.355	the fundamental emissions stay within the authorized bands of	Pass

Report No.: FCC16053699-4

		operation.	

BAND 28(E-UTRA BAND 28):

Test Item	FCC Rule No.	Requirements	Judgement
Effective (Isotropic) Radiated Power	§2.1046, §27.50(b)(Above 746MHz) §27.50(c)(Below746MHz)	EIRP ≤ 3W(35.2dBm)	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges	§2.1051, §27.53(c)(Above 746MHz) §27.53(g)(Below746MHz)	-13dBm	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(c)	-13dBm	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(c)(f)	Below746MHz :-13dBm; Above 746MHz: -13dBm Except for: *1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth*	Pass
Frequency Stability	§2.1055, §27.54	the fundamental emissions stay within the authorized bands of operation.	Pass
Peak to average ratio	N/A	N/A	N/A

Report No.: FCC16053699-4

5   MEASUREMENT INSTRUMENTS

NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibration Due.
EMI Test Receiver	R&S	ESCI	100005	08/19/2015	08/18/2016
LISN	AFJ	LS16	16010222119	08/19/2015	08/18/2016
LISN(EUT)	Mestec	AN3016	04/10040	08/19/2015	08/18/2016
Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	08/19/2015	08/18/2016
Coaxial cable	Megalon	LMR400	N/A	08/12/2015	08/11/2016
GPIB cable	Megalon	GPIB	N/A	08/12/2015	08/11/2016
Spectrum Analyzer	R&S	FSU	100114	08/19/2015	08/18/2016
Pre Amplifier	H.P.	HP8447E	2945A02715	10/13/2015	10/12/2016
Pre-Amplifier	CDSI	PAP-1G18-38	--	10/13/2015	10/12/2016
Loop Antenna	R&S	HFH2-Z2	100296	10/13/2015	10/12/2016
Bi-log Antenna	SUNOL Sciences	JB3	A021907	09/13/2015	09/12/2016
9*6*6 Anechoic	--	--	--	08/21/2015	08/20/2016
Horn Antenna	COMPLIANCE ENGINEERING	CE18000	--	09/13/2015	09/12/2016
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	08/23/2015	08/22/2016
Power meter	Anritsu	ML2487A	6K00003613	08/23/2015	08/22/2016
Power meter	Anritsu	MA2491A	32263	08/23/2015	08/22/2016
Cable	TIME MICROWAVE	LMR-400	N-TYPE04	04/24/2016	04/23/2017
System-Controller	CCS	N/A	N/A	N.C.R	N.C.R
Turn Table	CCS	N/A	N/A	N.C.R	N.C.R
Antenna Tower	CCS	N/A	N/A	N.C.R	N.C.R
RF cable	Murata	MXHQ87WA3000	-	08/21/2015	08/20/2016
Loop Antenna	EMCO	6502	00042960	08/22/2015	08/21/2016
Wideband Radio Communication Tester	R&S	CMW 500	103974	08/19/2015	08/18/2016
Horn Antenna	SCHWARZBECK	BBHA 9170	1123	08/19/2015	08/18/2016
H & T Chamber	Guangzhou gongwen	GDJS-500-40	0329	2015-08-19	2016-08-18

Report No.: FCC16053699-4

6 EFFECTIVE (ISOTROPIC) RADIATED POWER

6.1 Measurement Result

GSM850 BAND:

Mode	Frequency (MHz)	Reference Power	Peak Power	Tolerance	Avg.Burst Power	Duty cycle Factor(dB)	Frame Power(dBm)
GSM850	824.2	33	**32.48**	-0.52	31.50	-9	22.50
	836.6	33	32.47	-0.53	31.51	-9	22.51
	848.8	33	32.11	-0.89	31.45	-9	22.45
GPRS850 (1 Slot)	824.2	33	32.44	-0.56	31.05	-9	22.05
	836.6	33	32.11	-0.89	31.17	-9	22.17
	848.8	33	32.32	-0.68	30.99	-9	21.99
GPRS850 (2 Slot)	824.2	30	29.67	-0.33	28.27	-6	22.27
	836.6	30	29.41	-0.59	28.40	-6	22.40
	848.8	30	29.61	-0.39	28.46	-6	22.46
GPRS850 (3 Slot)	824.2	28.23	27.39	-0.84	26.69	-4.26	22.43
	836.6	28.23	27.41	-0.82	26.46	-4.26	22.20
	848.8	28.23	27.27	-0.96	26.34	-4.26	22.08
GPRS850 (4 Slot)	824.2	27	26.15	-0.85	25.66	-3	22.66
	836.6	27	26.32	-0.68	25.47	-3	22.47
	848.8	27	26.26	-0.74	25.51	-3	22.51

PCS1900 BAND:

Mode	Frequency (MHz)	Reference Power	Peak Power	Tolerance	Avg.Burst Power	Duty cycle Factor(dB)	Frame Power(dBm)
GSM1900	1850.2	30	**29.57**	-0.43	28.36	-9	19.36
	1880	30	29.29	-0.71	28.22	-9	19.22
	1909.8	30	29.31	-0.69	28.69	-9	19.69
GPRS1900 (1 Slot)	1850.2	30	29.50	-0.50	28.70	-9	19.70
	1880	30	29.48	-0.52	28.45	-9	19.45
	1909.8	30	29.51	-0.49	28.40	-9	19.40
GPRS1900 (2 Slot)	1850.2	27	26.46	-0.54	26.10	-6	20.10
	1880	27	26.36	-0.64	25.44	-6	19.44
	1909.8	27	26.38	-0.62	25.85	-6	19.85
GPRS1900 (3 Slot)	1850.2	25.23	25.10	-0.13	24.38	-4.26	20.12
	1880	25.23	24.76	-0.47	24.67	-4.26	20.41
	1909.8	25.23	24.88	-0.35	24.45	-4.26	20.19
GPRS1900 (4 Slot)	1850.2	24	23.56	-0.44	22.40	-3	19.40
	1880	24	23.36	-0.64	22.29	-3	19.29
	1909.8	24	23.57	-0.43	22.61	-3	19.61

UTRA BANDS:

BAND 2:

Mode	Frequency (MHz)	Peak Power (dBm)	Avg. Burst Power(dBm)	PAPR (dB)
RMC 12.2K	826.4	24.28	22.22	-2.06
	836	**24.84**	22.23	-2.62
	846.6	24.32	22.54	-1.78
HSDPA SUBTEST 1	826.4	24.35	22.40	-1.95
	836	24.39	22.01	-2.38
	846.6	24.30	22.48	-1.83
HSDPA SUBTEST 2	826.4	24.36	22.63	-1.73
	836	24.74	22.00	-2.74
	846.6	24.69	22.12	-2.57
HSDPA SUBTEST 3	826.4	24.34	21.98	-2.37
	836	24.18	22.32	-1.86
	846.6	24.40	22.23	-2.17
HSDPA SUBTEST 4	826.4	24.17	**22.89**	-1.28
	836	24.28	22.79	-1.49
	846.6	24.19	22.56	-1.63
HSUPA SUBTEST 1	826.4	24.21	22.24	-1.97
	836	24.08	22.59	-1.49
	846.6	24.19	22.73	-1.46
HSUPA SUBTEST 2	826.4	24.29	22.60	-1.70
	836	24.50	22.75	-1.75
	846.6	24.47	22.38	-2.08
HSUPA SUBTEST 3	826.4	24.47	22.64	-1.84
	836	24.20	22.12	-2.08
	846.6	24.61	22.28	-2.33
HSUPA SUBTEST 4	826.4	24.22	22.06	-2.16
	836	24.51	22.24	-2.26
	846.6	24.71	22.59	-2.12
HSUPA SUBTEST 5	826.4	24.67	22.67	-2.00
	836	24.26	22.87	-1.39
	846.6	24.55	22.50	-2.05

BAND 4:

Mode	Frequency (MHz)	Peak Power (dBm)	Avg. Burst Power(dBm)	PAPR (dB)
RMC 12.2K	826.4	25.60	22.75	-2.86
	836	26.01	22.54	-3.46
	846.6	25.59	22.78	-2.81
HSDPA SUBTEST 1	826.4	25.69	22.62	-3.08
	836	26.04	22.58	-3.46
	846.6	25.88	22.61	-3.27
HSDPA SUBTEST 2	826.4	25.69	22.84	-2.85
	836	25.89	22.94	-2.95
	846.6	25.69	22.91	-2.78
HSDPA SUBTEST 3	826.4	25.55	22.85	-2.70
	836	25.94	22.47	-3.47
	846.6	25.56	22.45	-3.11
HSDPA SUBTEST 4	826.4	26.04	22.59	-3.44
	836	25.93	22.54	-3.38
	846.6	25.83	22.83	-3.00
HSUPA SUBTEST 1	826.4	25.59	22.72	-2.88
	836	25.56	22.72	-2.84
	846.6	25.70	22.86	-2.84
HSUPA SUBTEST 2	826.4	25.81	22.71	-3.10
	836	25.63	22.68	-2.95
	846.6	25.66	22.74	-2.92
HSUPA SUBTEST 3	826.4	25.89	22.87	-3.02
	836	26.02	22.63	-3.39
	846.6	25.67	22.77	-2.90
HSUPA SUBTEST 4	826.4	26.00	22.77	-3.23
	836	25.87	22.82	-3.05
	846.6	25.64	22.87	-2.76
HSUPA SUBTEST 5	826.4	26.03	22.87	-3.16
	836	25.99	22.75	-3.24
	846.6	25.59	22.86	-2.73

BAND 5:

Mode	Frequency (MHz)	Peak Power (dBm)	Avg. Burst Power(dBm)	PAPR (dB)
RMC 12.2K	826.4	24.80	22.04	-2.76
	836	24.95	21.86	-3.09
	846.6	24.76	21.76	-3.00
HSDPA SUBTEST 1	826.4	24.69	22.13	-2.57
	836	24.65	21.65	-3.00
	846.6	24.81	22.09	-2.72
HSDPA SUBTEST 2	826.4	24.66	22.07	-2.60
	836	24.65	21.93	-2.73
	846.6	25.04	21.99	-3.05
HSDPA SUBTEST 3	826.4	24.78	21.96	-2.82
	836	24.94	21.76	-3.18
	846.6	24.65	21.86	-2.80
HSDPA SUBTEST 4	826.4	24.66	21.93	-2.73
	836	24.78	21.71	-3.06
	846.6	24.73	22.01	-2.72
HSUPA SUBTEST 1	826.4	24.93	21.89	-3.04
	836	24.87	21.89	-2.98
	846.6	24.85	21.79	-3.07
HSUPA SUBTEST 2	826.4	24.71	22.09	-2.61
	836	24.71	21.90	-2.81
	846.6	25.01	21.95	-3.06
HSUPA SUBTEST 3	826.4	24.97	21.96	-3.01
	836	24.76	21.93	-2.83
	846.6	24.99	21.94	-3.05
HSUPA SUBTEST 4	826.4	24.83	21.67	-3.16
	836	24.96	21.70	-3.25
	846.6	24.96	21.67	-3.29
HSUPA SUBTEST 5	826.4	25.00	21.68	-3.32
	836	25.05	21.87	-3.18
	846.6	24.89	22.12	-2.77

E-UTRA BANDS:
BAND 2:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
1.4	18607	1850.7	QPSK	1	LOW	22.07	25.39
1.4	18607	1850.7	QPSK	1	MID	22.07	25.43
1.4	18607	1850.7	QPSK	1	HIGH	22.08	25.47
1.4	18607	1850.7	QPSK	3	LOW	22.02	25.72
1.4	18607	1850.7	QPSK	3	MID	22	25.78
1.4	18607	1850.7	QPSK	3	HIGH	21.98	25.75
1.4	18607	1850.7	QPSK	6	LOW	20.93	26
1.4	18607	1850.7	Q16	1	LOW	21.06	24.99
1.4	18607	1850.7	Q16	1	MID	21.07	25.1
1.4	18607	1850.7	Q16	1	HIGH	21.05	25.09
1.4	18607	1850.7	Q16	3	LOW	22.05	25.84
1.4	18607	1850.7	Q16	3	MID	22.06	25.86
1.4	18607	1850.7	Q16	3	HIGH	22.06	25.78
1.4	18607	1850.7	Q16	6	LOW	19.94	26.01
1.4	18900	1880	QPSK	1	LOW	22.1	25
1.4	18900	1880	QPSK	1	MID	22.14	25.02
1.4	18900	1880	QPSK	1	HIGH	22.12	24.98
1.4	18900	1880	QPSK	3	LOW	22.07	25.46
1.4	18900	1880	QPSK	3	MID	22.07	25.47
1.4	18900	1880	QPSK	3	HIGH	22.06	25.38
1.4	18900	1880	QPSK	6	LOW	21.02	25.86
1.4	18900	1880	Q16	1	LOW	21.14	24.78
1.4	18900	1880	Q16	1	MID	21.13	24.78
1.4	18900	1880	Q16	1	HIGH	21.16	24.77
1.4	18900	1880	Q16	3	LOW	22.08	25.46
1.4	18900	1880	Q16	3	MID	22.08	25.45
1.4	18900	1880	Q16	3	HIGH	22.07	25.37
1.4	18900	1880	Q16	6	LOW	19.94	25.52
1.4	19193	1909.3	QPSK	1	LOW	22.24	24.98
1.4	19193	1909.3	QPSK	1	MID	22.25	24.94
1.4	19193	1909.3	QPSK	1	HIGH	22.26	24.97
1.4	19193	1909.3	QPSK	3	LOW	22.17	25.39
1.4	19193	1909.3	QPSK	3	MID	22.15	25.37
1.4	19193	1909.3	QPSK	3	HIGH	22.14	25.43

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
1.4	19193	1909.3	QPSK	6	LOW	21.23	26.03
1.4	19193	1909.3	Q16	1	LOW	21.22	24.81
1.4	19193	1909.3	Q16	1	MID	21.25	24.79
1.4	19193	1909.3	Q16	1	HIGH	21.26	24.8
1.4	19193	1909.3	Q16	3	LOW	22.14	25.4
1.4	19193	1909.3	Q16	3	MID	22.16	25.38
1.4	19193	1909.3	Q16	3	HIGH	22.13	25.39
1.4	19193	1909.3	Q16	6	LOW	20.05	25.65
3	18615	1851.5	QPSK	1	LOW	21.85	25.34
3	18615	1851.5	QPSK	1	MID	21.9	25.49
3	18615	1851.5	QPSK	1	HIGH	21.86	25.56
3	18615	1851.5	QPSK	8	LOW	21.89	25.34
3	18615	1851.5	QPSK	8	MID	21.92	25.49
3	18615	1851.5	QPSK	8	HIGH	21.88	25.54
3	18615	1851.5	QPSK	15	LOW	20.93	26.64
3	18615	1851.5	Q16	1	LOW	21.41	25.6
3	18615	1851.5	Q16	1	MID	21.47	25.75
3	18615	1851.5	Q16	1	HIGH	21.41	25.86
3	18615	1851.5	Q16	8	LOW	21.4	25.6
3	18615	1851.5	Q16	8	MID	21.49	25.76
3	18615	1851.5	Q16	8	HIGH	21.41	25.85
3	18615	1851.5	Q16	15	LOW	20.07	26.36
3	18900	1880	QPSK	1	LOW	22.18	25.11
3	18900	1880	QPSK	1	MID	22.26	25.1
3	18900	1880	QPSK	1	HIGH	22.18	25.1
3	18900	1880	QPSK	8	LOW	22.18	25.1
3	18900	1880	QPSK	8	MID	22.25	25.1
3	18900	1880	QPSK	8	HIGH	22.18	25.1
3	18900	1880	QPSK	15	LOW	21.07	26.35
3	18900	1880	Q16	1	LOW	21.13	24.8
3	18900	1880	Q16	1	MID	21.14	24.78
3	18900	1880	Q16	1	HIGH	21.1	24.77
3	18900	1880	Q16	8	LOW	21.13	24.79
3	18900	1880	Q16	8	MID	21.12	24.78
3	18900	1880	Q16	8	HIGH	21.1	24.78
3	18900	1880	Q16	15	LOW	20.04	25.88
3	19185	1908.5	QPSK	1	LOW	22.24	25.35

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
3	19185	1908.5	QPSK	1	MID	22.37	25.02
3	19185	1908.5	QPSK	1	HIGH	22.37	25.03
3	19185	1908.5	QPSK	8	LOW	22.28	25.32
3	19185	1908.5	QPSK	8	MID	22.38	25.03
3	19185	1908.5	QPSK	8	HIGH	22.33	25
3	19185	1908.5	QPSK	15	LOW	21.23	26.69
3	19185	1908.5	Q16	1	LOW	21.31	25.08
3	19185	1908.5	Q16	1	MID	21.35	24.79
3	19185	1908.5	Q16	1	HIGH	21.31	24.75
3	19185	1908.5	Q16	8	LOW	21.28	25.04
3	19185	1908.5	Q16	8	MID	21.31	24.78
3	19185	1908.5	Q16	8	HIGH	21.29	24.77
3	19185	1908.5	Q16	15	LOW	20.25	26.19
5	18625	1852.5	QPSK	1	LOW	21.84	25.35
5	18625	1852.5	QPSK	1	MID	21.85	25.57
5	18625	1852.5	QPSK	1	HIGH	21.94	25.81
5	18625	1852.5	QPSK	12	LOW	21.92	25.36
5	18625	1852.5	QPSK	12	MID	21.92	25.59
5	18625	1852.5	QPSK	12	HIGH	21.82	25.79
5	18625	1852.5	QPSK	25	LOW	20.79	26.89
5	18625	1852.5	Q16	1	LOW	21.07	25.12
5	18625	1852.5	Q16	1	MID	21.11	25.32
5	18625	1852.5	Q16	1	HIGH	21.02	25.44
5	18625	1852.5	Q16	12	LOW	21.06	25.08
5	18625	1852.5	Q16	12	MID	21.09	25.33
5	18625	1852.5	Q16	12	HIGH	21	25.44
5	18625	1852.5	Q16	25	LOW	19.99	26.44
5	18900	1880	QPSK	1	LOW	22.11	25.08
5	18900	1880	QPSK	1	MID	22.21	24.95
5	18900	1880	QPSK	1	HIGH	22.09	24.97
5	18900	1880	QPSK	12	LOW	22.16	25.08
5	18900	1880	QPSK	12	MID	22.2	24.94
5	18900	1880	QPSK	12	HIGH	22.1	24.97
5	18900	1880	QPSK	25	LOW	20.9	26.22
5	18900	1880	Q16	1	LOW	21.37	25.18
5	18900	1880	Q16	1	MID	21.36	25.04
5	18900	1880	Q16	1	HIGH	21.3	25.07

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
5	18900	1880	Q16	12	LOW	21.37	25.17
5	18900	1880	Q16	12	MID	21.36	25.03
5	18900	1880	Q16	12	HIGH	21.3	25.08
5	18900	1880	Q16	25	LOW	19.86	26.19
5	19175	1907.5	QPSK	1	LOW	22.14	25.67
5	19175	1907.5	QPSK	1	MID	22.23	25.2
5	19175	1907.5	QPSK	1	HIGH	22.23	24.95
5	19175	1907.5	QPSK	12	LOW	22.15	25.63
5	19175	1907.5	QPSK	12	MID	22.24	25.2
5	19175	1907.5	QPSK	12	HIGH	22.25	24.95
5	19175	1907.5	QPSK	25	LOW	21.01	26.65
5	19175	1907.5	Q16	1	LOW	21.23	25.63
5	19175	1907.5	Q16	1	MID	21.22	25.23
5	19175	1907.5	Q16	1	HIGH	21.2	24.98
5	19175	1907.5	Q16	12	LOW	21.24	25.65
5	19175	1907.5	Q16	12	MID	21.22	25.25
5	19175	1907.5	Q16	12	HIGH	21.2	24.97
5	19175	1907.5	Q16	25	LOW	20.02	26.57
10	18650	1855	QPSK	1	LOW	22.02	25.44
10	18650	1855	QPSK	1	MID	21.94	25.82
10	18650	1855	QPSK	1	HIGH	21.89	26.24
10	18650	1855	QPSK	25	LOW	20.93	26.29
10	18650	1855	QPSK	25	MID	20.93	26.3
10	18650	1855	QPSK	25	HIGH	20.91	26.8
10	18650	1855	QPSK	50	LOW	20.97	27
10	18650	1855	Q16	1	LOW	21.48	25.7
10	18650	1855	Q16	1	MID	21.53	26.16
10	18650	1855	Q16	1	HIGH	21.61	26.69
10	18650	1855	Q16	25	LOW	20.93	26.32
10	18650	1855	Q16	25	MID	20.92	26.27
10	18650	1855	Q16	25	HIGH	20.94	26.8
10	18650	1855	Q16	50	LOW	20.09	27.29
10	18900	1880	QPSK	1	LOW	22.23	25.4
10	18900	1880	QPSK	1	MID	22.28	25.12
10	18900	1880	QPSK	1	HIGH	22.23	25.16
10	18900	1880	QPSK	25	LOW	21.03	25.74
10	18900	1880	QPSK	25	MID	21.04	25.78

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
10	18900	1880	QPSK	25	HIGH	21.02	25.7
10	18900	1880	QPSK	50	LOW	21.03	26.38
10	18900	1880	Q16	1	LOW	21.19	25.04
10	18900	1880	Q16	1	MID	21.16	24.8
10	18900	1880	Q16	1	HIGH	21.14	24.81
10	18900	1880	Q16	25	LOW	21.03	25.75
10	18900	1880	Q16	25	MID	21.03	25.77
10	18900	1880	Q16	25	HIGH	21.03	25.57
10	18900	1880	Q16	50	LOW	20.06	26.08
10	19150	1905	QPSK	1	LOW	22.11	26.16
10	19150	1905	QPSK	1	MID	22.19	25.65
10	19150	1905	QPSK	1	HIGH	22.35	25.02
10	19150	1905	QPSK	25	LOW	21.07	26.72
10	19150	1905	QPSK	25	MID	21.1	26.71
10	19150	1905	QPSK	25	HIGH	21.15	26.04
10	19150	1905	QPSK	50	LOW	21.17	26.73
10	19150	1905	Q16	1	LOW	21.28	25.84
10	19150	1905	Q16	1	MID	21.32	25.39
10	19150	1905	Q16	1	HIGH	21.39	24.89
10	19150	1905	Q16	25	LOW	21.11	26.79
10	19150	1905	Q16	25	MID	21.11	26.68
10	19150	1905	Q16	25	HIGH	21.17	26.02
10	19150	1905	Q16	50	LOW	20.29	27
15	18675	1857.5	QPSK	1	LOW	22.21	25.72
15	18675	1857.5	QPSK	1	MID	22.14	26.33
15	18675	1857.5	QPSK	1	HIGH	22.14	26.5
15	18675	1857.5	QPSK	36	LOW	21.29	26.75
15	18675	1857.5	QPSK	36	MID	21.29	26.7
15	18675	1857.5	QPSK	36	HIGH	21.25	27.19
15	18675	1857.5	QPSK	75	LOW	21.32	27.91
15	18675	1857.5	Q16	1	LOW	21.72	25.99
15	18675	1857.5	Q16	1	MID	21.85	26.75
15	18675	1857.5	Q16	1	HIGH	21.87	26.9
15	18675	1857.5	Q16	36	LOW	21.3	26.75
15	18675	1857.5	Q16	36	MID	21.28	26.7
15	18675	1857.5	Q16	36	HIGH	21.26	27.16
15	18675	1857.5	Q16	75	LOW	20.33	27.45

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
15	18900	1880	QPSK	1	LOW	22.44	25.8
15	18900	1880	QPSK	1	MID	22.49	25.38
15	18900	1880	QPSK	1	HIGH	22.47	25.64
15	18900	1880	QPSK	36	LOW	21.38	26.21
15	18900	1880	QPSK	36	MID	21.4	26.13
15	18900	1880	QPSK	36	HIGH	21.41	26.02
15	18900	1880	QPSK	75	LOW	21.43	27.19
15	18900	1880	Q16	1	LOW	21.4	25.36
15	18900	1880	Q16	1	MID	21.4	25.05
15	18900	1880	Q16	1	HIGH	21.39	25.21
15	18900	1880	Q16	36	LOW	21.39	26.16
15	18900	1880	Q16	36	MID	21.37	26.13
15	18900	1880	Q16	36	HIGH	21.43	26.03
15	18900	1880	Q16	75	LOW	20.38	26.85
15	19125	1902.5	QPSK	1	LOW	22.31	26.14
15	19125	1902.5	QPSK	1	MID	22.38	26.12
15	19125	1902.5	QPSK	1	HIGH	22.6	25.28
15	19125	1902.5	QPSK	36	LOW	21.24	26.94
15	19125	1902.5	QPSK	36	MID	21.22	26.96
15	19125	1902.5	QPSK	36	HIGH	21.41	26.36
15	19125	1902.5	QPSK	75	LOW	21.27	27.32
15	19125	1902.5	Q16	1	LOW	21.69	25.82
15	19125	1902.5	Q16	1	MID	21.74	25.84
15	19125	1902.5	Q16	1	HIGH	21.66	24.96
15	19125	1902.5	Q16	36	LOW	21.17	26.87
15	19125	1902.5	Q16	36	MID	21.15	26.85
15	19125	1902.5	Q16	36	HIGH	21.34	26.27
15	19125	1902.5	Q16	75	LOW	20.27	26.95
20	18700	1860	QPSK	1	LOW	22.16	25.69
20	18700	1860	QPSK	1	MID	22.22	26.5
20	18700	1860	QPSK	1	HIGH	22.14	26.13
20	18700	1860	QPSK	50	LOW	21	26.78
20	18700	1860	QPSK	50	MID	21.02	26.77
20	18700	1860	QPSK	50	HIGH	21.11	27.08
20	18700	1860	QPSK	100	LOW	21.06	27.08
20	18700	1860	Q16	1	LOW	21.35	25.55
20	18700	1860	Q16	1	MID	21.41	26.44

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
20	18700	1860	Q16	1	HIGH	21.45	25.99
20	18700	1860	Q16	50	LOW	21.05	26.78
20	18700	1860	Q16	50	MID	21.07	26.76
20	18700	1860	Q16	50	HIGH	21.14	27.09
20	18700	1860	Q16	100	LOW	20.18	27.75
20	18900	1880	QPSK	1	LOW	22.27	25.66
20	18900	1880	QPSK	1	MID	22.29	25.15
20	18900	1880	QPSK	1	HIGH	22.26	25.65
20	18900	1880	QPSK	50	LOW	21.09	26.07
20	18900	1880	QPSK	50	MID	21.1	26.04
20	18900	1880	QPSK	50	HIGH	21.09	26.01
20	18900	1880	QPSK	100	LOW	21.1	26.87
20	18900	1880	Q16	1	LOW	21.36	25.84
20	18900	1880	Q16	1	MID	21.29	25.25
20	18900	1880	Q16	1	HIGH	21.32	25.83
20	18900	1880	Q16	50	LOW	21.08	26
20	18900	1880	Q16	50	MID	21.09	26.03
20	18900	1880	Q16	50	HIGH	21.09	25.99
20	18900	1880	Q16	100	LOW	20.13	26.69
20	19100	1900	QPSK	1	LOW	22.11	25.78
20	19100	1900	QPSK	1	MID	22.09	26.24
20	19100	1900	QPSK	1	HIGH	22.39	25.12
20	19100	1900	QPSK	50	LOW	21.1	26.79
20	19100	1900	QPSK	50	MID	21.12	26.79
20	19100	1900	QPSK	50	HIGH	21.22	26.57
20	19100	1900	QPSK	100	LOW	21.1	26.98
20	19100	1900	Q16	1	LOW	21.51	25.66
20	19100	1900	Q16	1	MID	21.59	26.12
20	19100	1900	Q16	1	HIGH	21.62	25.02
20	19100	1900	Q16	50	LOW	21.06	26.75
20	19100	1900	Q16	50	MID	21.08	26.78
20	19100	1900	Q16	50	HIGH	21.18	26.53
20	19100	1900	Q16	100	LOW	20.19	27.13

Report No.: FCC16053699-4

BAND 4:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
1.4	19957	1710.7	QPSK	1	LOW	21.02	26.16
1.4	19957	1710.7	QPSK	1	MID	21.06	26.15
1.4	19957	1710.7	QPSK	1	HIGH	21.02	26.16
1.4	19957	1710.7	QPSK	3	LOW	21.22	26.47
1.4	19957	1710.7	QPSK	3	MID	21.21	26.46
1.4	19957	1710.7	QPSK	3	HIGH	21.23	26.48
1.4	19957	1710.7	QPSK	6	LOW	19.92	26.07
1.4	19957	1710.7	Q16	1	LOW	20.21	25.39
1.4	19957	1710.7	Q16	1	MID	20.33	25.42
1.4	19957	1710.7	Q16	1	HIGH	20.25	25.45
1.4	19957	1710.7	Q16	3	LOW	21.2	26.49
1.4	19957	1710.7	Q16	3	MID	21.21	26.48
1.4	19957	1710.7	Q16	3	HIGH	21.22	26.52
1.4	19957	1710.7	Q16	6	LOW	19.1	26.31
1.4	20393	1754.3	QPSK	1	LOW	21.03	25.18
1.4	20393	1754.3	QPSK	1	MID	21.1	25.07
1.4	20393	1754.3	QPSK	1	HIGH	21.06	24.99
1.4	20393	1754.3	QPSK	3	LOW	21.26	25.59
1.4	20393	1754.3	QPSK	3	MID	21.28	25.61
1.4	20393	1754.3	QPSK	3	HIGH	21.22	25.45
1.4	20393	1754.3	QPSK	6	LOW	19.99	25.58
1.4	20393	1754.3	Q16	1	LOW	20.32	24.92
1.4	20393	1754.3	Q16	1	MID	20.31	24.83
1.4	20393	1754.3	Q16	1	HIGH	20.24	24.71
1.4	20393	1754.3	Q16	3	LOW	21.25	25.62
1.4	20393	1754.3	Q16	3	MID	21.26	25.63
1.4	20393	1754.3	Q16	3	HIGH	21.24	25.46
1.4	20393	1754.3	Q16	6	LOW	19.04	25.55
1.4	20175	1732.5	QPSK	1	LOW	21.28	24.93
1.4	20175	1732.5	QPSK	1	MID	21.31	24.95
1.4	20175	1732.5	QPSK	1	HIGH	21.29	24.96
1.4	20175	1732.5	QPSK	3	LOW	21.37	25.24
1.4	20175	1732.5	QPSK	3	MID	21.38	25.24
1.4	20175	1732.5	QPSK	3	HIGH	21.3	25.28
1.4	20175	1732.5	QPSK	6	LOW	20.32	25.7
1.4	20175	1732.5	Q16	1	LOW	20.36	24.68

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
1.4	20175	1732.5	Q16	1	MID	20.38	24.73
1.4	20175	1732.5	Q16	1	HIGH	20.4	24.75
1.4	20175	1732.5	Q16	3	LOW	21.3	25.22
1.4	20175	1732.5	Q16	3	MID	21.3	25.26
1.4	20175	1732.5	Q16	3	HIGH	21.27	25.3
1.4	20175	1732.5	Q16	6	LOW	19.23	25.6
3	19965	1711.5	QPSK	1	LOW	20.93	26.09
3	19965	1711.5	QPSK	1	MID	21.05	26.17
3	19965	1711.5	QPSK	1	HIGH	21.03	26.1
3	19965	1711.5	QPSK	8	LOW	21	26.12
3	19965	1711.5	QPSK	8	MID	21.02	26.19
3	19965	1711.5	QPSK	8	HIGH	21	26.1
3	19965	1711.5	QPSK	15	LOW	20.04	26.58
3	19965	1711.5	Q16	1	LOW	20.25	25.41
3	19965	1711.5	Q16	1	MID	20.25	25.49
3	19965	1711.5	Q16	1	HIGH	20.23	25.4
3	19965	1711.5	Q16	8	LOW	20.23	25.4
3	19965	1711.5	Q16	8	MID	20.25	25.47
3	19965	1711.5	Q16	8	HIGH	20.22	25.41
3	19965	1711.5	Q16	15	LOW	19.12	26.71
3	20385	1753.5	QPSK	1	LOW	21.03	25.38
3	20385	1753.5	QPSK	1	MID	21.06	25.25
3	20385	1753.5	QPSK	1	HIGH	21.01	24.98
3	20385	1753.5	QPSK	8	LOW	21.06	25.4
3	20385	1753.5	QPSK	8	MID	21.05	25.23
3	20385	1753.5	QPSK	8	HIGH	21.04	24.99
3	20385	1753.5	QPSK	15	LOW	20.09	26.46
3	20385	1753.5	Q16	1	LOW	20.34	25.1
3	20385	1753.5	Q16	1	MID	20.31	24.97
3	20385	1753.5	Q16	1	HIGH	20.26	24.71
3	20385	1753.5	Q16	8	LOW	20.32	25.09
3	20385	1753.5	Q16	8	MID	20.32	24.97
3	20385	1753.5	Q16	8	HIGH	20.26	24.72
3	20385	1753.5	Q16	15	LOW	19.25	26.35
3	20175	1732.5	QPSK	1	LOW	21.25	24.74
3	20175	1732.5	QPSK	1	MID	21.28	24.79
3	20175	1732.5	QPSK	1	HIGH	21.23	24.76

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
3	20175	1732.5	QPSK	8	LOW	21.23	24.73
3	20175	1732.5	QPSK	8	MID	21.27	24.82
3	20175	1732.5	QPSK	8	HIGH	21.24	24.75
3	20175	1732.5	QPSK	15	LOW	20.25	25.82
3	20175	1732.5	Q16	1	LOW	20.75	25
3	20175	1732.5	Q16	1	MID	20.76	25.06
3	20175	1732.5	Q16	1	HIGH	20.71	25.04
3	20175	1732.5	Q16	8	LOW	20.69	24.98
3	20175	1732.5	Q16	8	MID	20.77	25.07
3	20175	1732.5	Q16	8	HIGH	20.71	25.07
3	20175	1732.5	Q16	15	LOW	19.32	25.48
5	19975	1712.5	QPSK	1	LOW	21.04	25.89
5	19975	1712.5	QPSK	1	MID	21.09	25.87
5	19975	1712.5	QPSK	1	HIGH	21.03	25.75
5	19975	1712.5	QPSK	12	LOW	21.09	25.86
5	19975	1712.5	QPSK	12	MID	21.08	25.84
5	19975	1712.5	QPSK	12	HIGH	21.03	25.73
5	19975	1712.5	QPSK	25	LOW	20.02	26.75
5	19975	1712.5	Q16	1	LOW	20.61	26.28
5	19975	1712.5	Q16	1	MID	20.63	26.29
5	19975	1712.5	Q16	1	HIGH	20.56	26.09
5	19975	1712.5	Q16	12	LOW	20.62	26.29
5	19975	1712.5	Q16	12	MID	20.64	26.28
5	19975	1712.5	Q16	12	HIGH	20.56	26.12
5	19975	1712.5	Q16	25	LOW	19.07	26.88
5	20375	1752.5	QPSK	1	LOW	21.21	25.85
5	20375	1752.5	QPSK	1	MID	21.18	25.55
5	20375	1752.5	QPSK	1	HIGH	21.09	25.16
5	20375	1752.5	QPSK	12	LOW	21.22	25.84
5	20375	1752.5	QPSK	12	MID	21.17	25.53
5	20375	1752.5	QPSK	12	HIGH	21.08	25.15
5	20375	1752.5	QPSK	25	LOW	20.09	26.4
5	20375	1752.5	Q16	1	LOW	20.5	25.87
5	20375	1752.5	Q16	1	MID	20.39	25.56
5	20375	1752.5	Q16	1	HIGH	20.29	25.16
5	20375	1752.5	Q16	12	LOW	20.49	25.87
5	20375	1752.5	Q16	12	MID	20.4	25.56

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
5	20375	1752.5	Q16	12	HIGH	20.27	25.16
5	20375	1752.5	Q16	25	LOW	19.15	26.29
5	20175	1732.5	QPSK	1	LOW	21.31	24.79
5	20175	1732.5	QPSK	1	MID	21.32	24.86
5	20175	1732.5	QPSK	1	HIGH	21.28	24.91
5	20175	1732.5	QPSK	12	LOW	21.33	24.8
5	20175	1732.5	QPSK	12	MID	21.34	24.87
5	20175	1732.5	QPSK	12	HIGH	21.29	24.9
5	20175	1732.5	QPSK	25	LOW	20.22	26.28
5	20175	1732.5	Q16	1	LOW	20.47	24.51
5	20175	1732.5	Q16	1	MID	20.46	24.57
5	20175	1732.5	Q16	1	HIGH	20.41	24.56
5	20175	1732.5	Q16	12	LOW	20.47	24.5
5	20175	1732.5	Q16	12	MID	20.46	24.57
5	20175	1732.5	Q16	12	HIGH	20.41	24.56
5	20175	1732.5	Q16	25	LOW	19.35	25.8
10	20000	1715	QPSK	1	LOW	21.01	26.18
10	20000	1715	QPSK	1	MID	21.06	26
10	20000	1715	QPSK	1	HIGH	21.15	25.71
10	20000	1715	QPSK	25	LOW	20.04	26.63
10	20000	1715	QPSK	25	MID	20.04	26.61
10	20000	1715	QPSK	25	HIGH	20.08	26.44
10	20000	1715	QPSK	50	LOW	20.12	26.66
10	20000	1715	Q16	1	LOW	20.31	25.48
10	20000	1715	Q16	1	MID	20.33	25.41
10	20000	1715	Q16	1	HIGH	20.34	25.16
10	20000	1715	Q16	25	LOW	20.03	26.6
10	20000	1715	Q16	25	MID	20.02	26.5
10	20000	1715	Q16	25	HIGH	20.07	26.44
10	20000	1715	Q16	50	LOW	19.24	26.51
10	20350	1750	QPSK	1	LOW	21.17	25.9
10	20350	1750	QPSK	1	MID	21.12	25.68
10	20350	1750	QPSK	1	HIGH	21.04	25.09
10	20350	1750	QPSK	25	LOW	20.19	26.54
10	20350	1750	QPSK	25	MID	20.17	26.5
10	20350	1750	QPSK	25	HIGH	20.09	26.1
10	20350	1750	QPSK	50	LOW	20.16	26.52

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
10	20350	1750	Q16	1	LOW	20.49	25.51
10	20350	1750	Q16	1	MID	20.39	25.3
10	20350	1750	Q16	1	HIGH	20.27	24.81
10	20350	1750	Q16	25	LOW	20.17	26.59
10	20350	1750	Q16	25	MID	20.17	26.63
10	20350	1750	Q16	25	HIGH	20.09	26.24
10	20350	1750	Q16	50	LOW	19.31	26.79
10	20175	1732.5	QPSK	1	LOW	21.27	24.74
10	20175	1732.5	QPSK	1	MID	21.31	24.79
10	20175	1732.5	QPSK	1	HIGH	21.23	25.1
10	20175	1732.5	QPSK	25	LOW	20.25	25.26
10	20175	1732.5	QPSK	25	MID	20.25	25.26
10	20175	1732.5	QPSK	25	HIGH	20.24	25.46
10	20175	1732.5	QPSK	50	LOW	20.28	25.84
10	20175	1732.5	Q16	1	LOW	20.74	24.98
10	20175	1732.5	Q16	1	MID	20.75	25.06
10	20175	1732.5	Q16	1	HIGH	20.8	25.44
10	20175	1732.5	Q16	25	LOW	20.2	25.23
10	20175	1732.5	Q16	25	MID	20.2	25.26
10	20175	1732.5	Q16	25	HIGH	20.23	25.45
10	20175	1732.5	Q16	50	LOW	19.3	25.92
15	20025	1717.5	QPSK	1	LOW	21.04	26.24
15	20025	1717.5	QPSK	1	MID	21.15	25.91
15	20025	1717.5	QPSK	1	HIGH	21.29	25.18
15	20025	1717.5	QPSK	36	LOW	20	26.56
15	20025	1717.5	QPSK	36	MID	19.99	26.59
15	20025	1717.5	QPSK	36	HIGH	20.17	26.05
15	20025	1717.5	QPSK	75	LOW	20.15	26.99
15	20025	1717.5	Q16	1	LOW	20.28	25.46
15	20025	1717.5	Q16	1	MID	20.33	25.32
15	20025	1717.5	Q16	1	HIGH	20.37	24.7
15	20025	1717.5	Q16	36	LOW	20.01	26.57
15	20025	1717.5	Q16	36	MID	20	26.55
15	20025	1717.5	Q16	36	HIGH	20.18	26.07
15	20025	1717.5	Q16	75	LOW	19.21	26.61
15	20325	1747.5	QPSK	1	LOW	21.24	25.43
15	20325	1747.5	QPSK	1	MID	21.19	25.77

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
15	20325	1747.5	QPSK	1	HIGH	21.08	25.1
15	20325	1747.5	QPSK	36	LOW	20.27	26.41
15	20325	1747.5	QPSK	36	MID	20.27	26.41
15	20325	1747.5	QPSK	36	HIGH	20.16	26.3
15	20325	1747.5	QPSK	75	LOW	20.24	26.91
15	20325	1747.5	Q16	1	LOW	20.85	25.17
15	20325	1747.5	Q16	1	MID	20.91	25.59
15	20325	1747.5	Q16	1	HIGH	20.67	24.93
15	20325	1747.5	Q16	36	LOW	20.27	26.37
15	20325	1747.5	Q16	36	MID	20.24	26.36
15	20325	1747.5	Q16	36	HIGH	20.16	26.25
15	20325	1747.5	Q16	75	LOW	19.27	26.54
15	20175	1732.5	QPSK	1	LOW	21.24	24.92
15	20175	1732.5	QPSK	1	MID	21.34	24.85
15	20175	1732.5	QPSK	1	HIGH	21.23	25.22
15	20175	1732.5	QPSK	36	LOW	20.38	25.41
15	20175	1732.5	QPSK	36	MID	20.38	25.42
15	20175	1732.5	QPSK	36	HIGH	20.36	25.57
15	20175	1732.5	QPSK	75	LOW	20.37	26.53
15	20175	1732.5	Q16	1	LOW	20.78	25.2
15	20175	1732.5	Q16	1	MID	20.79	25.11
15	20175	1732.5	Q16	1	HIGH	20.83	25.52
15	20175	1732.5	Q16	36	LOW	20.37	25.39
15	20175	1732.5	Q16	36	MID	20.37	25.4
15	20175	1732.5	Q16	36	HIGH	20.34	25.58
15	20175	1732.5	Q16	75	LOW	19.34	25.97
20	20050	1720	QPSK	1	LOW	21.15	26.11
20	20050	1720	QPSK	1	MID	21.31	25.49
20	20050	1720	QPSK	1	HIGH	21.47	24.81
20	20050	1720	QPSK	50	LOW	20.16	26.55
20	20050	1720	QPSK	50	MID	20.15	26.6
20	20050	1720	QPSK	50	HIGH	20.28	25.76
20	20050	1720	QPSK	100	LOW	20.19	26.72
20	20050	1720	Q16	1	LOW	20.44	26.44
20	20050	1720	Q16	1	MID	20.51	25.74
20	20050	1720	Q16	1	HIGH	20.51	24.98
20	20050	1720	Q16	50	LOW	20.13	26.55

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
20	20050	1720	Q16	50	MID	20.14	26.59
20	20050	1720	Q16	50	HIGH	20.25	25.75
20	20050	1720	Q16	100	LOW	19.26	26.69
20	20300	1745	QPSK	1	LOW	21.31	25.16
20	20300	1745	QPSK	1	MID	21.14	25.95
20	20300	1745	QPSK	1	HIGH	21.05	25.29
20	20300	1745	QPSK	50	LOW	20.29	26.11
20	20300	1745	QPSK	50	MID	20.29	26.12
20	20300	1745	QPSK	50	HIGH	20.25	26.34
20	20300	1745	QPSK	100	LOW	20.23	26.52
20	20300	1745	Q16	1	LOW	20.75	25.06
20	20300	1745	Q16	1	MID	20.8	25.9
20	20300	1745	Q16	1	HIGH	20.65	25.3
20	20300	1745	Q16	50	LOW	20.29	26.19
20	20300	1745	Q16	50	MID	20.29	26.11
20	20300	1745	Q16	50	HIGH	20.22	26.36
20	20300	1745	Q16	100	LOW	19.36	26.58
20	20175	1732.5	QPSK	1	LOW	21.31	25.22
20	20175	1732.5	QPSK	1	MID	21.39	24.94
20	20175	1732.5	QPSK	1	HIGH	21.32	25.67
20	20175	1732.5	QPSK	50	LOW	20.29	25.54
20	20175	1732.5	QPSK	50	MID	20.29	25.5
20	20175	1732.5	QPSK	50	HIGH	20.33	25.75
20	20175	1732.5	QPSK	100	LOW	20.3	26.25
20	20175	1732.5	Q16	1	LOW	20.59	25.12
20	20175	1732.5	Q16	1	MID	20.61	24.83
20	20175	1732.5	Q16	1	HIGH	20.67	25.58
20	20175	1732.5	Q16	50	LOW	20.3	25.48
20	20175	1732.5	Q16	50	MID	20.3	25.51
20	20175	1732.5	Q16	50	HIGH	20.32	25.74
20	20175	1732.5	Q16	100	LOW	19.35	26.61

BAND 7:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
5	20775	2502.5	QPSK	1	LOW	21.95	26.03
5	20775	2502.5	QPSK	1	MID	21.97	26.14
5	20775	2502.5	QPSK	1	HIGH	21.92	26.18
5	20775	2502.5	QPSK	12	LOW	21.98	26.02
5	20775	2502.5	QPSK	12	MID	22.04	26.18
5	20775	2502.5	QPSK	12	HIGH	21.91	26.17
5	20775	2502.5	QPSK	25	LOW	20.82	27.07
5	20775	2502.5	Q16	1	LOW	21.33	26.34
5	20775	2502.5	Q16	1	MID	21.34	26.53
5	20775	2502.5	Q16	1	HIGH	21.3	26.59
5	20775	2502.5	Q16	12	LOW	21.3	26.34
5	20775	2502.5	Q16	12	MID	21.31	26.47
5	20775	2502.5	Q16	12	HIGH	21.28	26.58
5	20775	2502.5	Q16	25	LOW	19.76	26.94
5	21425	2567.5	QPSK	1	LOW	21.85	26.07
5	21425	2567.5	QPSK	1	MID	21.92	26.23
5	21425	2567.5	QPSK	1	HIGH	21.88	26.29
5	21425	2567.5	QPSK	12	LOW	21.88	26.05
5	21425	2567.5	QPSK	12	MID	21.99	26.21
5	21425	2567.5	QPSK	12	HIGH	21.88	26.29
5	21425	2567.5	QPSK	25	LOW	20.78	27.07
5	21425	2567.5	Q16	1	LOW	20.99	25.94
5	21425	2567.5	Q16	1	MID	21.04	26.13
5	21425	2567.5	Q16	1	HIGH	21.04	26.23
5	21425	2567.5	Q16	12	LOW	20.97	25.96
5	21425	2567.5	Q16	12	MID	21.02	26.15
5	21425	2567.5	Q16	12	HIGH	21.03	26.22
5	21425	2567.5	Q16	25	LOW	19.73	27.14
5	21100	2535	QPSK	1	LOW	21.63	26.08
5	21100	2535	QPSK	1	MID	21.59	26.1
5	21100	2535	QPSK	1	HIGH	21.51	26.14
5	21100	2535	QPSK	12	LOW	21.64	26.07
5	21100	2535	QPSK	12	MID	21.57	26.11
5	21100	2535	QPSK	12	HIGH	21.5	26.15
5	21100	2535	QPSK	25	LOW	20.5	27.32
5	21100	2535	QPSK	1	LOW	21.66	26.12
5	21100	2535	QPSK	1	MID	21.62	26.14

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
5	21100	2535	QPSK	1	HIGH	21.55	26.21
5	21100	2535	QPSK	12	LOW	21.67	26.1
5	21100	2535	QPSK	12	MID	21.6	26.14
5	21100	2535	QPSK	12	HIGH	21.53	26.17
5	21100	2535	QPSK	25	LOW	20.57	26.97
10	20800	2505	QPSK	1	LOW	22	26.4
10	20800	2505	QPSK	1	MID	22.01	26.59
10	20800	2505	QPSK	1	HIGH	21.99	26.66
10	20800	2505	QPSK	25	LOW	20.87	26.86
10	20800	2505	QPSK	25	MID	20.87	26.87
10	20800	2505	QPSK	25	HIGH	20.85	26.98
10	20800	2505	QPSK	50	LOW	20.86	27.16
10	20800	2505	Q16	1	LOW	21.06	25.58
10	20800	2505	Q16	1	MID	21.09	25.75
10	20800	2505	Q16	1	HIGH	21	25.73
10	20800	2505	Q16	25	LOW	20.89	26.88
10	20800	2505	Q16	25	MID	20.88	26.81
10	20800	2505	Q16	25	HIGH	20.85	26.97
10	20800	2505	Q16	50	LOW	19.87	27.06
10	21400	2565	QPSK	1	LOW	21.73	25.73
10	21400	2565	QPSK	1	MID	21.79	25.84
10	21400	2565	QPSK	1	HIGH	21.91	26.15
10	21400	2565	QPSK	25	LOW	20.69	26.56
10	21400	2565	QPSK	25	MID	20.66	26.53
10	21400	2565	QPSK	25	HIGH	20.81	26.78
10	21400	2565	QPSK	50	LOW	20.73	26.7
10	21400	2565	QPSK	1	LOW	21.71	25.74
10	21400	2565	QPSK	1	MID	21.83	25.85
10	21400	2565	QPSK	1	HIGH	21.9	26.13
10	21400	2565	Q16	25	LOW	20.69	26.44
10	21400	2565	Q16	25	MID	20.71	26.5
10	21400	2565	Q16	25	HIGH	20.81	26.72
10	21400	2565	Q16	50	LOW	19.78	27.1
10	21100	2535	QPSK	1	LOW	21.7	25.96
10	21100	2535	QPSK	1	MID	21.59	26.04
10	21100	2535	QPSK	1	HIGH	21.54	26.14
10	21100	2535	QPSK	25	LOW	20.67	26.64
10	21100	2535	QPSK	25	MID	20.65	26.63

Report No.: FCC16053699-4

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
10	21100	2535	QPSK	25	HIGH	20.55	26.76
10	21100	2535	QPSK	50	LOW	20.61	26.84
10	21100	2535	QPSK	1	LOW	21.8	25.99
10	21100	2535	QPSK	1	MID	21.6	25.97
10	21100	2535	QPSK	1	HIGH	21.51	26.15
10	21100	2535	Q16	25	LOW	20.64	26.6
10	21100	2535	Q16	25	MID	20.66	26.58
10	21100	2535	Q16	25	HIGH	20.55	26.69
10	21100	2535	Q16	50	LOW	19.62	27.08
15	20825	2507.5	QPSK	1	LOW	22.1	26.47
15	20825	2507.5	QPSK	1	MID	22.02	26.71
15	20825	2507.5	QPSK	1	HIGH	21.9	26.56
15	20825	2507.5	QPSK	36	LOW	20.95	27
15	20825	2507.5	QPSK	36	MID	20.83	26.87
15	20825	2507.5	QPSK	36	HIGH	20.93	27.01
15	20825	2507.5	QPSK	75	LOW	20.85	27.37
15	20825	2507.5	Q16	1	LOW	21.03	25.54
15	20825	2507.5	Q16	1	MID	21.03	25.74
15	20825	2507.5	Q16	1	HIGH	20.92	25.53
15	20825	2507.5	Q16	36	LOW	20.99	26.99
15	20825	2507.5	Q16	36	MID	20.99	26.92
15	20825	2507.5	Q16	36	HIGH	20.92	26.97
15	20825	2507.5	Q16	75	LOW	19.98	27.2
15	21375	2562.5	QPSK	1	LOW	21.6	25.75
15	21375	2562.5	QPSK	1	MID	21.77	25.69
15	21375	2562.5	QPSK	1	HIGH	21.95	26.05
15	21375	2562.5	QPSK	36	LOW	20.78	26.39
15	21375	2562.5	QPSK	36	MID	20.7	26.43
15	21375	2562.5	QPSK	36	HIGH	20.93	26.62
15	21375	2562.5	QPSK	75	LOW	20.77	27.18
15	21375	2562.5	Q16	1	LOW	21.12	25.45
15	21375	2562.5	Q16	1	MID	21.23	25.43
15	21375	2562.5	Q16	1	HIGH	**21.51**	25.83
15	21375	2562.5	Q16	36	LOW	20.69	26.42
15	21375	2562.5	Q16	36	MID	20.68	26.35
15	21375	2562.5	Q16	36	HIGH	20.93	26.62
15	21375	2562.5	Q16	75	LOW	19.71	26.72
15	21100	2535	QPSK	1	LOW	21.76	25.93

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
15	21100	2535	QPSK	1	MID	21.61	26.06
15	21100	2535	QPSK	1	HIGH	21.56	26.24
15	21100	2535	QPSK	36	LOW	20.8	26.69
15	21100	2535	QPSK	36	MID	20.82	26.66
15	21100	2535	QPSK	36	HIGH	20.61	26.71
15	21100	2535	QPSK	75	LOW	20.67	**27.56**
15	21100	2535	Q16	1	LOW	21.32	26.35
15	21100	2535	Q16	1	MID	21.23	26.54
15	21100	2535	Q16	1	HIGH	21.22	26.83
15	21100	2535	Q16	36	LOW	20.82	26.66
15	21100	2535	Q16	36	MID	20.81	26.66
15	21100	2535	Q16	36	HIGH	20.62	26.67
15	21100	2535	Q16	75	LOW	19.68	26.81
20	20850	2510	QPSK	1	LOW	**22.18**	26.36
20	20850	2510	QPSK	1	MID	22.06	26.52
20	20850	2510	QPSK	1	HIGH	21.94	26.17
20	20850	2510	QPSK	50	LOW	20.92	27.05
20	20850	2510	QPSK	50	MID	20.93	27.11
20	20850	2510	QPSK	50	HIGH	20.81	26.87
20	20850	2510	QPSK	100	LOW	20.84	27.23
20	20850	2510	Q16	1	LOW	21.23	26.53
20	20850	2510	Q16	1	MID	21.14	26.78
20	20850	2510	Q16	1	HIGH	20.98	26.44
20	20850	2510	Q16	50	LOW	20.86	27.02
20	20850	2510	Q16	50	MID	20.84	27.03
20	20850	2510	Q16	50	HIGH	20.73	26.83
20	20850	2510	Q16	100	LOW	19.77	27.2
20	21350	2560	QPSK	1	LOW	21.44	26.06
20	21350	2560	QPSK	1	MID	21.62	25.65
20	21350	2560	QPSK	1	HIGH	21.84	26.09
20	21350	2560	QPSK	50	LOW	20.47	26.34
20	21350	2560	QPSK	50	MID	20.46	26.33
20	21350	2560	QPSK	50	HIGH	20.69	26.41
20	21350	2560	QPSK	100	LOW	20.54	26.85
20	21350	2560	Q16	1	LOW	20.94	25.97
20	21350	2560	Q16	1	MID	21.01	25.54
20	21350	2560	Q16	1	HIGH	21.37	26.08
20	21350	2560	Q16	50	LOW	20.46	26.39

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
20	21350	2560	Q16	50	MID	20.46	26.41
20	21350	2560	Q16	50	HIGH	20.67	26.38
20	21350	2560	Q16	100	LOW	19.58	26.64
20	21100	2535	QPSK	1	LOW	22.01	26.19
20	21100	2535	QPSK	1	MID	21.74	26.31
20	21100	2535	QPSK	1	HIGH	21.78	26.63
20	21100	2535	QPSK	50	LOW	20.79	26.79
20	21100	2535	QPSK	50	MID	20.79	26.75
20	21100	2535	QPSK	50	HIGH	20.67	26.95
20	21100	2535	QPSK	100	LOW	20.71	27.12
20	21100	2535	Q16	1	LOW	21.3	26.06
20	21100	2535	Q16	1	MID	21.08	26.2
20	21100	2535	Q16	1	HIGH	21.09	26.55
20	21100	2535	Q16	50	LOW	20.88	26.79
20	21100	2535	Q16	50	MID	20.8	26.8
20	21100	2535	Q16	50	HIGH	20.71	26.93
20	21100	2535	Q16	100	LOW	19.79	27.63

BAND 20:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
5	24175	834.5	QPSK	1	LOW	**22.92**	26.99
5	24175	834.5	QPSK	1	MID	22.87	27.12
5	24175	834.5	QPSK	1	HIGH	22.78	26.74
5	24175	834.5	QPSK	12	LOW	**22.92**	27.01
5	24175	834.5	QPSK	12	MID	22.87	27.14
5	24175	834.5	QPSK	12	HIGH	22.79	26.72
5	24175	834.5	QPSK	25	LOW	21.76	27.97
5	24175	834.5	Q16	1	LOW	22.34	27.27
5	24175	834.5	Q16	1	MID	22.33	27.48
5	24175	834.5	Q16	1	HIGH	22.17	27
5	24175	834.5	Q16	12	LOW	22.32	27.27
5	24175	834.5	Q16	12	MID	22.34	27.47
5	24175	834.5	Q16	12	HIGH	22.18	27
5	24175	834.5	Q16	25	LOW	20.71	27.92
5	24295	846.5	QPSK	1	LOW	22.72	27.5
5	24295	846.5	QPSK	1	MID	22.67	27.97
5	24295	846.5	QPSK	1	HIGH	22.64	28.18
5	24295	846.5	QPSK	12	LOW	22.7	27.48
5	24295	846.5	QPSK	12	MID	22.7	27.98
5	24295	846.5	QPSK	12	HIGH	22.63	28.18
5	24295	846.5	QPSK	25	LOW	21.6	**28.83**
5	24295	846.5	Q16	1	LOW	21.92	27.5
5	24295	846.5	Q16	1	MID	21.98	28.01
5	24295	846.5	Q16	1	HIGH	21.97	28.23
5	24295	846.5	Q16	12	LOW	21.94	27.48
5	24295	846.5	Q16	12	MID	21.98	28.03
5	24295	846.5	Q16	12	HIGH	21.97	28.23
5	24295	846.5	Q16	25	LOW	20.67	28.03
5	24230	840	QPSK	1	LOW	22.68	26.6
5	24230	840	QPSK	1	MID	22.69	26.5
5	24230	840	QPSK	1	HIGH	22.59	26.76
5	24230	840	QPSK	12	LOW	22.67	26.6
5	24230	840	QPSK	12	MID	22.69	26.52
5	24230	840	QPSK	12	HIGH	22.61	26.75
5	24230	840	QPSK	25	LOW	21.62	27.61
5	24230	840	QPSK	1	LOW	22.68	26.61
5	24230	840	QPSK	1	MID	22.69	26.53

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
5	24230	840	QPSK	1	HIGH	22.59	26.74
5	24230	840	QPSK	12	LOW	22.67	26.61
5	24230	840	QPSK	12	MID	22.68	26.52
5	24230	840	QPSK	12	HIGH	22.61	26.75
5	24230	840	QPSK	25	LOW	21.61	27.46
10	24200	837	QPSK	1	LOW	22.81	27.31
10	24200	837	QPSK	1	MID	22.75	26.76
10	24200	837	QPSK	1	HIGH	22.72	26.71
10	24200	837	QPSK	25	LOW	21.75	27.72
10	24200	837	QPSK	25	MID	21.73	27.68
10	24200	837	QPSK	25	HIGH	21.67	27.14
10	24200	837	QPSK	50	LOW	21.7	27.72
10	24200	837	Q16	1	LOW	21.94	26.6
10	24200	837	Q16	1	MID	21.87	26.28
10	24200	837	Q16	1	HIGH	21.81	26.1
10	24200	837	Q16	25	LOW	21.75	27.7
10	24200	837	Q16	25	MID	21.73	27.67
10	24200	837	Q16	25	HIGH	21.67	27.11
10	24200	837	Q16	50	LOW	20.72	27.44
10	24270	844	QPSK	1	LOW	22.73	26.55
10	24270	844	QPSK	1	MID	22.62	27.21
10	24270	844	QPSK	1	HIGH	22.6	27.96
10	24270	844	QPSK	25	LOW	21.63	27.51
10	24270	844	QPSK	25	MID	21.62	27.49
10	24270	844	QPSK	25	HIGH	21.64	28.46
10	24270	844	QPSK	50	LOW	21.67	27.58
10	24270	844	QPSK	1	LOW	22.7	26.51
10	24270	844	QPSK	1	MID	22.59	27.21
10	24270	844	QPSK	1	HIGH	22.61	27.94
10	24270	844	Q16	25	LOW	21.62	27.4
10	24270	844	Q16	25	MID	21.62	27.47
10	24270	844	Q16	25	HIGH	21.65	28.44
10	24270	844	Q16	50	LOW	20.69	28.22
10	24230	840	QPSK	1	LOW	22.65	27.02
10	24230	840	QPSK	1	MID	22.62	26.37
10	24230	840	QPSK	1	HIGH	22.55	27.14
10	24230	840	QPSK	25	LOW	21.65	27.1
10	24230	840	QPSK	25	MID	21.65	27.1

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
10	24230	840	QPSK	25	HIGH	21.6	27.23
10	24230	840	QPSK	50	LOW	21.64	27.54
10	24230	840	QPSK	1	LOW	22.69	26.99
10	24230	840	QPSK	1	MID	22.65	26.37
10	24230	840	QPSK	1	HIGH	22.54	27.15
10	24230	840	Q16	25	LOW	21.67	27.17
10	24230	840	Q16	25	MID	21.65	27.15
10	24230	840	Q16	25	HIGH	21.6	27.29
10	24230	840	Q16	50	LOW	20.65	27.72
15	24225	839.5	QPSK	1	LOW	22.83	27.38
15	24225	839.5	QPSK	1	MID	22.75	26.57
15	24225	839.5	QPSK	1	HIGH	22.66	27.66
15	24225	839.5	QPSK	36	LOW	21.73	27.61
15	24225	839.5	QPSK	36	MID	21.71	27.63
15	24225	839.5	QPSK	36	HIGH	21.66	27.54
15	24225	839.5	QPSK	75	LOW	21.72	28.22
15	24225	839.5	Q16	1	LOW	21.95	26.66
15	24225	839.5	Q16	1	MID	21.81	26
15	24225	839.5	Q16	1	HIGH	21.82	26.83
15	24225	839.5	Q16	36	LOW	21.73	27.66
15	24225	839.5	Q16	36	MID	21.74	27.6
15	24225	839.5	Q16	36	HIGH	21.66	27.55
15	24225	839.5	Q16	75	LOW	20.72	27.92
15	24245	841.5	QPSK	1	LOW	22.76	27.2
15	24245	841.5	QPSK	1	MID	22.68	26.59
15	24245	841.5	QPSK	1	HIGH	22.64	27.79
15	24245	841.5	QPSK	36	LOW	21.71	27.42
15	24245	841.5	QPSK	36	MID	21.72	27.42
15	24245	841.5	QPSK	36	HIGH	21.65	27.95
15	24245	841.5	QPSK	75	LOW	21.7	28.36
15	24245	841.5	Q16	1	LOW	**22.43**	26.96
15	24245	841.5	Q16	1	MID	22.19	26.36
15	24245	841.5	Q16	1	HIGH	22.35	27.53
15	24245	841.5	Q16	36	LOW	21.71	27.38
15	24245	841.5	Q16	36	MID	21.72	27.38
15	24245	841.5	Q16	36	HIGH	21.64	27.94
15	24245	841.5	Q16	75	LOW	20.7	27.92
15	24230	840	QPSK	1	LOW	22.72	27.24

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
15	24230	840	QPSK	1	MID	22.65	26.43
15	24230	840	QPSK	1	HIGH	22.56	27.55
15	24230	840	QPSK	36	LOW	21.73	27.55
15	24230	840	QPSK	36	MID	21.73	27.55
15	24230	840	QPSK	36	HIGH	21.68	27.51
15	24230	840	QPSK	75	LOW	21.7	28.42
15	24230	840	Q16	1	LOW	22.42	27.69
15	24230	840	Q16	1	MID	22.18	26.76
15	24230	840	Q16	1	HIGH	22.32	28.11
15	24230	840	Q16	36	LOW	21.72	27.56
15	24230	840	Q16	36	MID	21.73	27.56
15	24230	840	Q16	36	HIGH	21.67	27.51
15	24230	840	Q16	75	LOW	20.69	27.88

BAND 28:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
3	27450	727	QPSK	1	LOW	22.86	27.4
3	27450	727	QPSK	1	MID	22.92	27.02
3	27450	727	QPSK	1	HIGH	22.92	26.84
3	27450	727	QPSK	8	LOW	22.85	27.41
3	27450	727	QPSK	8	MID	22.92	27.02
3	27450	727	QPSK	8	HIGH	22.91	26.82
3	27450	727	QPSK	15	LOW	21.81	28.1
3	27450	727	Q16	1	LOW	22	26.84
3	27450	727	Q16	1	MID	21.97	26.82
3	27450	727	Q16	1	HIGH	21.94	26.55
3	27450	727	Q16	8	LOW	22.01	26.86
3	27450	727	Q16	8	MID	21.98	26.78
3	27450	727	Q16	8	HIGH	21.92	26.59
3	27450	727	Q16	15	LOW	20.81	27.72
3	27645	746.5	QPSK	1	LOW	22.94	27
3	27645	746.5	QPSK	1	MID	23.04	27.07
3	27645	746.5	QPSK	1	HIGH	23.02	27.31
3	27645	746.5	QPSK	8	LOW	22.95	27.02
3	27645	746.5	QPSK	8	MID	23.03	27.07
3	27645	746.5	QPSK	8	HIGH	22.98	27.34
3	27645	746.5	QPSK	15	LOW	21.98	28.69
3	27645	746.5	Q16	1	LOW	22.14	26.59
3	27645	746.5	Q16	1	MID	22.21	26.85
3	27645	746.5	Q16	1	HIGH	22.25	26.94
3	27645	746.5	Q16	8	LOW	22.16	26.7
3	27645	746.5	Q16	8	MID	22.21	26.87
3	27645	746.5	Q16	8	HIGH	22.25	27.08
3	27645	746.5	Q16	15	LOW	21.11	27.95
3	27540	736	QPSK	1	LOW	22.69	27.23
3	27540	736	QPSK	1	MID	22.72	27.52
3	27540	736	QPSK	1	HIGH	22.72	27.86
3	27540	736	QPSK	8	LOW	22.7	27.22
3	27540	736	QPSK	8	MID	22.71	27.54
3	27540	736	QPSK	8	HIGH	22.71	27.89
3	27540	736	QPSK	15	LOW	21.82	28.21
3	27540	736	Q16	1	LOW	22.4	27.54

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
3	27540	736	Q16	1	MID	22.51	27.95
3	27540	736	Q16	1	HIGH	22.56	28.35
3	27540	736	Q16	8	LOW	22.37	27.54
3	27540	736	Q16	8	MID	22.52	27.92
3	27540	736	Q16	8	HIGH	22.56	28.34
3	27540	736	Q16	15	LOW	20.97	28.12
5	27460	728	QPSK	1	LOW	22.94	27.16
5	27460	728	QPSK	1	MID	22.97	26.55
5	27460	728	QPSK	1	HIGH	22.94	26.45
5	27460	728	QPSK	12	LOW	22.95	27.08
5	27460	728	QPSK	12	MID	22.95	26.59
5	27460	728	QPSK	12	HIGH	22.94	26.46
5	27460	728	QPSK	25	LOW	21.79	28.01
5	27460	728	Q16	1	LOW	22.34	27.47
5	27460	728	Q16	1	MID	22.28	26.83
5	27460	728	Q16	1	HIGH	22.21	26.68
5	27460	728	Q16	12	LOW	22.35	27.44
5	27460	728	Q16	12	MID	22.26	26.76
5	27460	728	Q16	12	HIGH	22.22	26.69
5	27460	728	Q16	25	LOW	20.76	28.02
5	27635	745.5	QPSK	1	LOW	22.98	27.67
5	27635	745.5	QPSK	1	MID	23.09	27.15
5	27635	745.5	QPSK	1	HIGH	23.08	27.5
5	27635	745.5	QPSK	12	LOW	22.98	27.62
5	27635	745.5	QPSK	12	MID	23.1	27.15
5	27635	745.5	QPSK	12	HIGH	23.07	27.5
5	27635	745.5	QPSK	25	LOW	21.95	28.36
5	27635	745.5	Q16	1	LOW	22.18	27.7
5	27635	745.5	Q16	1	MID	22.19	27.2
5	27635	745.5	Q16	1	HIGH	22.24	27.65
5	27635	745.5	Q16	12	LOW	22.17	27.72
5	27635	745.5	Q16	12	MID	22.19	27.19
5	27635	745.5	Q16	12	HIGH	22.23	27.66
5	27635	745.5	Q16	25	LOW	20.98	28.54
5	27540	736	QPSK	1	LOW	22.88	27.17
5	27540	736	QPSK	1	MID	22.83	27.78
5	27540	736	QPSK	1	HIGH	22.81	28.28

Report No.: FCC16053699-4

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
5	27540	736	QPSK	12	LOW	22.88	27.2
5	27540	736	QPSK	12	MID	22.81	27.72
5	27540	736	QPSK	12	HIGH	22.8	28.27
5	27540	736	QPSK	25	LOW	21.83	28.61
5	27540	736	Q16	1	LOW	22.11	26.92
5	27540	736	Q16	1	MID	22.15	27.51
5	27540	736	Q16	1	HIGH	22.18	27.88
5	27540	736	Q16	12	LOW	22.11	26.96
5	27540	736	Q16	12	MID	22.15	27.5
5	27540	736	Q16	12	HIGH	22.19	27.89
5	27540	736	Q16	25	LOW	21.04	28.88
10	27485	730.5	QPSK	1	LOW	22.95	27.36
10	27485	730.5	QPSK	1	MID	23.01	26.63
10	27485	730.5	QPSK	1	HIGH	22.93	27.48
10	27485	730.5	QPSK	25	LOW	21.83	27.52
10	27485	730.5	QPSK	25	MID	21.82	27.6
10	27485	730.5	QPSK	25	HIGH	21.83	27.58
10	27485	730.5	QPSK	50	LOW	21.8	27.89
10	27485	730.5	Q16	1	LOW	22.04	27
10	27485	730.5	Q16	1	MID	22.02	26.58
10	27485	730.5	Q16	1	HIGH	22.09	27.21
10	27485	730.5	Q16	25	LOW	21.81	27.61
10	27485	730.5	Q16	25	MID	21.82	27.55
10	27485	730.5	Q16	25	HIGH	21.83	27.62
10	27485	730.5	Q16	50	LOW	20.85	27.76
10	27610	743	QPSK	1	LOW	22.82	28.25
10	27610	743	QPSK	1	MID	22.95	27.43
10	27610	743	QPSK	1	HIGH	23.12	27.26
10	27610	743	QPSK	25	LOW	21.87	29.14
10	27610	743	QPSK	25	MID	21.87	29.14
10	27610	743	QPSK	25	HIGH	21.97	28.1
10	27610	743	QPSK	50	LOW	21.98	28.27
10	27610	743	Q16	1	LOW	22.2	27.86
10	27610	743	Q16	1	MID	22.22	27.19
10	27610	743	Q16	1	HIGH	22.29	27.03
10	27610	743	Q16	25	LOW	21.87	28.95
10	27610	743	Q16	25	MID	21.88	29.03

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
10	27610	743	Q16	25	HIGH	21.97	28.12
10	27610	743	Q16	50	LOW	21.03	28.68
10	27540	736	QPSK	1	LOW	22.9	26.54
10	27540	736	QPSK	1	MID	22.82	27.51
10	27540	736	QPSK	1	HIGH	22.8	27.99
10	27540	736	QPSK	25	LOW	21.86	27.92
10	27540	736	QPSK	25	MID	21.85	27.9
10	27540	736	QPSK	25	HIGH	21.91	28.98
10	27540	736	QPSK	50	LOW	21.87	28.59
10	27540	736	Q16	1	LOW	22.35	26.86
10	27540	736	Q16	1	MID	22.6	27.92
10	27540	736	Q16	1	HIGH	22.62	28.46
10	27540	736	Q16	25	LOW	21.83	27.88
10	27540	736	Q16	25	MID	21.83	27.86
10	27540	736	Q16	25	HIGH	21.89	28.93
10	27540	736	Q16	50	LOW	20.93	28.93
15	27510	733	QPSK	1	LOW	22.98	27.3
15	27510	733	QPSK	1	MID	23.03	26.87
15	27510	733	QPSK	1	HIGH	22.93	28.36
15	27510	733	QPSK	36	LOW	21.88	27.56
15	27510	733	QPSK	36	MID	21.89	27.56
15	27510	733	QPSK	36	HIGH	21.86	28.61
15	27510	733	QPSK	75	LOW	21.88	29.05
15	27510	733	Q16	1	LOW	22.04	26.98
15	27510	733	Q16	1	MID	22.05	26.84
15	27510	733	Q16	1	HIGH	22.17	27.68
15	27510	733	Q16	36	LOW	21.88	27.53
15	27510	733	Q16	36	MID	21.88	27.57
15	27510	733	Q16	36	HIGH	21.86	28.64
15	27510	733	Q16	75	LOW	20.88	28.73
15	27585	740.5	QPSK	1	LOW	22.91	27.05
15	27585	740.5	QPSK	1	MID	22.85	27.72
15	27585	740.5	QPSK	1	HIGH	23.14	27.16
15	27585	740.5	QPSK	36	LOW	21.81	28.81
15	27585	740.5	QPSK	36	MID	21.82	28.75
15	27585	740.5	QPSK	36	HIGH	21.96	28.28
15	27585	740.5	QPSK	75	LOW	21.91	28.54

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
15	27585	740.5	Q16	1	LOW	22.43	27.02
15	27585	740.5	Q16	1	MID	22.59	27.98
15	27585	740.5	Q16	1	HIGH	22.63	27.15
15	27585	740.5	Q16	36	LOW	21.81	28.77
15	27585	740.5	Q16	36	MID	21.81	28.76
15	27585	740.5	Q16	36	HIGH	21.95	28.21
15	27585	740.5	Q16	75	LOW	20.96	28.44
15	27540	736	QPSK	1	LOW	22.92	26.51
15	27540	736	QPSK	1	MID	22.8	27.49
15	27540	736	QPSK	1	HIGH	22.93	27.42
15	27540	736	QPSK	36	LOW	21.85	27.74
15	27540	736	QPSK	36	MID	21.85	27.71
15	27540	736	QPSK	36	HIGH	21.89	28.81
15	27540	736	QPSK	75	LOW	21.88	29.02
15	27540	736	Q16	1	LOW	22.35	26.75
15	27540	736	Q16	1	MID	22.58	27.93
15	27540	736	Q16	1	HIGH	22.63	27.8
15	27540	736	Q16	36	LOW	21.85	27.77
15	27540	736	Q16	36	MID	21.84	27.74
15	27540	736	Q16	36	HIGH	21.87	28.77
15	27540	736	Q16	75	LOW	20.89	28.52
20	27535	735.5	QPSK	1	LOW	23.07	27.44
20	27535	735.5	QPSK	1	MID	23.05	27.66
20	27535	735.5	QPSK	1	HIGH	**23.28**	27.38
20	27535	735.5	QPSK	50	LOW	21.85	27.83
20	27535	735.5	QPSK	50	MID	21.85	27.84
20	27535	735.5	QPSK	50	HIGH	22	28.62
20	27535	735.5	QPSK	100	LOW	21.91	28.64
20	27535	735.5	Q16	1	LOW	22.18	27.29
20	27535	735.5	Q16	1	MID	22.24	27.62
20	27535	735.5	Q16	1	HIGH	22.38	27.32
20	27535	735.5	Q16	50	LOW	21.85	27.87
20	27535	735.5	Q16	50	MID	21.84	27.78
20	27535	735.5	Q16	50	HIGH	22	28.59
20	27535	735.5	Q16	100	LOW	20.97	28.67
20	27560	738	QPSK	1	LOW	22.93	26.79
20	27560	738	QPSK	1	MID	22.86	28.22

Report No.: FCC16053699-4

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
20	27560	738	QPSK	1	HIGH	23.19	27.18
20	27560	738	QPSK	50	LOW	21.89	28.21
20	27560	738	QPSK	50	MID	21.86	28.24
20	27560	738	QPSK	50	HIGH	22.02	28.59
20	27560	738	QPSK	100	LOW	21.89	28.24
20	27560	738	Q16	1	LOW	22.32	26.52
20	27560	738	Q16	1	MID	22.53	28.04
20	27560	738	Q16	1	HIGH	**22.66**	27.08
20	27560	738	Q16	50	LOW	21.87	28.27
20	27560	738	Q16	50	MID	21.87	28.26
20	27560	738	Q16	50	HIGH	22.02	28.61
20	27560	738	Q16	100	LOW	20.97	28.79
20	27540	736	QPSK	1	LOW	23	27.01
20	27540	736	QPSK	1	MID	22.9	27.63
20	27540	736	QPSK	1	HIGH	23.21	27.05
20	27540	736	QPSK	50	LOW	21.85	27.9
20	27540	736	QPSK	50	MID	21.85	27.89
20	27540	736	QPSK	50	HIGH	21.98	28.59
20	27540	736	QPSK	100	LOW	21.89	28.46
20	27540	736	Q16	1	LOW	22.24	27.15
20	27540	736	Q16	1	MID	22.31	27.81
20	27540	736	Q16	1	HIGH	22.44	27.21
20	27540	736	Q16	50	LOW	21.84	27.86
20	27540	736	Q16	50	MID	21.84	27.89
20	27540	736	Q16	50	HIGH	22	28.68
20	27540	736	Q16	100	LOW	20.96	29

7 SPURIOUS EMISSION(Conducted and Radiated)

7.1 Measurement Result(Pre-measurement)

BAND 2:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1.4	18607	1850.7	QPSK	6	LOW	Pass
1.4	18607	1850.7	Q16	6	LOW	Pass
1.4	18900	1880	QPSK	6	LOW	Pass
1.4	18900	1880	Q16	6	LOW	Pass
1.4	19193	1909.3	QPSK	6	LOW	Pass
1.4	19193	1909.3	Q16	6	LOW	Pass
3	18615	1851.5	QPSK	15	LOW	Pass
3	18615	1851.5	Q16	15	LOW	Pass
3	18900	1880	QPSK	15	LOW	Pass
3	18900	1880	Q16	15	LOW	Pass
3	19185	1908.5	QPSK	15	LOW	Pass
3	19185	1908.5	Q16	15	LOW	Pass
5	18625	1852.5	QPSK	25	LOW	Pass
5	18625	1852.5	Q16	25	LOW	Pass
5	18900	1880	QPSK	25	LOW	Pass
5	18900	1880	Q16	25	LOW	Pass
5	19175	1907.5	QPSK	25	LOW	Pass
5	19175	1907.5	Q16	25	LOW	Pass
10	18650	1855	QPSK	50	LOW	Pass
10	18650	1855	Q16	50	LOW	Pass
10	18900	1880	QPSK	50	LOW	Pass
10	18900	1880	Q16	50	LOW	Pass
10	19150	1905	QPSK	50	LOW	Pass
10	19150	1905	Q16	50	LOW	Pass
15	18675	1857.5	QPSK	75	LOW	Pass
15	18675	1857.5	Q16	75	LOW	Pass
15	18900	1880	QPSK	75	LOW	Pass
15	18900	1880	Q16	75	LOW	Pass
15	19125	1902.5	QPSK	75	LOW	Pass
15	19125	1902.5	Q16	75	LOW	Pass
20	18700	1860	QPSK	100	LOW	Pass
20	18700	1860	Q16	100	LOW	Pass
20	18900	1880	QPSK	100	LOW	Pass
20	18900	1880	Q16	100	LOW	Pass
20	19100	1900	QPSK	100	LOW	Pass
20	19100	1900	Q16	100	LOW	Pass

BAND 4:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1.4	19957	1710.7	QPSK	6	LOW	Pass
1.4	19957	1710.7	Q16	6	LOW	Pass
1.4	20393	1754.3	QPSK	6	LOW	Pass
1.4	20393	1754.3	Q16	6	LOW	Pass
1.4	20175	1732.5	QPSK	6	LOW	Pass
1.4	20175	1732.5	Q16	6	LOW	Pass
3	19965	1711.5	QPSK	15	LOW	Pass
3	19965	1711.5	Q16	15	LOW	Pass
3	20385	1753.5	QPSK	15	LOW	Pass
3	20385	1753.5	Q16	15	LOW	Pass
3	20175	1732.5	QPSK	15	LOW	Pass
3	20175	1732.5	Q16	15	LOW	Pass
5	19975	1712.5	QPSK	25	LOW	Pass
5	19975	1712.5	Q16	25	LOW	Pass
5	20375	1752.5	QPSK	25	LOW	Pass
5	20375	1752.5	Q16	25	LOW	Pass
5	20175	1732.5	QPSK	25	LOW	Pass
5	20175	1732.5	Q16	25	LOW	Pass
10	20000	1715	QPSK	50	LOW	Pass
10	20000	1715	Q16	50	LOW	Pass
10	20350	1750	QPSK	50	LOW	Pass
10	20350	1750	Q16	50	LOW	Pass
10	20175	1732.5	QPSK	50	LOW	Pass
10	20175	1732.5	Q16	50	LOW	Pass
15	20025	1717.5	QPSK	75	LOW	Pass
15	20025	1717.5	Q16	75	LOW	Pass
15	20325	1747.5	QPSK	75	LOW	Pass
15	20325	1747.5	Q16	75	LOW	Pass
15	20175	1732.5	QPSK	75	LOW	Pass
15	20175	1732.5	Q16	75	LOW	Pass
20	20050	1720	QPSK	100	LOW	Pass
20	20050	1720	Q16	100	LOW	Pass
20	20300	1745	QPSK	100	LOW	Pass
20	20300	1745	Q16	100	LOW	Pass
20	20175	1732.5	QPSK	100	LOW	Pass
20	20175	1732.5	Q16	100	LOW	Pass

BAND 7:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
5	20775	2502.5	QPSK	25	LOW	Pass
5	20775	2502.5	Q16	25	LOW	Pass
5	21425	2567.5	QPSK	25	LOW	Pass
5	21425	2567.5	Q16	25	LOW	Pass
5	21100	2535	QPSK	25	LOW	Pass
5	21100	2535	QPSK	25	LOW	Pass
10	20800	2505	QPSK	50	LOW	Pass
10	20800	2505	Q16	50	LOW	Pass
10	21400	2565	QPSK	50	LOW	Pass
10	21400	2565	Q16	50	LOW	Pass
10	21100	2535	QPSK	50	LOW	Pass
10	21100	2535	Q16	50	LOW	Pass
15	20825	2507.5	QPSK	75	LOW	Pass
15	20825	2507.5	Q16	75	LOW	Pass
15	21375	2562.5	QPSK	75	LOW	Pass
15	21375	2562.5	Q16	75	LOW	Pass
15	21100	2535	QPSK	75	LOW	Pass
15	21100	2535	Q16	75	LOW	Pass
20	20850	2510	QPSK	100	LOW	Pass
20	20850	2510	Q16	100	LOW	Pass
20	21350	2560	QPSK	100	LOW	Pass
20	21350	2560	Q16	100	LOW	Pass
20	21100	2535	QPSK	100	LOW	Pass
20	21100	2535	Q16	100	LOW	Pass

BAND 20:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
5	24175	834.5	QPSK	25	LOW	Pass
5	24175	834.5	Q16	25	LOW	Pass
5	24295	846.5	QPSK	25	LOW	Pass
5	24295	846.5	Q16	25	LOW	Pass
5	24230	840	QPSK	25	LOW	Pass
5	24230	840	QPSK	25	LOW	Pass
10	24200	837	QPSK	50	LOW	Pass
10	24200	837	Q16	50	LOW	Pass
10	24270	844	QPSK	50	LOW	Pass
10	24270	844	Q16	50	LOW	Pass
10	24230	840	QPSK	50	LOW	Pass
10	24230	840	Q16	50	LOW	Pass
15	24225	839.5	QPSK	75	LOW	Pass
15	24225	839.5	Q16	75	LOW	Pass
15	24245	841.5	QPSK	75	LOW	Pass
15	24245	841.5	Q16	75	LOW	Pass
15	24230	840	QPSK	75	LOW	Pass
15	24230	840	Q16	75	LOW	Pass

BAND 28:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
3	27450	727	QPSK	15	LOW	Pass
3	27450	727	Q16	15	LOW	Pass
3	27645	746.5	QPSK	15	LOW	Pass
3	27645	746.5	Q16	15	LOW	Pass
3	27540	736	QPSK	15	LOW	Pass
3	27540	736	Q16	15	LOW	Pass
5	27460	728	QPSK	25	LOW	Pass
5	27460	728	Q16	25	LOW	Pass
5	27635	745.5	QPSK	25	LOW	Pass
5	27635	745.5	Q16	25	LOW	Pass
5	27540	736	QPSK	25	LOW	Pass
5	27540	736	Q16	25	LOW	Pass
10	27485	730.5	QPSK	50	LOW	Pass
10	27485	730.5	Q16	50	LOW	Pass
10	27610	743	QPSK	50	LOW	Pass
10	27610	743	Q16	50	LOW	Pass
10	27540	736	QPSK	50	LOW	Pass
10	27540	736	Q16	50	LOW	Pass
15	27510	733	QPSK	75	LOW	Pass
15	27510	733	Q16	75	LOW	Pass
15	27585	740.5	QPSK	75	LOW	Pass
15	27585	740.5	Q16	75	LOW	Pass
15	27540	736	QPSK	75	LOW	Pass
15	27540	736	Q16	75	LOW	Pass
20	27535	735.5	QPSK	100	LOW	Pass
20	27535	735.5	Q16	100	LOW	Pass
20	27560	738	QPSK	100	LOW	Pass
20	27560	738	Q16	100	LOW	Pass
20	27540	736	QPSK	100	LOW	Pass
20	27540	736	Q16	100	LOW	Pass

7.2 Test Plot(s)

7.2.1 Conducted method

LC: low Channel
MC: Middle Channel

HC: High Channel

GSM850@conducted spurious Emission

HC


```
                                    * RBW  1 MHz         Marker 1 [T1 ]
                                    * VBW  3 MHz                 31.63 dBm
Ref    46 dBm          * Att    30 dB    SWT  115 ms      830.080128205 MHz
```

```
 40
1 RK    30
Max
        20
        10
         0
FCC    -10    D1 -13 dBm                                              3DB
       -20
       -30
       -40
       -50
```

```
Center  10.015 GHz              1.997 GHz/              Span  19.97 GHz
```

Date: 21.JUN.2016 17:35:50

LC


```
                                    * RBW  1 MHz         Marker 1 [T1 ]
                                    * VBW  3 MHz                 31.84 dBm
Ref    46 dBm          * Att    30 dB    SWT  115 ms      798.076923077 MHz
```

```
 40
1 RK    30
VIEW
        20
        10
         0
FCC    -10    D1 -13 dBm                                              3DB
       -20
       -30
       -40
       -50
```

```
Center  10.015 GHz              1.997 GHz/              Span  19.97 GHz
```

Date: 21.JUN.2016 17:33:00

Report No.: FCC16053699-4
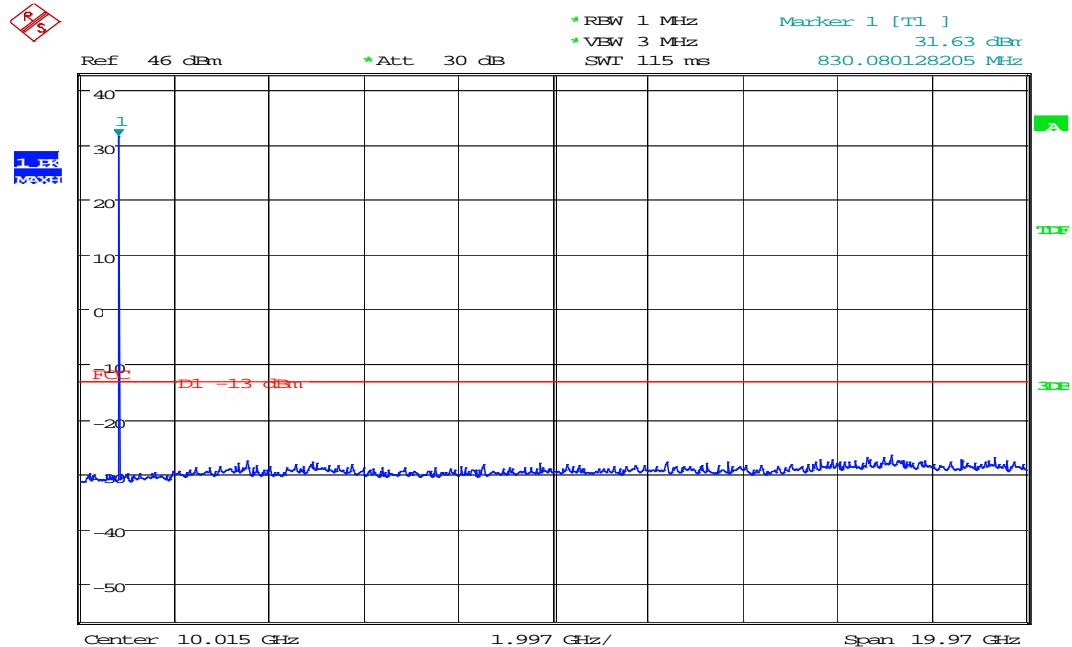
MC
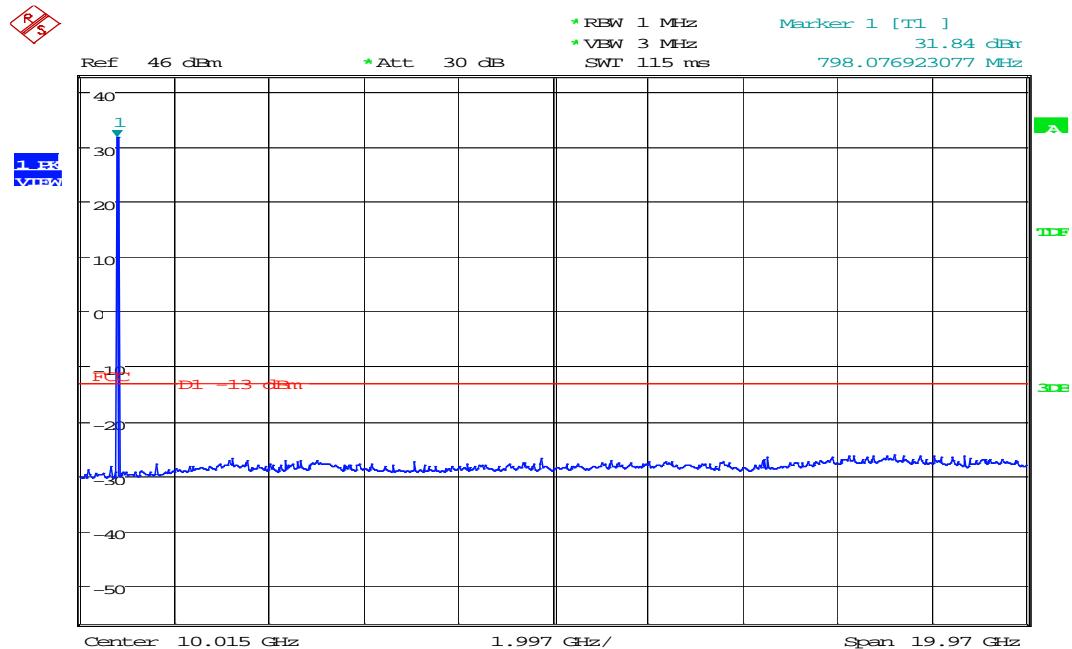
Date: 21.JUN.2016 17:35:01
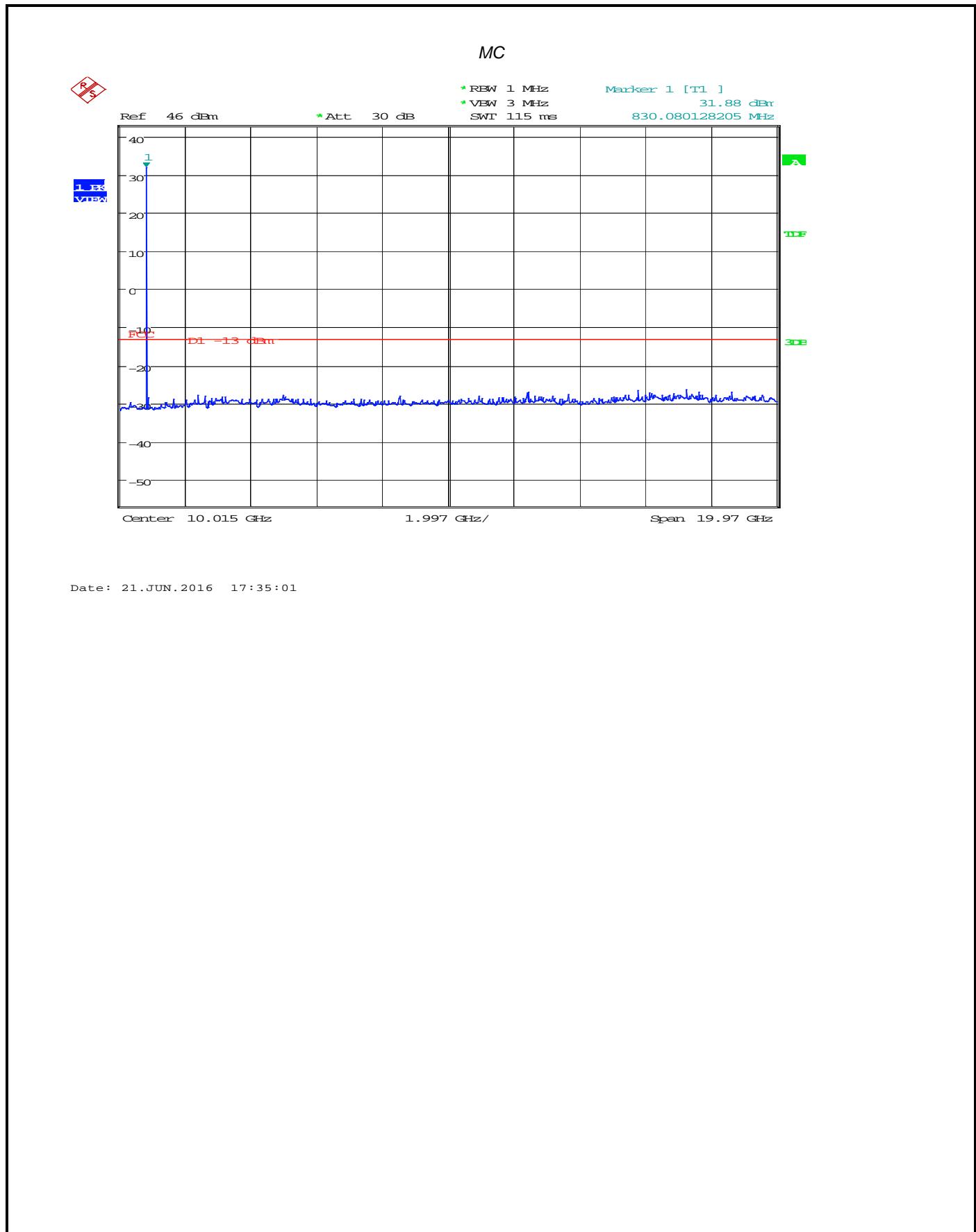
PCS1900@Conducted Spurious Emission

HC

RBW 3 MHz   Marker 1 [T1]
VBW 10 MHz   27.36 dBm
Ref   46 dBm   *Att   30 dB   SWT 115 ms   1.886185897 GHz

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.JUN.2016 18:11:39

LC

RBW 3 MHz   Marker 1 [T1]
VBW 10 MHz   26.60 dBm
Ref   46 dBm   *Att   30 dB   SWT 115 ms   1.822179487 GHz

D1 -13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz

Date: 21.JUN.2016 18:07:42

Report No.: FCC16053699-4

MC

RBW 3 MHz   Marker 1 [T1]
VBW 10 MHz   27.05 dBm
Ref 46 dBm   *Att 30 dB   SWT 115 ms   1.854182692 GHz

Start 30 MHz   1.997 GHz/   Stop 20 GHz
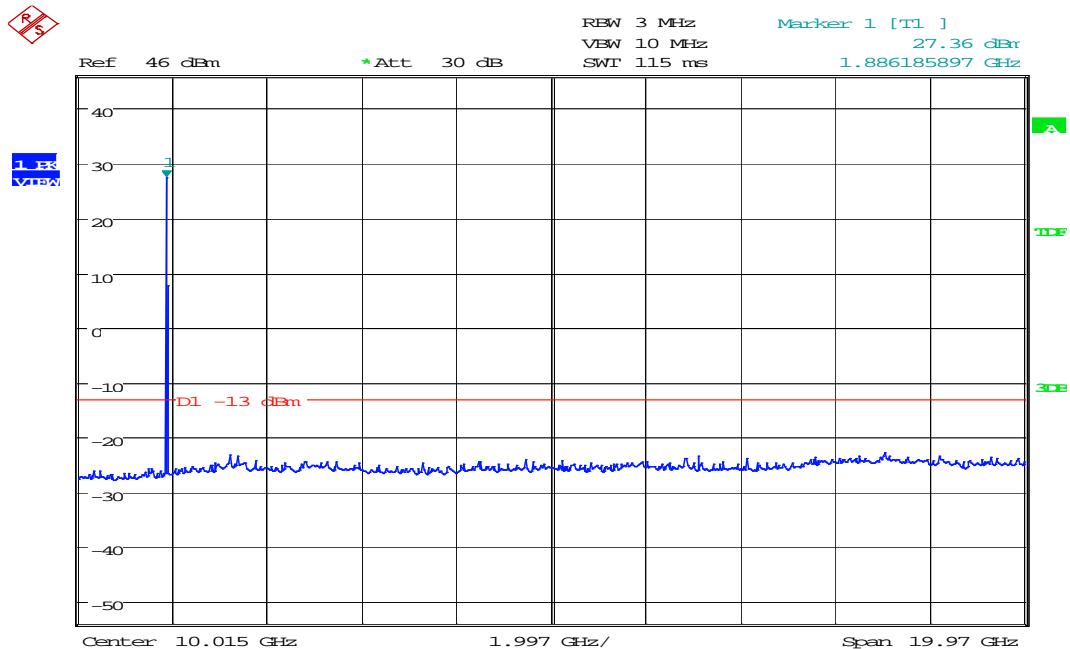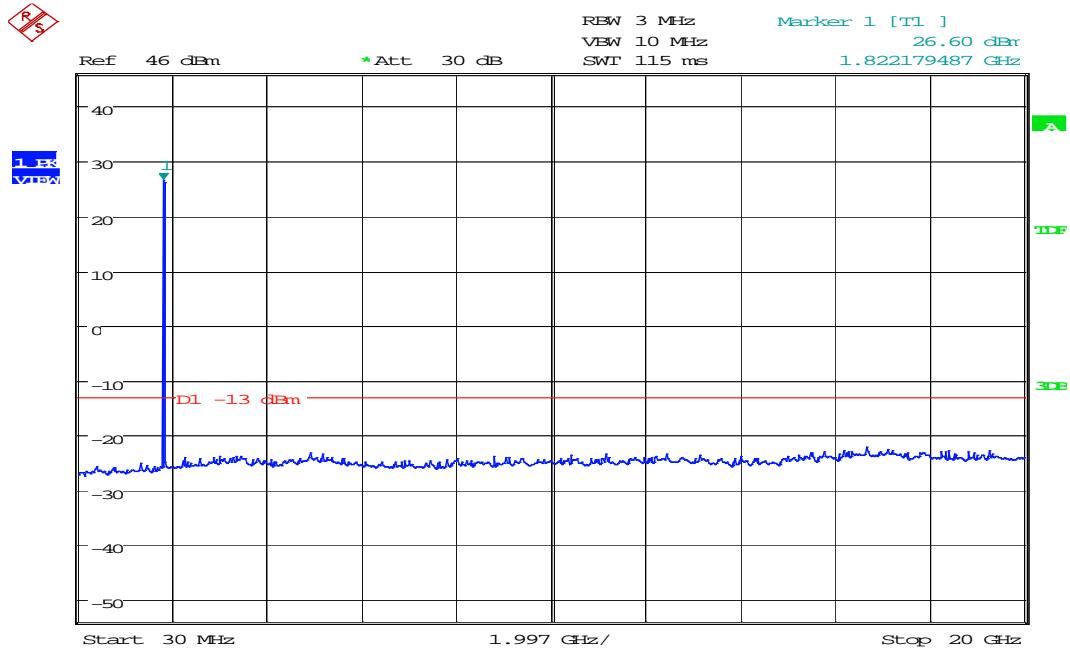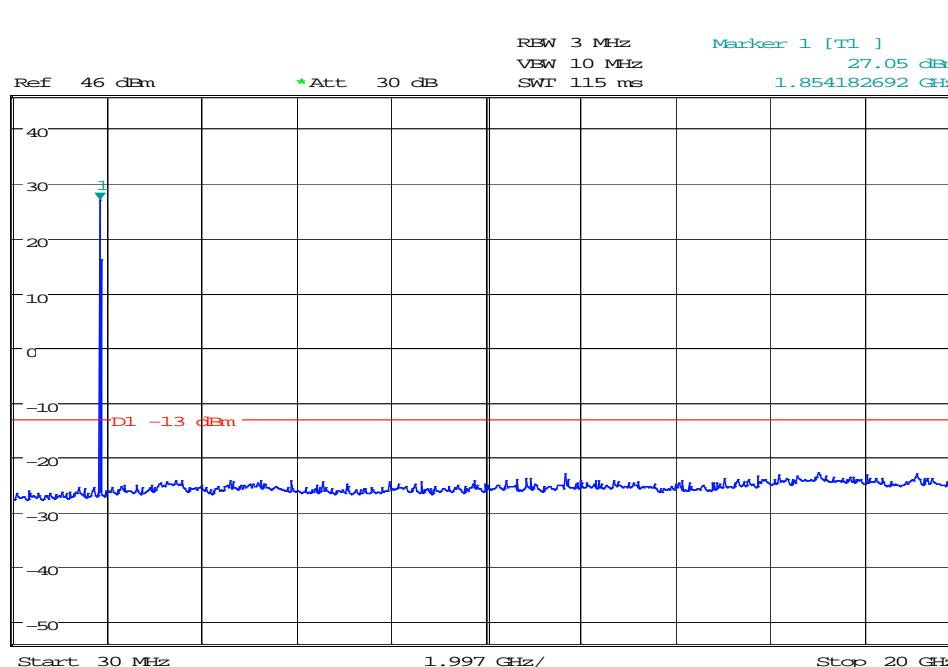
Date: 21.JUN.2016 18:11:09

Report No.: FCC16053699-4

UTRA BAND 2@Conducted Spurious Emission

HC

	★ RBW 1 MHz	Marker 1 [T1]
	▼ VBW 3 MHz	22.63 dBm
Ref 36 dBm	★ Att 30 dB SWT 155 ms	1.868589744 GHz

D1 −13 dBm

Center 13.25 GHz   2.65 GHz/   Span 26.5 GHz

Date: 22.JUN.2016 17:49:52

LC

	★ RBW 1 MHz	Marker 1 [T1]
	▼ VBW 3 MHz	22.52 dBm
Ref 36 dBm	★ Att 30 dB SWT 155 ms	1.826121795 GHz

D1 −13 dBm

Center 13.25 GHz   2.65 GHz/   Span 26.5 GHz

Date: 22.JUN.2016 17:49:16

Report No.: FCC16053699-4

MC

Ref   36 dBm   *Att   30 dB   RBW 1 MHz   Marker 1 [T1]
                                       VBW 3 MHz   22.27 dBm
                                       SWT 155 ms   1.868589744 GHz

D1 -13 dBm

Center 13.25 GHz   2.65 GHz/   Span 26.5 GHz

Date: 22.JUN.2016   17:48:52

Report No.: FCC16053699-4

UTRA BAND 4@Conducted Spurious Emission

HC


```
                                    RBW  3 MHz        Marker 1 [T1 ]
                                    VBW  10 MHz                22.59 dBm
Ref   30 dBm           *Att   30 dB  SWT  155 ms       1.741185897 GHz
```

Date: 22.JUN.2016 18:09:49

LC


```
                                    RBW  3 MHz        Marker 1 [T1 ]
                                    VBW  10 MHz                22.49 dBm
Ref   30 dBm           *Att   30 dB  SWT  155 ms       1.698717949 GHz
```

Date: 22.JUN.2016 18:09:28

Report No.: FCC16053699-4

MC

		RBW 3 MHz	Marker 1 [T1]
		VBW 10 MHz	22.18 dBm
Ref 30 dBm	*Att 30 dB	SWT 155 ms	1.698717949 GHz

D1 −13 dBm

Center 13.25 GHz   2.65 GHz/   Span 26.5 GHz

Date: 22.JUN.2016 18:09:07

Report No.: FCC16053699-4

UTRA BAND 5@Conducted Spurious Emission

HC


```
                                         ▸ RBW 1 MHz        Marker 1 [T1 ]
                                         ▾ VBW 3 MHz                    22.21 dBm
Ref   36.5 dBm           ▸ Att  30 dB    SWT 115 ms         830.080128205 MHz
```

Date: 22.JUN.2016 17:26:14

LC


```
                                         ▸ RBW 1 MHz        Marker 1 [T1 ]
                                         ▾ VBW 3 MHz                    22.49 dBm
Ref   36.5 dBm           ▸ Att  30 dB    SWT 115 ms         830.080128205 MHz
```

Date: 22.JUN.2016 17:21:57

Report No.: FCC16053699-4
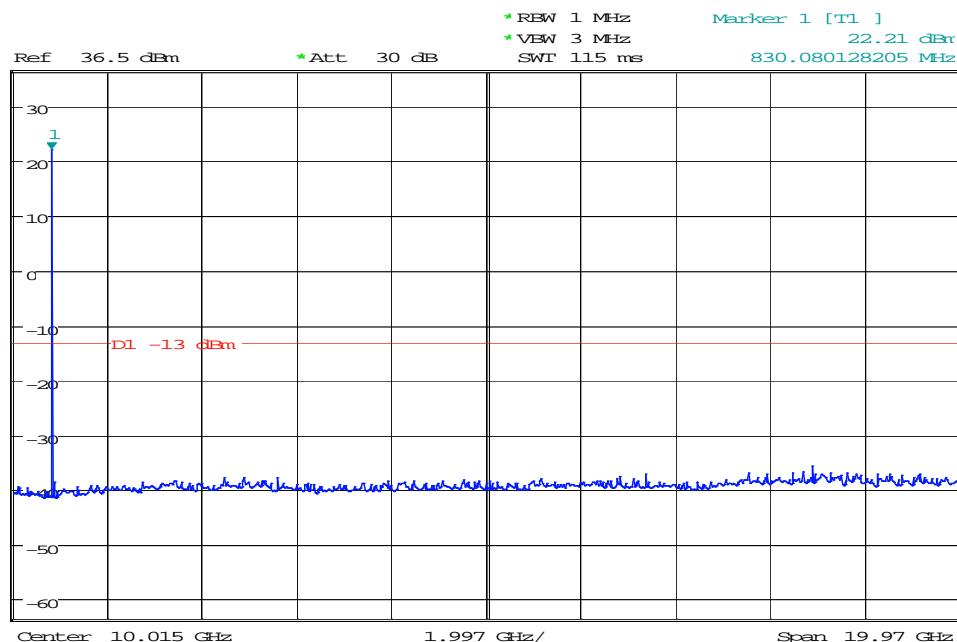
MC

Date: 22.JUN.2016 17:25:00

Report No.: FCC16053699-4
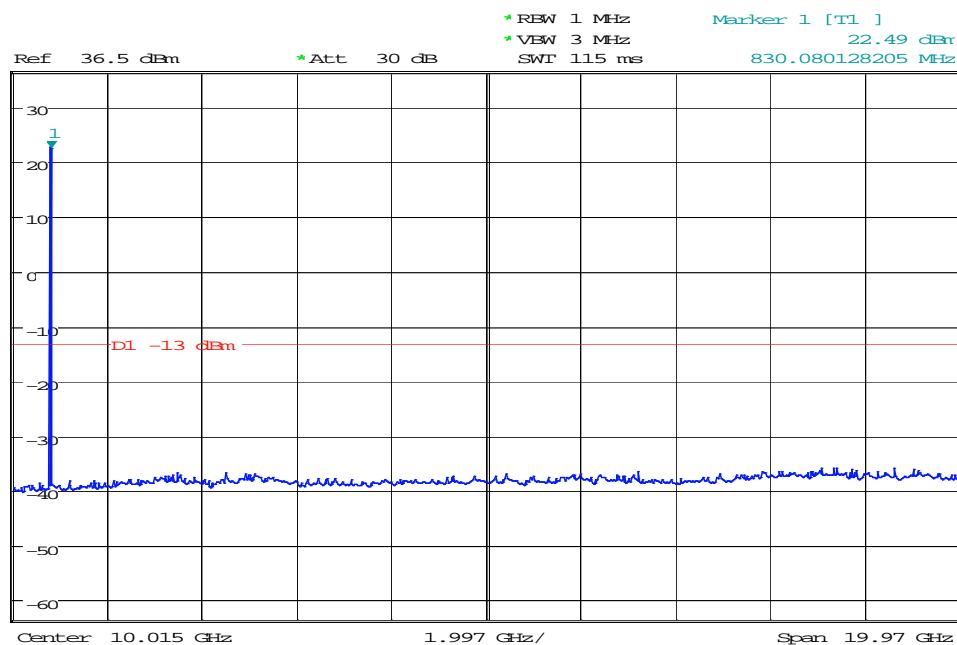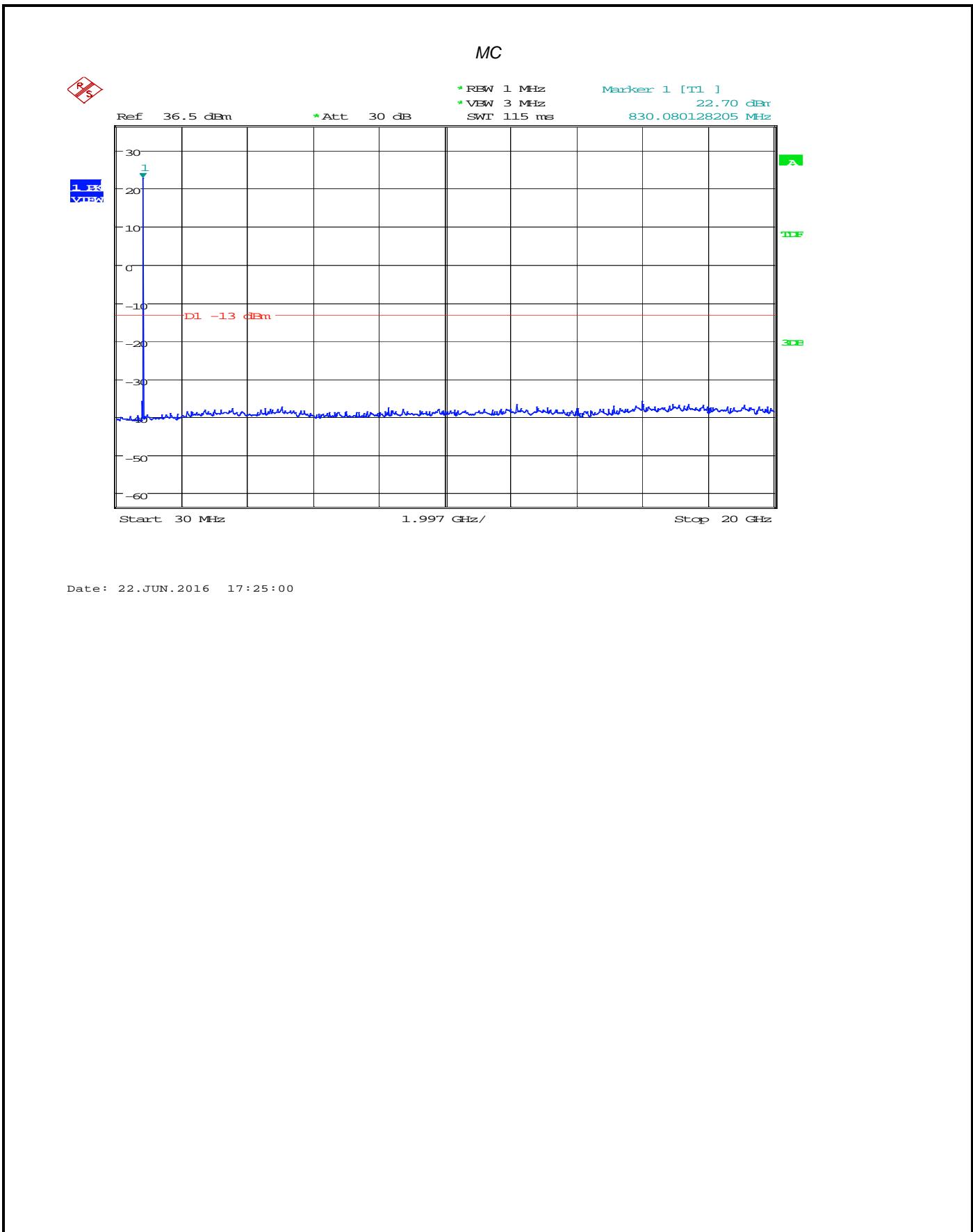
BAND 2@Conducted Spurious Emission

BW1.4MHz-1850.7MHz,QPSK-6RB_LOW@Pass


```
                                        *RBW 1 MHz      Marker 3 [T1 ]
                                        *VBW 3 MHz                24.13 dBm
Ref    30 dBm           *Att    30 dB    SWT 115 ms        1.854182692 GHz
                                                        Marker 1 [T1 ]
                                                                 24.13 dBm
                                                          1.854182692 GHz
                                                        Marker 2 [T1 ]
                                                                 24.13 dBm
                                                          1.854182692 GHz

         D1 -13 dBm

Start  30 MHz              1.997 GHz/              Stop  20 GHz
```
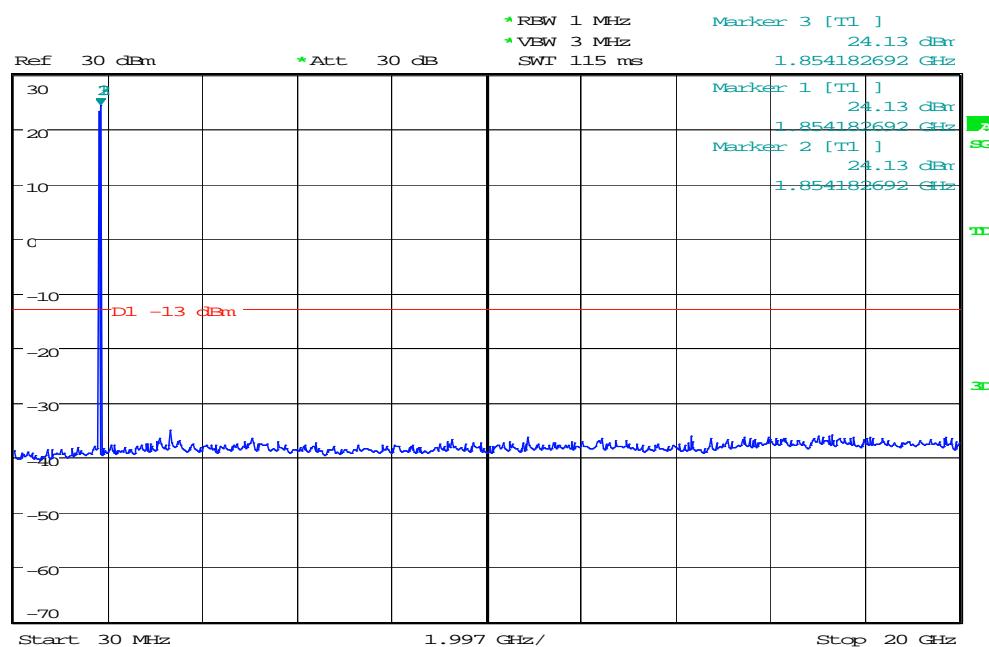
Date: 6.JUN.2016 16:35:21

BW1.4MHz-1850.7MHz,Q16-6RB_LOW@Pass


```
                                        *RBW 1 MHz      Marker 3 [T1 ]
                                        *VBW 3 MHz                23.09 dBm
Ref    30 dBm           *Att    30 dB    SWT 115 ms        1.854182692 GHz
                                                        Marker 1 [T1 ]
                                                                 23.09 dBm
                                                          1.854182692 GHz
                                                        Marker 2 [T1 ]
                                                                 23.09 dBm
                                                          1.854182692 GHz

         D1 -13 dBm

Start  30 MHz              1.997 GHz/              Stop  20 GHz
```
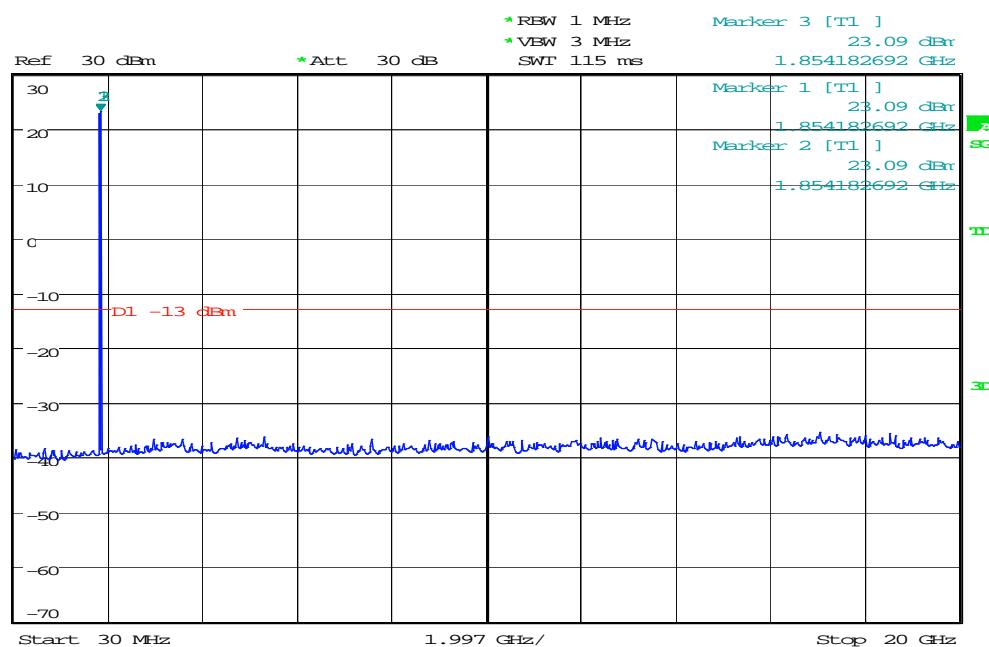
Date: 6.JUN.2016 16:36:53

Report No.: FCC16053699-4

BW1.4MHz-1880MHz,QPSK-6RB_LOW@Pass

```
                                          * RBW  1 MHz      Marker 3 [T1 ]
                                          * VBW  3 MHz                23.61 dBm
Ref   30 dBm              * Att  30 dB      SWT 115 ms        1.854182692 GHz
                                                           Marker 1 [T1 ]
 30                                                                  23.61 dBm
                                                            1.854182692 GHz
 20                                                        Marker 2 [T1 ]
                                                                    23.61 dBm
 10                                                         1.854182692 GHz

  0

-10     D1 -13 dBm

-20

-30

-40

-50

-60

-70
Start  30 MHz                   1.997 GHz/              Stop  20 GHz
```
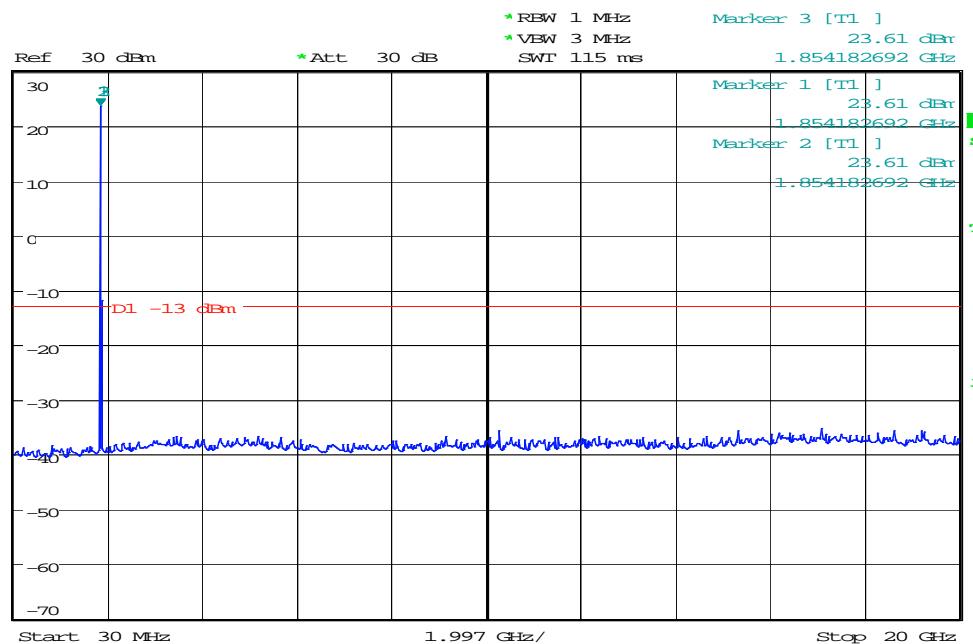
Date: 6.JUN.2016 16:37:49

BW1.4MHz-1880MHz,Q16-6RB_LOW@Pass

```
                                          * RBW  1 MHz      Marker 3 [T1 ]
                                          * VBW  3 MHz                23.90 dBm
Ref   30 dBm              * Att  30 dB      SWT 115 ms        1.854182692 GHz
                                                           Marker 1 [T1 ]
 30                                                                  23.90 dBm
                                                            1.854182692 GHz
 20                                                        Marker 2 [T1 ]
                                                                    23.90 dBm
 10                                                         1.854182692 GHz

  0

-10     D1 -13 dBm

-20

-30

-40

-50

-60

-70
Start  30 MHz                   1.997 GHz/              Stop  20 GHz
```
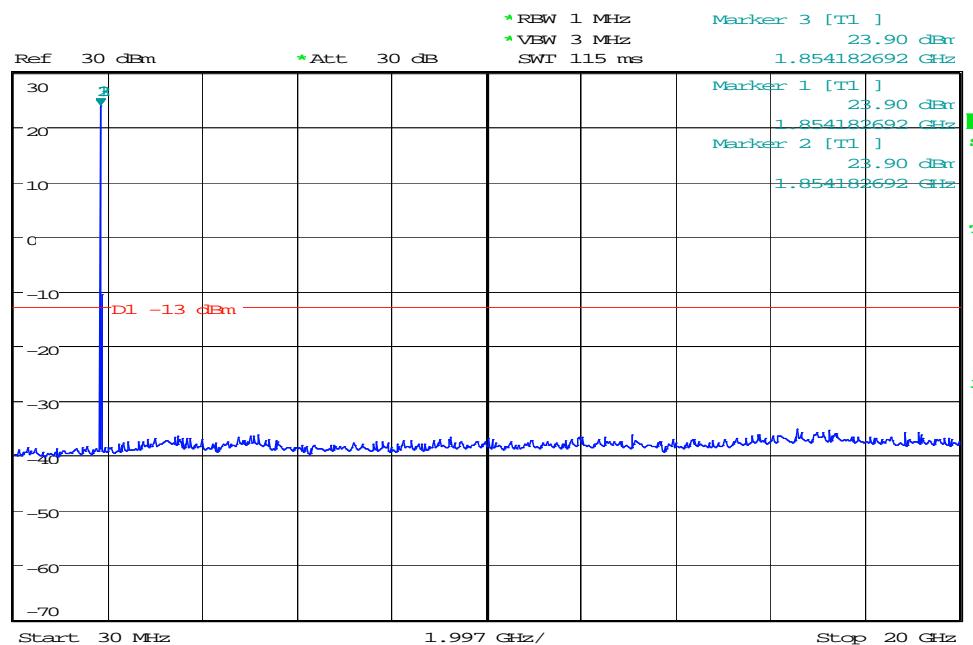
Date: 6.JUN.2016 16:38:33

Report No.: FCC16053699-4

BW1.4MHz-1909.3MHz,QPSK-6RB_LOW@Pass


```
                                        * RBW  1 MHz      Marker 3 [T1 ]
                                        * VBW  3 MHz                  23.82 dBm
Ref   30 dBm           * Att  30 dB      SWT 115 ms        1.886185897 GHz
                                                         Marker 1 [T1 ]
                                                                     23.82 dBm
                                                          1.886185897 GHz
                                                         Marker 2 [T1 ]
                                                                     23.82 dBm
                                                          1.886185897 GHz
D1 -13 dBm
Start  30 MHz              1.997 GHz/              Stop  20 GHz
```
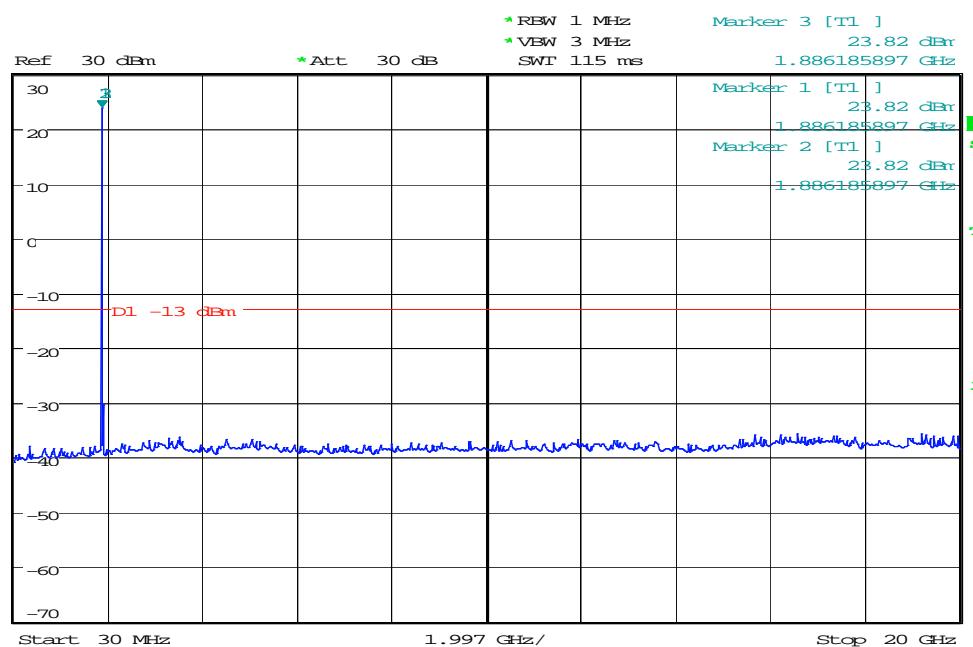
Date: 6.JUN.2016 16:40:15

BW1.4MHz-1909.3MHz,Q16-6RB_LOW@Pass


```
                                        * RBW  1 MHz      Marker 3 [T1 ]
                                        * VBW  3 MHz                  24.04 dBm
Ref   30 dBm           * Att  30 dB      SWT 115 ms        1.886185897 GHz
                                                         Marker 1 [T1 ]
                                                                     24.04 dBm
                                                          1.886185897 GHz
                                                         Marker 2 [T1 ]
                                                                     24.04 dBm
                                                          1.886185897 GHz
D1 -13 dBm
Start  30 MHz              1.997 GHz/              Stop  20 GHz
```
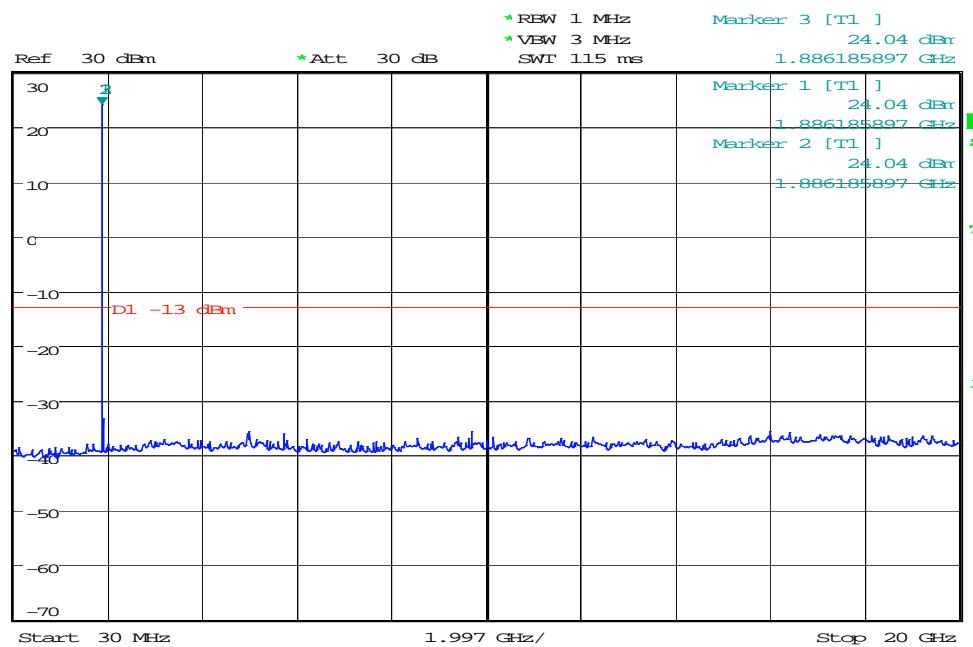
Date: 6.JUN.2016 16:42:12

Report No.: FCC16053699-4

BW3MHz-1851.5MHz,QPSK-15RB_LOW@Pass

```
                                          *RBW 1 MHz        Marker 3 [T1 ]
                                          *VBW 3 MHz                21.97 dBm
 Ref    30 dBm              *Att   30 dB   SWT 115 ms        1.854182692 GHz
                                                           Marker 1 [T1 ]
 30                                                                21.97 dBm
                                                           1.854182692 GHz
 20                                                        Marker 2 [T1 ]
                                                                   21.97 dBm
 10                                                        1.854182692 GHz

  0

-10     D1 -13 dBm

-20

-30

-40

-50

-60

-70
 Start  30 MHz                    1.997 GHz/              Stop  20 GHz
```
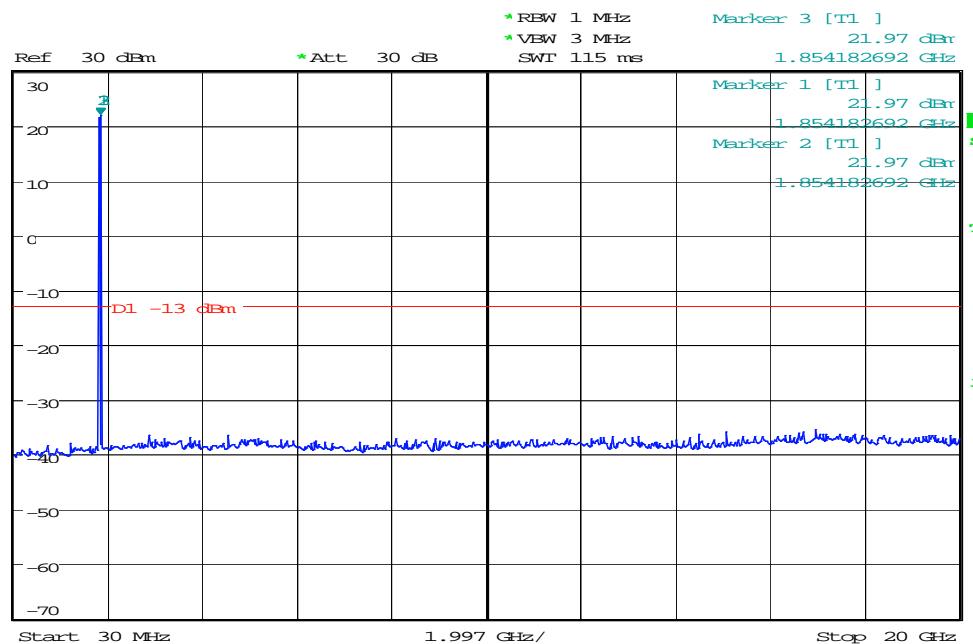
Date: 6.JUN.2016 16:46:36

BW3MHz-1851.5MHz,Q16-15RB_LOW@Pass

```
                                          *RBW 1 MHz        Marker 3 [T1 ]
                                          *VBW 3 MHz                22.38 dBm
 Ref    30 dBm              *Att   30 dB   SWT 115 ms        1.854182692 GHz
                                                           Marker 1 [T1 ]
 30                                                                22.38 dBm
                                                           1.854182692 GHz
 20                                                        Marker 2 [T1 ]
                                                                   22.38 dBm
 10                                                        1.854182692 GHz

  0

-10     D1 -13 dBm

-20

-30

-40

-50

-60

-70
 Start  30 MHz                    1.997 GHz/              Stop  20 GHz
```
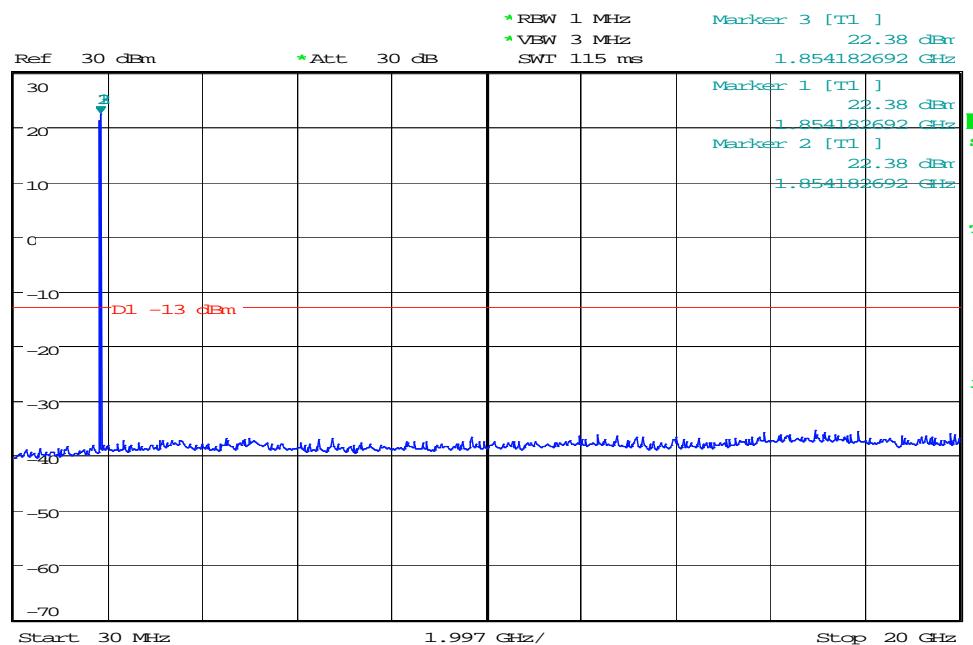
Date: 6.JUN.2016 16:47:50

Report No.: FCC16053699-4

BW3MHz-1880MHz,QPSK-15RB_LOW @Pass

	★RBW 1 MHz	Marker 3 [T1]
	★VBW 3 MHz	21.70 dBm
Ref 30 dBm	★Att 30 dB SWT 115 ms	1.854182692 GHz

Marker 1 [T1]
21.70 dBm
1.854182692 GHz
Marker 2 [T1]
21.70 dBm
1.854182692 GHz

A
SGL
TDF
3DB

1 RM
Max

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
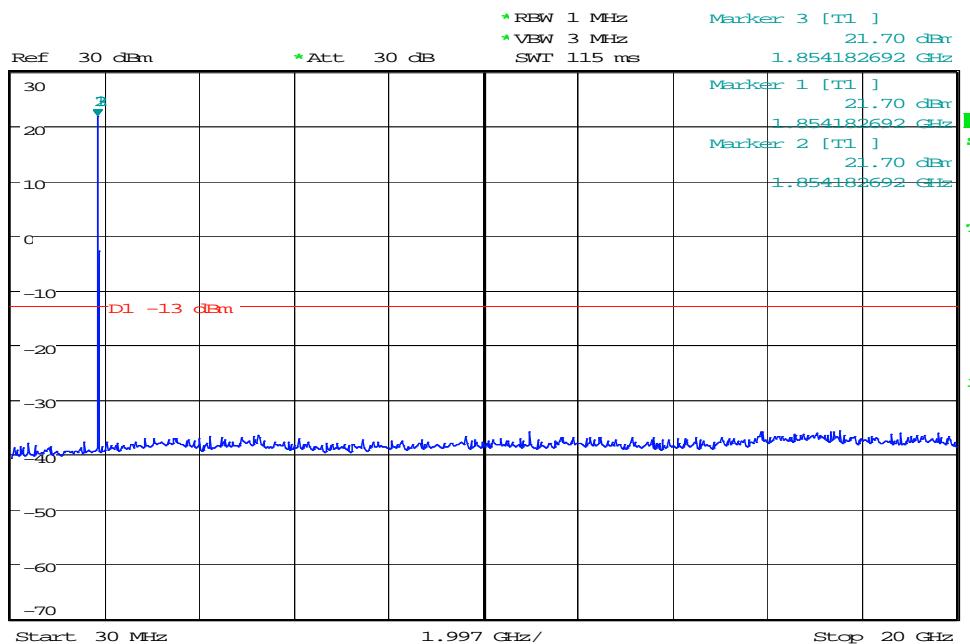
Date: 6.JUN.2016 16:48:33

BW3MHz-1880MHz,Q16-15RB_LOW @Pass

	★RBW 1 MHz	Marker 3 [T1]
	★VBW 3 MHz	22.05 dBm
Ref 30 dBm	★Att 30 dB SWT 115 ms	1.854182692 GHz

Marker 1 [T1]
22.05 dBm
1.854182692 GHz
Marker 2 [T1]
22.05 dBm
1.854182692 GHz

A
SGL
TDF
3DB

1 RM
Max

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
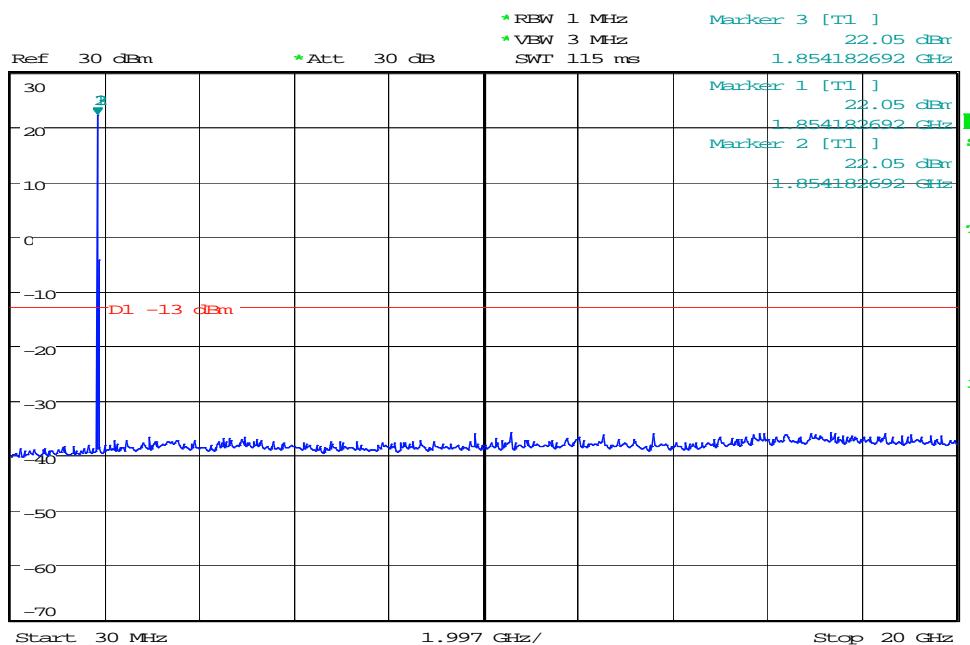
Date: 6.JUN.2016 16:49:09

Report No.: FCC16053699-4

BW3MHz-1908.5MHz,QPSK-15RB_LOW@Pass
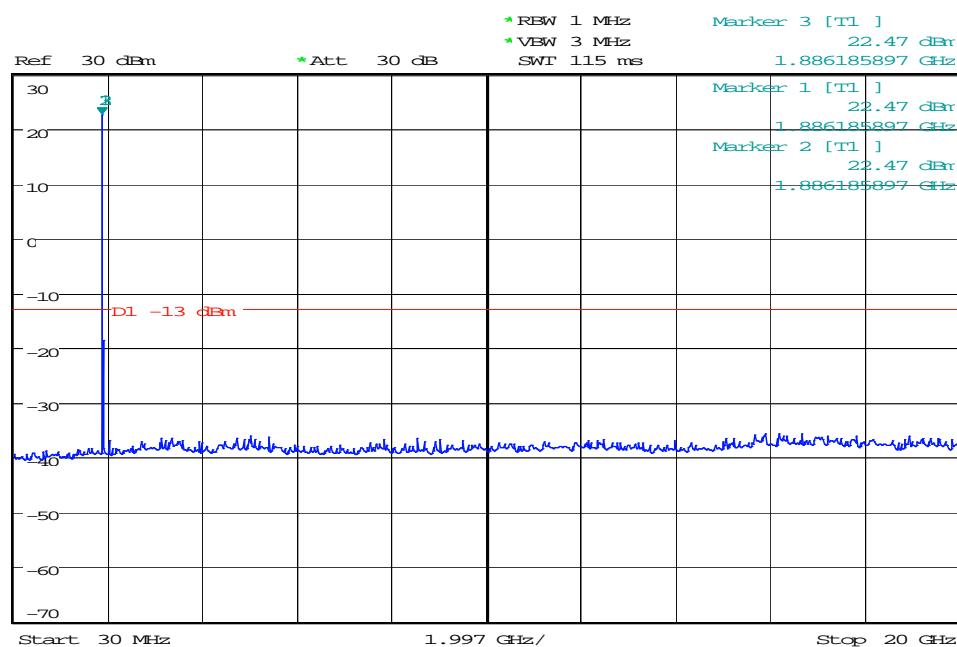
Date: 6.JUN.2016 16:50:31

BW3MHz-1908.5MHz,Q16-15RB_LOW@Pass
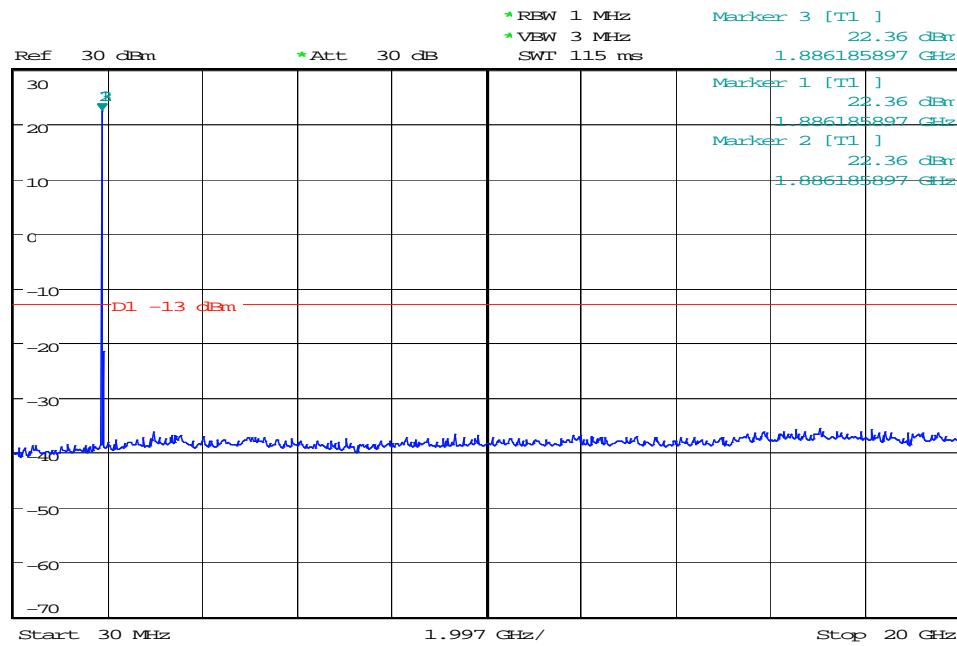
Date: 6.JUN.2016 16:52:04

Report No.: FCC16053699-4

BW5MHz-1852.5MHz,QPSK-25RB_LOW@Pass

⚹RBW 1 MHz	Marker 3 [T1]
⚹VBW 3 MHz	20.66 dBm
Ref 30 dBm ⚹Att 30 dB SWT 115 ms	1.854182692 GHz

Marker 1 [T1]
20.66 dBm
1.854182692 GHz
Marker 2 [T1]
20.66 dBm
1.854182692 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
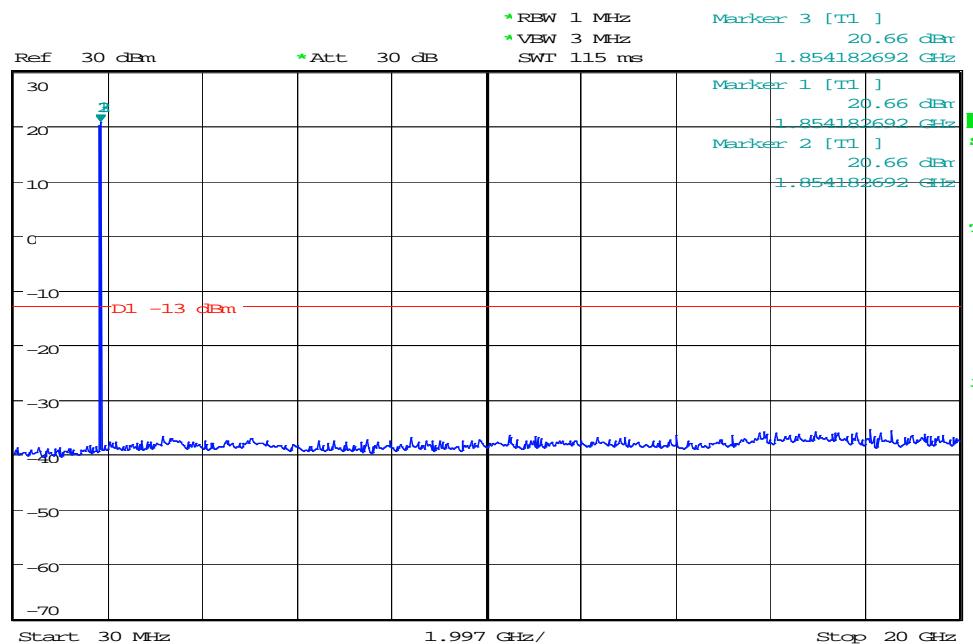
Date: 6.JUN.2016 17:00:08

BW5MHz-1852.5MHz,Q16-25RB_LOW@Pass

⚹RBW 1 MHz	Marker 3 [T1]
⚹VBW 3 MHz	21.38 dBm
Ref 30 dBm ⚹Att 30 dB SWT 115 ms	1.854182692 GHz

Marker 1 [T1]
21.38 dBm
1.854182692 GHz
Marker 2 [T1]
21.38 dBm
1.854182692 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
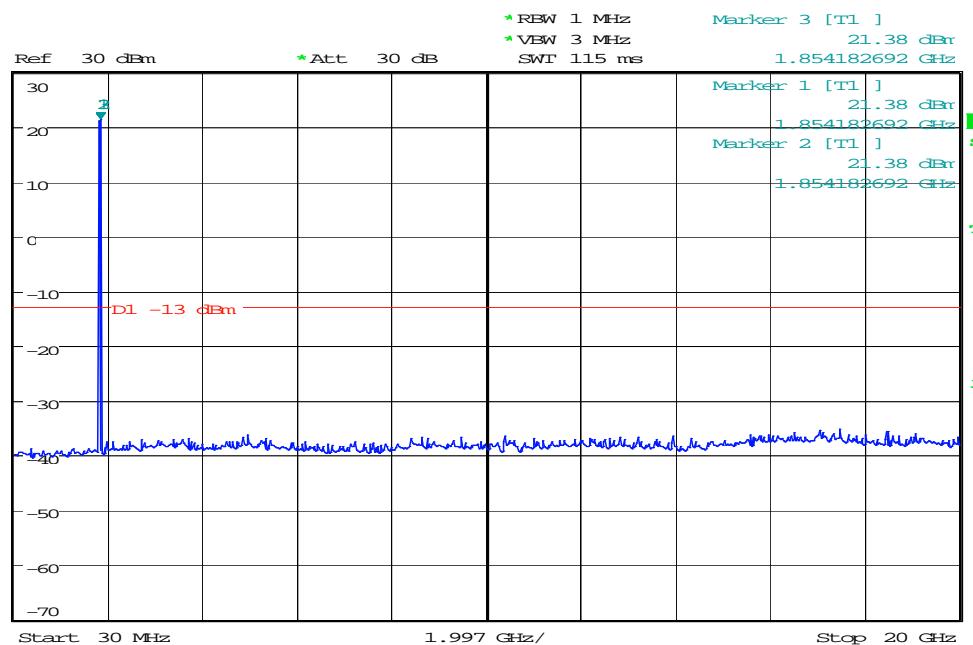
Date: 6.JUN.2016 17:01:34

Report No.: FCC16053699-4

BW5MHz-1880MHz,QPSK-25RB_LOW @Pass


```
                                        * RBW 1 MHz        Marker 3 [T1 ]
                                        * VBW 3 MHz                 21.01 dBm
Ref    30 dBm          * Att  30 dB      SWT 115 ms         1.854182692 GHz
                                                     Marker 1 [T1 ]
                                                              21.01 dBm
                                                      1.854182692 GHz
                                                     Marker 2 [T1 ]
                                                              21.01 dBm
                                                      1.854182692 GHz

 D1 -13 dBm

Start  30 MHz                    1.997 GHz/                  Stop  20 GHz
```
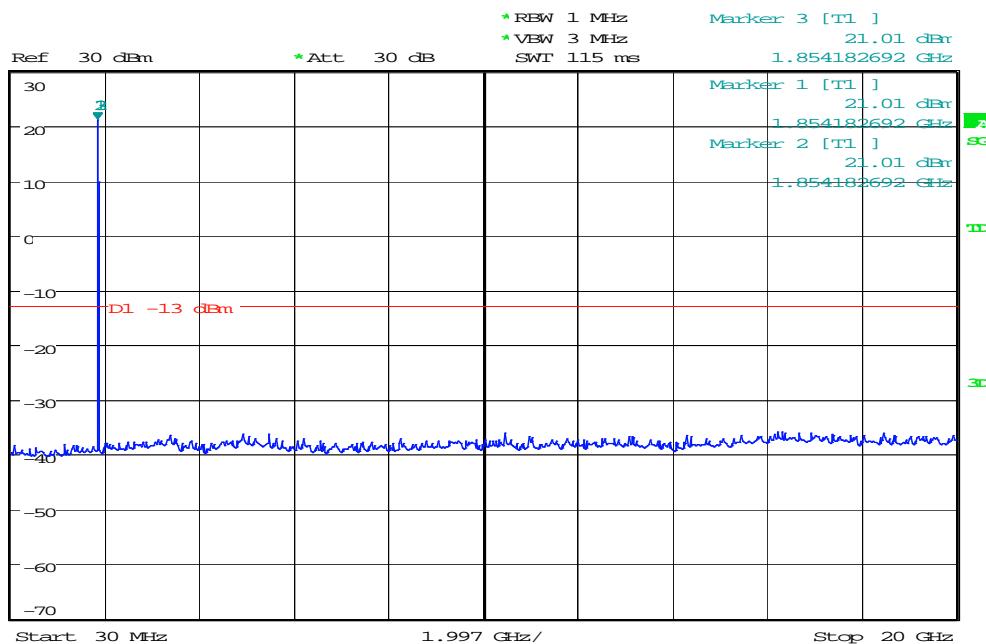
Date: 6.JUN.2016 17:02:20

BW5MHz-1880MHz,Q16-25RB_LOW @Pass


```
                                        * RBW 1 MHz        Marker 3 [T1 ]
                                        * VBW 3 MHz                 20.34 dBm
Ref    30 dBm          * Att  30 dB      SWT 115 ms         1.854182692 GHz
                                                     Marker 1 [T1 ]
                                                              20.34 dBm
                                                      1.854182692 GHz
                                                     Marker 2 [T1 ]
                                                              20.34 dBm
                                                      1.854182692 GHz

 D1 -13 dBm

Start  30 MHz                    1.997 GHz/                  Stop  20 GHz
```
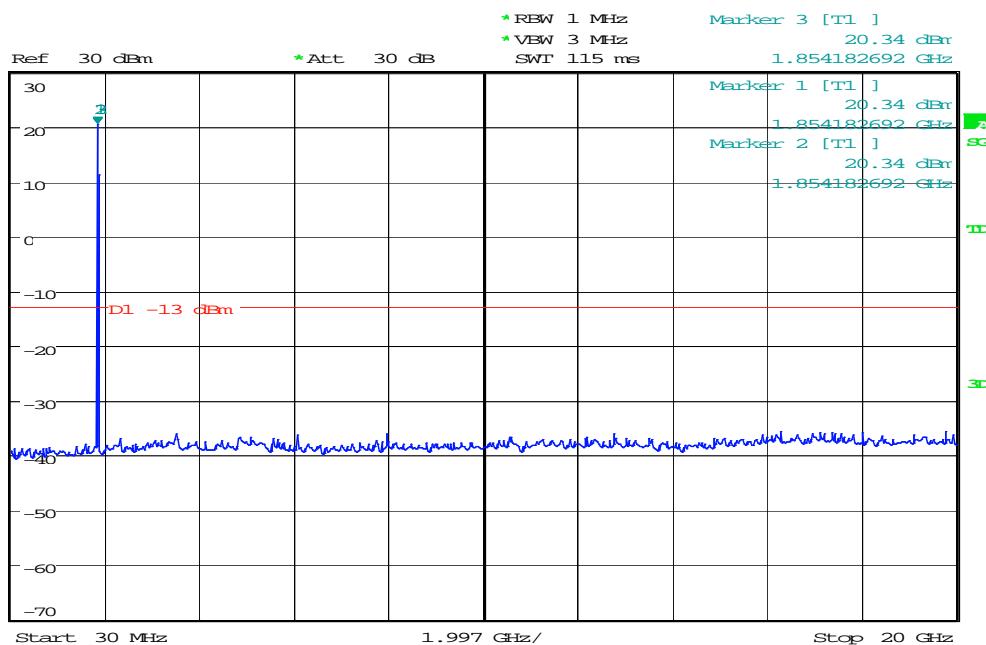
Date: 6.JUN.2016 17:02:57

Report No.: FCC16053699-4

BW5MHz-1907.5MHz,QPSK-25RB_LOW@Pass

	★RBW 1 MHz	Marker 3 [T1]
	★VBW 3 MHz	21.36 dBm
Ref 30 dBm	★Att 30 dB SWT 115 ms	1.886185897 GHz

Marker 1 [T1]
21.36 dBm
1.886185897 GHz

Marker 2 [T1]
21.36 dBm
1.886185897 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
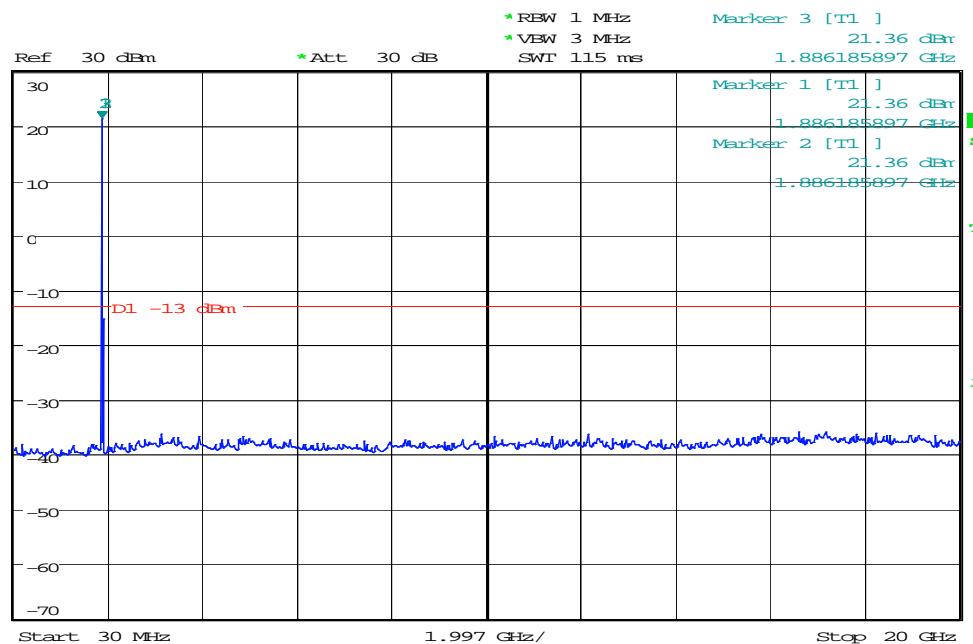
Date: 6.JUN.2016 17:04:26

BW5MHz-1907.5MHz,Q16-25RB_LOW@Pass

	★RBW 1 MHz	Marker 3 [T1]
	★VBW 3 MHz	21.27 dBm
Ref 30 dBm	★Att 30 dB SWT 115 ms	1.886185897 GHz

Marker 1 [T1]
21.27 dBm
1.886185897 GHz

Marker 2 [T1]
21.27 dBm
1.886185897 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
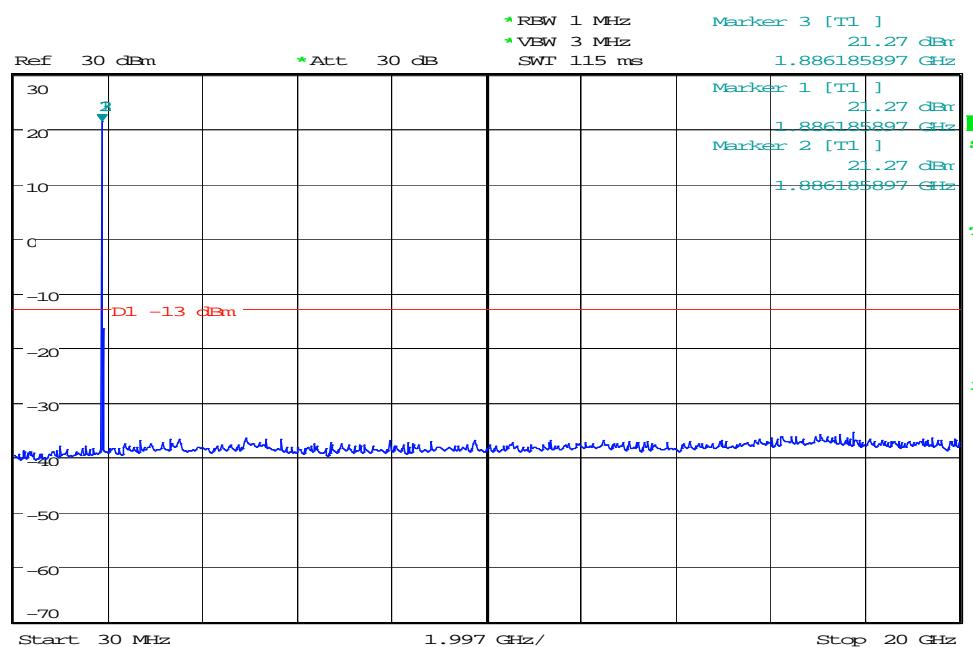
Date: 6.JUN.2016 17:06:06

Report No.: FCC16053699-4

BW10MHz-1855MHz,QPSK-50RB_LOW@Pass

	*RBW 1 MHz	Marker 3 [T1]
	*VBW 3 MHz	19.63 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	1.854182692 GHz

Marker 1 [T1]
19.63 dBm
1.854182692 GHz

Marker 2 [T1]
19.63 dBm
1.854182692 GHz

D1 −13 dBm

Start 30 MHz 1.997 GHz/ Stop 20 GHz
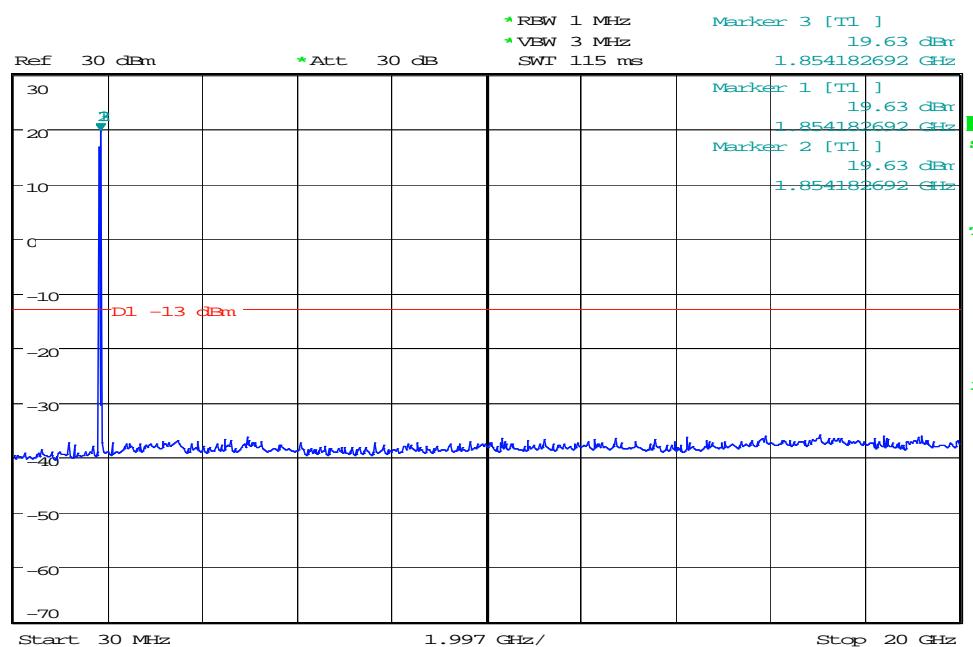
Date: 6.JUN.2016 17:11:45

BW10MHz-1855MHz,Q16-50RB_LOW@Pass

	*RBW 1 MHz	Marker 3 [T1]
	*VBW 3 MHz	19.56 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	1.854182692 GHz

Marker 1 [T1]
19.56 dBm
1.854182692 GHz

Marker 2 [T1]
19.56 dBm
1.854182692 GHz

D1 −13 dBm

Start 30 MHz 1.997 GHz/ Stop 20 GHz
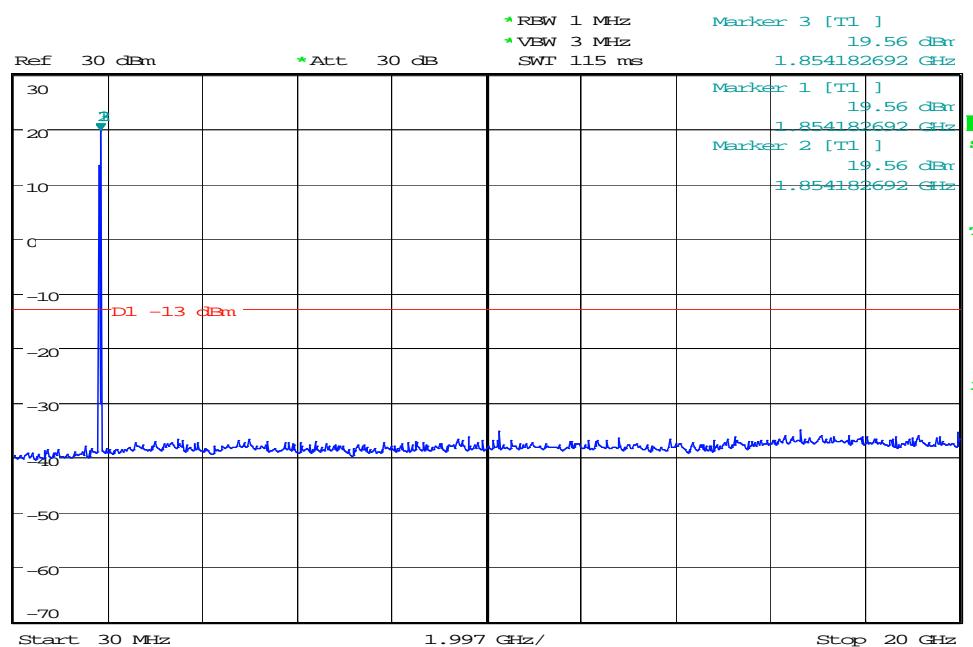
Date: 6.JUN.2016 17:13:14

Report No.: FCC16053699-4

BW10MHz-1880MHz,QPSK-50RB_LOW@Pass

	*RBW 1 MHz	Marker 3 [T1]
	*VBW 3 MHz	20.18 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	1.854182692 GHz

Marker 1 [T1]
20.18 dBm
1.854182692 GHz
Marker 2 [T1]
20.18 dBm
1.854182692 GHz

A
SGL

TDF

3DB

1 RM
Maxh

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
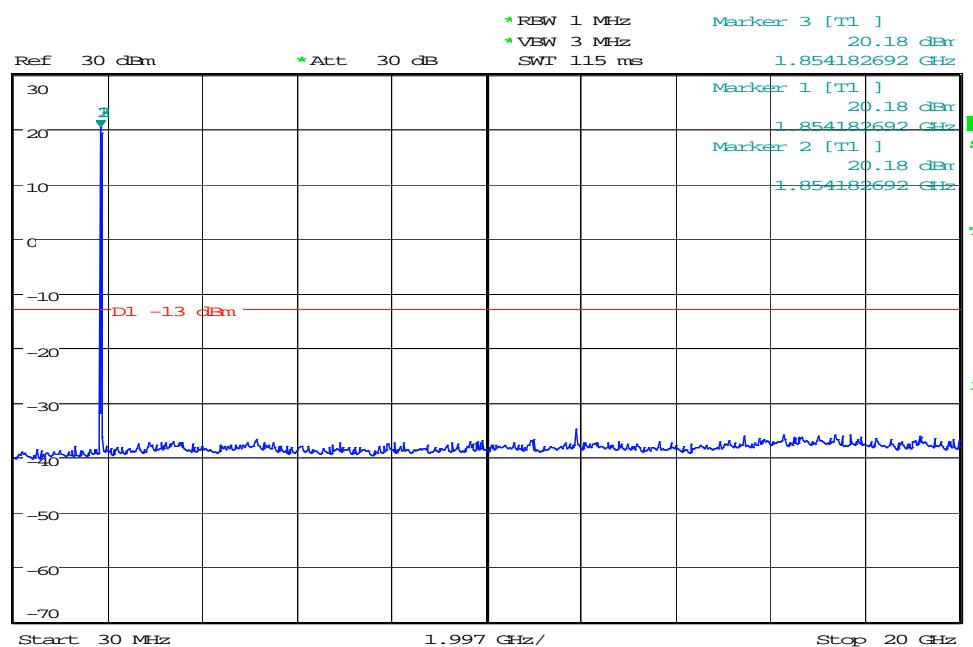
Date: 6.JUN.2016 17:14:02

BW10MHz-1880MHz,Q16-50RB_LOW@Pass

	*RBW 1 MHz	Marker 3 [T1]
	*VBW 3 MHz	18.84 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	1.854182692 GHz

Marker 1 [T1]
18.84 dBm
1.854182692 GHz
Marker 2 [T1]
18.84 dBm
1.854182692 GHz

A
SGL

TDF

3DB

1 RM
Maxh

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
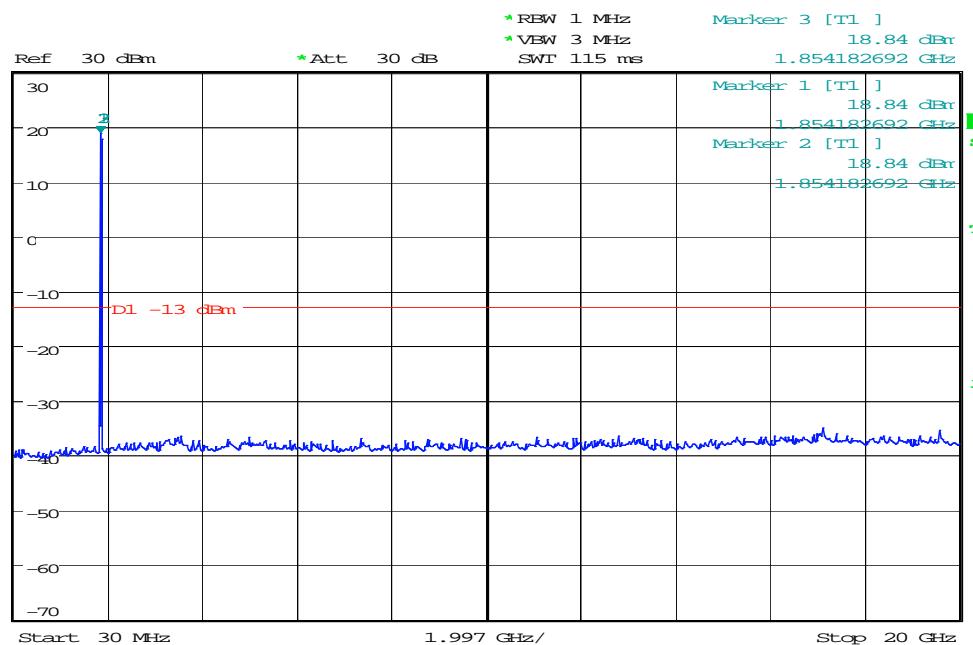
Date: 6.JUN.2016 17:14:40

Report No.: FCC16053699-4

BW10MHz-1905MHz,QPSK-50RB_LOW@Pass

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	20.68 dBm
Ref 30 dBm *Att 30 dB SWT 115 ms	1.886185897 GHz

Marker 1 [T1]
20.68 dBm
1.886185897 GHz

Marker 2 [T1]
20.68 dBm
1.886185897 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
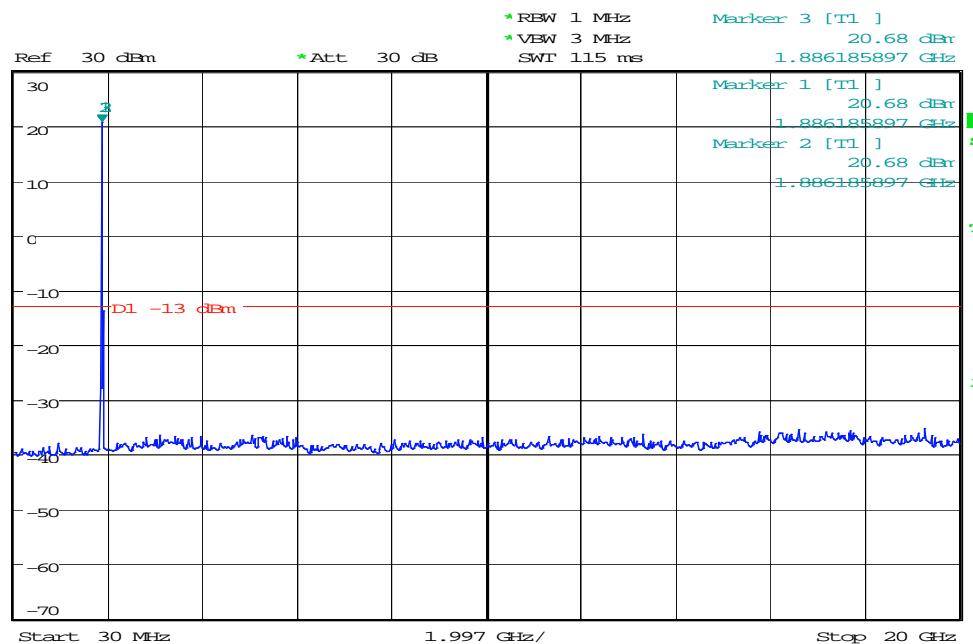
Date: 6.JUN.2016 17:16:05

BW10MHz-1905MHz,Q16-50RB_LOW@Pass

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	19.54 dBm
Ref 30 dBm *Att 30 dB SWT 115 ms	1.886185897 GHz

Marker 1 [T1]
19.54 dBm
1.886185897 GHz

Marker 2 [T1]
19.54 dBm
1.886185897 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
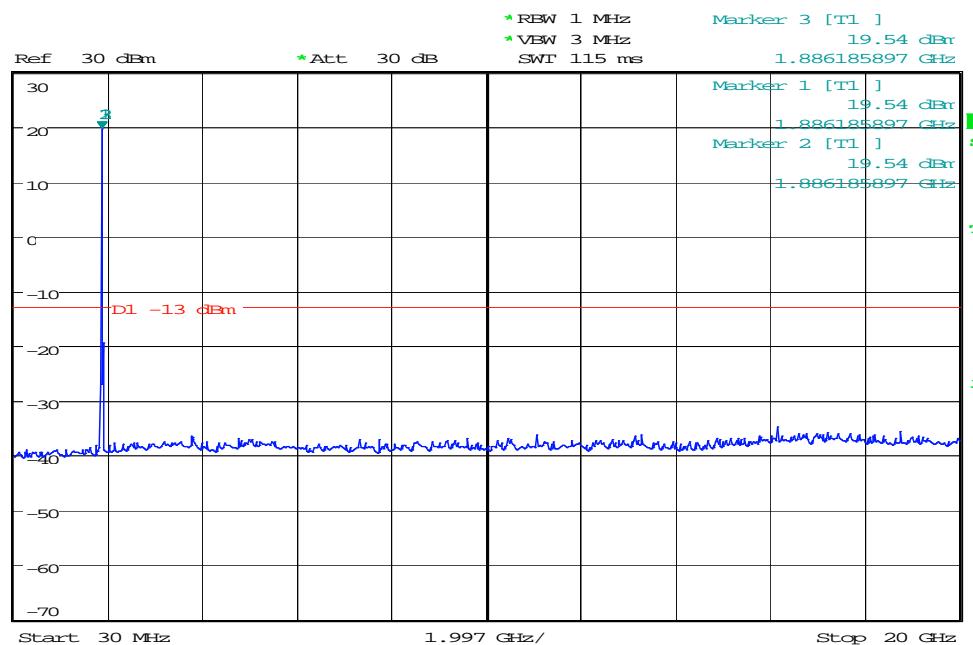
Date: 6.JUN.2016 17:17:42

Report No.: FCC16053699-4

BW15MHz-1857.5MHz,QPSK-75RB_LOW@Pass

```
                                            *RBW  1 MHz      Marker 3 [T1 ]
                                            *VBW  3 MHz                18.17 dBm
 Ref   30 dBm              *Att   30 dB     SWT  115 ms         1.854182692 GHz
```
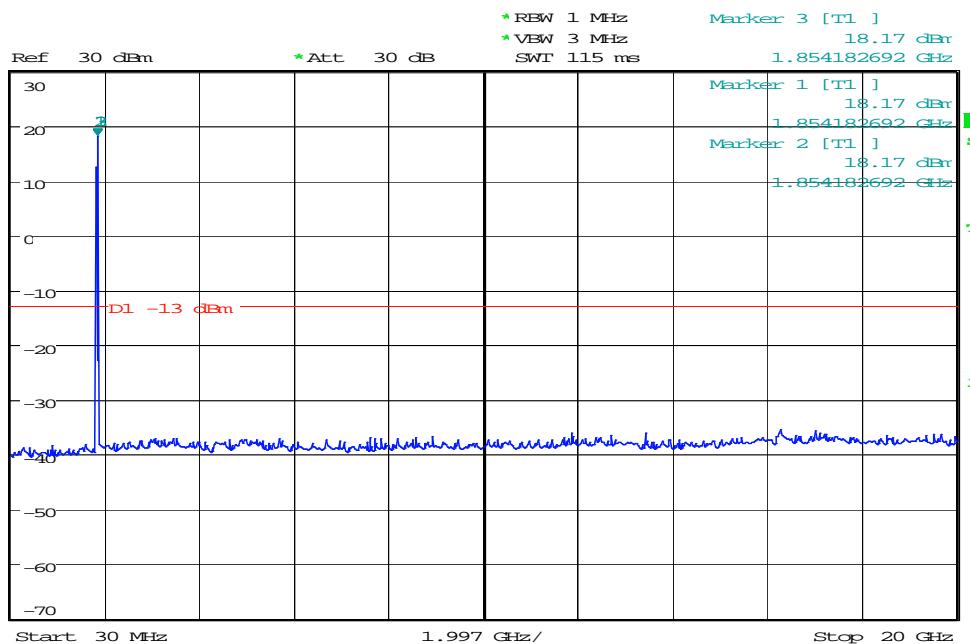

Date: 6.JUN.2016 17:22:04

BW15MHz-1857.5MHz,Q16-75RB_LOW@Pass

```
                                            *RBW  1 MHz      Marker 3 [T1 ]
                                            *VBW  3 MHz                18.59 dBm
 Ref   30 dBm              *Att   30 dB     SWT  115 ms         1.854182692 GHz
```
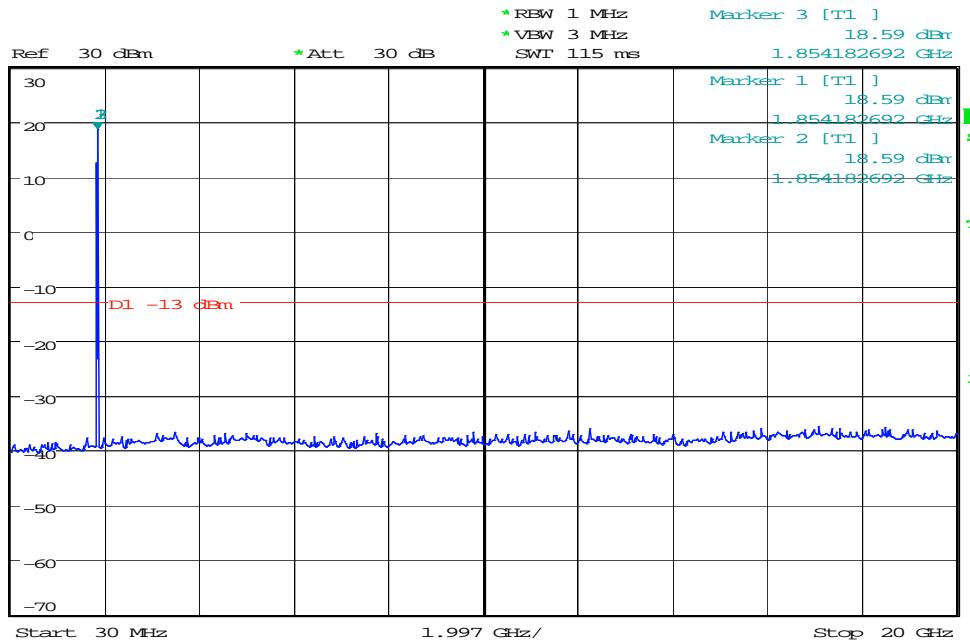

Date: 6.JUN.2016 17:23:18

Report No.: FCC16053699-4

BW15MHz-1880MHz,QPSK-75RB_LOW @Pass

```
                                        *RBW 1 MHz        Marker 3 [T1 ]
                                        *VBW 3 MHz                18.63 dBm
Ref   30 dBm              *Att  30 dB    SWT 115 ms        1.854182692 GHz
                                                          Marker 1 [T1 ]
 30                                                                18.63 dBm
                                                          1.854182692 GHz     A
 20                                                                         SGL
                                                          Marker 2 [T1 ]
 10                                                                18.63 dBm
                                                          1.854182692 GHz
  0                                                                          TDF
-10
        D1 -13 dBm
-20
                                                                            3DB
-30
-40
-50
-60
-70
Start  30 MHz                     1.997 GHz/              Stop  20 GHz
```
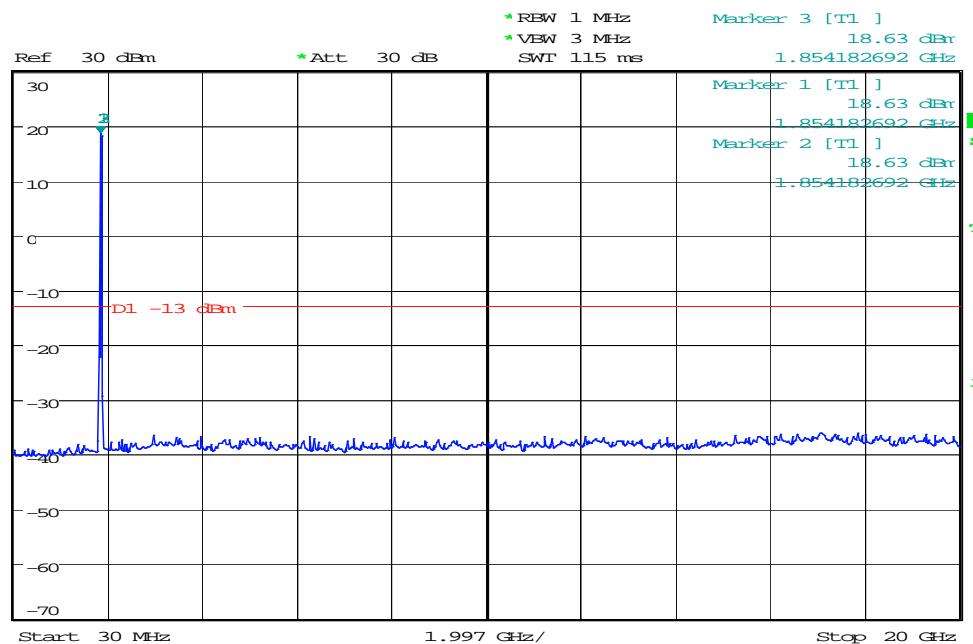
Date: 6.JUN.2016 17:24:04

BW15MHz-1880MHz,Q16-75RB_LOW @Pass

```
                                        *RBW 1 MHz        Marker 3 [T1 ]
                                        *VBW 3 MHz                18.75 dBm
Ref   30 dBm              *Att  30 dB    SWT 115 ms        1.854182692 GHz
                                                          Marker 1 [T1 ]
 30                                                                18.75 dBm
                                                          1.854182692 GHz     A
 20                                                                         SGL
                                                          Marker 2 [T1 ]
 10                                                                18.75 dBm
                                                          1.854182692 GHz
  0                                                                          TDF
-10
        D1 -13 dBm
-20
                                                                            3DB
-30
-40
-50
-60
-70
Start  30 MHz                     1.997 GHz/              Stop  20 GHz
```
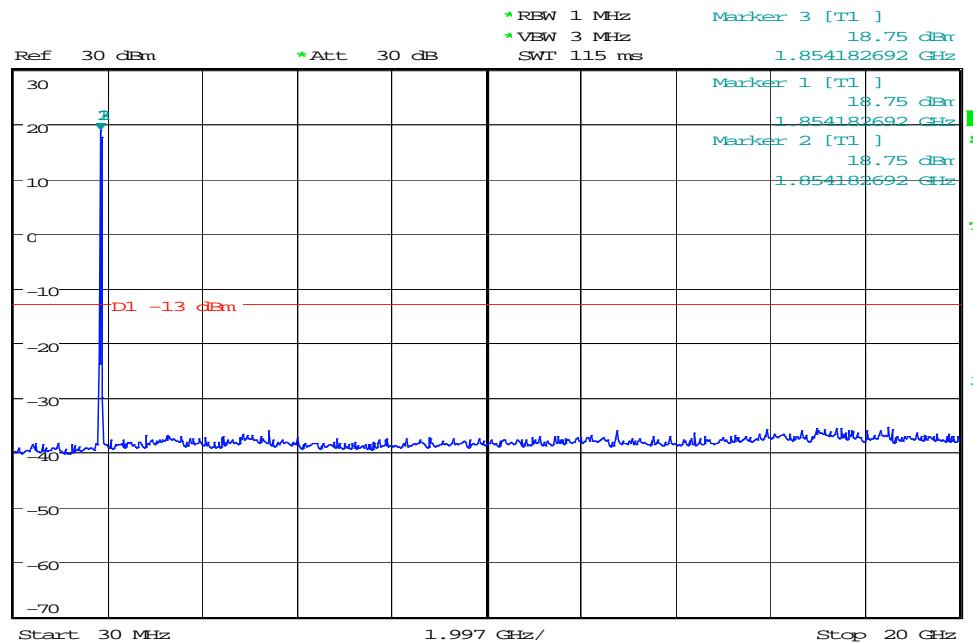
Date: 6.JUN.2016 17:24:41

Report No.: FCC16053699-4

BW15MHz-1902.5MHz,QPSK-75RB_LOW@Pass

```
                                              ★RBW  1 MHz      Marker 3 [T1 ]
                                              ★VBW  3 MHz                 19.88 dBm
  Ref   30 dBm            ★Att   30 dB         SWT 115 ms          1.886185897 GHz
                                                              Marker 1 [T1 ]
  30                                                                      19.88 dBm
                                                                  1.886185897 GHz    A
  20                                                          Marker 2 [T1 ]         SGL
                                                                          19.88 dBm
  10                                                              1.886185897 GHz
                                                                                     TDF
   0

 -10    D1 -13 dBm

 -20
                                                                                     3DB
 -30


 -40

 -50

 -60

 -70
  Start  30 MHz                  1.997 GHz/              Stop  20 GHz
```

1 RM
Max
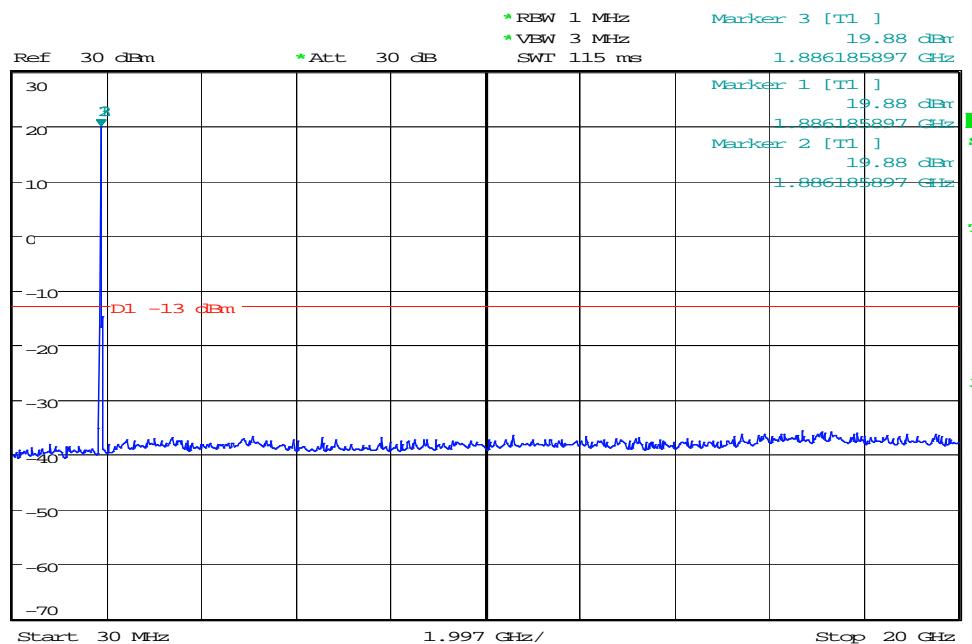
Date: 6.JUN.2016 17:25:46

BW15MHz-1902.5MHz,Q16-75RB_LOW@Pass

```
                                              ★RBW  1 MHz      Marker 3 [T1 ]
                                              ★VBW  3 MHz                 18.59 dBm
  Ref   30 dBm            ★Att   30 dB         SWT 115 ms          1.886185897 GHz
                                                              Marker 1 [T1 ]
  30                                                                      18.59 dBm
                                                                  1.886185897 GHz    A
  20                                                          Marker 2 [T1 ]         SGL
                                                                          18.59 dBm
  10                                                              1.886185897 GHz
                                                                                     TDF
   0

 -10    D1 -13 dBm

 -20
                                                                                     3DB
 -30


 -40

 -50

 -60

 -70
  Start  30 MHz                  1.997 GHz/              Stop  20 GHz
```

1 RM
Max
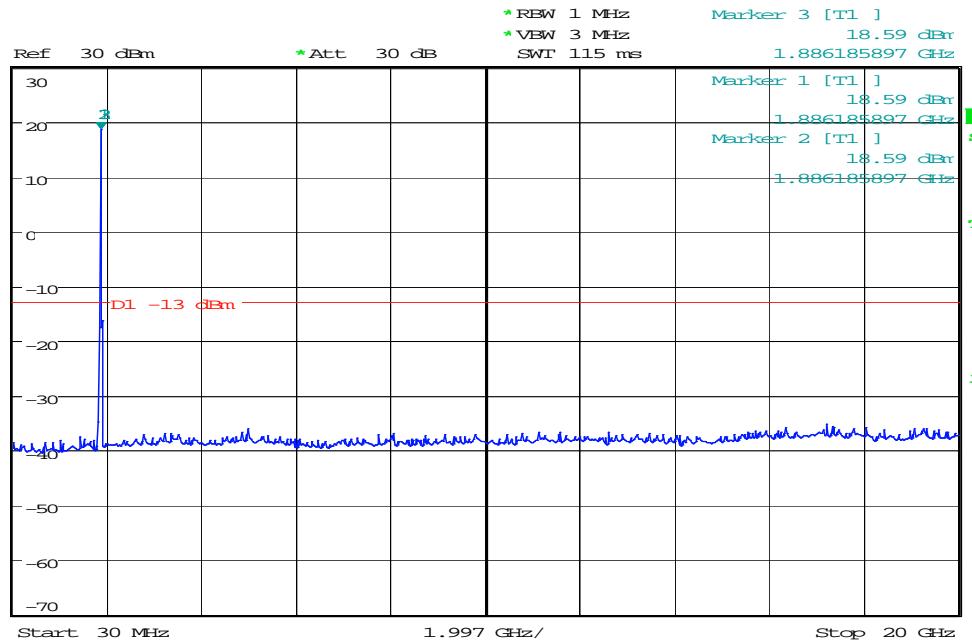
Date: 6.JUN.2016 17:26:47

Report No.: FCC16053699-4

BW20MHz-1860MHz,QPSK-100RB_LOW @Pass

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	18.10 dBm
SWT 115 ms	1.854182692 GHz

Ref   30 dBm   *Att   30 dB

Marker 1 [T1]
18.10 dBm
1.854182692 GHz
Marker 2 [T1]
18.10 dBm
1.854182692 GHz

1 RM
Max

A
SGL

TDF

D1 −13 dBm

3DB

Start 30 MHz   1.997 GHz/   Stop 20 GHz
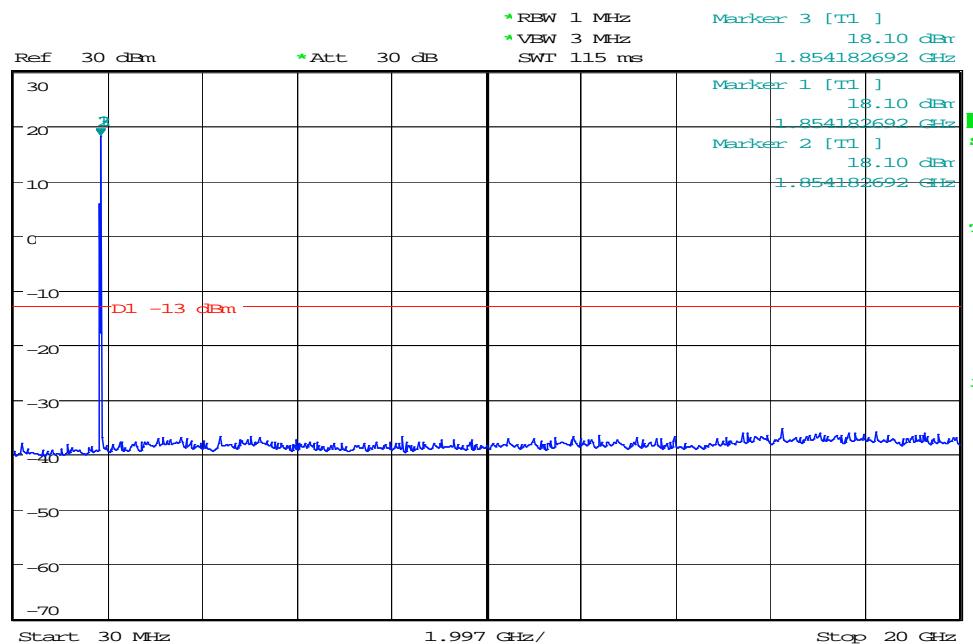
Date: 6.JUN.2016   17:32:05

BW20MHz-1860MHz,Q16-100RB_LOW @Pass

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	16.44 dBm
SWT 115 ms	1.854182692 GHz

Ref   30 dBm   *Att   30 dB

Marker 1 [T1]
16.44 dBm
1.854182692 GHz
Marker 2 [T1]
16.44 dBm
1.854182692 GHz

1 RM
Max

A
SGL

TDF

D1 −13 dBm

3DB

Start 30 MHz   1.997 GHz/   Stop 20 GHz
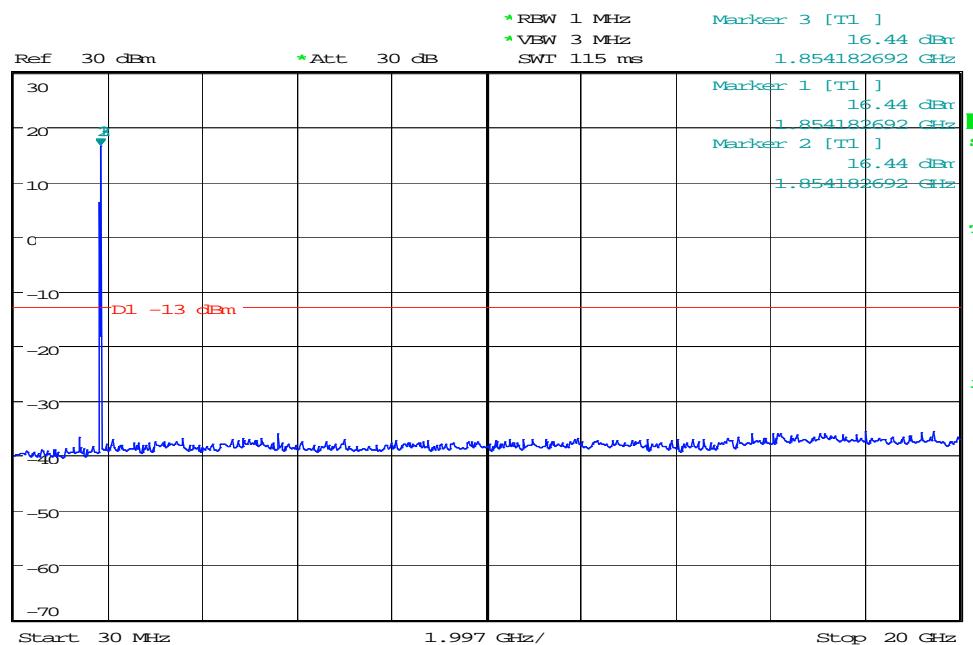
Date: 6.JUN.2016   17:33:19

Report No.: FCC16053699-4

BW20MHz-1880MHz,QPSK-100RB_LOW @Pass

	*RBW 1 MHz	Marker 3 [T1]
	*VBW 3 MHz	17.94 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	1.854182692 GHz

Marker 1 [T1]
17.94 dBm
1.854182692 GHz
Marker 2 [T1]
17.94 dBm
1.854182692 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
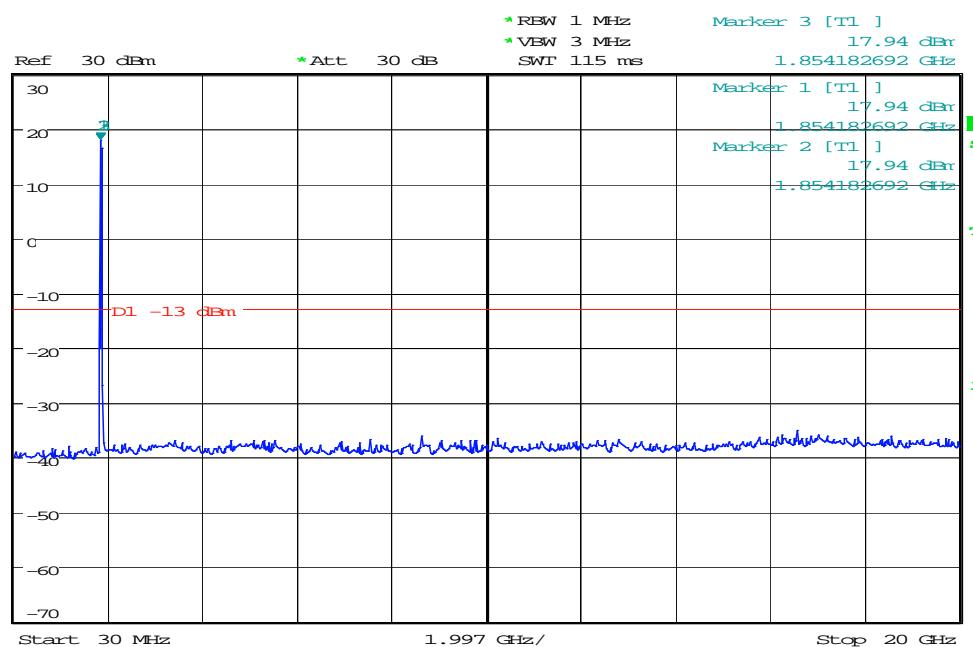
Date: 6.JUN.2016 17:34:05

BW20MHz-1880MHz,Q16-100RB_LOW @Pass

	*RBW 1 MHz	Marker 3 [T1]
	*VBW 3 MHz	17.91 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	1.854182692 GHz

Marker 1 [T1]
17.91 dBm
1.854182692 GHz
Marker 2 [T1]
17.91 dBm
1.854182692 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
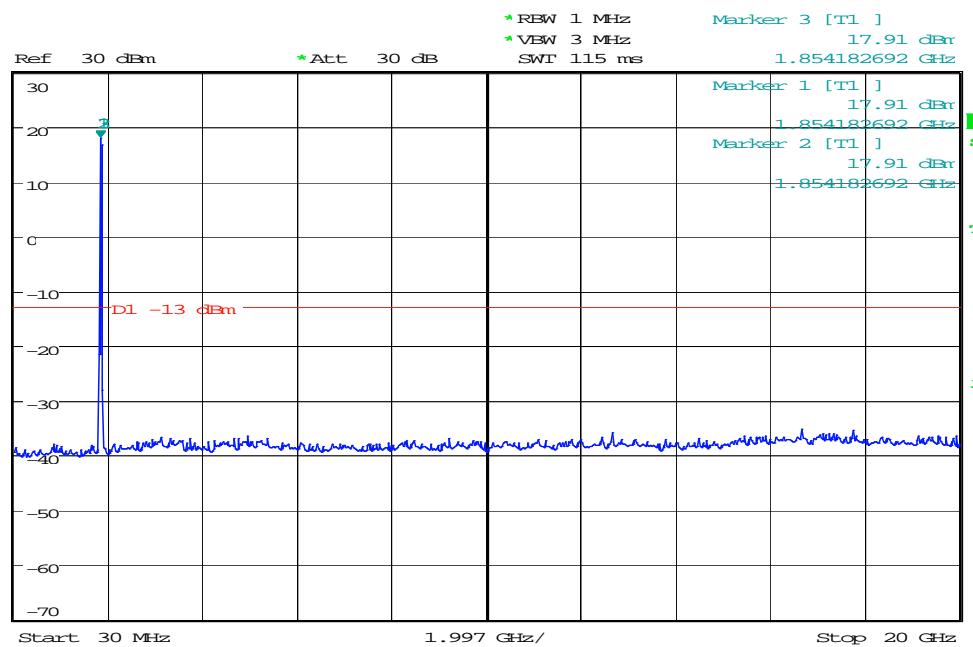
Date: 6.JUN.2016 17:34:43

Report No.: FCC16053699-4

BW20MHz-1900MHz,QPSK-100RB_LOW @Pass
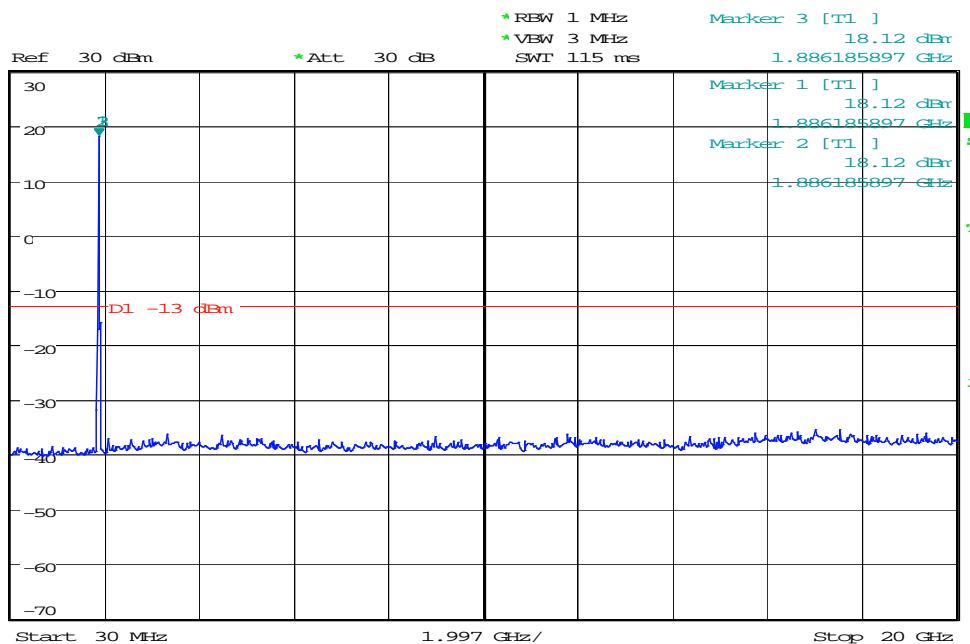
Date: 6.JUN.2016 17:35:50

BW20MHz-1900MHz,Q16-100RB_LOW @Pass
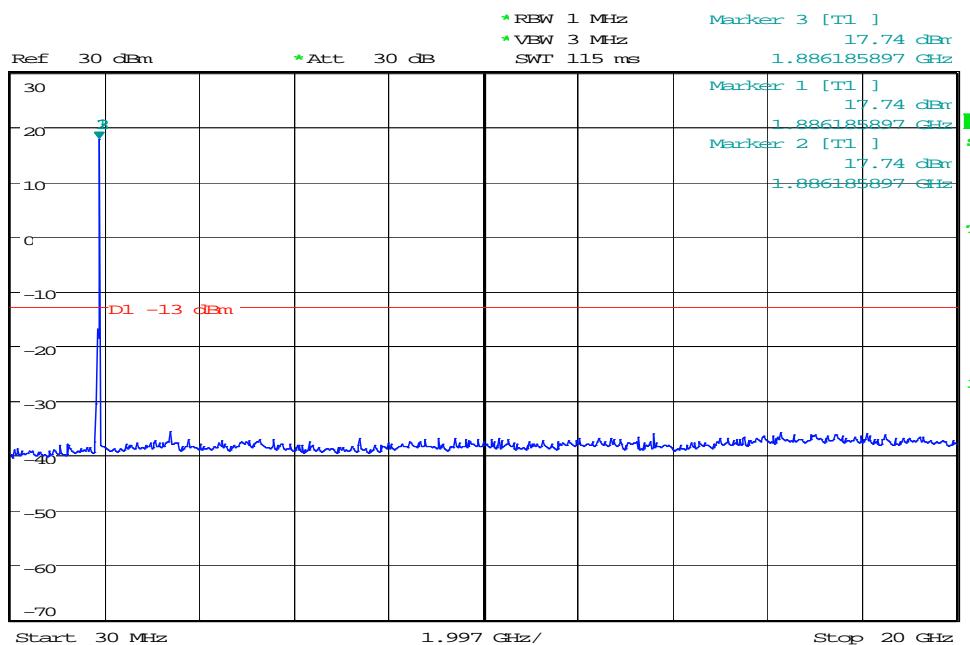
Date: 6.JUN.2016 17:37:03

Report No.: FCC16053699-4

BAND 4@Conducted Spurious Emission

BW1.4MHz-1710.7MHz,QPSK-6RB_LOW@Pass
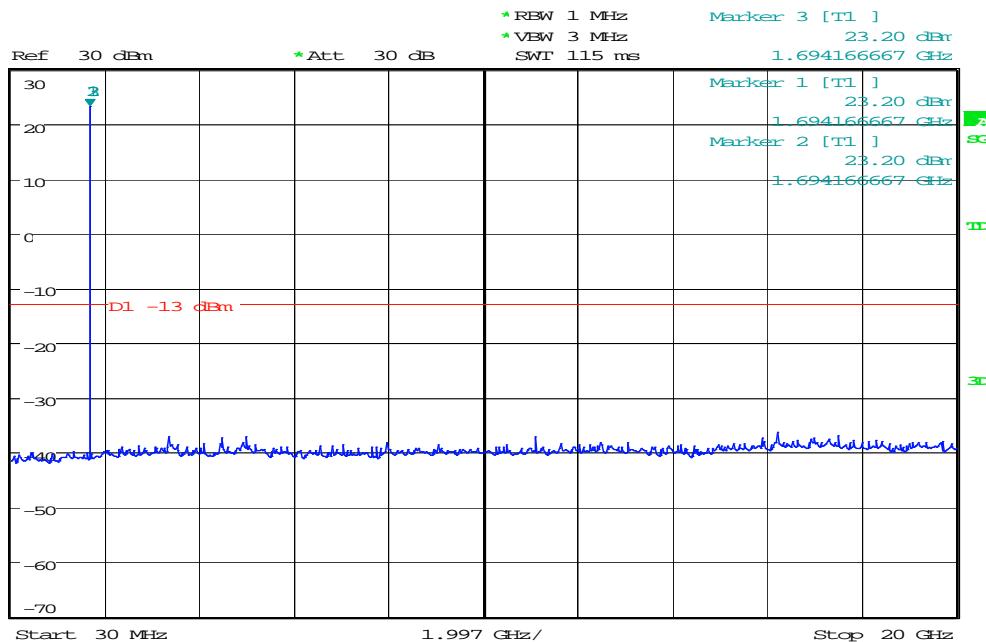
Date: 6.JUN.2016 17:50:37

BW1.4MHz-1710.7MHz,Q16-6RB_LOW@Pass
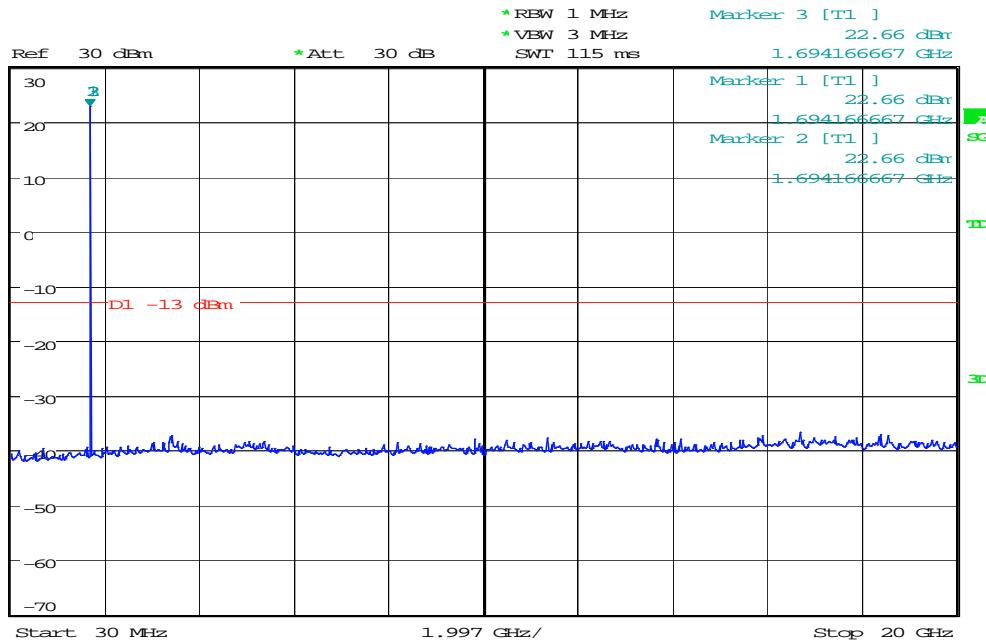
Date: 6.JUN.2016 17:52:20

Report No.: FCC16053699-4

BW1.4MHz-1754.3MHz,QPSK-6RB_LOW@Pass
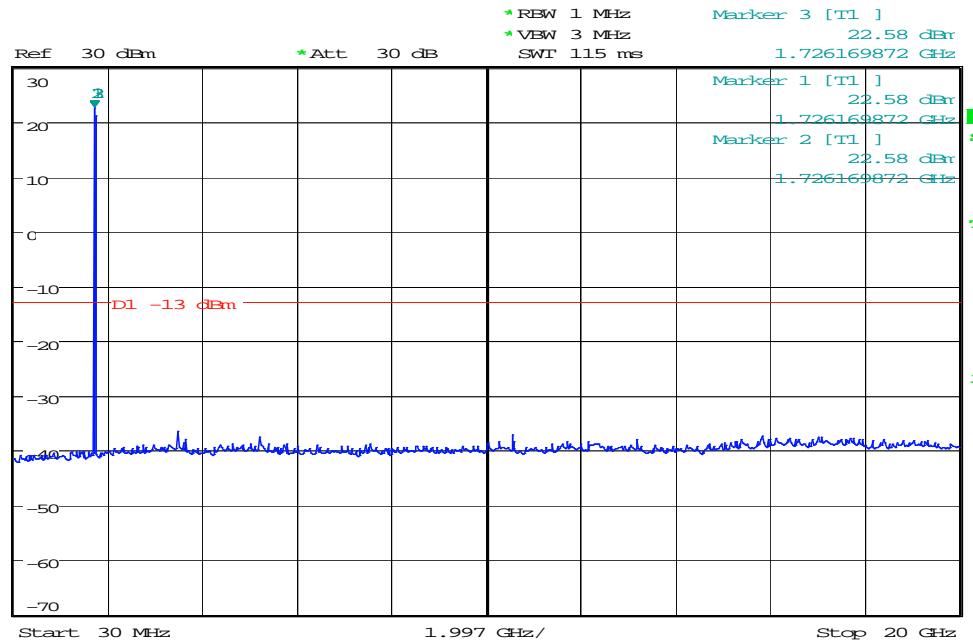
Date: 6.JUN.2016 17:53:53

BW1.4MHz-1754.3MHz,Q16-6RB_LOW@Pass
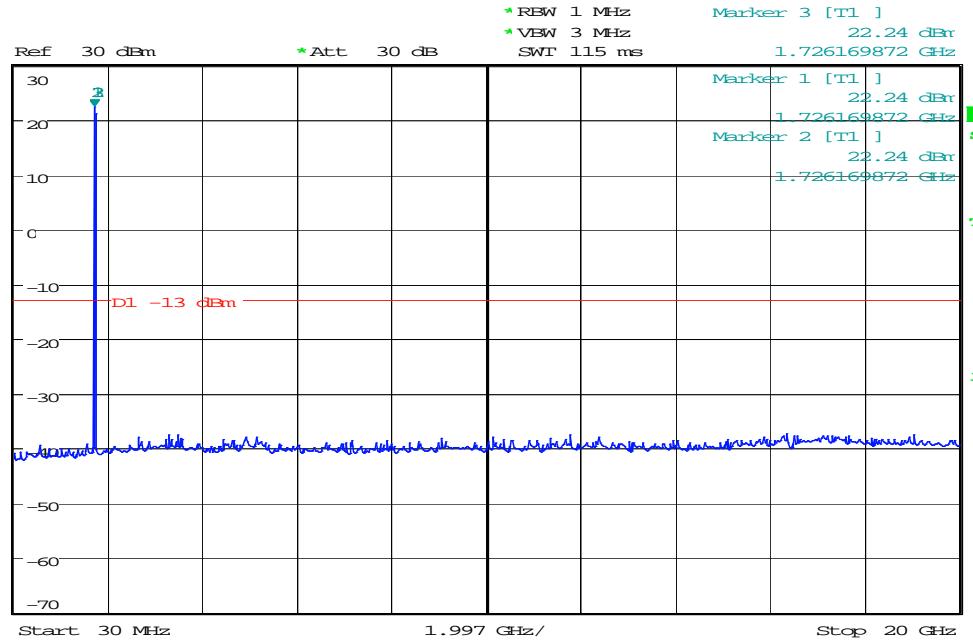
Date: 6.JUN.2016 17:55:22

Report No.: FCC16053699-4

BW1.4MHz-1732.5MHz,QPSK-6RB_LOW@Pass

★RBW 1 MHz	Marker 3 [T1]
★VBW 3 MHz	21.89 dBm
SWT 115 ms	1.726169872 GHz

Ref 30 dBm ★Att 30 dB

Marker 1 [T1]
21.89 dBm
1.726169872 GHz
Marker 2 [T1]
21.89 dBm
1.726169872 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
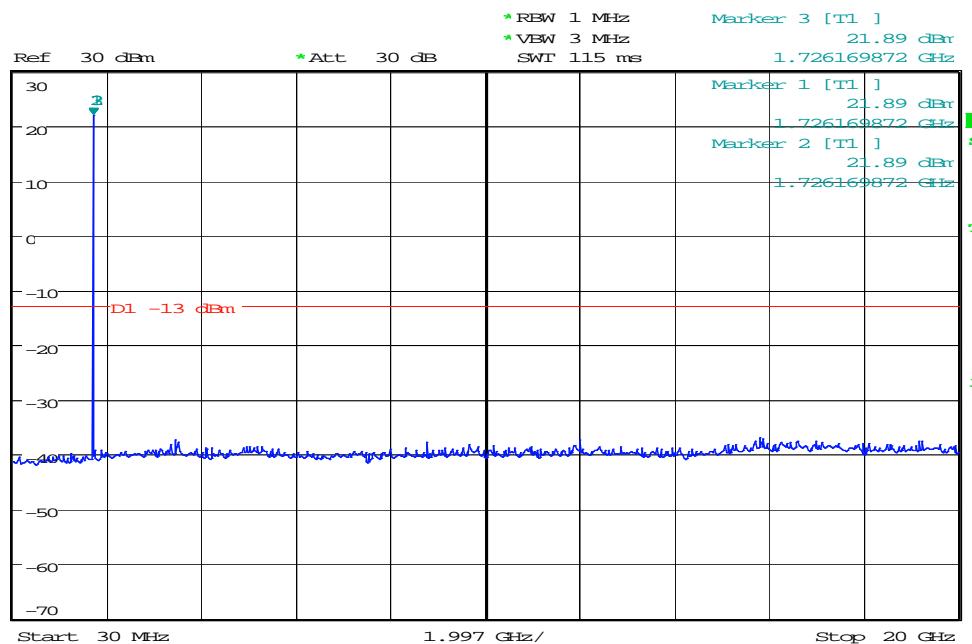
Date: 6.JUN.2016 17:56:15

BW1.4MHz-1732.5MHz,Q16-6RB_LOW@Pass

★RBW 1 MHz	Marker 3 [T1]
★VBW 3 MHz	21.68 dBm
SWT 115 ms	1.726169872 GHz

Ref 30 dBm ★Att 30 dB

Marker 1 [T1]
21.68 dBm
1.726169872 GHz
Marker 2 [T1]
21.68 dBm
1.726169872 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
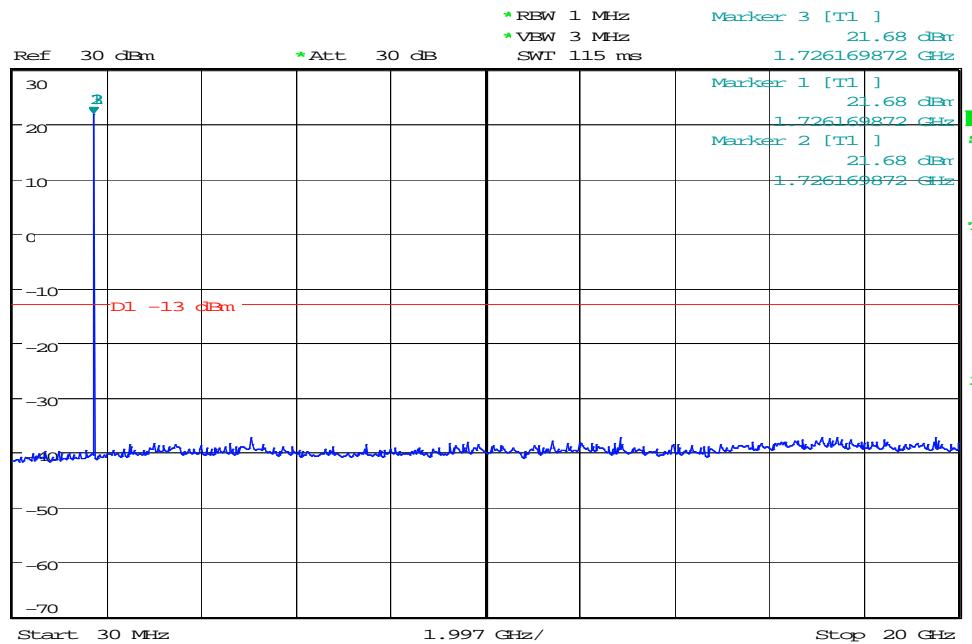
Date: 6.JUN.2016 17:56:59

Report No.: FCC16053699-4

BW3MHz-1711.5MHz,QPSK-15RB_LOW@Pass
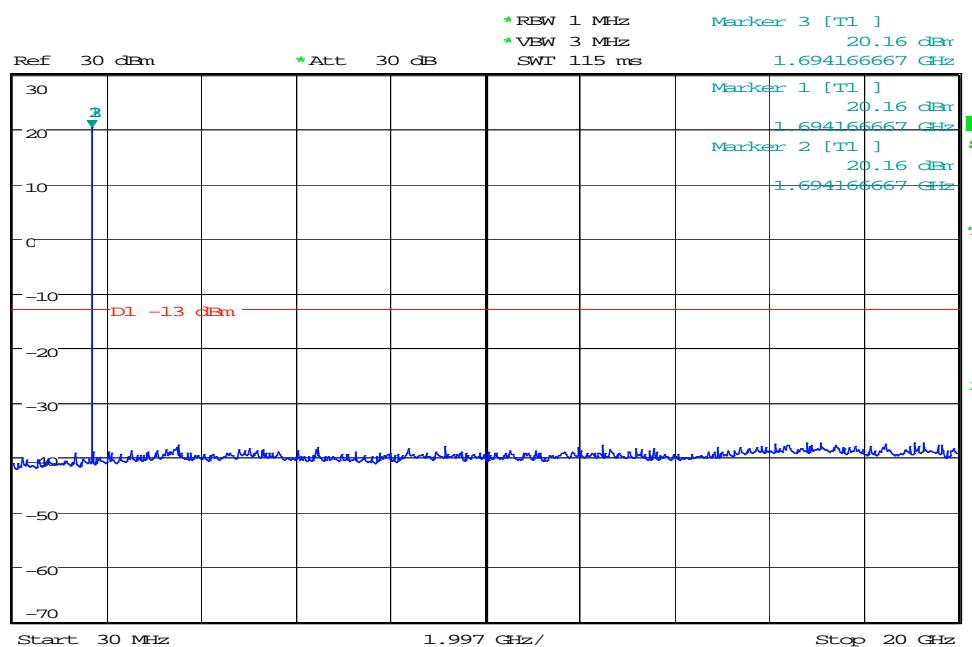
Date: 6.JUN.2016 17:58:24

BW3MHz-1711.5MHz,Q16-15RB_LOW@Pass
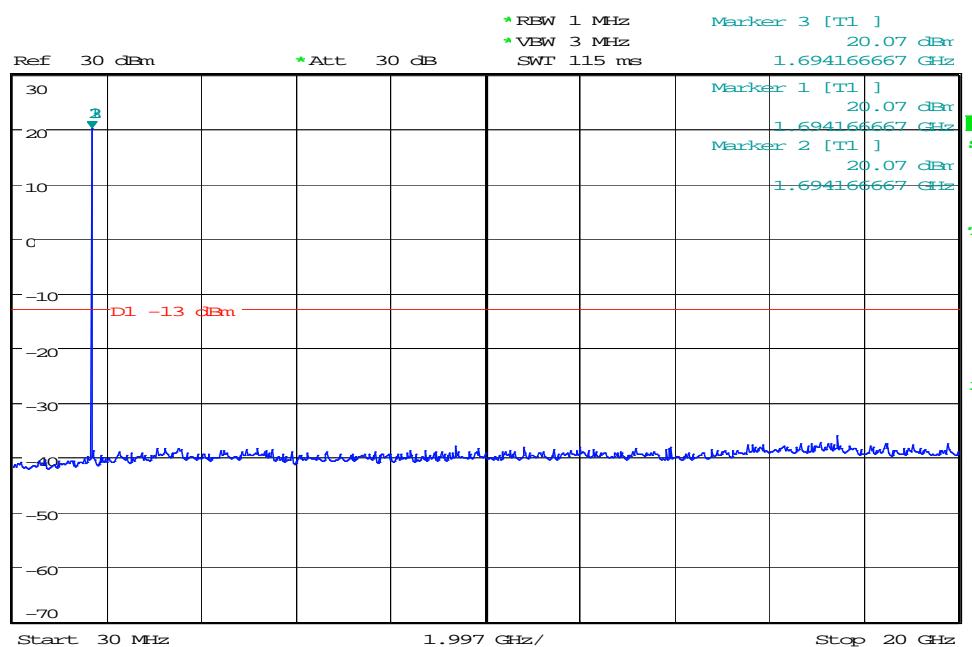
Date: 6.JUN.2016 18:01:02

Report No.: FCC16053699-4

BW3MHz-1753.5MHz,QPSK-15RB_LOW@Pass

Ref 30 dBm   *Att 30 dB

*RBW 1 MHz   Marker 3 [T1]
*VBW 3 MHz   19.94 dBm
SWT 115 ms   1.726169872 GHz

Marker 1 [T1]
19.94 dBm
1.726169872 GHz
Marker 2 [T1]
19.94 dBm
1.726169872 GHz

D1 -13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
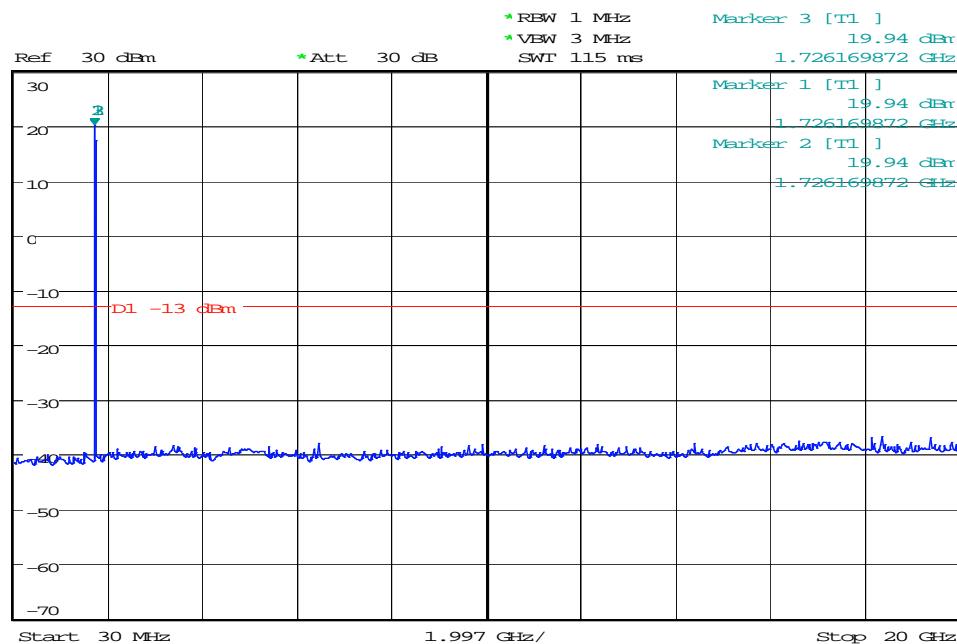
Date: 6.JUN.2016 18:02:14

BW3MHz-1753.5MHz,Q16-15RB_LOW@Pass

Ref 30 dBm   *Att 30 dB

*RBW 1 MHz   Marker 3 [T1]
*VBW 3 MHz   20.74 dBm
SWT 115 ms   1.726169872 GHz

Marker 1 [T1]
20.74 dBm
1.726169872 GHz
Marker 2 [T1]
20.74 dBm
1.726169872 GHz

D1 -13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
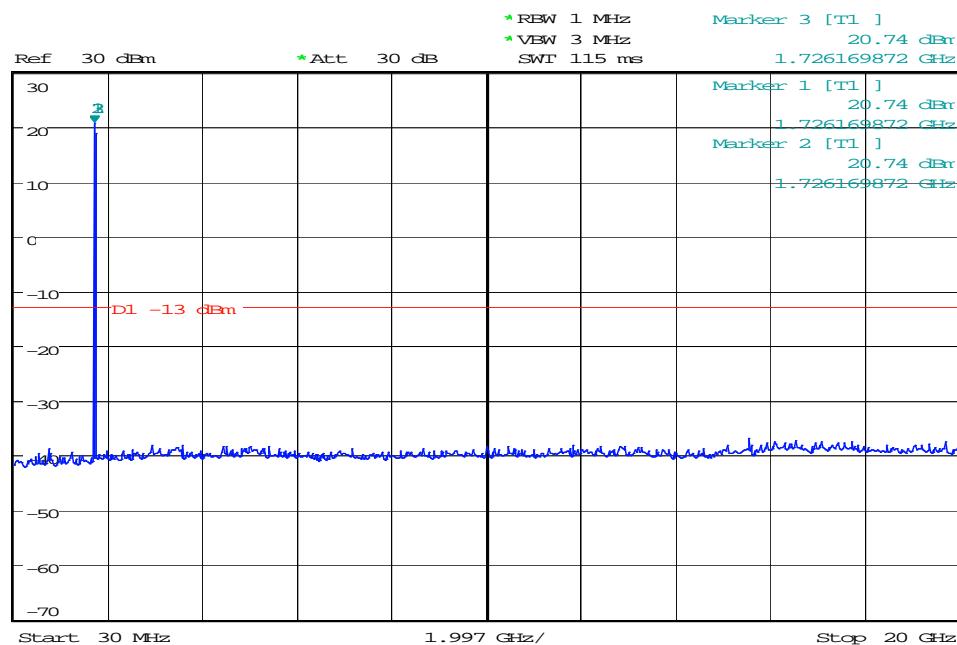
Date: 6.JUN.2016 18:03:24

Report No.: FCC16053699-4

BW3MHz-1732.5MHz,QPSK-15RB_LOW@Pass

*RBW 1 MHz	Marker 3 [T1]	
*VBW 3 MHz		19.33 dBm
SWT 115 ms		1.726169872 GHz

Ref   30 dBm   *Att   30 dB

Marker 1 [T1]
19.33 dBm
1.726169872 GHz

Marker 2 [T1]
19.33 dBm
1.726169872 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
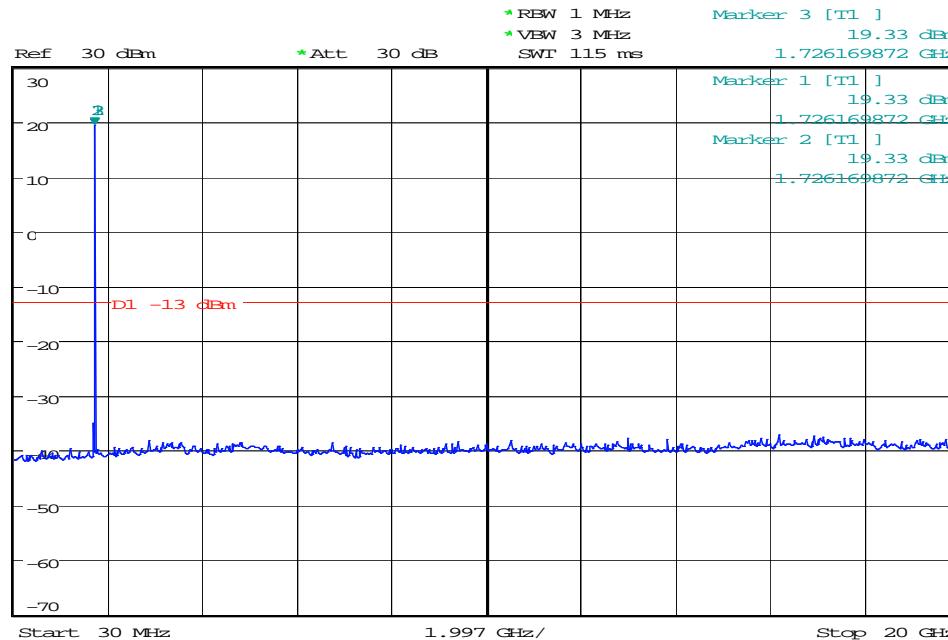
Date: 6.JUN.2016 18:04:06

BW3MHz-1732.5MHz,Q16-15RB_LOW@Pass

*RBW 1 MHz	Marker 3 [T1]	
*VBW 3 MHz		19.72 dBm
SWT 115 ms		1.726169872 GHz

Ref   30 dBm   *Att   30 dB

Marker 1 [T1]
19.72 dBm
1.726169872 GHz

Marker 2 [T1]
19.72 dBm
1.726169872 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
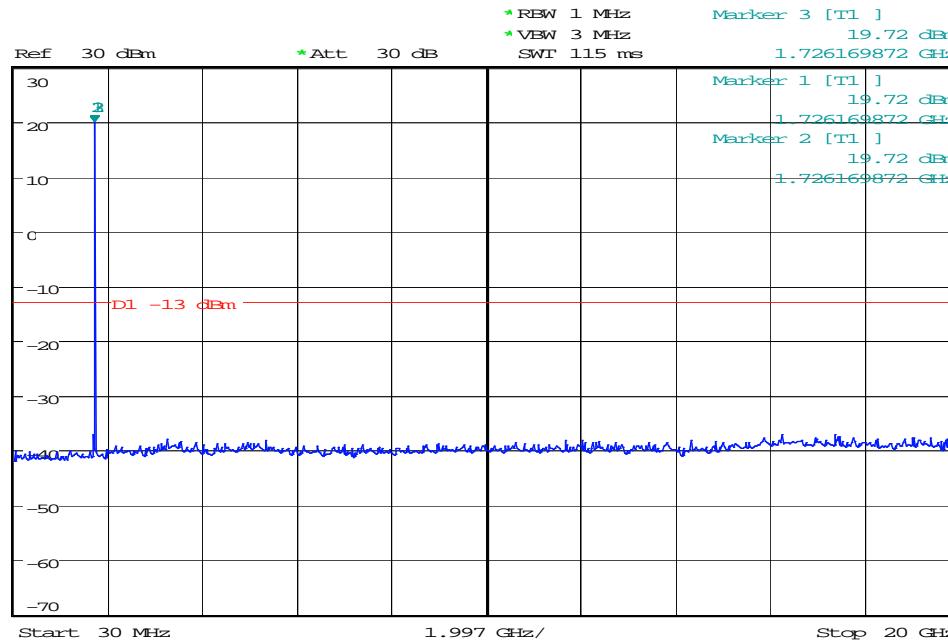
Date: 6.JUN.2016 18:04:41

Report No.: FCC16053699-4

BW5MHz-1712.5MHz,QPSK-25RB_LOW@Pass
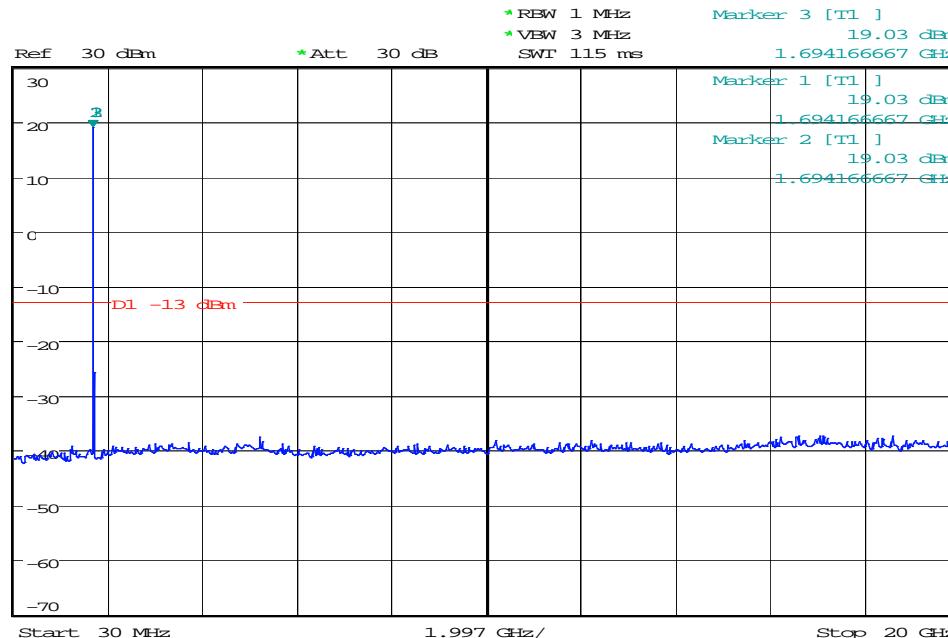
Date: 6.JUN.2016 18:06:09

BW5MHz-1712.5MHz,Q16-25RB_LOW@Pass
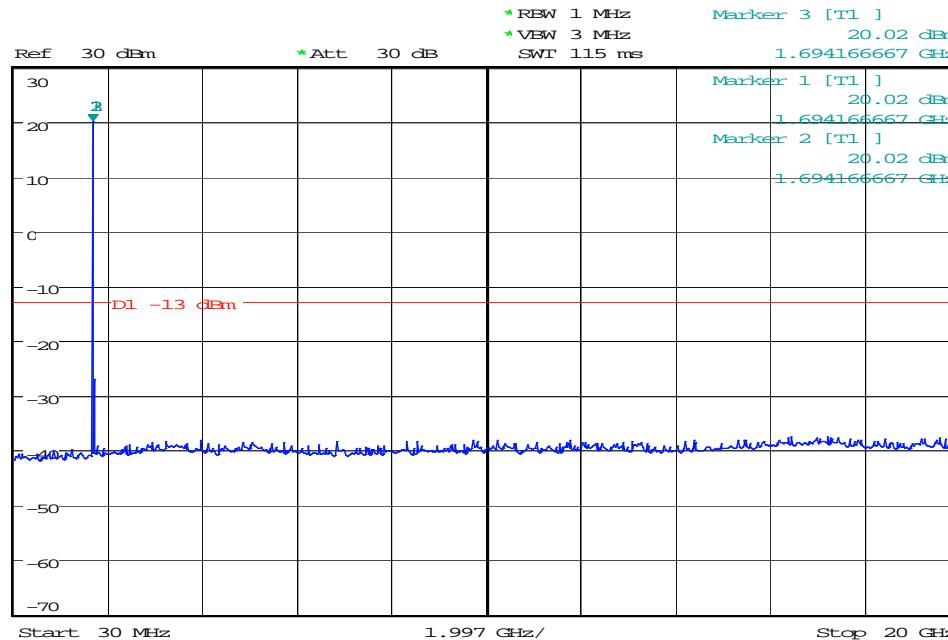
Date: 6.JUN.2016 18:07:44

Report No.: FCC16053699-4

BW5MHz-1752.5MHz,QPSK-25RB_LOW@Pass


```
                                          * RBW 1 MHz        Marker 3 [T1 ]
                                          * VBW 3 MHz                19.04 dBm
Ref    30 dBm              * Att  30 dB    SWT 115 ms         1.726169872 GHz
                                                             Marker 1 [T1 ]
 30                                                                  19.04 dBm
                                                             1.726169872 GHz    A
 20                                                                             SGL
                                                             Marker 2 [T1 ]
 10                                                                  19.04 dBm
                                                             1.726169872 GHz
  0                                                                             TDF
-10
        D1 -13 dBm
-20
                                                                                3DB
-30

-40
-50
-60
-70
Start  30 MHz                        1.997 GHz/              Stop   20 GHz
```
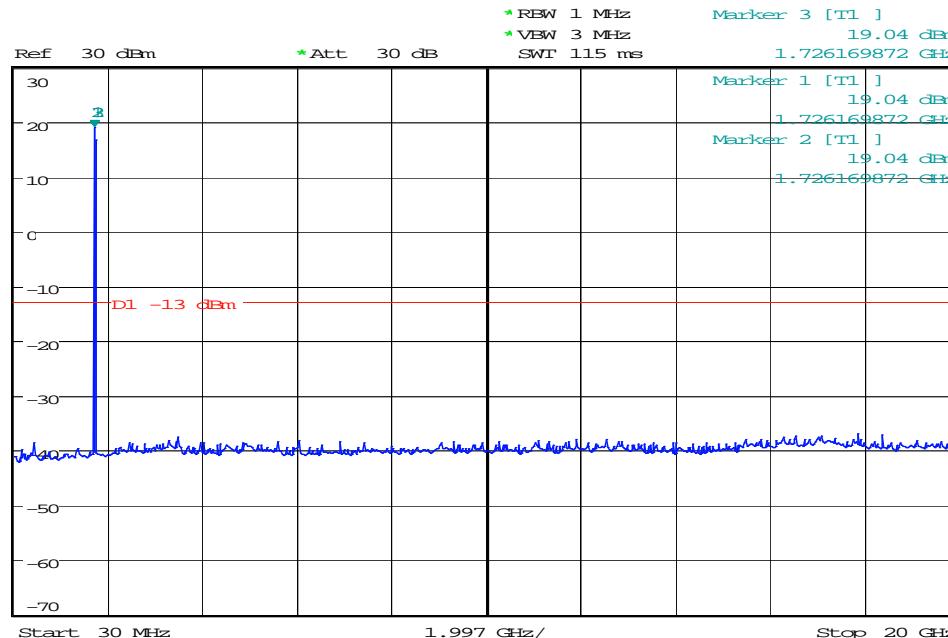
Date: 6.JUN.2016 18:09:17

BW5MHz-1752.5MHz,Q16-25RB_LOW@Pass


```
                                          * RBW 1 MHz        Marker 3 [T1 ]
                                          * VBW 3 MHz                19.81 dBm
Ref    30 dBm              * Att  30 dB    SWT 115 ms         1.726169872 GHz
                                                             Marker 1 [T1 ]
 30                                                                  19.81 dBm
                                                             1.726169872 GHz    A
 20                                                                             SGL
                                                             Marker 2 [T1 ]
 10                                                                  19.81 dBm
                                                             1.726169872 GHz
  0                                                                             TDF
-10
        D1 -13 dBm
-20
                                                                                3DB
-30

-40
-50
-60
-70
Start  30 MHz                        1.997 GHz/              Stop   20 GHz
```
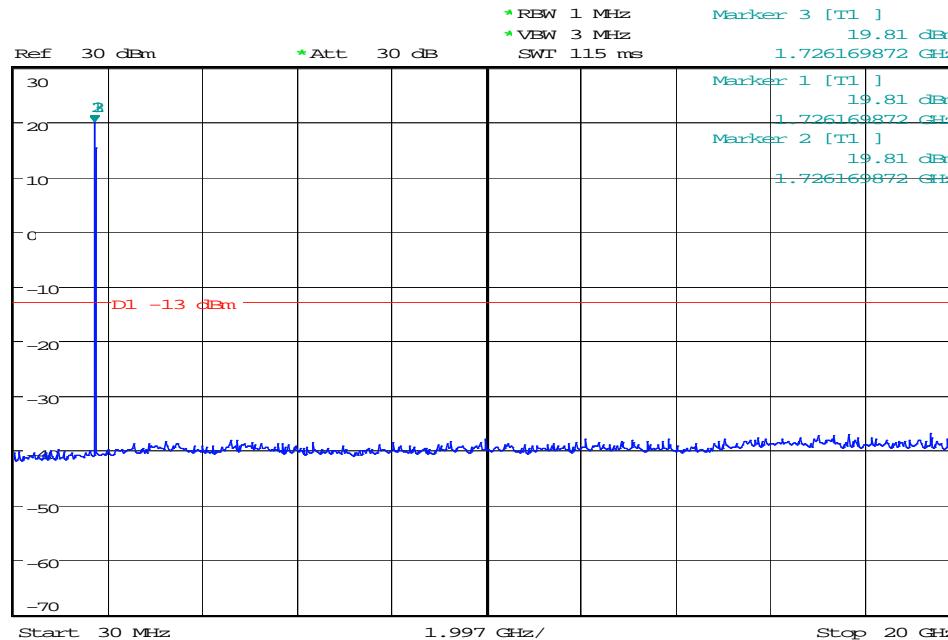
Date: 6.JUN.2016 18:10:43

Report No.: FCC16053699-4

BW5MHz-1732.5MHz,QPSK-25RB_LOW@Pass

Ref 30 dBm   *Att 30 dB

*RBW 1 MHz
*VBW 3 MHz
SWT 115 ms

Marker 3 [T1]
18.92 dBm
1.726169872 GHz

Marker 1 [T1]
18.92 dBm
1.726169872 GHz

Marker 2 [T1]
18.92 dBm
1.726169872 GHz

D1 -13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
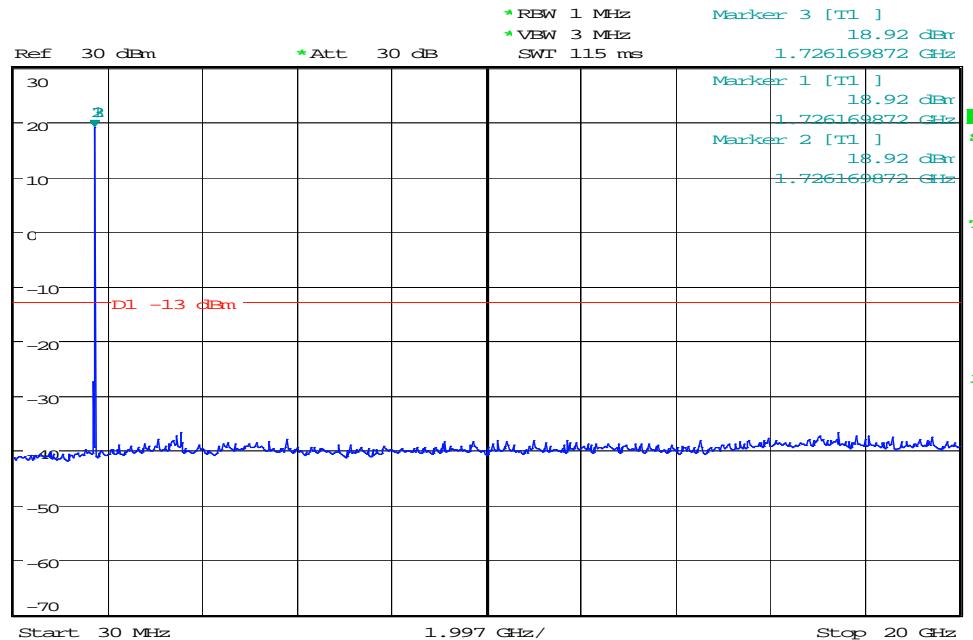
Date: 6.JUN.2016 18:11:30

BW5MHz-1732.5MHz,Q16-25RB_LOW@Pass

Ref 30 dBm   *Att 30 dB

*RBW 1 MHz
*VBW 3 MHz
SWT 115 ms

Marker 3 [T1]
18.87 dBm
1.726169872 GHz

Marker 1 [T1]
18.87 dBm
1.726169872 GHz

Marker 2 [T1]
18.87 dBm
1.726169872 GHz

D1 -13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
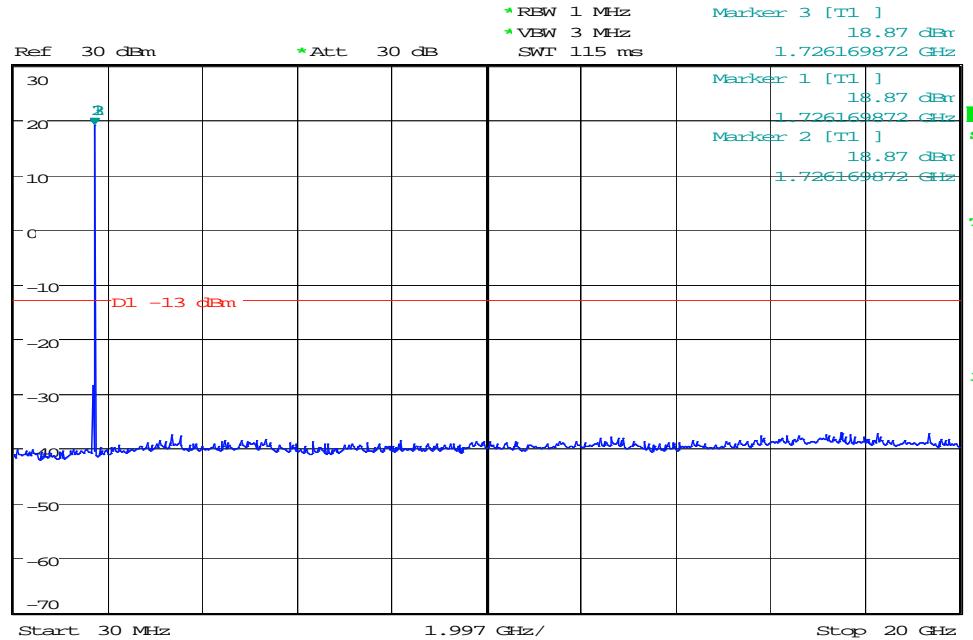
Date: 6.JUN.2016 18:12:06

Report No.: FCC16053699-4

BW10MHz-1715MHz,QPSK-50RB_LOW@Pass
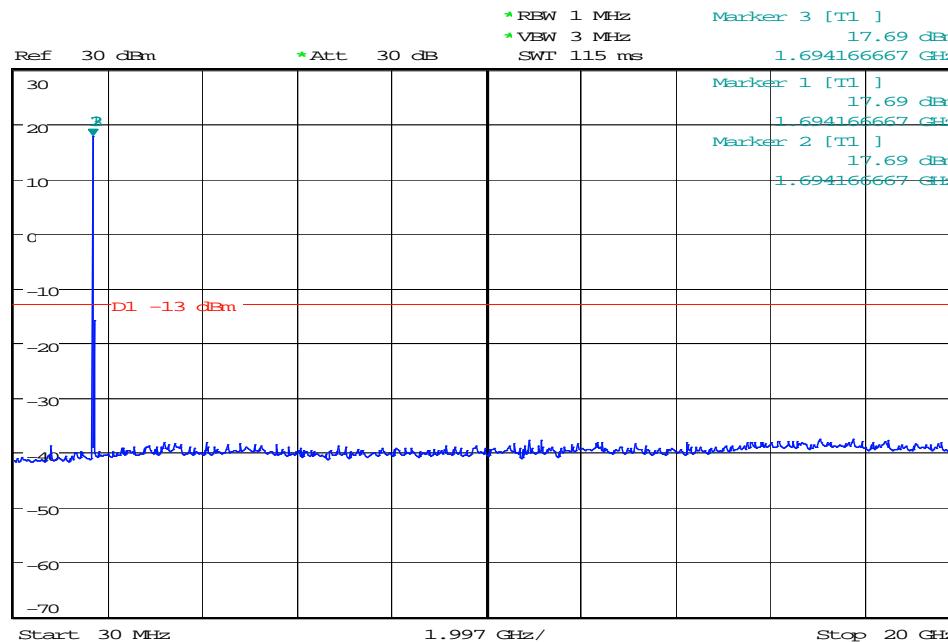
Date: 6.JUN.2016 18:13:24

BW10MHz-1715MHz,Q16-50RB_LOW@Pass
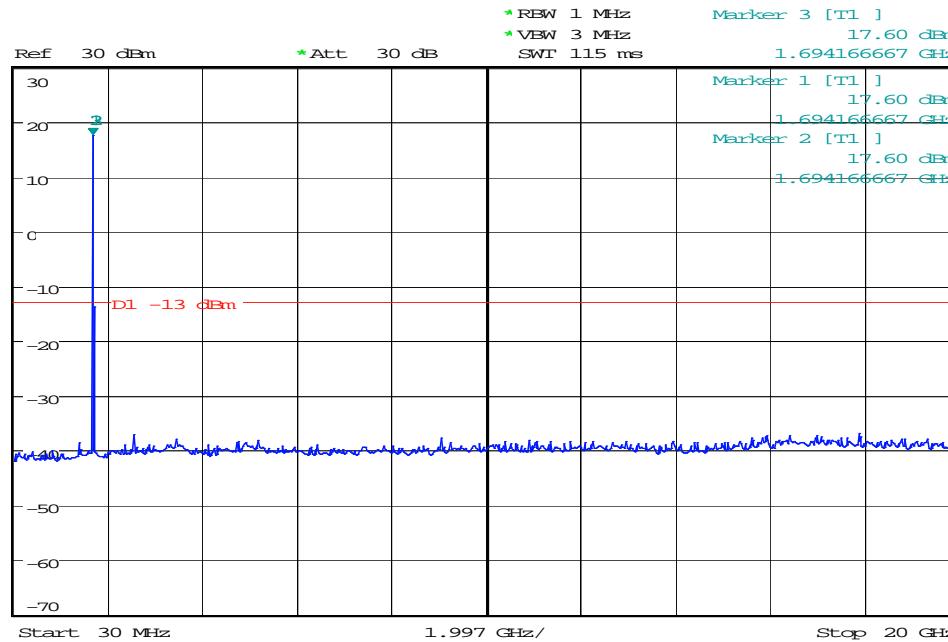
Date: 6.JUN.2016 18:14:48

Report No.: FCC16053699-4

BW10MHz-1750MHz,QPSK-50RB_LOW@Pass

★RBW 1 MHz	Marker 3 [T1]
★VBW 3 MHz	16.88 dBm
Ref 30 dBm ★Att 30 dB SWT 115 ms	1.726169872 GHz

Marker 1 [T1]
16.88 dBm
1.726169872 GHz
Marker 2 [T1]
16.88 dBm
1.726169872 GHz

1 RM
Maxh

D1 −13 dBm

A
SGL
TDF
3DB

Start 30 MHz   1.997 GHz/   Stop 20 GHz
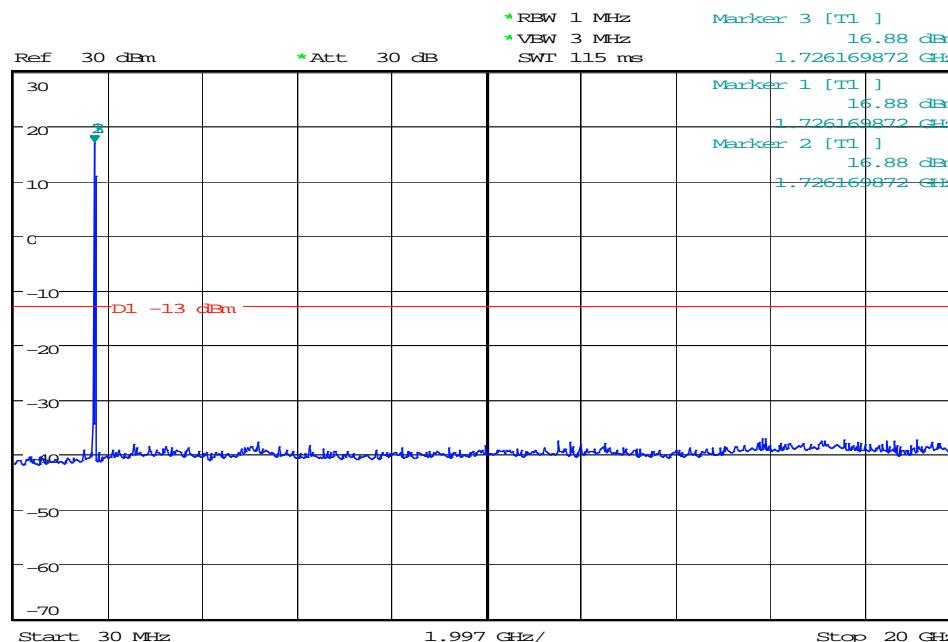
Date: 6.JUN.2016 18:16:02

BW10MHz-1750MHz,Q16-50RB_LOW@Pass

★RBW 1 MHz	Marker 3 [T1]
★VBW 3 MHz	17.16 dBm
Ref 30 dBm ★Att 30 dB SWT 115 ms	1.726169872 GHz

Marker 1 [T1]
17.16 dBm
1.726169872 GHz
Marker 2 [T1]
17.16 dBm
1.726169872 GHz

1 RM
Maxh

D1 −13 dBm

A
SGL
TDF
3DB

Start 30 MHz   1.997 GHz/   Stop 20 GHz
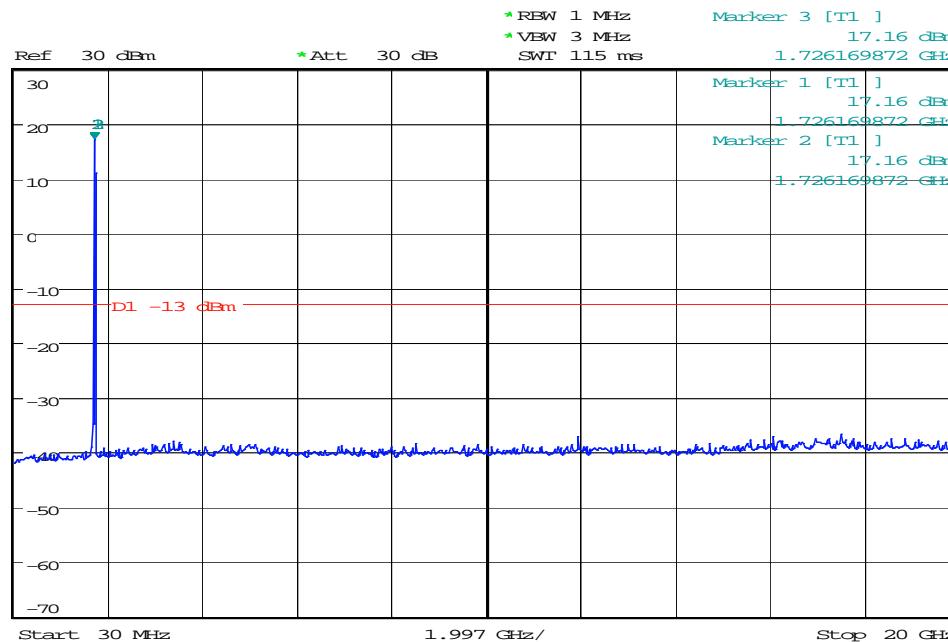
Date: 6.JUN.2016 18:17:12

Report No.: FCC16053699-4

BW10MHz-1732.5MHz,QPSK-50RB_LOW@Pass

★RBW 1 MHz	Marker 3 [T1]	
★VBW 3 MHz		17.43 dBm
SWT 115 ms		1.726169872 GHz

Ref 30 dBm   ★Att 30 dB

Marker 1 [T1]
17.43 dBm
1.726169872 GHz

Marker 2 [T1]
17.43 dBm
1.726169872 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
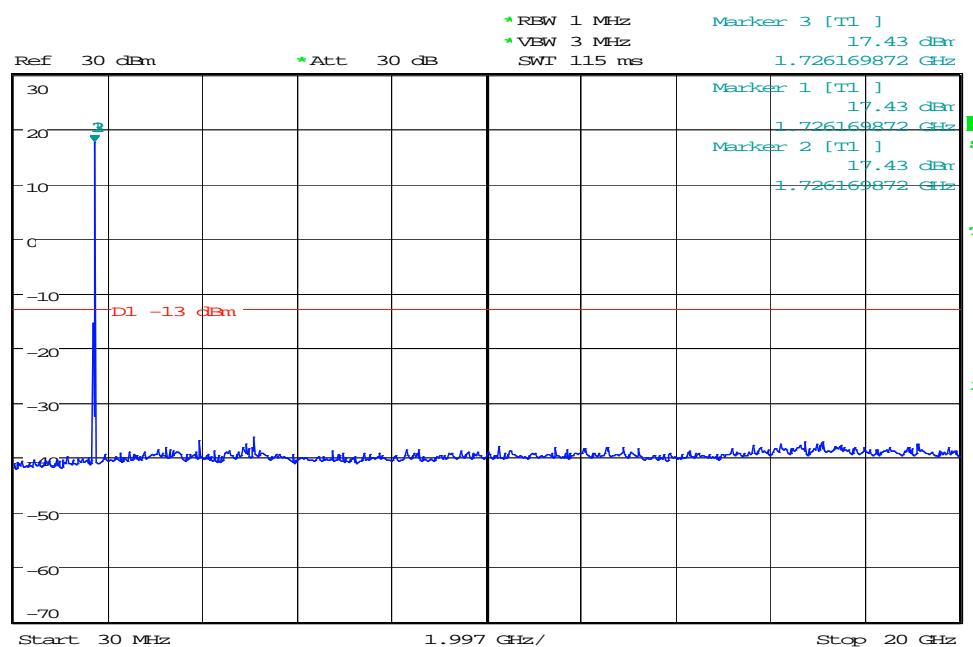
Date: 6.JUN.2016 18:17:57

BW10MHz-1732.5MHz,Q16-50RB_LOW@Pass

★RBW 1 MHz	Marker 3 [T1]	
★VBW 3 MHz		17.11 dBm
SWT 115 ms		1.726169872 GHz

Ref 30 dBm   ★Att 30 dB

Marker 1 [T1]
17.11 dBm
1.726169872 GHz

Marker 2 [T1]
17.11 dBm
1.726169872 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
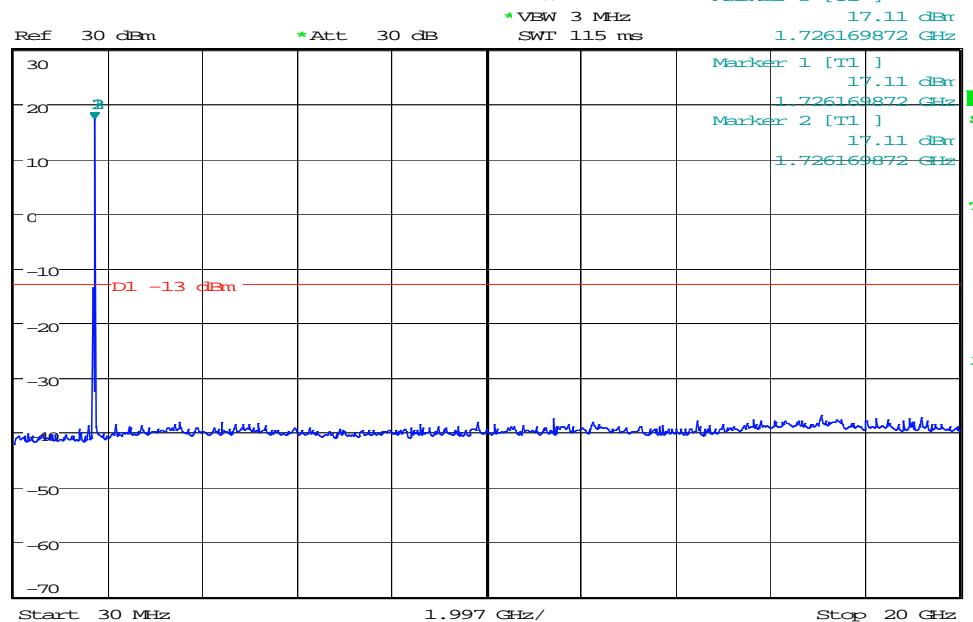
Date: 6.JUN.2016 18:18:34

Report No.: FCC16053699-4

BW15MHz-1717.5MHz,QPSK-75RB_LOW@Pass
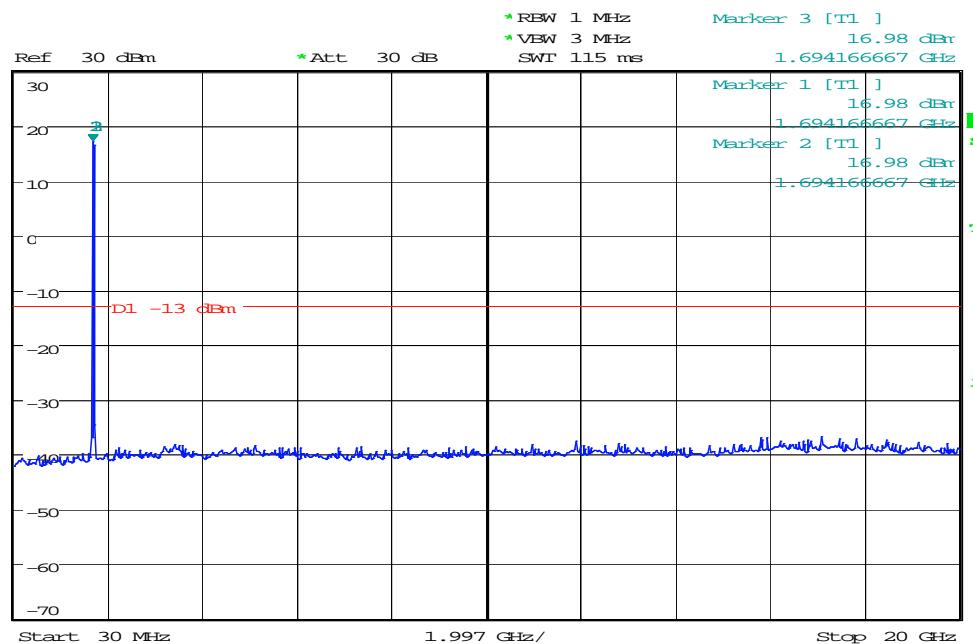
Date: 6.JUN.2016 18:19:41

BW15MHz-1717.5MHz,Q16-75RB_LOW@Pass

Date: 6.JUN.2016 18:20:54

Report No.: FCC16053699-4

BW15MHz-1747.5MHz,QPSK-75RB_LOW@Pass

Ref 30 dBm	*Att 30 dB

*RBW 1 MHz
*VBW 3 MHz
SWT 115 ms

Marker 3 [T1]
16.57 dBm
1.726169872 GHz

Marker 1 [T1]
16.57 dBm
1.726169872 GHz

Marker 2 [T1]
16.57 dBm
1.726169872 GHz

1 RX
MaxH

A
SGL
TDF
3DB

D1 -13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
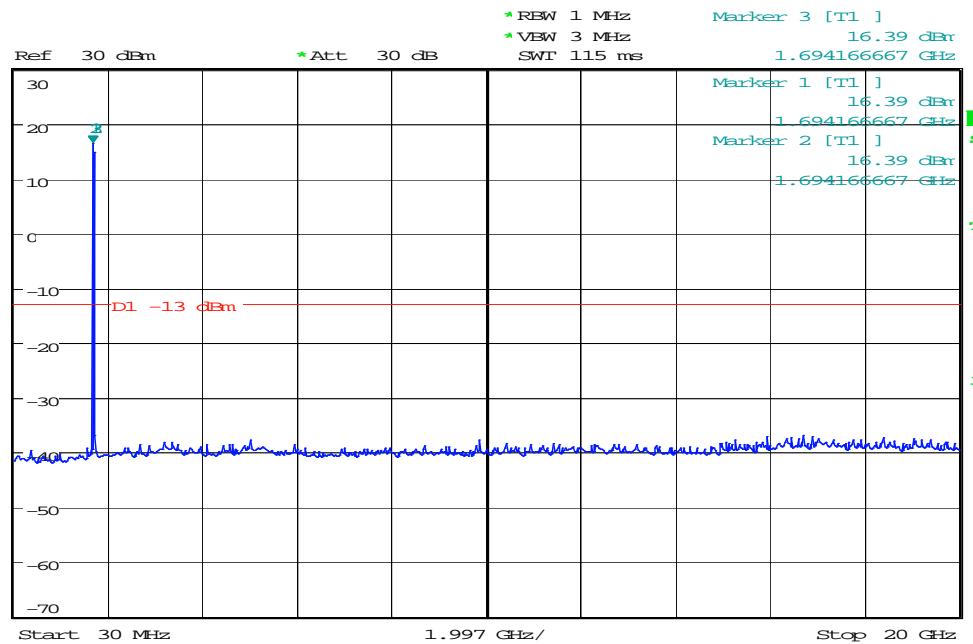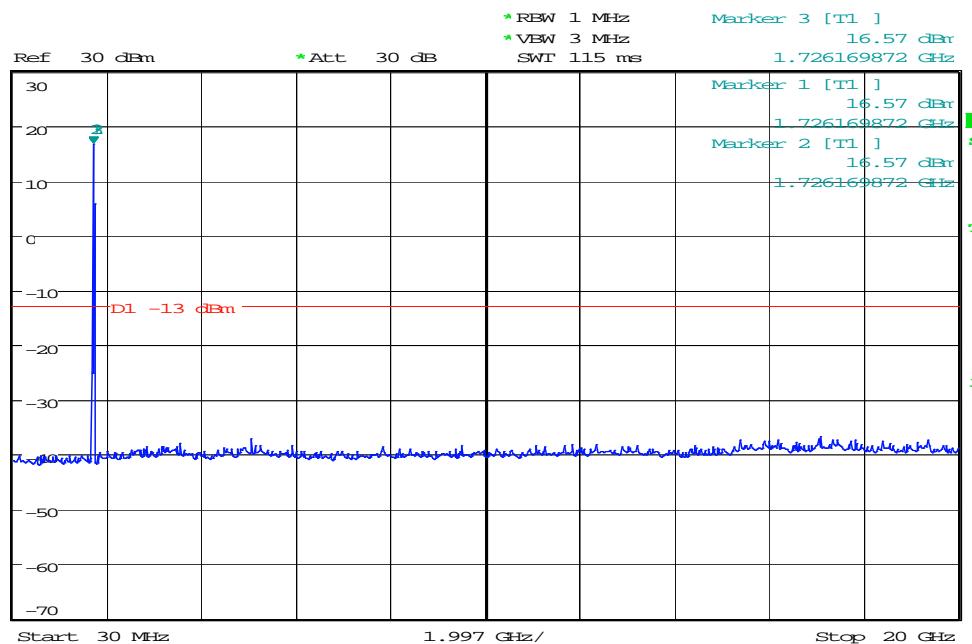
Date: 6.JUN.2016 18:22:07

BW15MHz-1747.5MHz,Q16-75RB_LOW@Pass

Ref 30 dBm	*Att 30 dB

*RBW 1 MHz
*VBW 3 MHz
SWT 115 ms

Marker 3 [T1]
15.71 dBm
1.726169872 GHz

Marker 1 [T1]
15.71 dBm
1.726169872 GHz

Marker 2 [T1]
15.71 dBm
1.726169872 GHz

1 RX
MaxH

A
SGL
TDF
3DB

D1 -13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
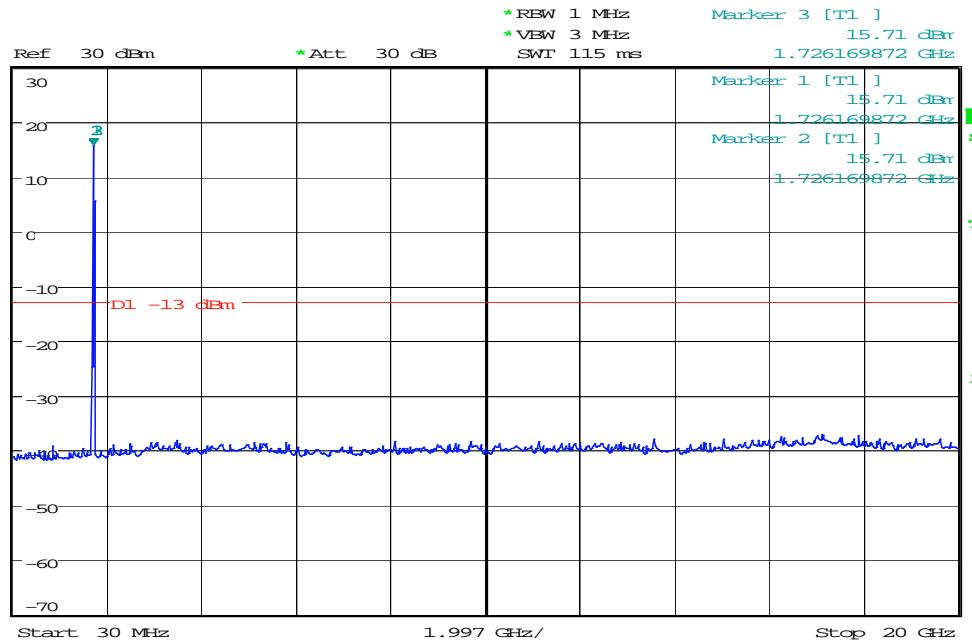
Date: 6.JUN.2016 18:23:07

Report No.: FCC16053699-4

BW15MHz-1732.5MHz,QPSK-75RB_LOW@Pass

	★RBW 1 MHz	Marker 3 [T1]
	★VBW 3 MHz	16.23 dBm
Ref 30 dBm	★Att 30 dB SWT 115 ms	1.726169872 GHz

Marker 1 [T1]
16.23 dBm
1.726169872 GHz
Marker 2 [T1]
16.23 dBm
1.726169872 GHz

D1 -13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
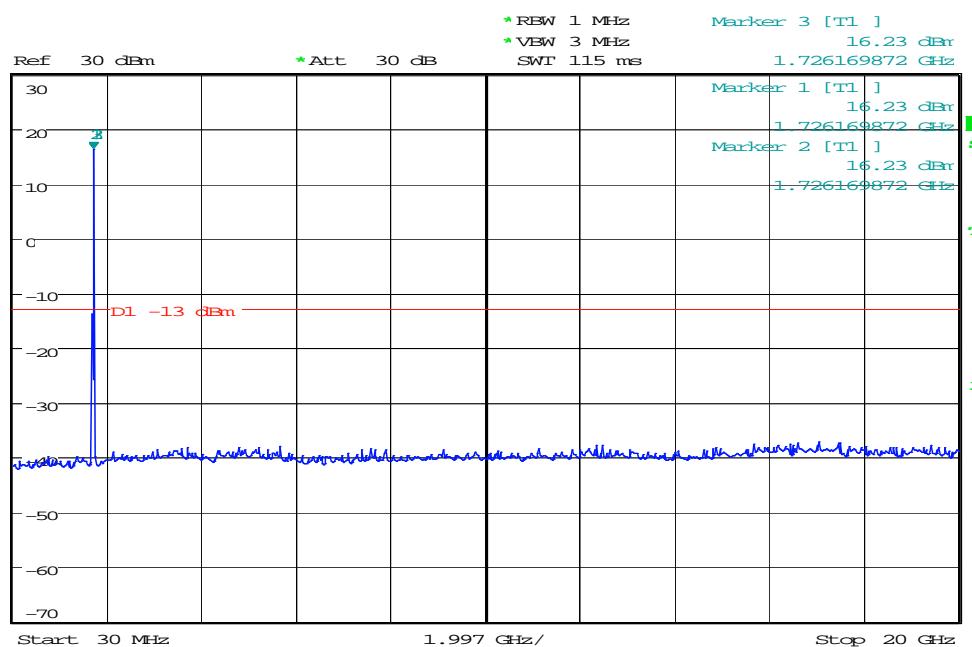
Date: 6.JUN.2016 18:23:44

BW15MHz-1732.5MHz,Q16-75RB_LOW@Pass

	★RBW 1 MHz	Marker 3 [T1]
	★VBW 3 MHz	15.96 dBm
Ref 30 dBm	★Att 30 dB SWT 115 ms	1.726169872 GHz

Marker 1 [T1]
15.96 dBm
1.726169872 GHz
Marker 2 [T1]
15.96 dBm
1.726169872 GHz

D1 -13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz

Date: 6.JUN.2016 18:24:17

Report No.: FCC16053699-4

BW20MHz-1720MHz,QPSK-100RB_LOW @Pass

```
                                          *RBW  1 MHz        Marker 3 [T1 ]
                                          *VBW  3 MHz                      16.33 dBm
Ref   30 dBm              *Att  30 dB     SWT  115 ms               1.726169872 GHz
                                                             Marker 1 [T1 ]
  30                                                                16.33 dBm
                                                             1.726169872 GHz       A
  20    B                                                                          SGL
  10                                                         Marker 2 [T1 ]
                                                                    16.33 dBm
   0                                                         1.726169872 GHz       TDF
 -10    D1 -13 dBm
 -20                                                                               3DB
 -30
 -40
 -50
 -60
 -70
Start  30 MHz                    1.997 GHz/              Stop  20 GHz
```

Date: 6.JUN.2016 18:25:15

BW20MHz-1720MHz,Q16-100RB_LOW @Pass

```
                                          *RBW  1 MHz        Marker 3 [T1 ]
                                          *VBW  3 MHz                      14.57 dBm
Ref   30 dBm              *Att  30 dB     SWT  115 ms               1.694166667 GHz
                                                             Marker 1 [T1 ]
  30                                                                14.57 dBm
                                                             1.694166667 GHz       A
  20    B                                                                          SGL
  10                                                         Marker 2 [T1 ]
                                                                    14.57 dBm
   0                                                         1.694166667 GHz       TDF
 -10    D1 -13 dBm
 -20                                                                               3DB
 -30
 -40
 -50
 -60
 -70
Start  30 MHz                    1.997 GHz/              Stop  20 GHz
```

Date: 6.JUN.2016 18:26:16

Report No.: FCC16053699-4

BW20MHz-1745MHz,QPSK-100RB_LOW@Pass

		*RBW 1 MHz	Marker 3 [T1]
		*VBW 3 MHz	15.24 dBm
Ref 30 dBm	*Att 30 dB	SWT 115 ms	1.726169872 GHz

Marker 1 [T1]
15.24 dBm
1.726169872 GHz

Marker 2 [T1]
15.24 dBm
1.726169872 GHz

1 RX
Maxh

A
SGL
TDF
3DB

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
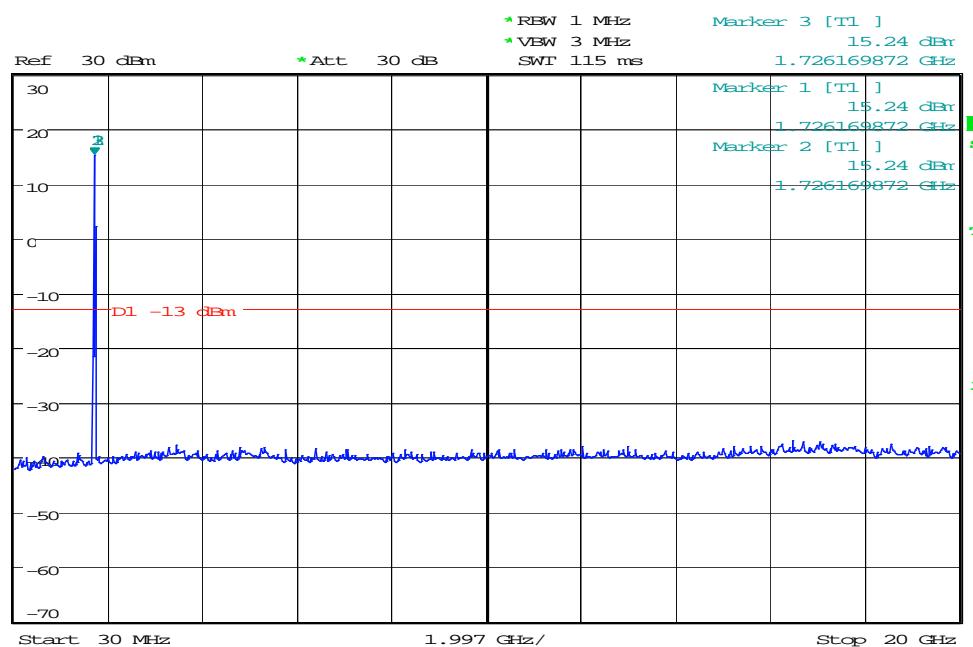
Date: 6.JUN.2016 18:27:11

BW20MHz-1745MHz,Q16-100RB_LOW@Pass

		*RBW 1 MHz	Marker 3 [T1]
		*VBW 3 MHz	15.04 dBm
Ref 30 dBm	*Att 30 dB	SWT 115 ms	1.726169872 GHz

Marker 1 [T1]
15.04 dBm
1.726169872 GHz

Marker 2 [T1]
15.04 dBm
1.726169872 GHz

1 RX
Maxh

A
SGL
TDF
3DB

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
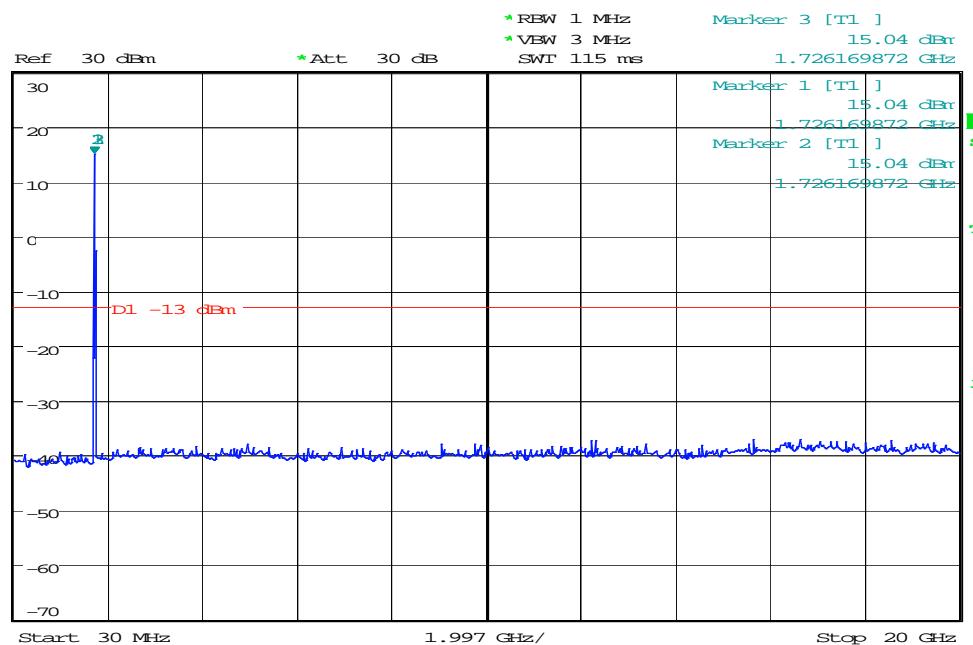
Date: 6.JUN.2016 18:28:13

Report No.: FCC16053699-4

BW20MHz-1732.5MHz,QPSK-100RB_LOW@Pass
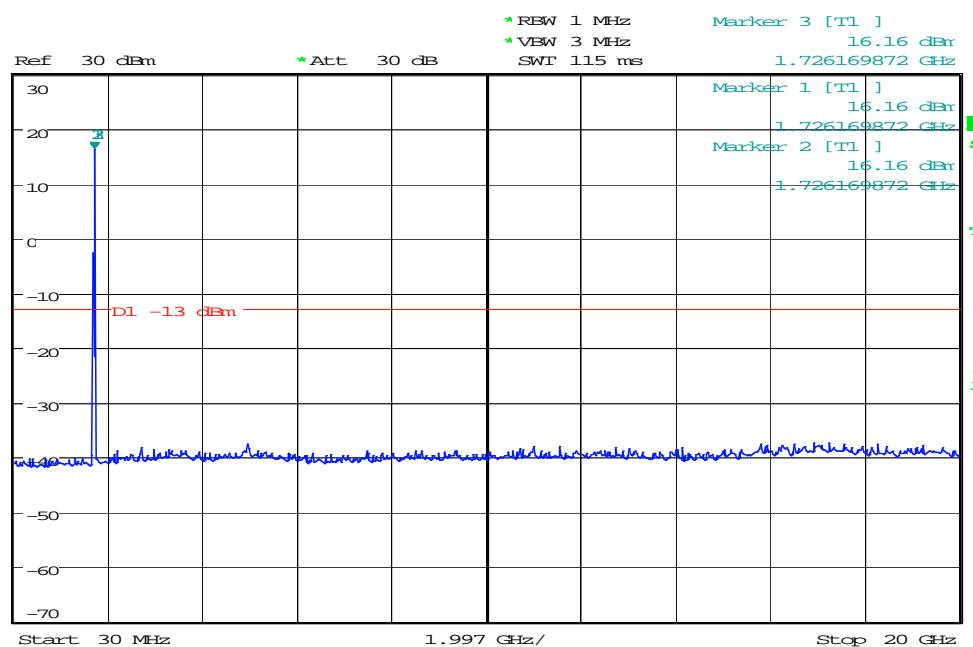
Date: 6.JUN.2016 18:28:50

BW20MHz-1732.5MHz,Q16-100RB_LOW@Pass
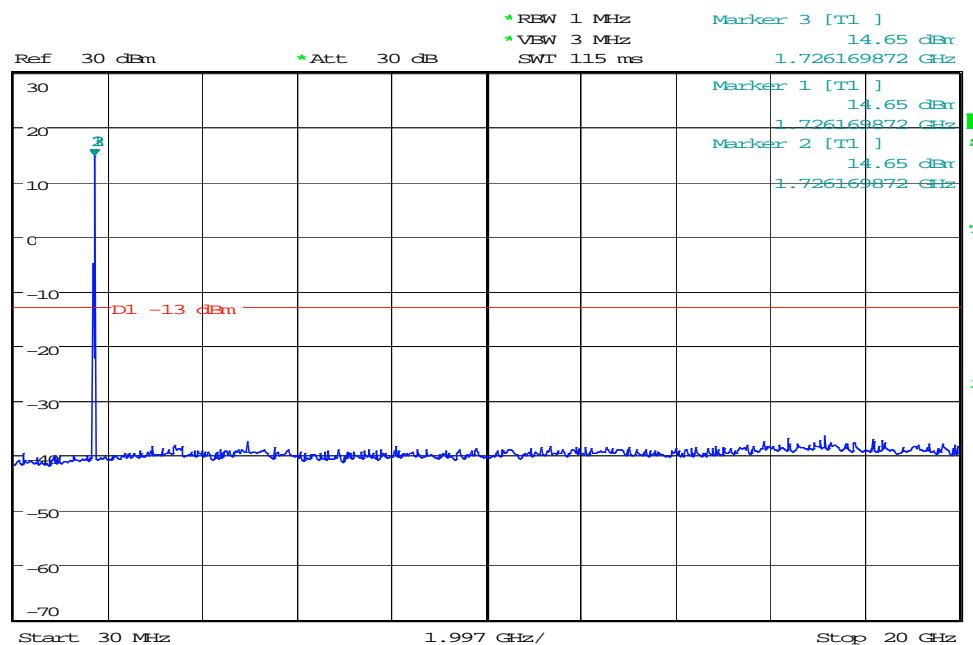
Date: 6.JUN.2016 18:29:22

Report No.: FCC16053699-4

BAND 7@Conducted Spurious Emission

BW5MHz-2502.5MHz,QPSK-25RB_LOW@Pass
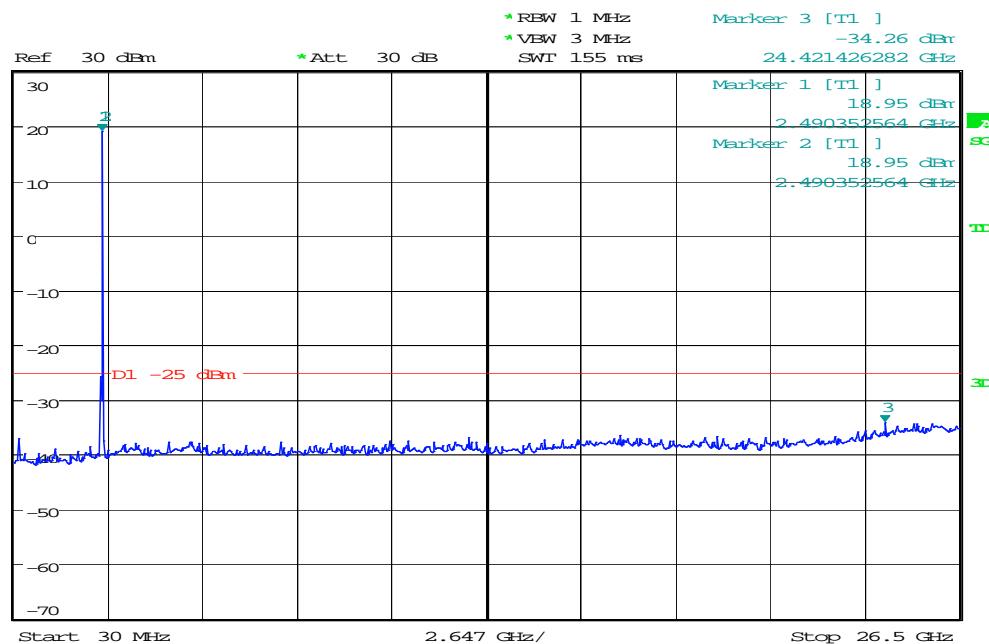
Date: 16.JUN.2016 14:13:16

BW5MHz-2502.5MHz,Q16-25RB_LOW@Pass
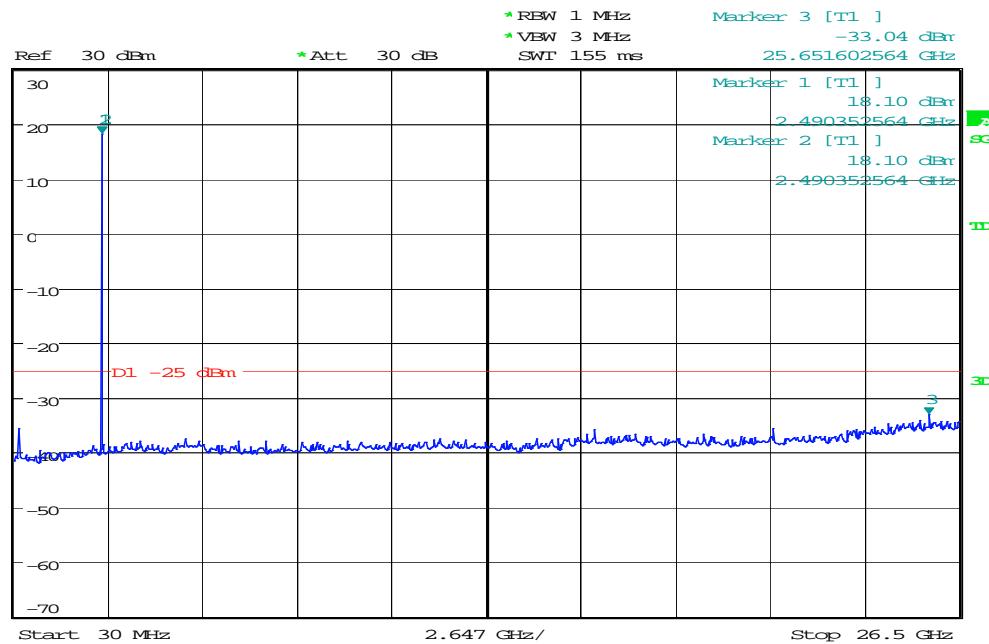
Date: 16.JUN.2016 14:13:32

BW5MHz-2567.5MHz,QPSK-25RB_LOW@Pass

	*RBW 1 MHz	Marker 3 [T1]
	*VBW 3 MHz	−33.79 dBm
Ref 30 dBm	*Att 30 dB SWT 155 ms	26.500000000 GHz

Marker 1 [T1]
18.74 dBm
2.532772436 GHz
Marker 2 [T1]
18.74 dBm
2.532772436 GHz

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
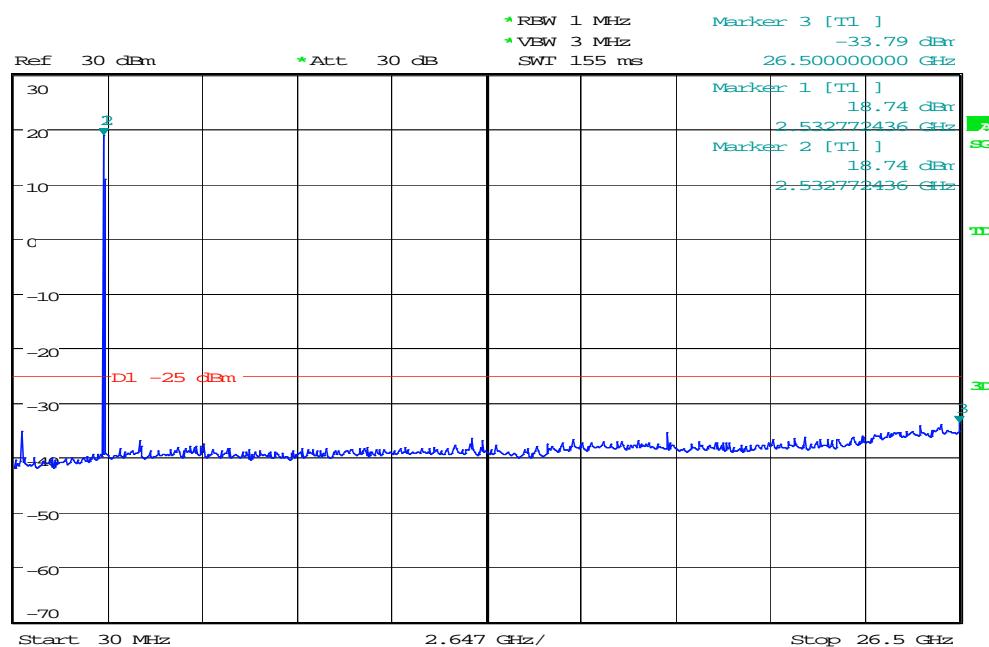
Date: 16.JUN.2016 14:13:49

BW5MHz-2567.5MHz,Q16-25RB_LOW@Pass

	*RBW 1 MHz	Marker 3 [T1]
	*VBW 3 MHz	−33.27 dBm
Ref 30 dBm	*Att 30 dB SWT 155 ms	25.906121795 GHz

Marker 1 [T1]
19.36 dBm
2.532772436 GHz
Marker 2 [T1]
19.36 dBm
2.532772436 GHz

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
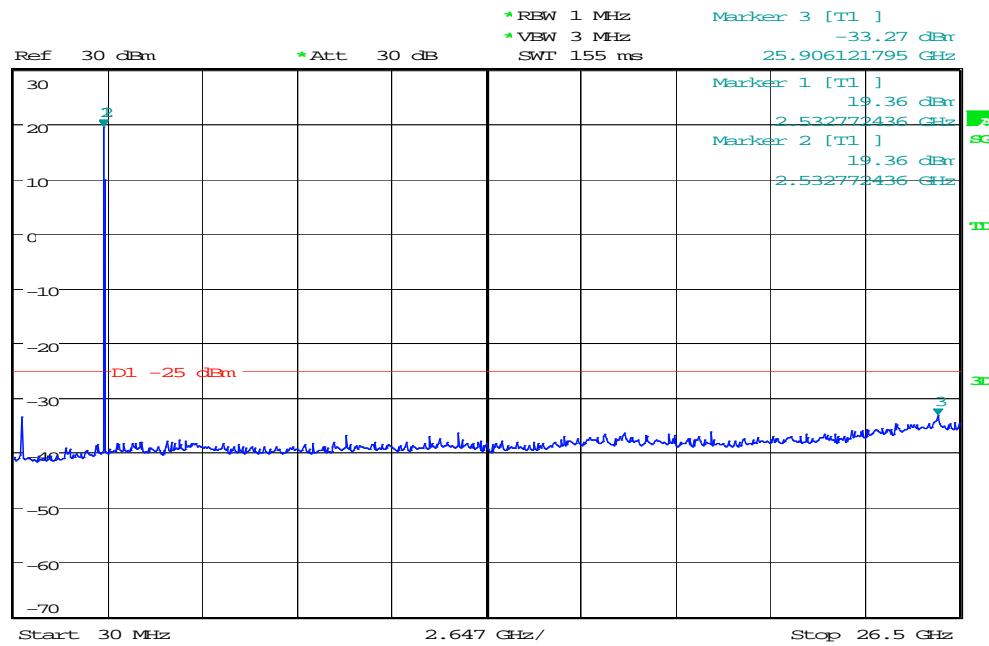
Date: 16.JUN.2016 14:14:06

Report No.: FCC16053699-4

BW5MHz-2535MHz,QPSK-25RB_LOW@Pass

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	−33.79 dBm
Ref 30 dBm	*Att 30 dB	SWT 155 ms	26.118221154 GHz

Marker 1 [T1]
19.34 dBm
2.532772436 GHz
Marker 2 [T1]
19.34 dBm
2.532772436 GHz

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
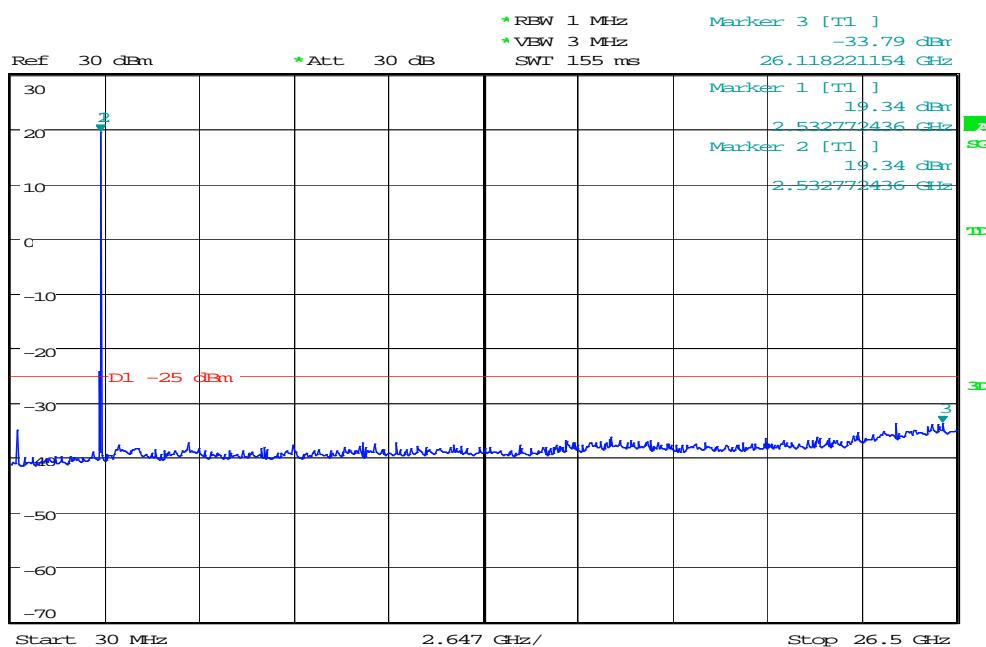
Date: 16.JUN.2016 14:14:40

BW10MHz-2505MHz,QPSK-50RB_LOW@Pass

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	−33.46 dBm
Ref 30 dBm	*Att 30 dB	SWT 155 ms	25.015304487 GHz

Marker 1 [T1]
17.05 dBm
2.490352564 GHz
Marker 2 [T1]
17.05 dBm
2.490352564 GHz

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
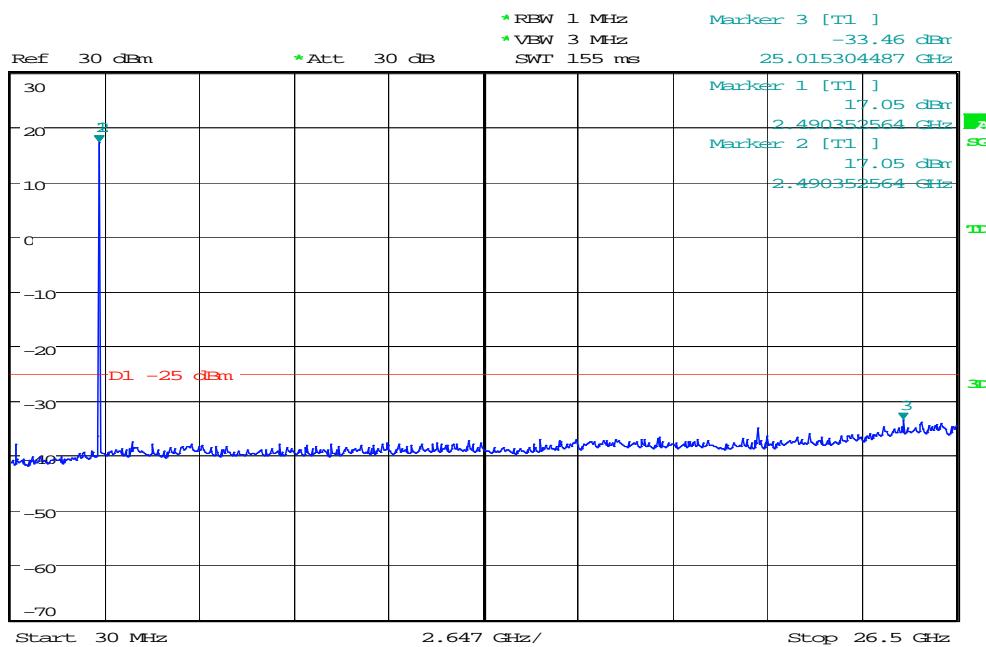
Date: 16.JUN.2016 14:15:00

Report No.: FCC16053699-4

BW10MHz-2505MHz,Q16-50RB_LOW @Pass
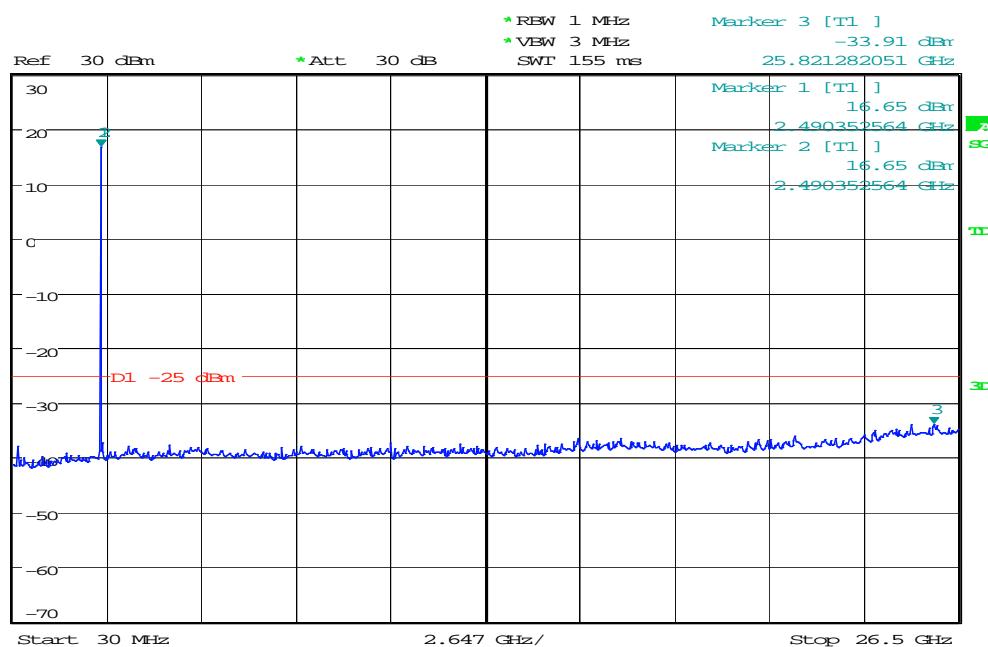
Date: 16.JUN.2016 14:15:17

BW10MHz-2565MHz,QPSK-50RB_LOW @Pass
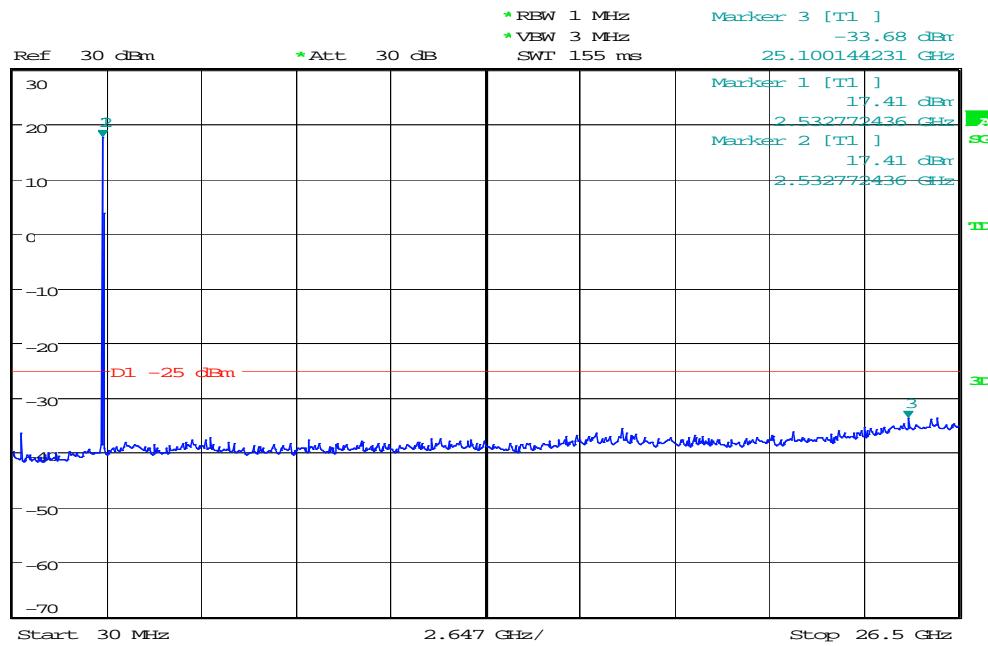
Date: 16.JUN.2016 14:15:34

Report No.: FCC16053699-4

BW10MHz-2565MHz,Q16-50RB_LOW@Pass

	⋆RBW 1 MHz	Marker 3 [T1]
	⋆VBW 3 MHz	−33.72 dBm
Ref 30 dBm ⋆Att 30 dB	SWT 155 ms	26.500000000 GHz

```
Marker 1 [T1 ]
16.70 dBm
2.532772436 GHz
Marker 2 [T1 ]
16.70 dBm
2.532772436 GHz
```

A
SGL
TDF
3DB

1 RX
Maxt

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
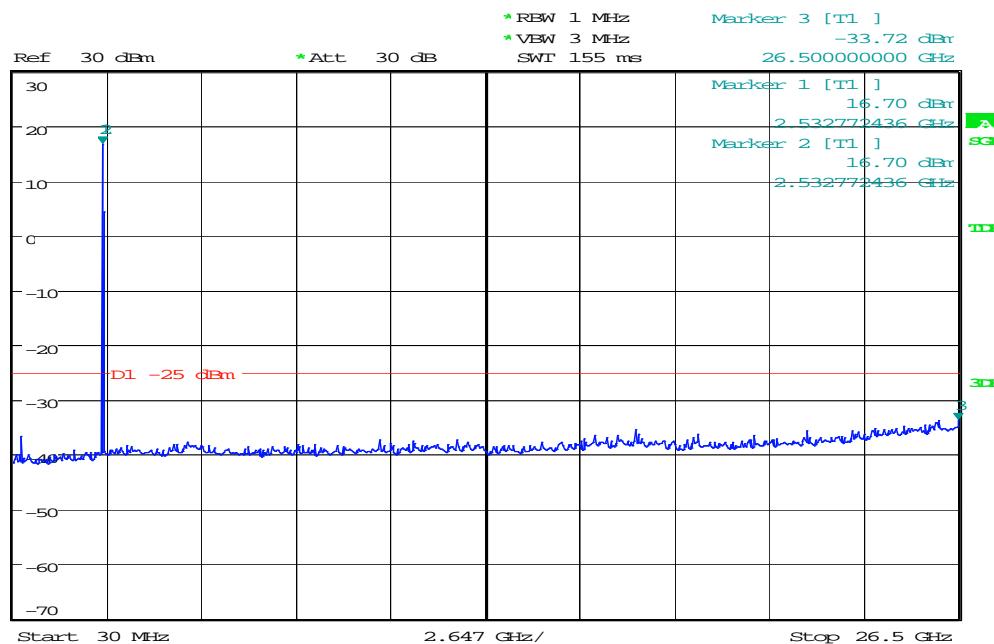
Date: 16.JUN.2016 14:15:53

BW10MHz-2535MHz,QPSK-50RB_LOW@Pass

	⋆RBW 1 MHz	Marker 3 [T1]
	⋆VBW 3 MHz	−33.39 dBm
Ref 30 dBm ⋆Att 30 dB	SWT 155 ms	25.100144231 GHz

```
Marker 1 [T1 ]
17.87 dBm
2.532772436 GHz
Marker 2 [T1 ]
17.87 dBm
2.532772436 GHz
```

A
SGL
TDF
3DB

1 RX
Maxt

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
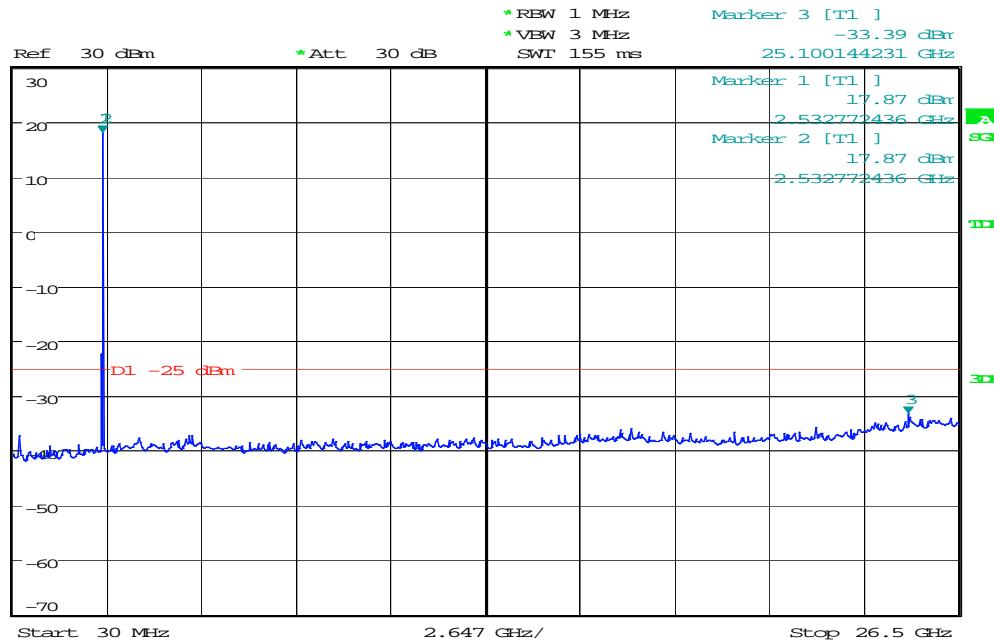
Date: 16.JUN.2016 14:16:10

Report No.: FCC16053699-4

BW10MHz-2535MHz,Q16-50RB_LOW@Pass
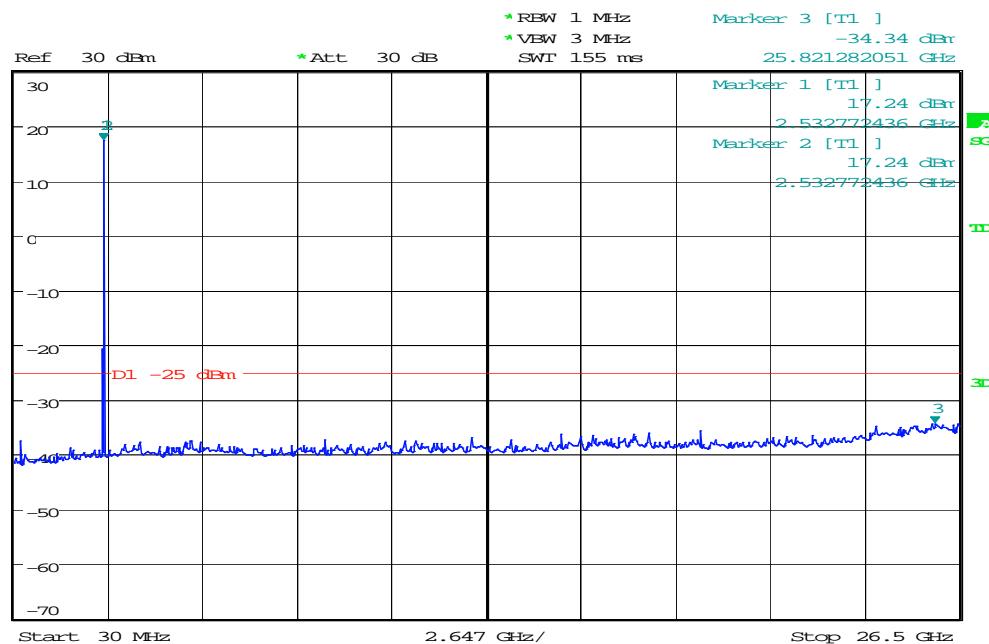
Date: 16.JUN.2016 14:16:27

BW15MHz-2507.5MHz,QPSK-75RB_LOW@Pass
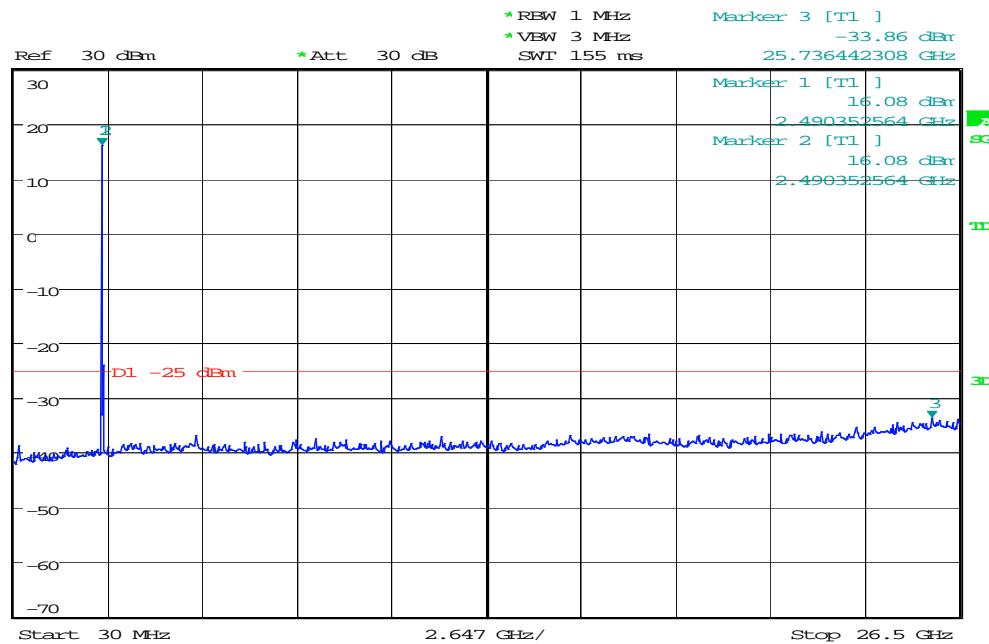
Date: 16.JUN.2016 14:16:48

Report No.: FCC16053699-4

BW15MHz-2507.5MHz,Q16-75RB_LOW@Pass
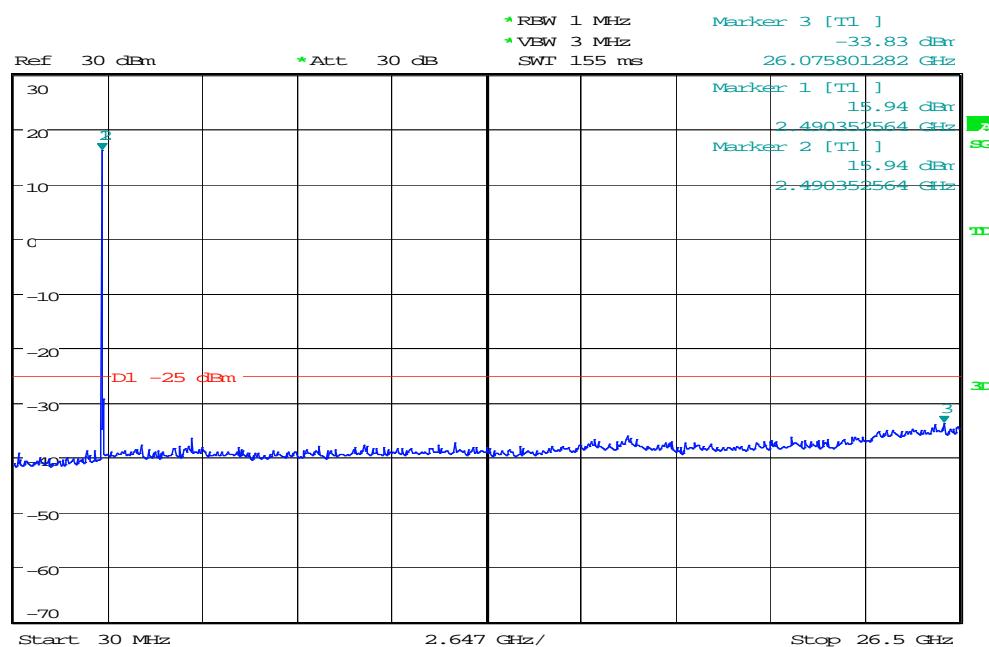
Date: 16.JUN.2016 14:17:06

BW15MHz-2562.5MHz,QPSK-75RB_LOW@Pass
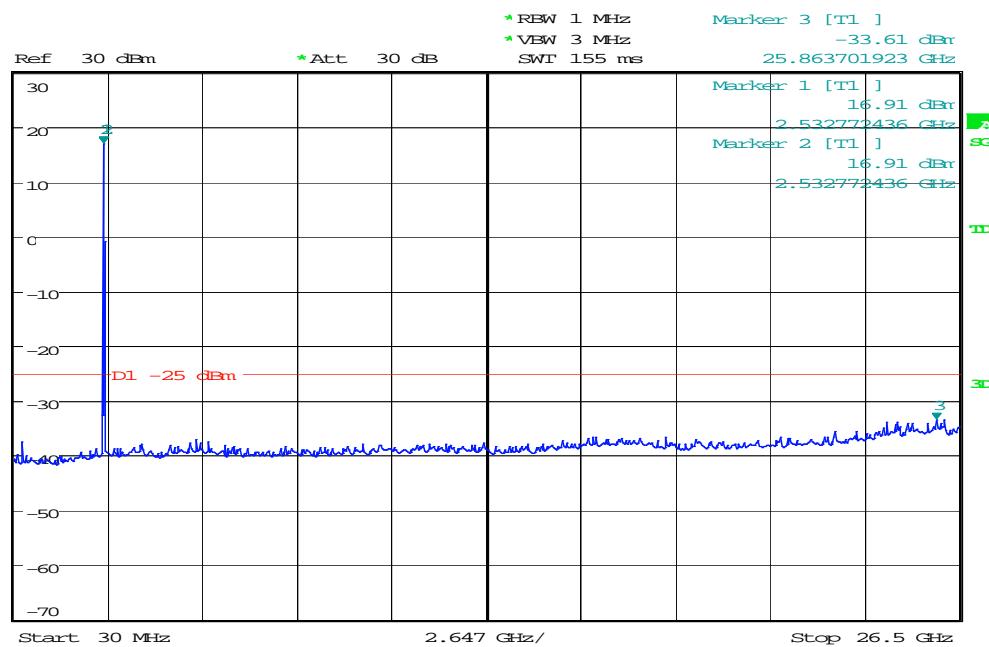
Date: 16.JUN.2016 14:17:24

Report No.: FCC16053699-4

BW15MHz-2562.5MHz,Q16-75RB_LOW@Pass

✱RBW 1 MHz	Marker 3 [T1]	
✱VBW 3 MHz	−33.43 dBm	
Ref 30 dBm ✱Att 30 dB SWT 155 ms	26.075801282 GHz	
	Marker 1 [T1]	
	15.62 dBm	
	2.532772436 GHz	
	Marker 2 [T1]	
	15.62 dBm	
	2.532772436 GHz	

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
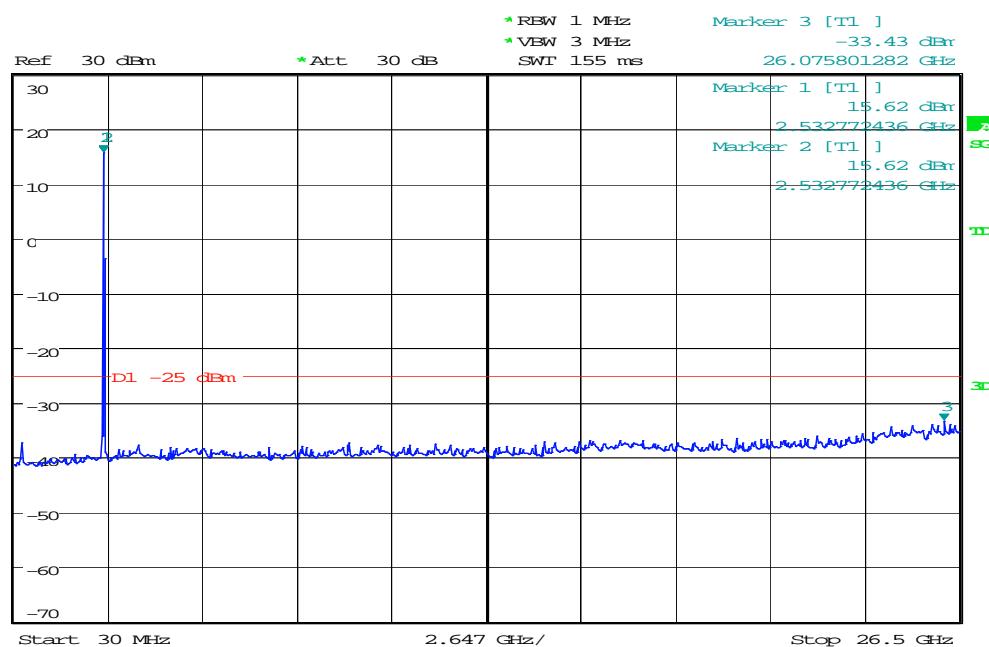
Date: 16.JUN.2016 14:17:42

BW15MHz-2535MHz,QPSK-75RB_LOW@Pass

✱RBW 1 MHz	Marker 3 [T1]	
✱VBW 3 MHz	−33.58 dBm	
Ref 30 dBm ✱Att 30 dB SWT 155 ms	25.821282051 GHz	
	Marker 1 [T1]	
	16.80 dBm	
	2.532772436 GHz	
	Marker 2 [T1]	
	16.80 dBm	
	2.532772436 GHz	

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
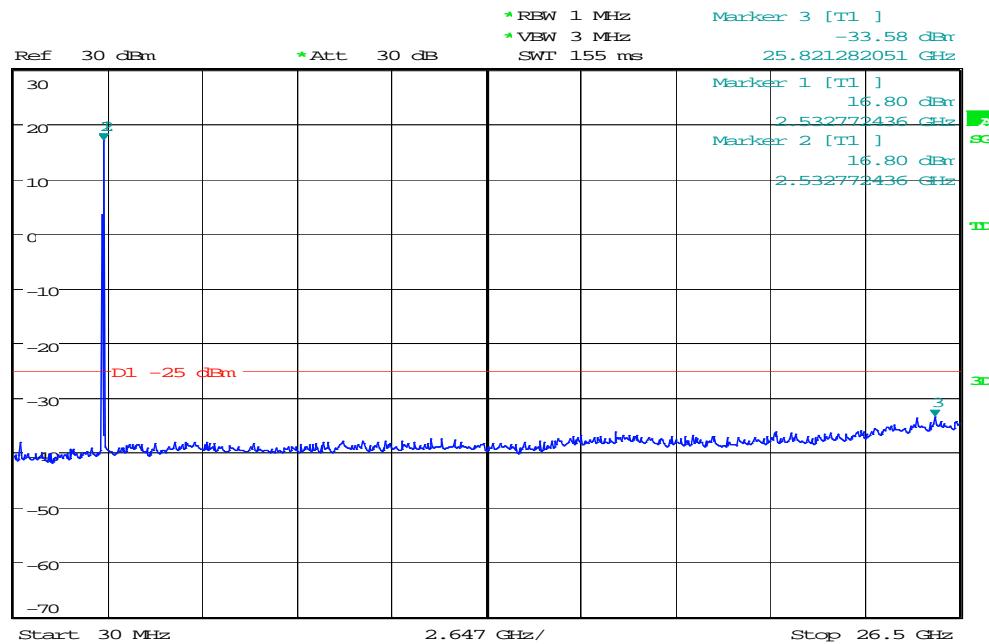
Date: 16.JUN.2016 14:18:00

Report No.: FCC16053699-4

BW15MHz-2535MHz,Q16-75RB_LOW @Pass

* RBW 1 MHz
* VBW 3 MHz
SWT 155 ms

Ref 30 dBm   *Att 30 dB

Marker 3 [T1]
−33.76 dBm
25.906121795 GHz

Marker 1 [T1]
16.01 dBm
2.532772436 GHz

Marker 2 [T1]
16.01 dBm
2.532772436 GHz

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
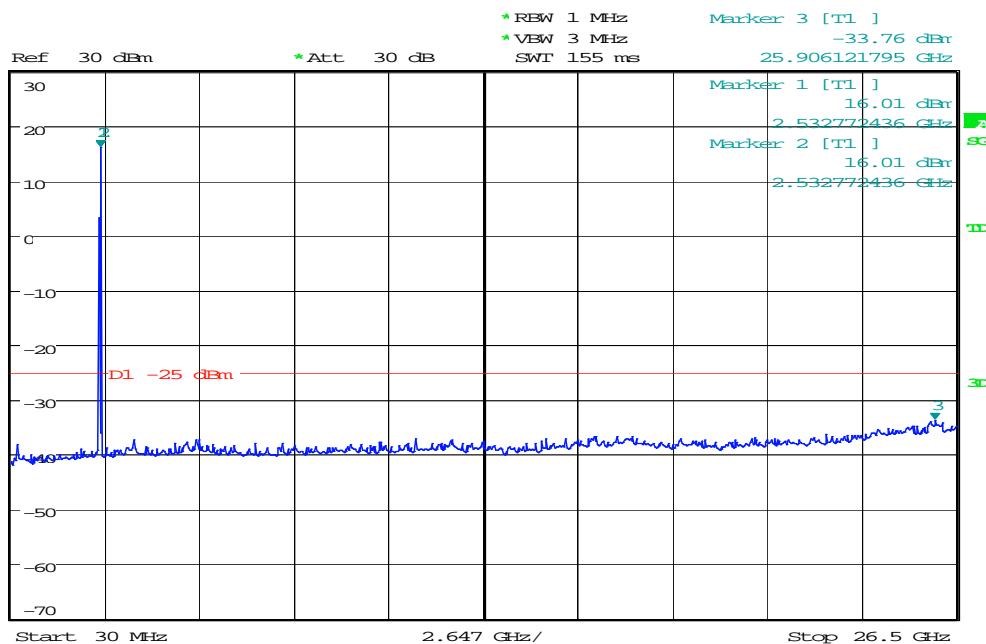
Date: 16.JUN.2016 14:18:18

BW20MHz-2510MHz,QPSK-100RB_LOW @Pass

* RBW 1 MHz
* VBW 3 MHz
SWT 155 ms

Ref 30 dBm   *Att 30 dB

Marker 3 [T1]
−33.25 dBm
25.990961538 GHz

Marker 1 [T1]
14.97 dBm
2.490352564 GHz

Marker 2 [T1]
14.97 dBm
2.490352564 GHz

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
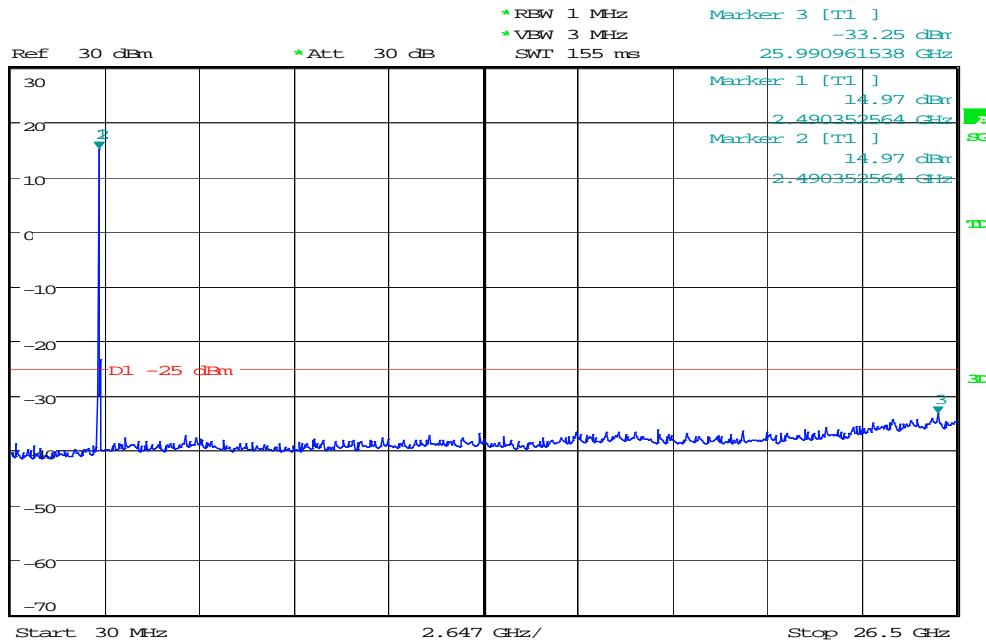
Date: 16.JUN.2016 14:18:39

Report No.: FCC16053699-4

BW20MHz-2510MHz,Q16-100RB_LOW@Pass

★RBW 1 MHz	Marker 3 [T1]
★VBW 3 MHz	−34.29 dBm
SWT 155 ms	25.821282051 GHz

Ref 30 dBm ★Att 30 dB

Marker 1 [T1]
14.37 dBm
2.490352564 GHz
Marker 2 [T1]
14.37 dBm
2.490352564 GHz

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz

Date: 16.JUN.2016 14:18:57

BW20MHz-2560MHz,QPSK-100RB_LOW@Pass

★RBW 1 MHz	Marker 3 [T1]
★VBW 3 MHz	−33.97 dBm
SWT 155 ms	25.990961538 GHz

Ref 30 dBm ★Att 30 dB

Marker 1 [T1]
14.76 dBm
2.532772436 GHz
Marker 2 [T1]
14.76 dBm
2.532772436 GHz

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
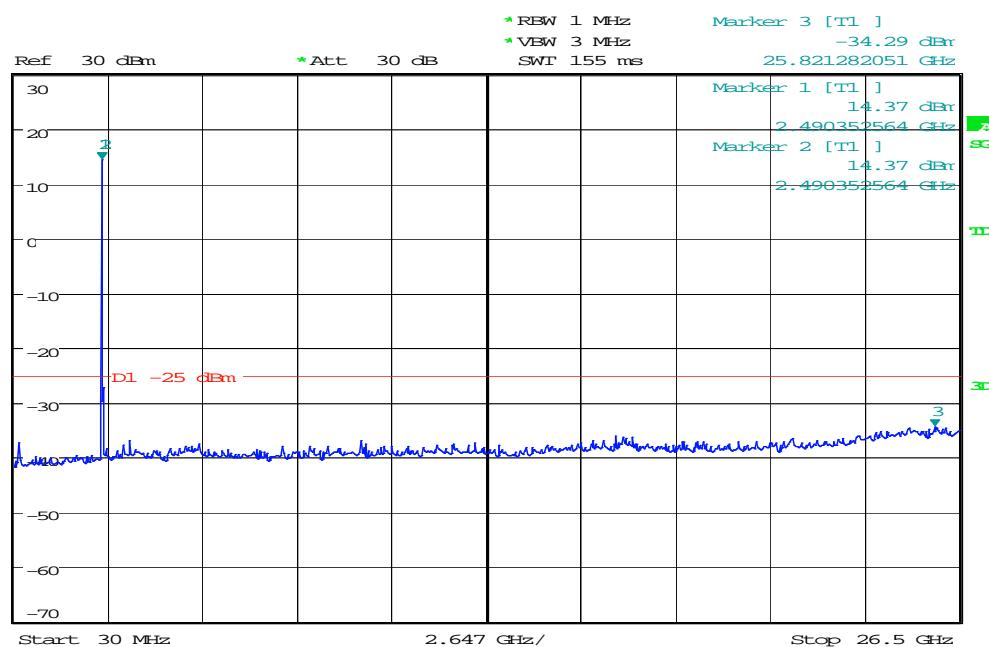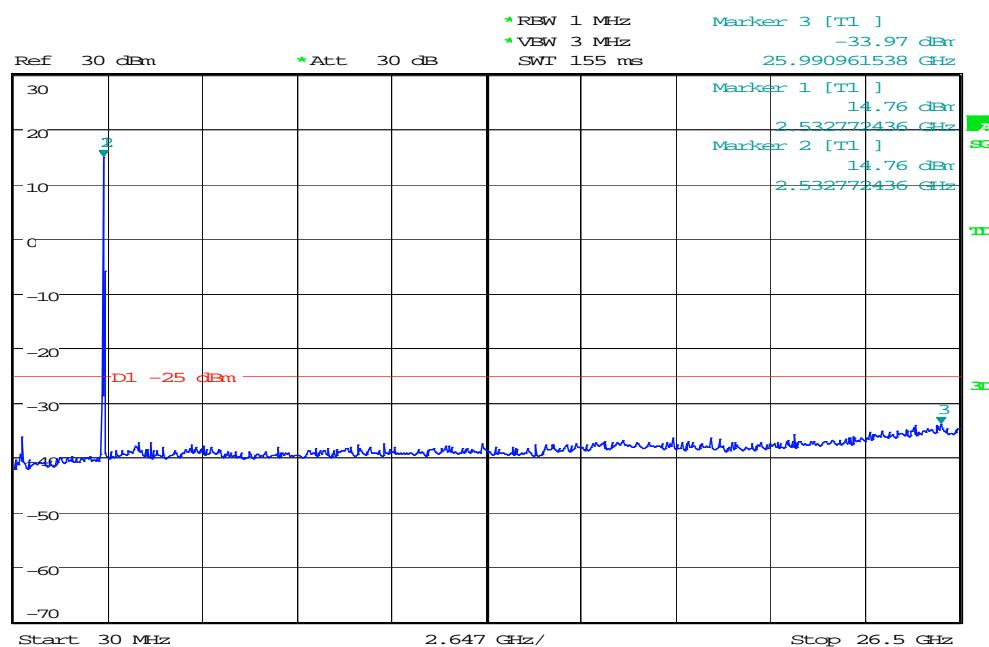
Date: 16.JUN.2016 14:19:16

Report No.: FCC16053699-4

BW20MHz-2560MHz,Q16-100RB_LOW@Pass

```
                                              *RBW  1 MHz        Marker 3 [T1 ]
                                              *VBW  3 MHz              -33.74 dBm
Ref    30 dBm              *Att  30 dB    SWT 155 ms        26.033381410 GHz
```

```
  30                                                    Marker 1 [T1 ]
                                                              14.68 dBm
  20    2                                               2.532772436 GHz
                                                        Marker 2 [T1 ]
  10                                                          14.68 dBm
                                                        2.532772436 GHz
   0

 -10

 -20
        D1 -25 dBm
 -30                                                                    3

 -40

 -50

 -60

 -70
Start  30 MHz                    2.647 GHz/              Stop  26.5 GHz
```
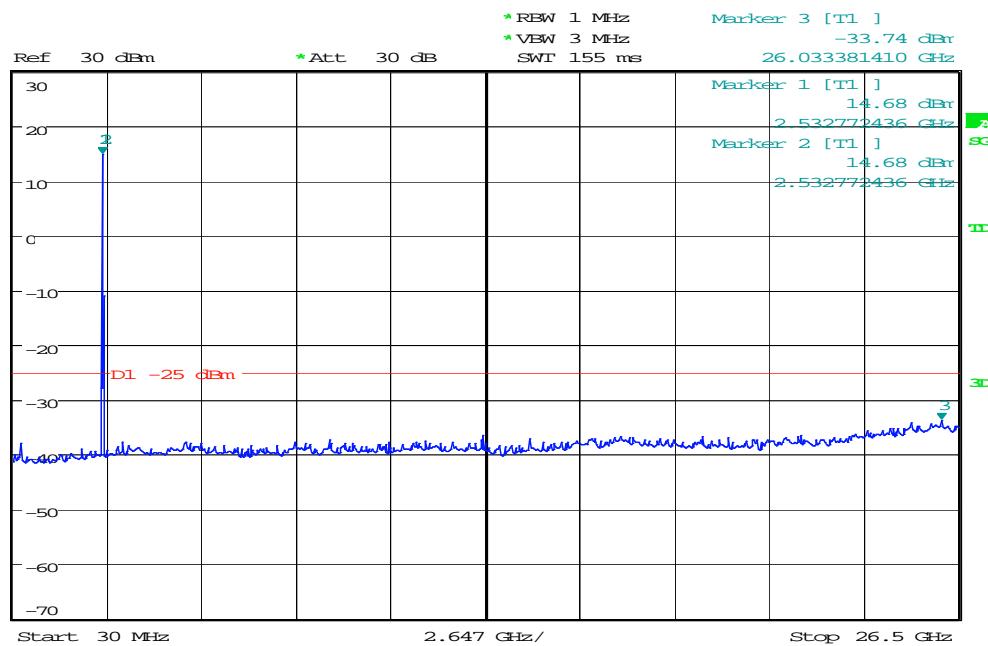
Date: 16.JUN.2016 14:19:34

BW20MHz-2535MHz,QPSK-100RB_LOW@Pass

```
                                              *RBW  1 MHz        Marker 3 [T1 ]
                                              *VBW  3 MHz              -33.99 dBm
Ref    30 dBm              *Att  30 dB    SWT 155 ms        26.160641026 GHz
```

```
  30                                                    Marker 1 [T1 ]
                                                              14.98 dBm
  20    2                                               2.532772436 GHz
                                                        Marker 2 [T1 ]
  10                                                          14.98 dBm
                                                        2.532772436 GHz
   0

 -10

 -20
        D1 -25 dBm
 -30                                                                    3

 -40

 -50

 -60

 -70
Start  30 MHz                    2.647 GHz/              Stop  26.5 GHz
```

Date: 16.JUN.2016 14:19:53

Report No.: FCC16053699-4

BW20MHz-2535MHz,Q16-100RB_LOW@Pass
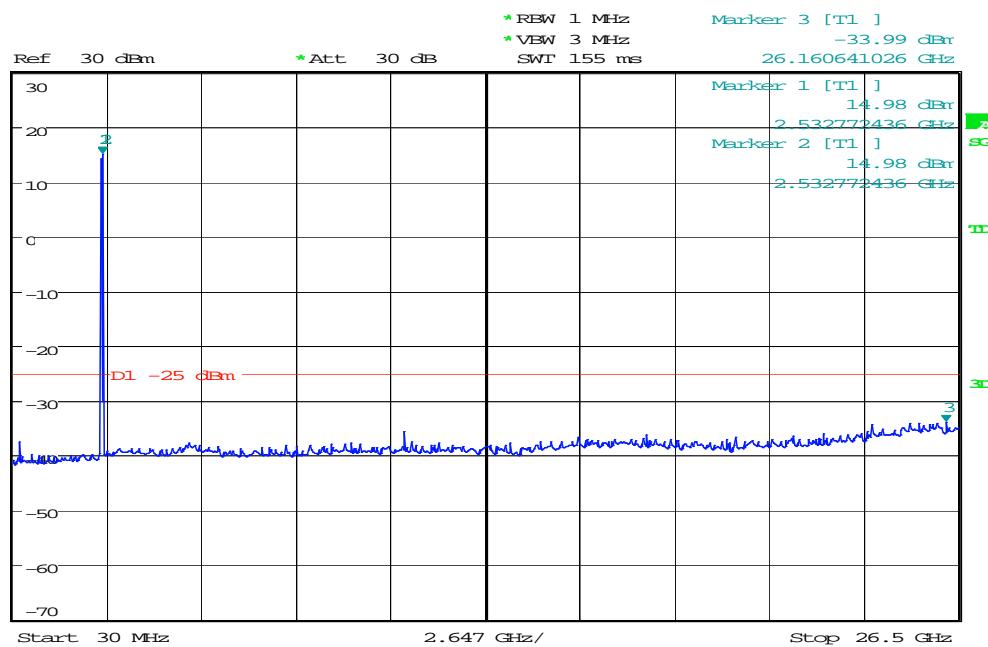
Date: 16.JUN.2016 14:20:11
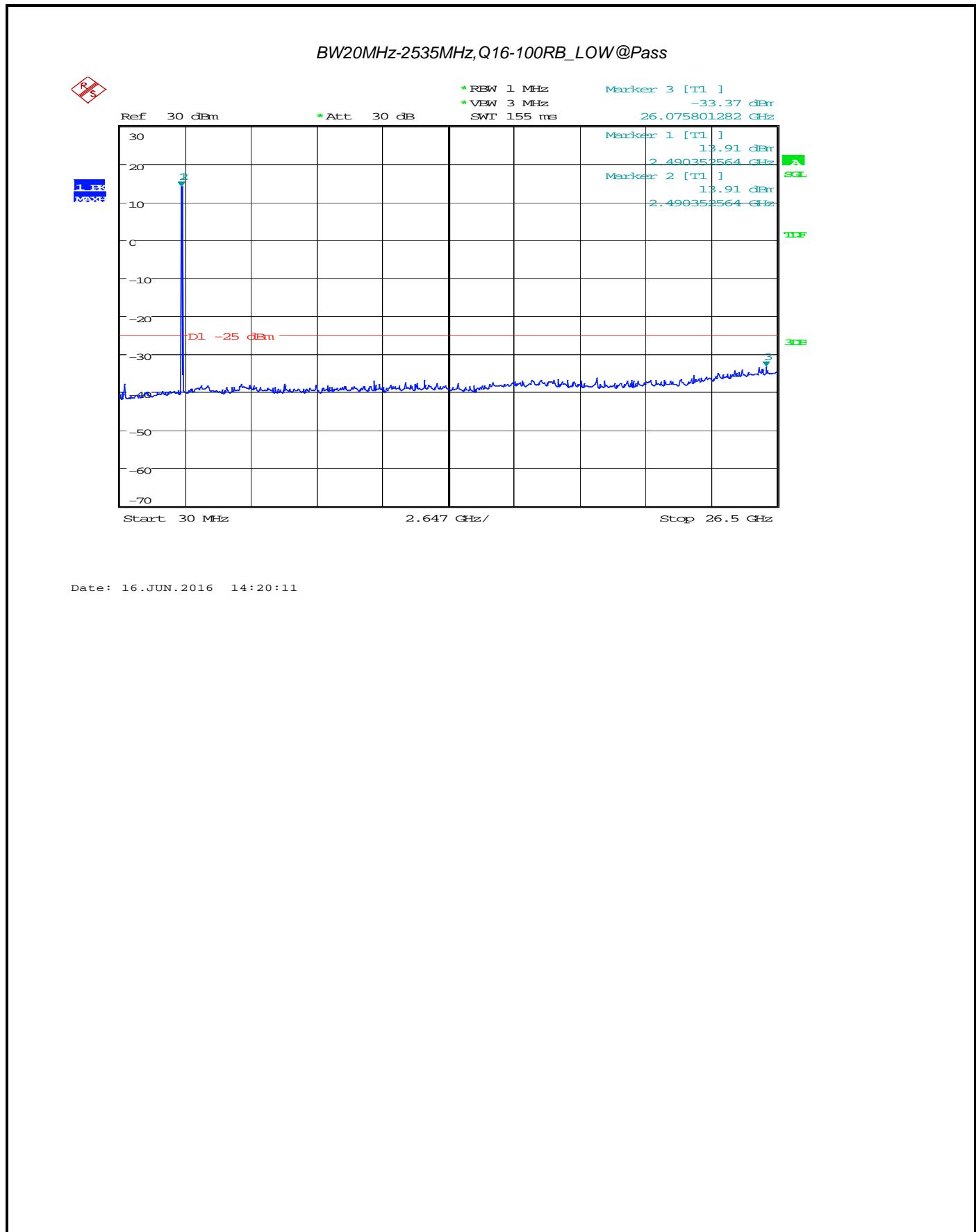
BAND 20@Conducted Spurious Emission

BW5MHz-834.5MHz,QPSK-25RB_LOW@Pass


```
                                    *RBW  1 MHz        Marker 3 [T1 ]
                                    *VBW  3 MHz                    16.32 dBm
Ref   30 dBm            *Att  30 dB  SWT 115 ms        830.080128205 MHz
                                                   Marker 1 [T1 ]
30                                                             16.32 dBm
20                                                 830.080128205 MHz
                                                   Marker 2 [T1 ]
10                                                            16.32 dBm
                                                   830.080128205 MHz
0

-10   D1 -13 dBm
-20

-30

-40

-50

-60

-70
Start  30 MHz              1.997 GHz/              Stop  20 GHz
```
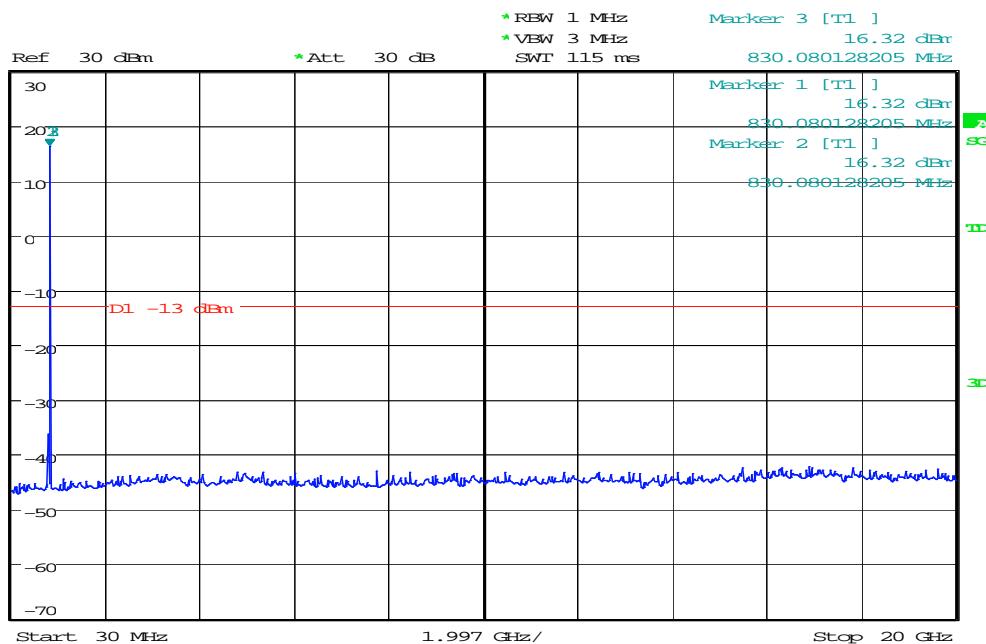
Date: 7.JUN.2016 10:53:01

BW5MHz-834.5MHz,Q16-25RB_LOW@Pass


```
                                    *RBW  1 MHz        Marker 3 [T1 ]
                                    *VBW  3 MHz                    16.23 dBm
Ref   30 dBm            *Att  30 dB  SWT 115 ms        830.080128205 MHz
                                                   Marker 1 [T1 ]
30                                                             16.23 dBm
20                                                 830.080128205 MHz
                                                   Marker 2 [T1 ]
10                                                            16.23 dBm
                                                   830.080128205 MHz
0

-10   D1 -13 dBm
-20

-30

-40

-50

-60

-70
Start  30 MHz              1.997 GHz/              Stop  20 GHz
```
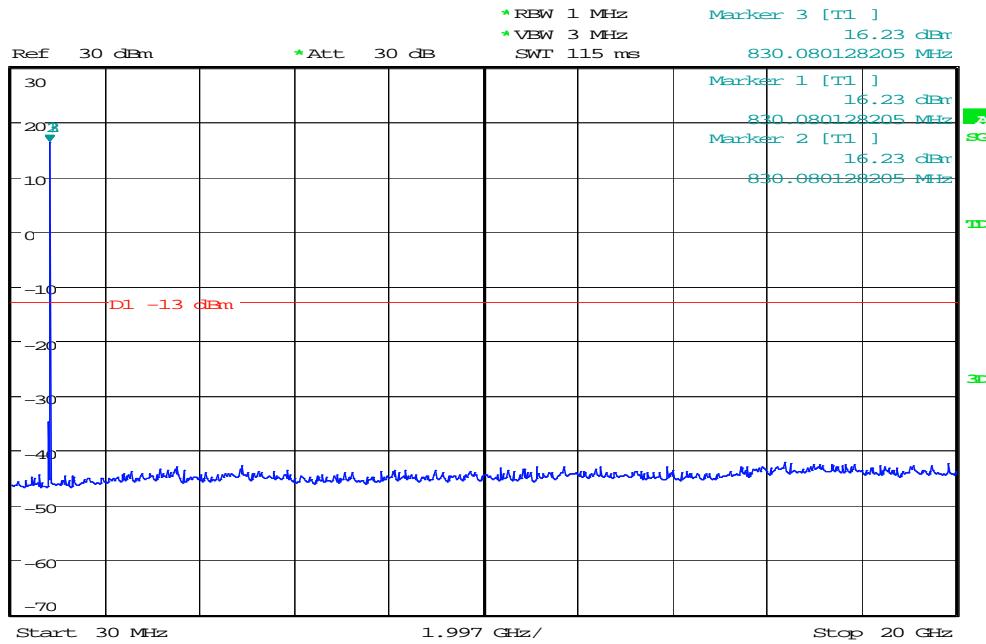
Date: 7.JUN.2016 10:55:00

Report No.: FCC16053699-4

BW5MHz-846.5MHz,QPSK-25RB_LOW @Pass

	★RBW 1 MHz	Marker 3 [T1]
	★VBW 3 MHz	15.43 dBm
Ref 30 dBm	★Att 30 dB SWT 115 ms	830.080128205 MHz

Marker 1 [T1]
15.43 dBm
830.080128205 MHz

Marker 2 [T1]
15.43 dBm
830.080128205 MHz

D1 −13 dBm

A
SGL
TDF
3DB

Start 30 MHz   1.997 GHz/   Stop 20 GHz
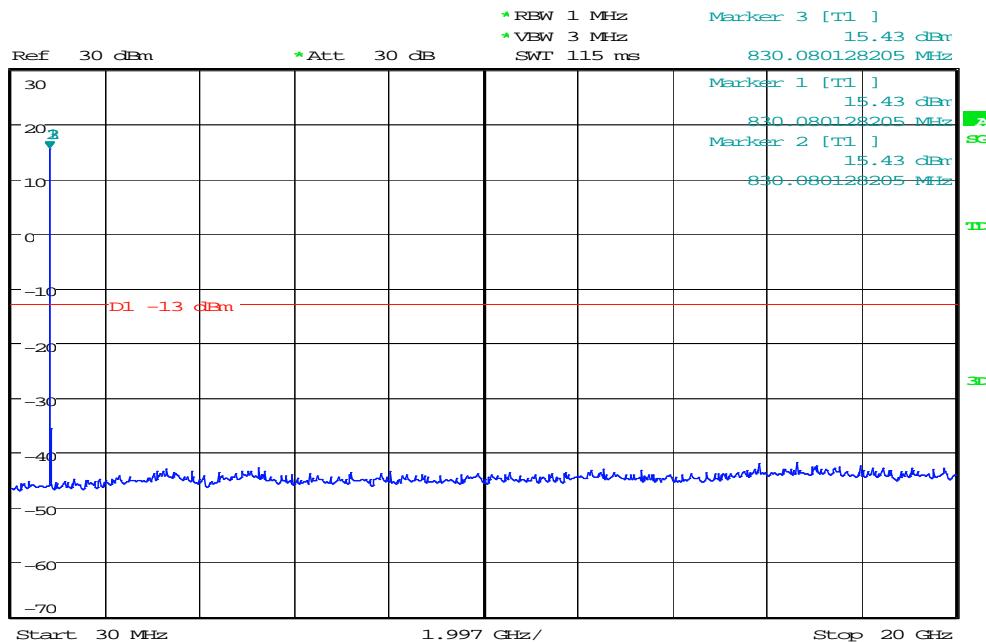
Date: 7.JUN.2016 10:56:42

BW5MHz-846.5MHz,Q16-25RB_LOW @Pass

	★RBW 1 MHz	Marker 3 [T1]
	★VBW 3 MHz	16.52 dBm
Ref 30 dBm	★Att 30 dB SWT 115 ms	830.080128205 MHz

Marker 1 [T1]
16.52 dBm
830.080128205 MHz

Marker 2 [T1]
16.52 dBm
830.080128205 MHz

D1 −13 dBm

A
SGL
TDF
3DB

Start 30 MHz   1.997 GHz/   Stop 20 GHz
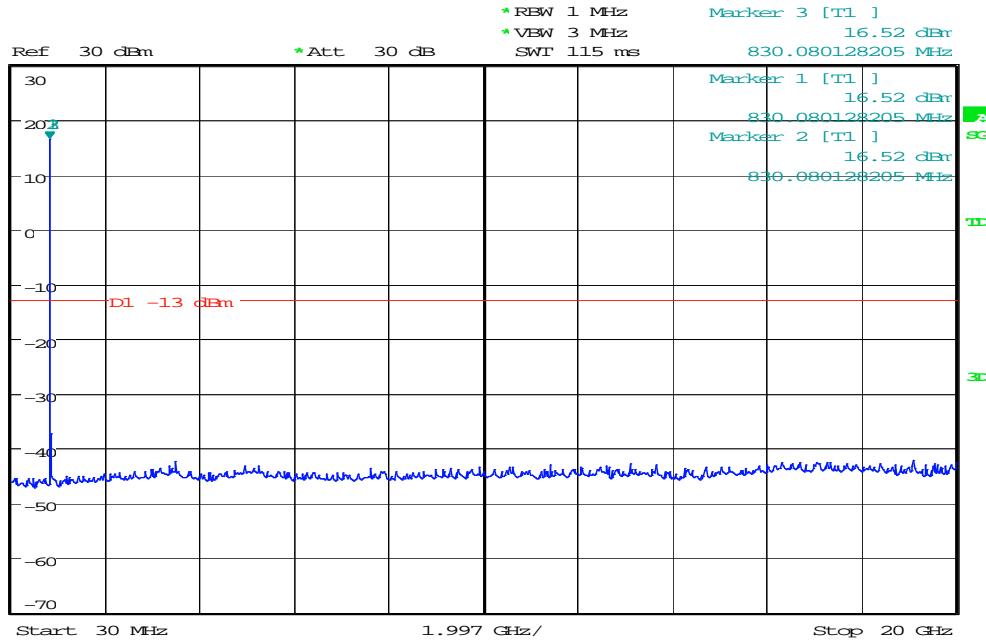
Date: 7.JUN.2016 10:58:21

Report No.: FCC16053699-4

BW5MHz-840MHz,QPSK-25RB_LOW@Pass

RBW 1 MHz
VBW 3 MHz
SWT 115 ms

Marker 3 [T1]
15.37 dBm
830.080128205 MHz

Ref   30 dBm   Att   30 dB

Marker 1 [T1]
15.37 dBm
830.080128205 MHz
Marker 2 [T1]
15.37 dBm
830.080128205 MHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
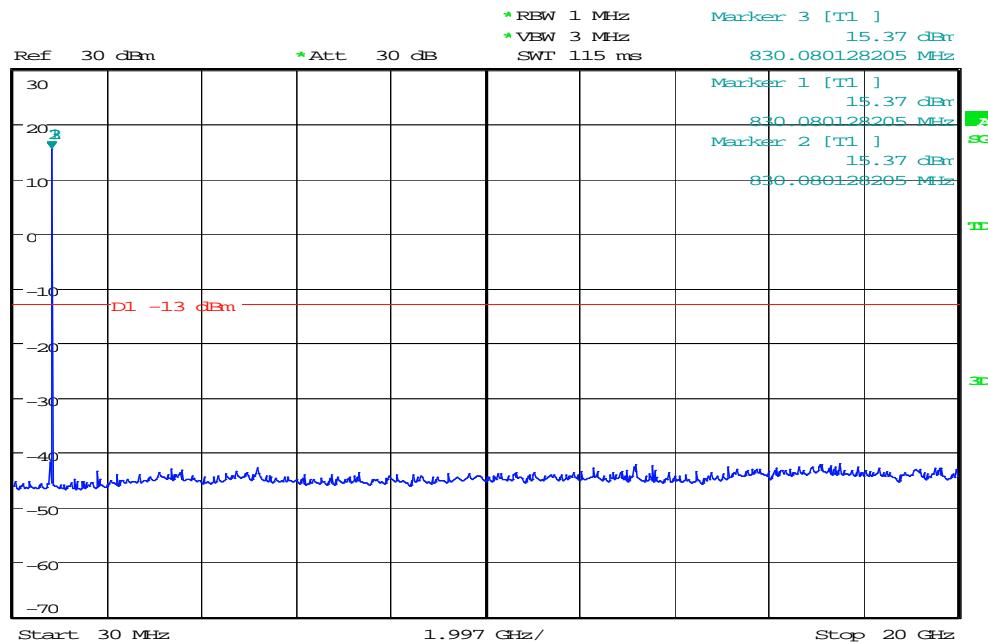
Date: 7.JUN.2016 11:00:31

BW10MHz-837MHz,QPSK-50RB_LOW@Pass

RBW 1 MHz
VBW 3 MHz
SWT 115 ms

Marker 3 [T1]
14.62 dBm
830.080128205 MHz

Ref   30 dBm   Att   30 dB

Marker 1 [T1]
14.62 dBm
830.080128205 MHz
Marker 2 [T1]
14.62 dBm
830.080128205 MHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
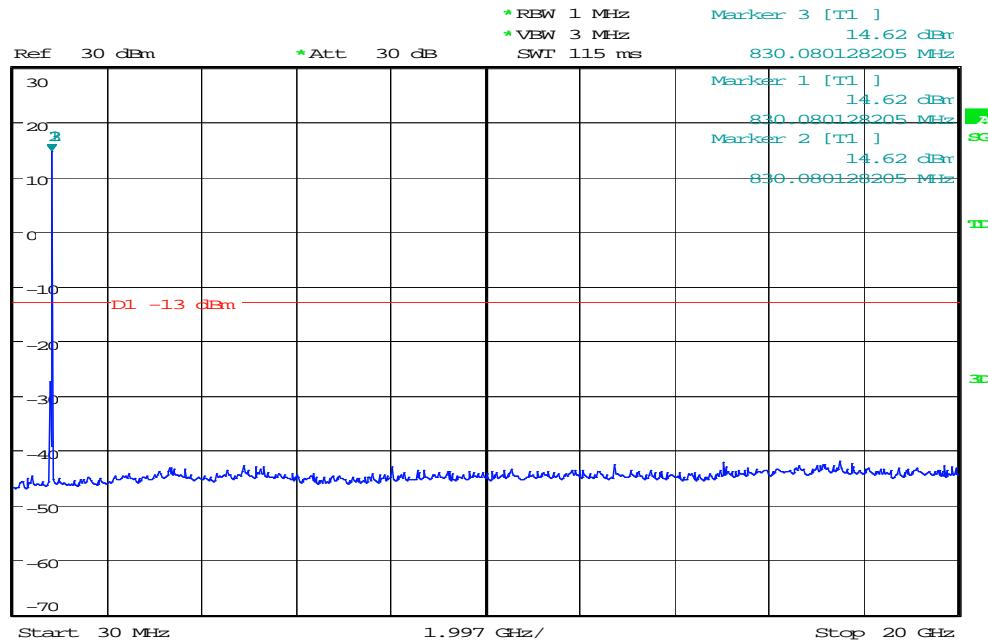
Date: 7.JUN.2016 11:02:01

Report No.: FCC16053699-4

BW10MHz-837MHz,Q16-50RB_LOW @Pass


```
                                        * RBW  1 MHz      Marker 3 [T1 ]
                                        * VBW  3 MHz               14.06 dBm
Ref   30 dBm            * Att  30 dB     SWT 115 ms       830.080128205 MHz

                                                         Marker 1 [T1 ]
                                                                  14.06 dBm
                                                         830.080128205 MHz
                                                         Marker 2 [T1 ]
                                                                  14.06 dBm
                                                         830.080128205 MHz

  D1 -13 dBm

Start  30 MHz              1.997 GHz/              Stop  20 GHz
```
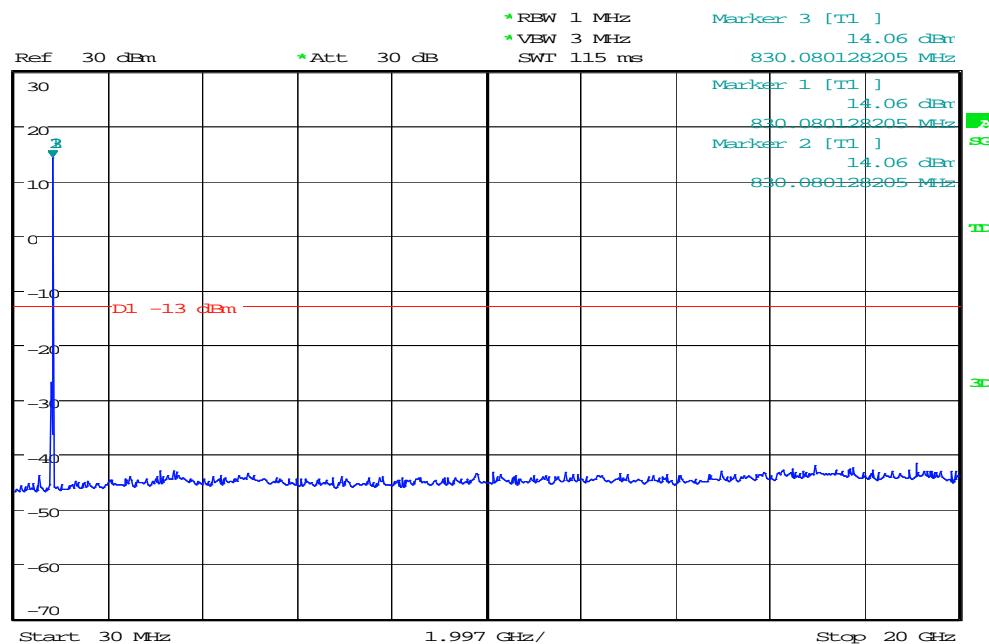
Date: 7.JUN.2016 11:03:39

BW10MHz-844MHz,QPSK-50RB_LOW @Pass


```
                                        * RBW  1 MHz      Marker 3 [T1 ]
                                        * VBW  3 MHz               14.99 dBm
Ref   30 dBm            * Att  30 dB     SWT 115 ms       830.080128205 MHz

                                                         Marker 1 [T1 ]
                                                                  14.99 dBm
                                                         830.080128205 MHz
                                                         Marker 2 [T1 ]
                                                                  14.99 dBm
                                                         830.080128205 MHz

  D1 -13 dBm

Start  30 MHz              1.997 GHz/              Stop  20 GHz
```

Date: 7.JUN.2016 11:05:21

Report No.: FCC16053699-4

BW10MHz-844MHz,Q16-50RB_LOW@Pass


```
                                        *RBW 1 MHz      Marker 3 [T1 ]
                                        *VBW 3 MHz             13.71 dBm
Ref   30 dBm           *Att  30 dB      SWT 115 ms      830.080128205 MHz
                                                        Marker 1 [T1 ]
                                                               13.71 dBm
                                                        830.080128205 MHz
                                                        Marker 2 [T1 ]
                                                               13.71 dBm
                                                        830.080128205 MHz
```

D1 -13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
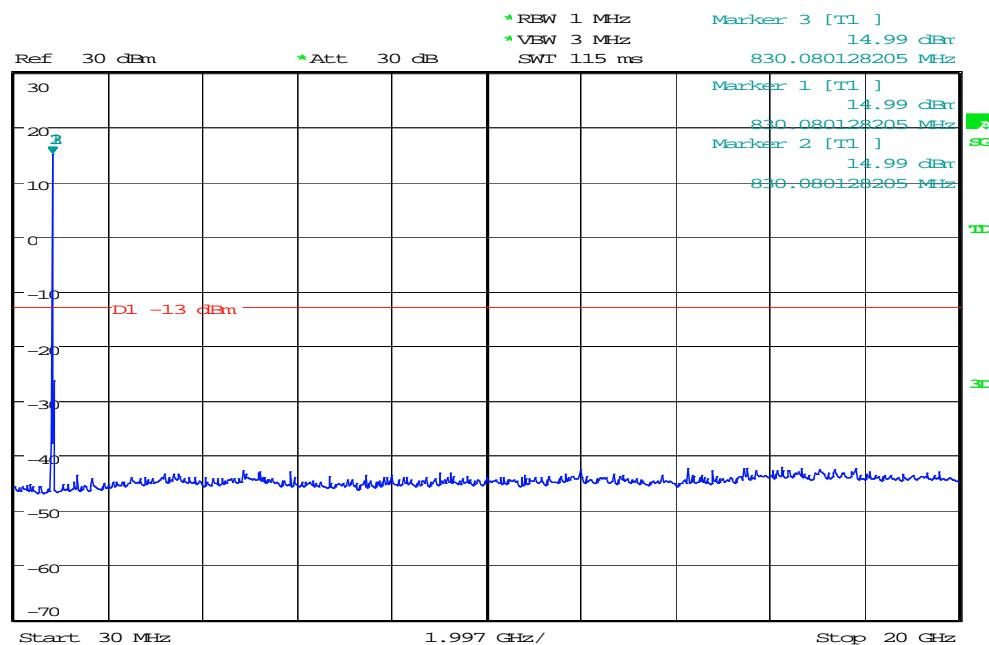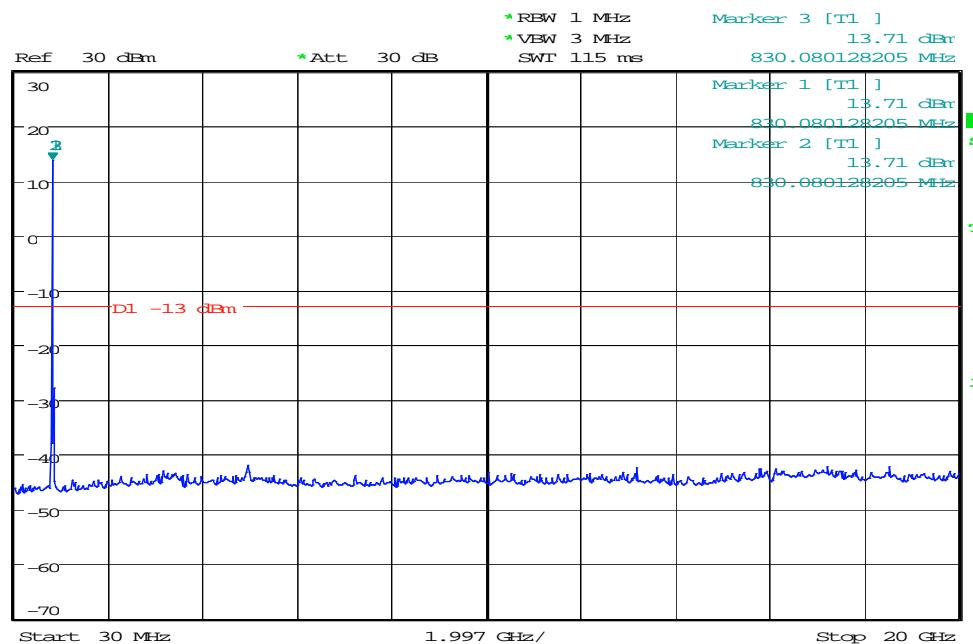
Date: 7.JUN.2016 11:07:04

BW10MHz-840MHz,QPSK-50RB_LOW@Pass


```
                                        *RBW 1 MHz      Marker 3 [T1 ]
                                        *VBW 3 MHz             14.26 dBm
Ref   30 dBm           *Att  30 dB      SWT 115 ms      830.080128205 MHz
                                                        Marker 1 [T1 ]
                                                               14.26 dBm
                                                        830.080128205 MHz
                                                        Marker 2 [T1 ]
                                                               14.26 dBm
                                                        830.080128205 MHz
```

D1 -13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
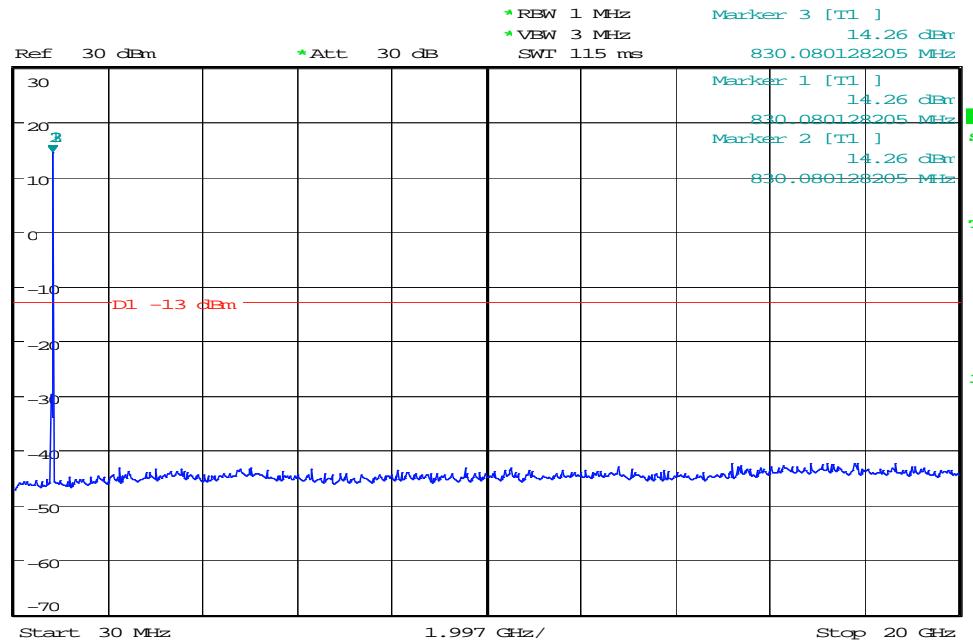
Date: 7.JUN.2016 11:07:53

Report No.: FCC16053699-4

BW10MHz-840MHz,Q16-50RB_LOW@Pass

	★RBW 1 MHz
	★VBW 3 MHz
Ref 30 dBm ★Att 30 dB	SWT 115 ms

Marker 3 [T1]
14.53 dBm
830.080128205 MHz

Marker 1 [T1]
14.53 dBm
830.080128205 MHz

Marker 2 [T1]
14.53 dBm
830.080128205 MHz

1 RM
MAXH

D1 -13 dBm

A
SGL
TDF
3DB

Start 30 MHz   1.997 GHz/   Stop 20 GHz
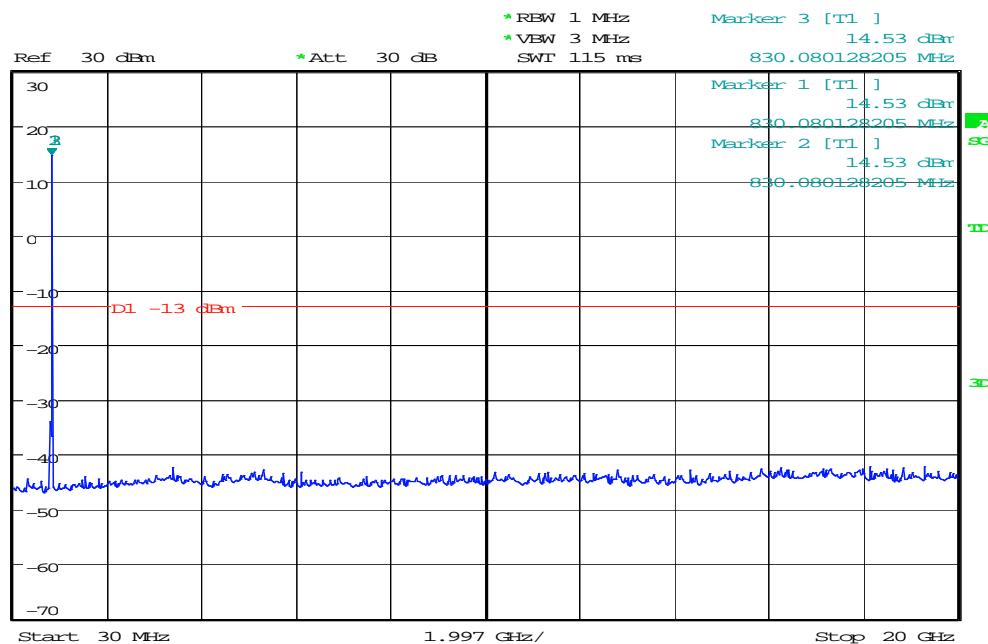
Date: 7.JUN.2016 11:08:30

BW15MHz-839.5MHz,QPSK-75RB_LOW@Pass

	★RBW 1 MHz
	★VBW 3 MHz
Ref 30 dBm ★Att 30 dB	SWT 115 ms

Marker 3 [T1]
14.01 dBm
830.080128205 MHz

Marker 1 [T1]
14.01 dBm
830.080128205 MHz

Marker 2 [T1]
14.01 dBm
830.080128205 MHz

1 RM
MAXH

D1 -13 dBm

A
SGL
TDF
3DB

Start 30 MHz   1.997 GHz/   Stop 20 GHz
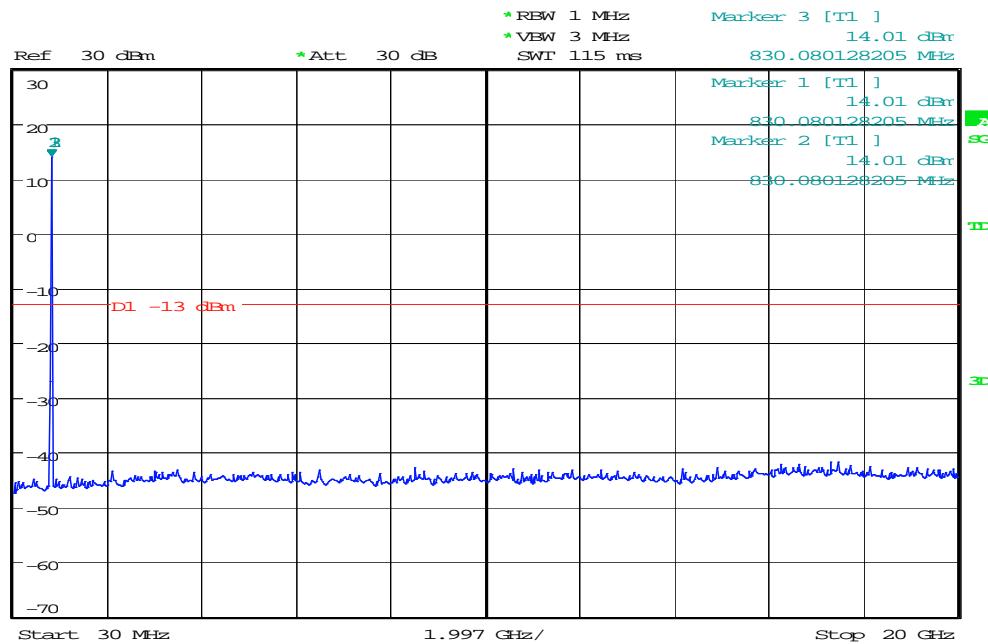
Date: 7.JUN.2016 11:09:35

Report No.: FCC16053699-4

BW15MHz-839.5MHz,Q16-75RB_LOW@Pass

✱RBW 1 MHz	Marker 3 [T1]	
✱VBW 3 MHz		12.27 dBm
Ref 30 dBm ✱Att 30 dB SWT 115 ms	830.080128205 MHz	

Marker 1 [T1]
12.27 dBm
830.080128205 MHz

Marker 2 [T1]
12.27 dBm
830.080128205 MHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
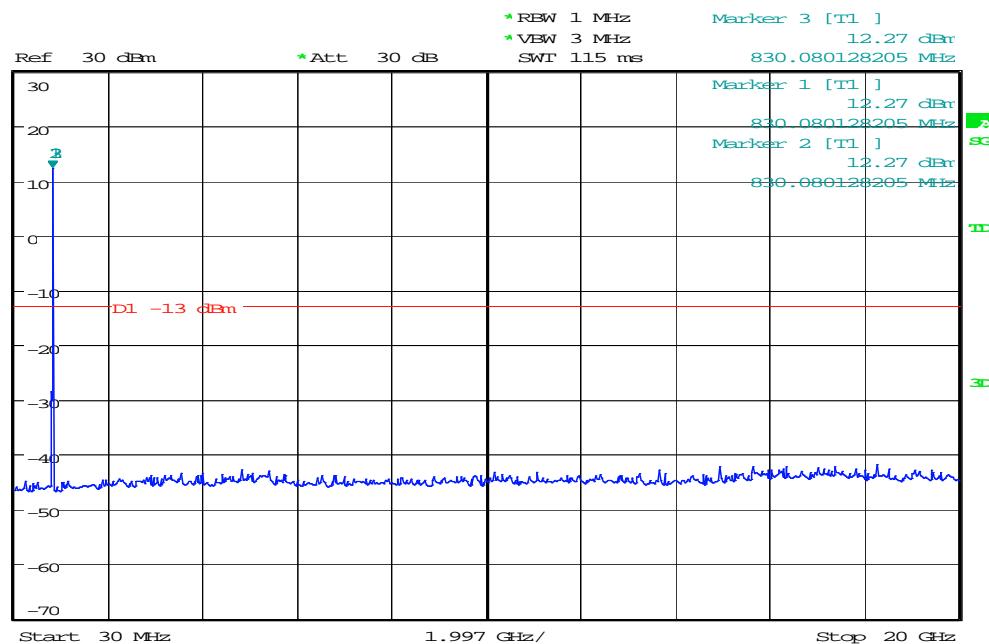
Date: 7.JUN.2016 11:10:47

BW15MHz-841.5MHz,QPSK-75RB_LOW@Pass

✱RBW 1 MHz	Marker 3 [T1]	
✱VBW 3 MHz		13.50 dBm
Ref 30 dBm ✱Att 30 dB SWT 115 ms	830.080128205 MHz	

Marker 1 [T1]
13.50 dBm
830.080128205 MHz

Marker 2 [T1]
13.50 dBm
830.080128205 MHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz
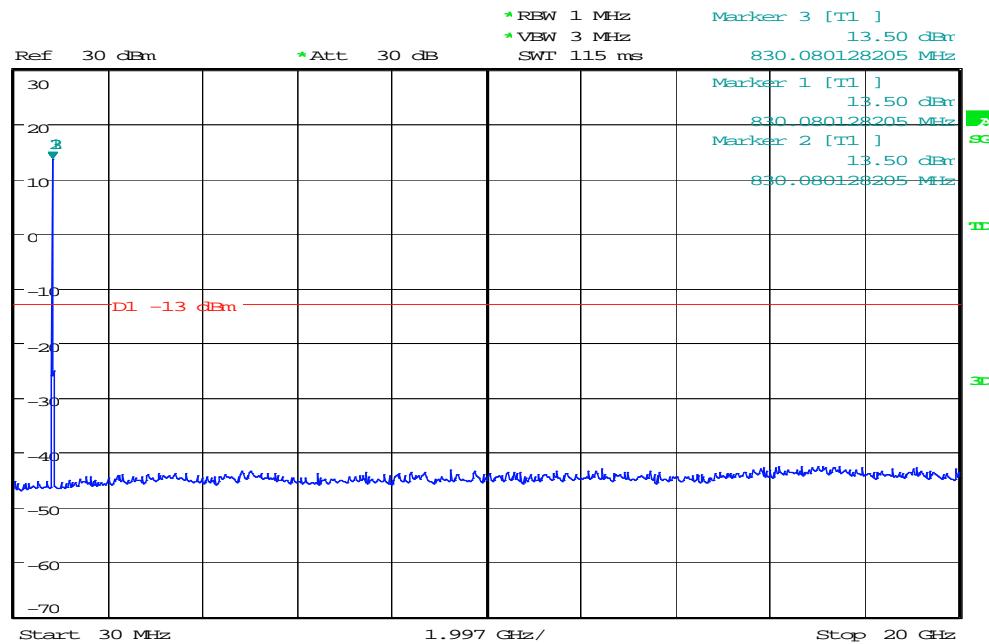
Date: 7.JUN.2016 11:11:55

Report No.: FCC16053699-4

BW15MHz-841.5MHz,Q16-75RB_LOW@Pass

```
                                    * RBW  1 MHz        Marker 3 [T1 ]
                                    * VBW  3 MHz                    13.72 dBm
Ref   30 dBm          * Att  30 dB   SWT 115 ms        830.080128205 MHz
 30                                                    Marker 1 [T1 ]
                                                                   13.72 dBm
 20                                                    830.080128205 MHz    A
                                                       Marker 2 [T1 ]       SGL
 10                                                                13.72 dBm
                                                       830.080128205 MHz
  0                                                                         TDF
-10
         D1 -13 dBm
-20
                                                                            3DB
-30

-40

-50

-60

-70
Start  30 MHz                   1.997 GHz/              Stop  20 GHz
```
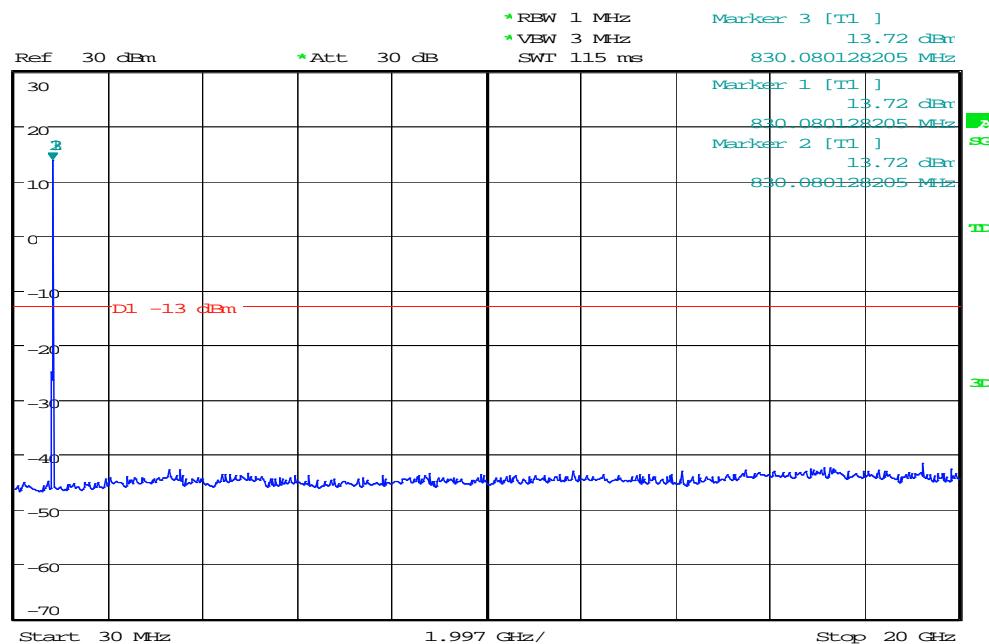
Date: 7.JUN.2016   11:13:02

BW15MHz-840MHz,QPSK-75RB_LOW@Pass

```
                                    * RBW  1 MHz        Marker 3 [T1 ]
                                    * VBW  3 MHz                    13.96 dBm
Ref   30 dBm          * Att  30 dB   SWT 115 ms        830.080128205 MHz
 30                                                    Marker 1 [T1 ]
                                                                   13.96 dBm
 20                                                    830.080128205 MHz    A
                                                       Marker 2 [T1 ]       SGL
 10                                                                13.96 dBm
                                                       830.080128205 MHz
  0                                                                         TDF
-10
         D1 -13 dBm
-20
                                                                            3DB
-30

-40

-50

-60

-70
Start  30 MHz                   1.997 GHz/              Stop  20 GHz
```

Date: 7.JUN.2016   11:13:48

BW15MHz-840MHz,Q16-75RB_LOW @Pass

Date: 7.JUN.2016 11:14:18

BAND 28@Conducted Spurious Emission

BW3MHz-727MHz,QPSK-15RB_LOW@Pass

		★ RBW 1 MHz	Marker 3 [T1]
		★ VBW 3 MHz	−40.47 dBm
Ref 30 dBm	★ Att 30 dB	SWT 155 ms	24.888044872 GHz

Marker 1 [T1]
16.06 dBm
708.717948718 MHz
Marker 2 [T1]
16.06 dBm
708.717948718 MHz

D1 −13 dBm

1 RX
Max

A
SGL
TDF
3DB

3

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
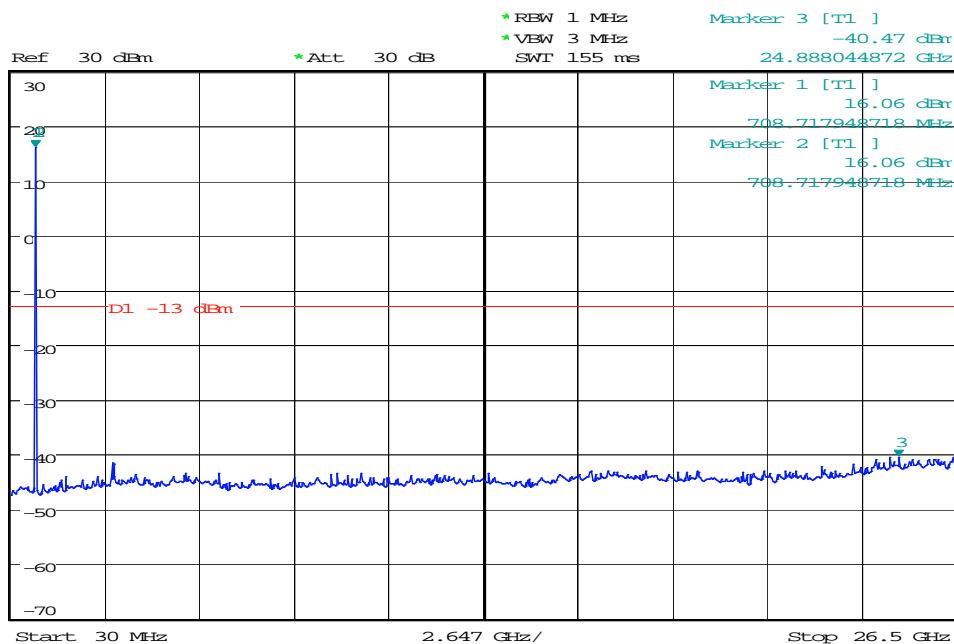
Date: 16.JUN.2016 14:53:05

BW3MHz-727MHz,Q16-15RB_LOW@Pass

		★ RBW 1 MHz	Marker 3 [T1]
		★ VBW 3 MHz	−40.26 dBm
Ref 30 dBm	★ Att 30 dB	SWT 155 ms	25.906121795 GHz

Marker 1 [T1]
16.19 dBm
708.717948718 MHz
Marker 2 [T1]
16.19 dBm
708.717948718 MHz

D1 −13 dBm

1 RX
Max

A
SGL
TDF
3DB

3

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
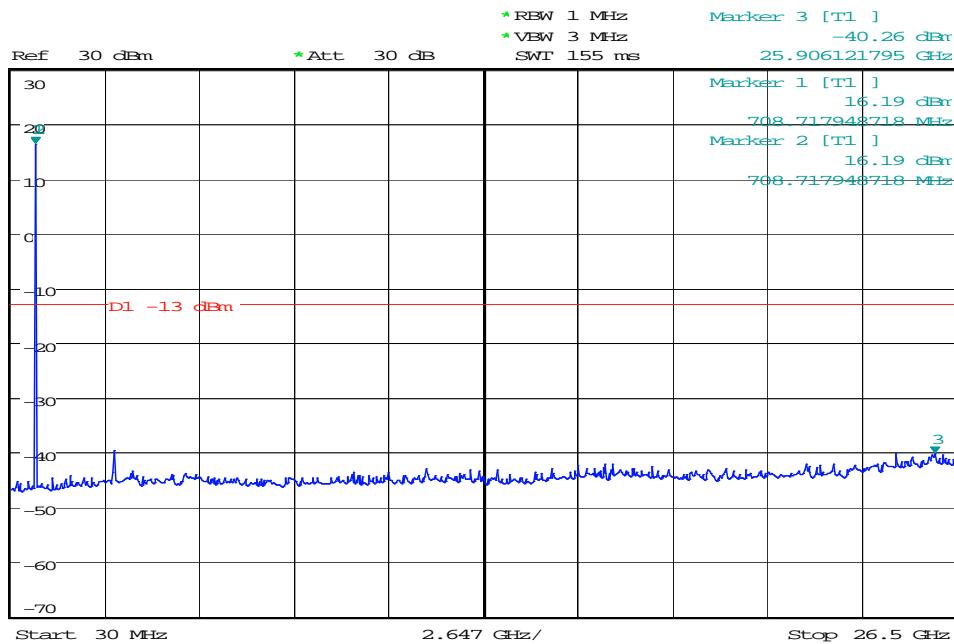
Date: 16.JUN.2016 14:54:36

Report No.: FCC16053699-4

BW3MHz-746.5MHz,QPSK-15RB_LOW@Pass

	★ RBW 1 MHz	Marker 3 [T1]
	★ VBW 3 MHz	−40.56 dBm
Ref 30 dBm	★ Att 30 dB SWT 155 ms	25.100144231 GHz

Marker 1 [T1]
16.38 dBm
708.717948718 MHz
Marker 2 [T1]
16.38 dBm
708.717948718 MHz

A
SGL
TDF
3DB

1 RX
Maxh

D1 −13 dBm

3

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
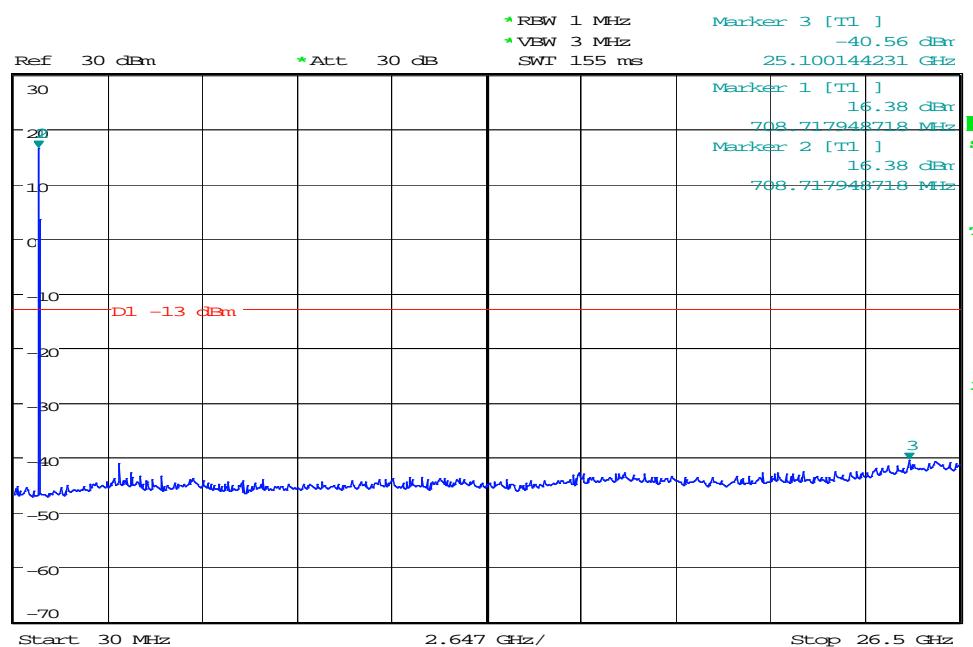
Date: 16.JUN.2016 14:56:08

BW3MHz-746.5MHz,Q16-15RB_LOW@Pass

	★ RBW 1 MHz	Marker 3 [T1]
	★ VBW 3 MHz	−40.44 dBm
Ref 30 dBm	★ Att 30 dB SWT 155 ms	25.821282051 GHz

Marker 1 [T1]
16.59 dBm
708.717948718 MHz
Marker 2 [T1]
16.59 dBm
708.717948718 MHz

A
SGL
TDF
3DB

1 RX
Maxh

D1 −13 dBm

3

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
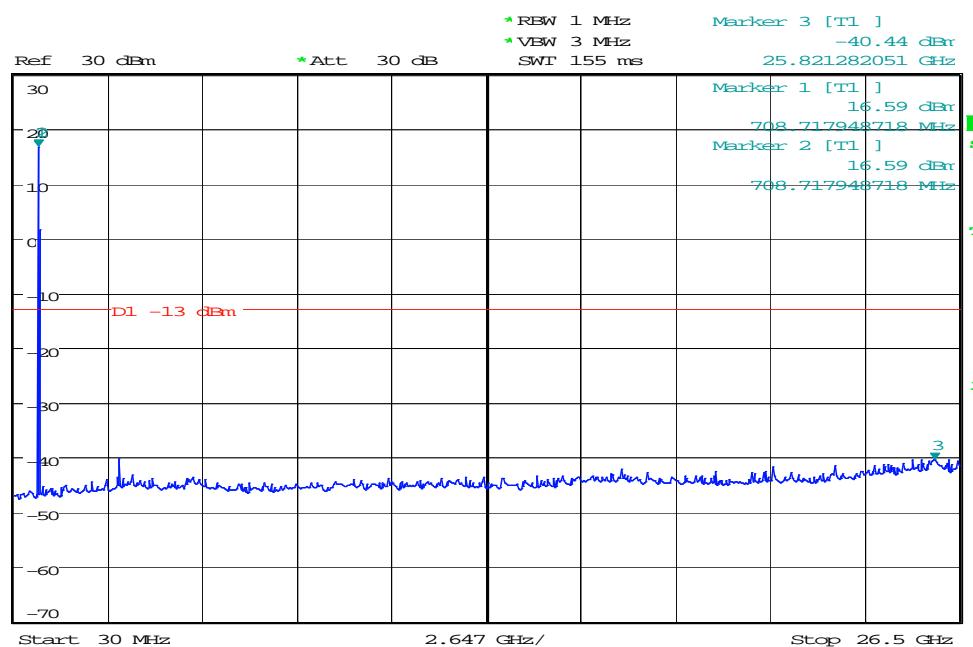
Date: 16.JUN.2016 14:57:39

Report No.: FCC16053699-4

BW3MHz-736MHz,QPSK-15RB_LOW@Pass


```
                                        ★RBW  1 MHz        Marker 3 [T1 ]
                                        ★VBW  3 MHz                -40.05 dBm
 Ref    30 dBm              ★Att  30 dB   SWT 155 ms        25.736442308 GHz
                                                           Marker 1 [T1 ]
 30                                                               16.57 dBm
                                                           708.717948718 MHz    A
 20                                                        Marker 2 [T1 ]       SGL
 10                                                              16.57 dBm
                                                           708.717948718 MHz
 0                                                                             TDF
 -10
        D1 -13 dBm
 -20                                                                          3DB
 -30
                                                                      3
 -40
 -50
 -60
 -70
 Start  30 MHz                   2.647 GHz/              Stop  26.5 GHz
```
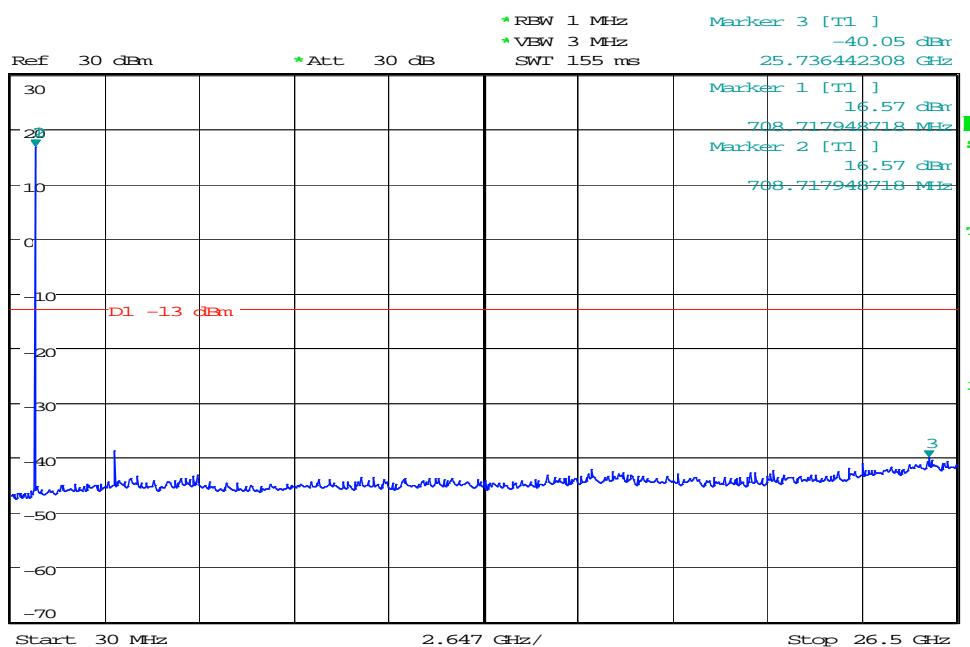
Date: 16.JUN.2016 14:58:25

BW3MHz-736MHz,Q16-15RB_LOW@Pass


```
                                        ★RBW  1 MHz        Marker 3 [T1 ]
                                        ★VBW  3 MHz                -40.41 dBm
 Ref    30 dBm              ★Att  30 dB   SWT 155 ms        25.948541667 GHz
                                                           Marker 1 [T1 ]
 30                                                               16.55 dBm
                                                           708.717948718 MHz    A
 20                                                        Marker 2 [T1 ]       SGL
 10                                                              16.55 dBm
                                                           708.717948718 MHz
 0                                                                             TDF
 -10
        D1 -13 dBm
 -20                                                                          3DB
 -30
                                                                      3
 -40
 -50
 -60
 -70
 Start  30 MHz                   2.647 GHz/              Stop  26.5 GHz
```
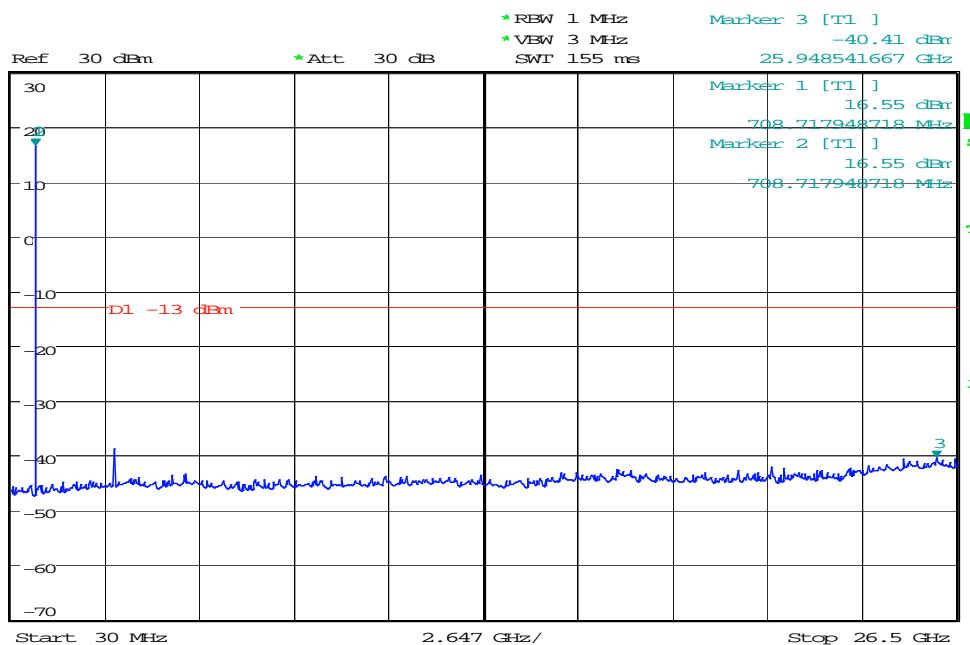
Date: 16.JUN.2016 14:59:03

Report No.: FCC16053699-4

BW5MHz-728MHz,QPSK-25RB_LOW@Pass
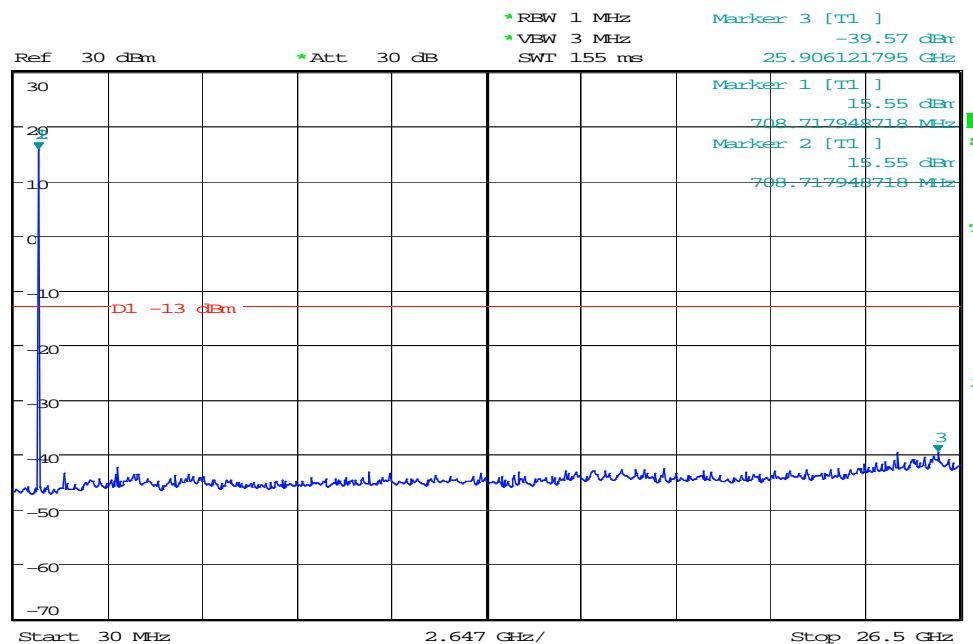
Date: 16.JUN.2016 15:00:37

BW5MHz-728MHz,Q16-25RB_LOW@Pass
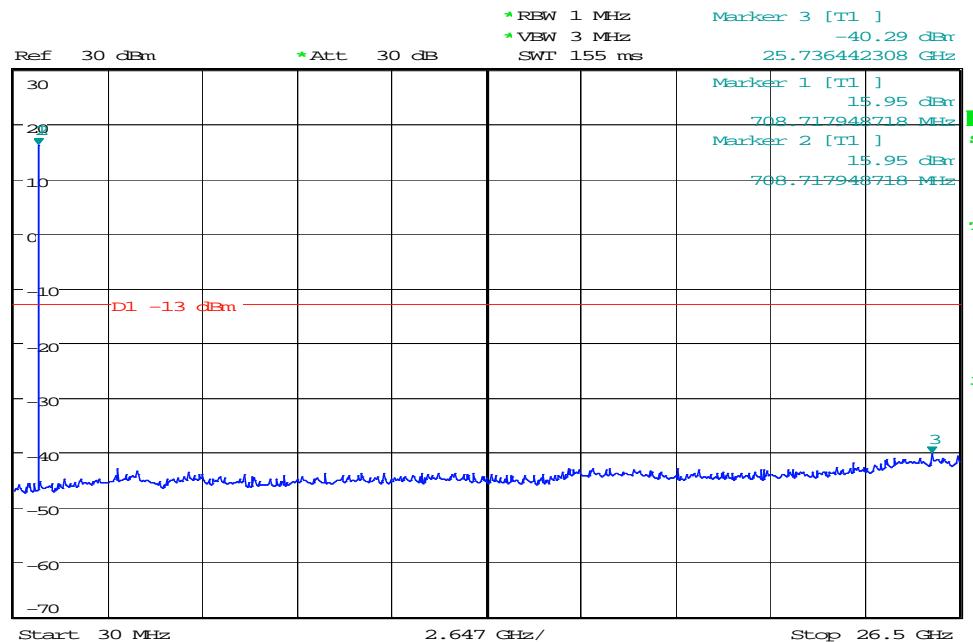
Date: 16.JUN.2016 15:02:19

Report No.: FCC16053699-4

BW5MHz-745.5MHz,QPSK-25RB_LOW @Pass
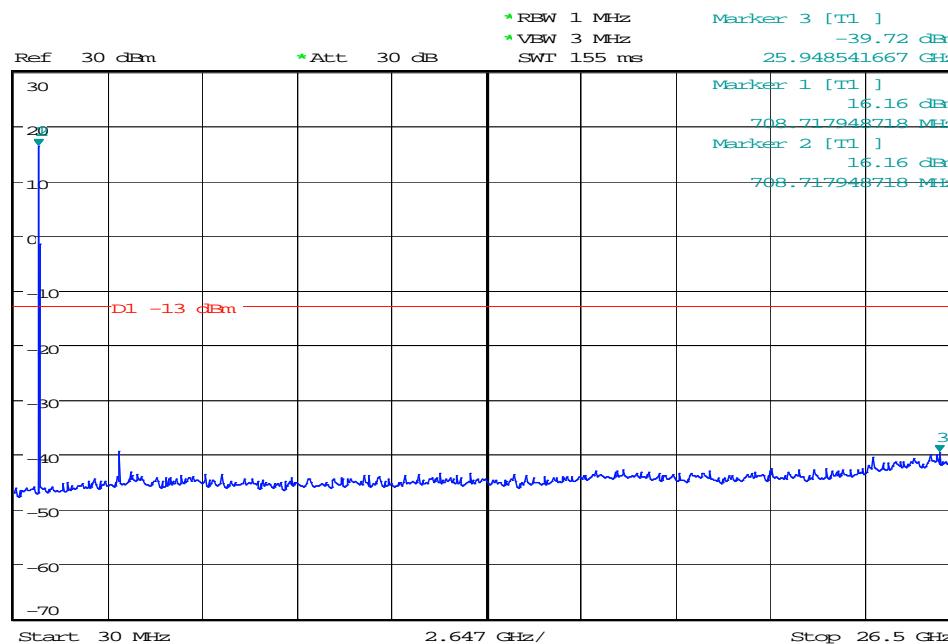
Date: 16.JUN.2016 15:03:53

## BW5MHz-745.5MHz,Q16-25RB_LOW @Pass
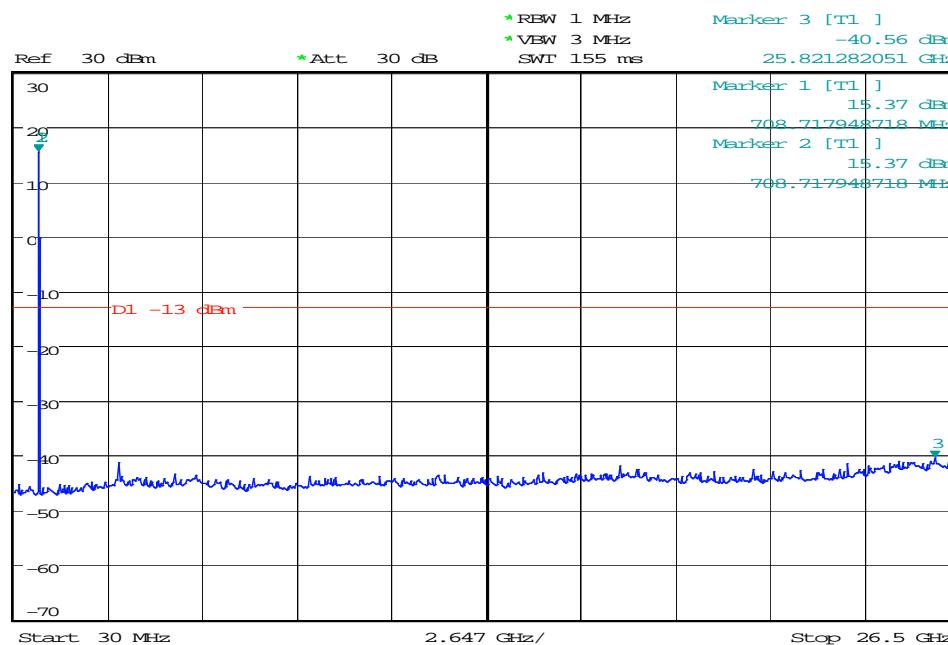
Date: 16.JUN.2016 15:05:28

Report No.: FCC16053699-4

BW5MHz-736MHz,QPSK-25RB_LOW@Pass

	✱RBW 1 MHz	Marker 3 [T1]
	✱VBW 3 MHz	−40.82 dBm
Ref 30 dBm	✱Att 30 dB SWT 155 ms	26.287900641 GHz
		Marker 1 [T1]
		14.90 dBm
		708.717948718 MHz
		Marker 2 [T1]
		14.90 dBm
		708.717948718 MHz

D1 −13 dBm

Start 30 MHz 2.647 GHz/ Stop 26.5 GHz
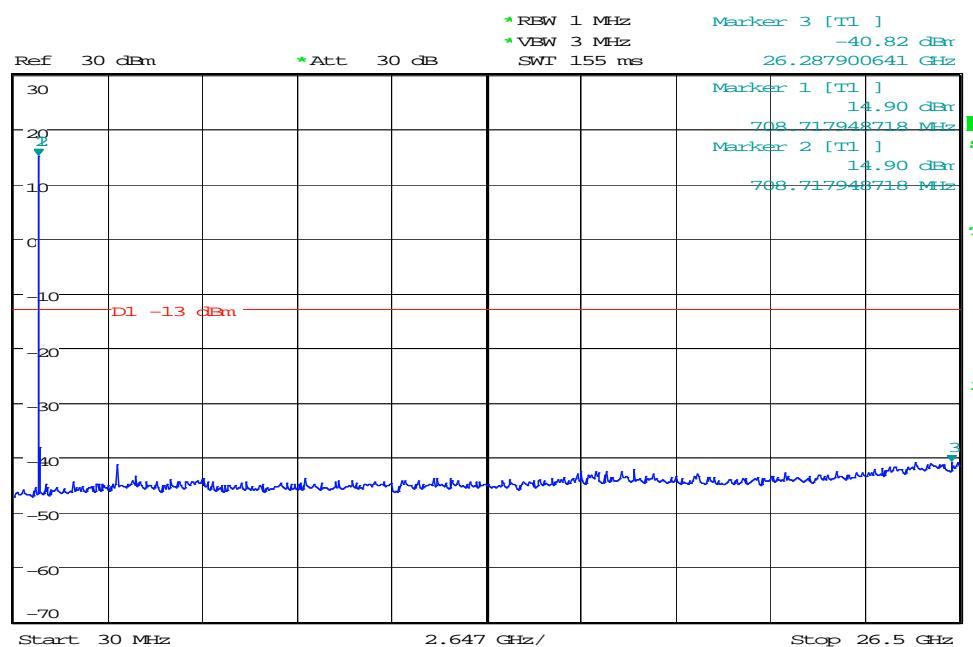
Date: 16.JUN.2016 15:06:19

BW5MHz-736MHz,Q16-25RB_LOW@Pass

	✱RBW 1 MHz	Marker 3 [T1]
	✱VBW 3 MHz	−40.51 dBm
Ref 30 dBm	✱Att 30 dB SWT 155 ms	24.972884615 GHz
		Marker 1 [T1]
		15.44 dBm
		708.717948718 MHz
		Marker 2 [T1]
		15.44 dBm
		708.717948718 MHz

D1 −13 dBm

Start 30 MHz 2.647 GHz/ Stop 26.5 GHz
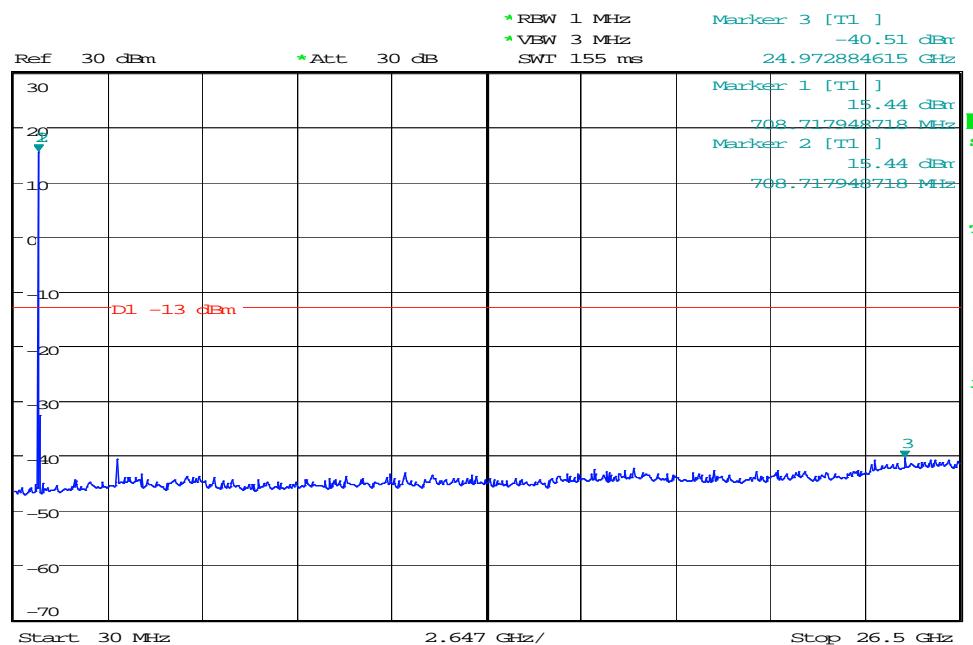
Date: 16.JUN.2016 15:07:01

Report No.: FCC16053699-4

BW10MHz-730.5MHz,QPSK-50RB_LOW@Pass
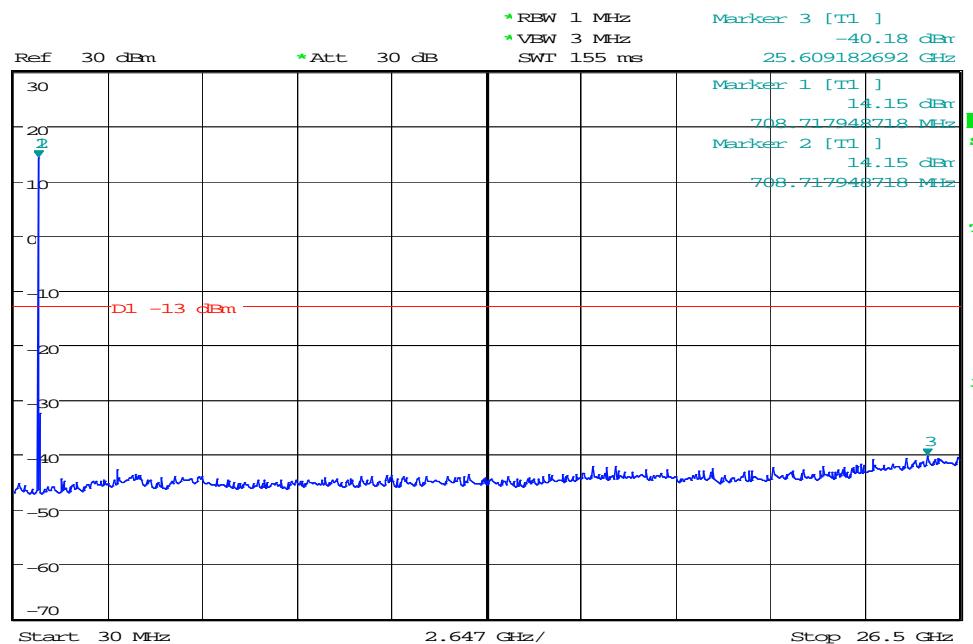
Date: 16.JUN.2016 15:08:21

BW10MHz-730.5MHz,Q16-50RB_LOW@Pass
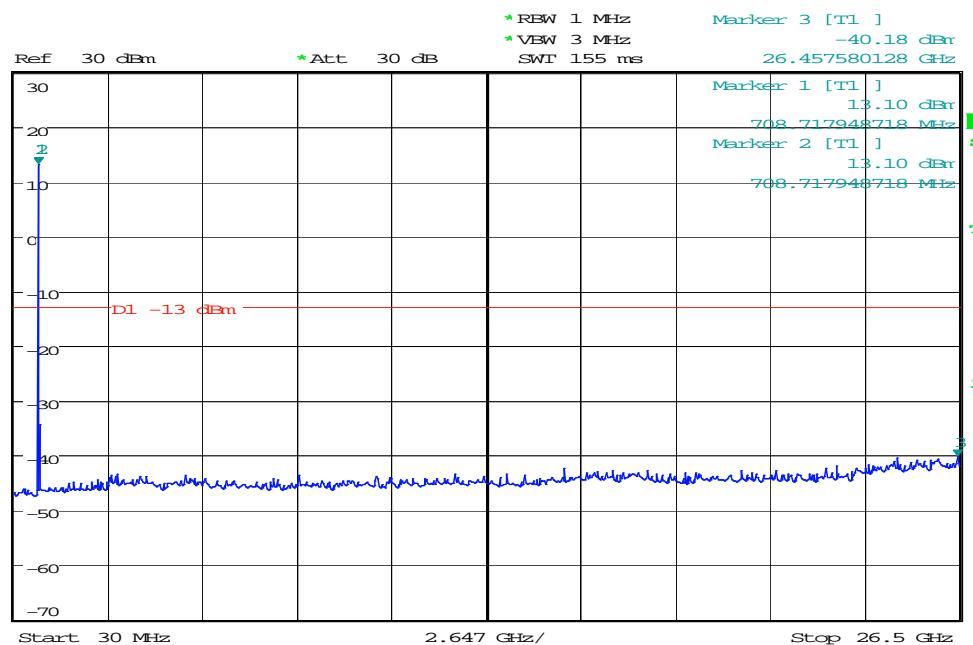
Date: 16.JUN.2016 15:09:42

Report No.: FCC16053699-4

BW10MHz-743MHz,QPSK-50RB_LOW @Pass
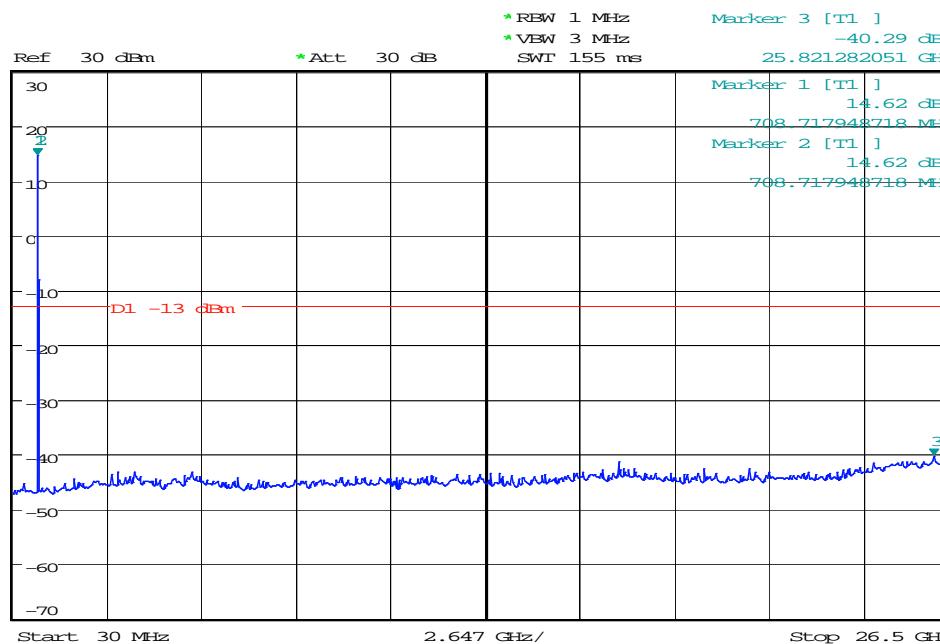
Date: 16.JUN.2016   15:10:55

BW10MHz-743MHz,Q16-50RB_LOW @Pass
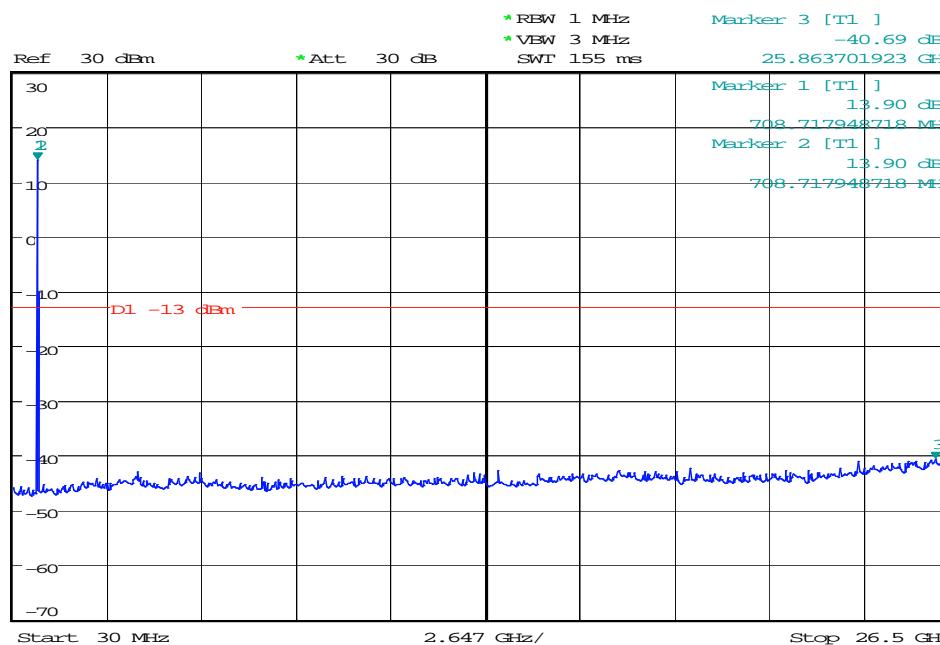
Date: 16.JUN.2016   15:12:06

Report No.: FCC16053699-4

BW10MHz-736MHz,QPSK-50RB_LOW @Pass

	★RBW 1 MHz	Marker 3 [T1]
	★VBW 3 MHz	−40.09 dBm
Ref 30 dBm ★Att 30 dB	SWT 155 ms	26.118221154 GHz

Marker 1 [T1]
13.60 dBm
708.717948718 MHz
Marker 2 [T1]
13.60 dBm
708.717948718 MHz

D1 −13 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
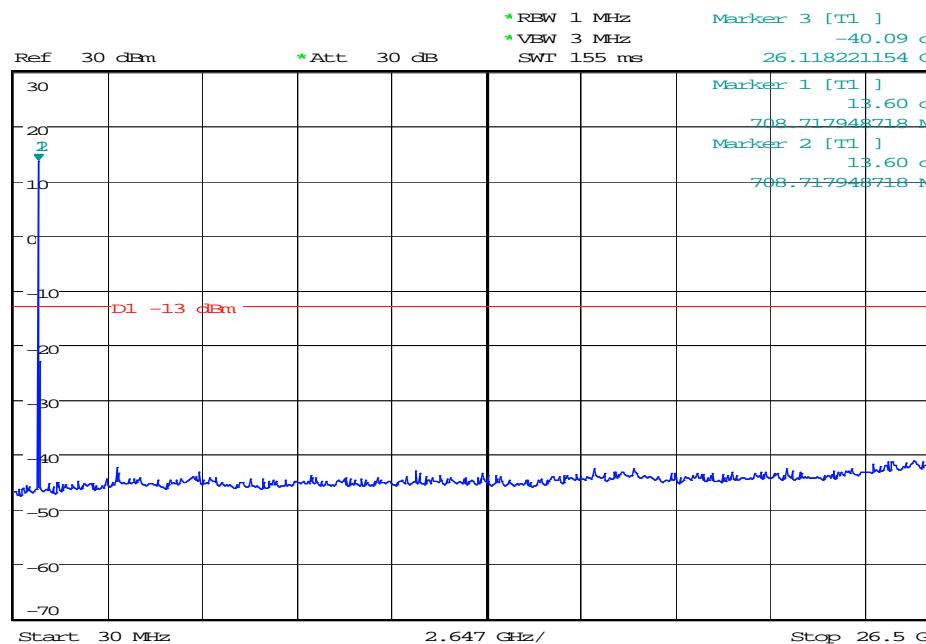
Date: 16.JUN.2016 15:12:50

BW10MHz-736MHz,Q16-50RB_LOW @Pass

	★RBW 1 MHz	Marker 3 [T1]
	★VBW 3 MHz	−40.12 dBm
Ref 30 dBm ★Att 30 dB	SWT 155 ms	24.972884615 GHz

Marker 1 [T1]
13.47 dBm
708.717948718 MHz
Marker 2 [T1]
13.47 dBm
708.717948718 MHz

D1 −13 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz
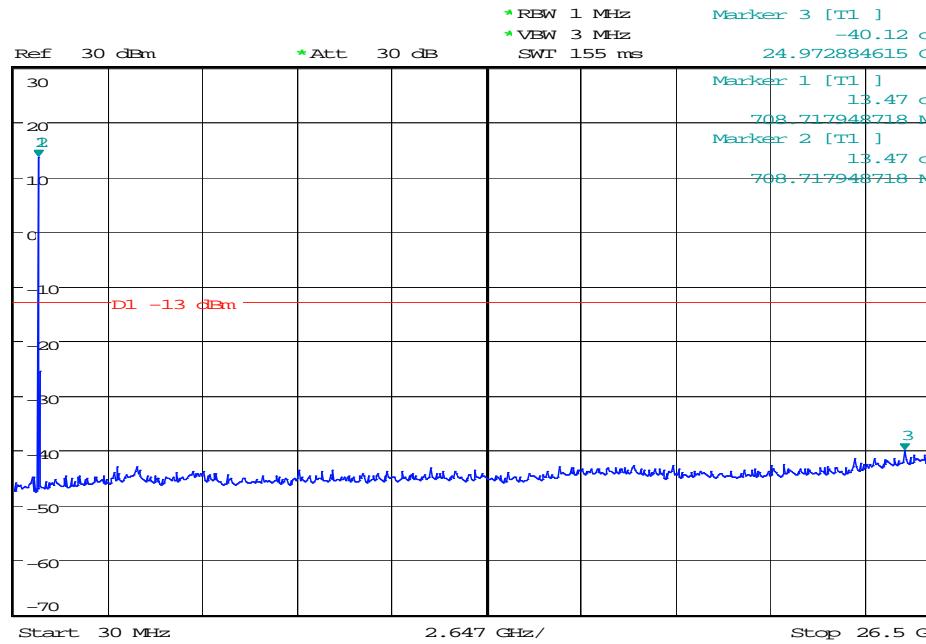
Date: 16.JUN.2016 15:13:27

Report No.: FCC16053699-4

BW15MHz-733MHz,QPSK-75RB_LOW @Pass
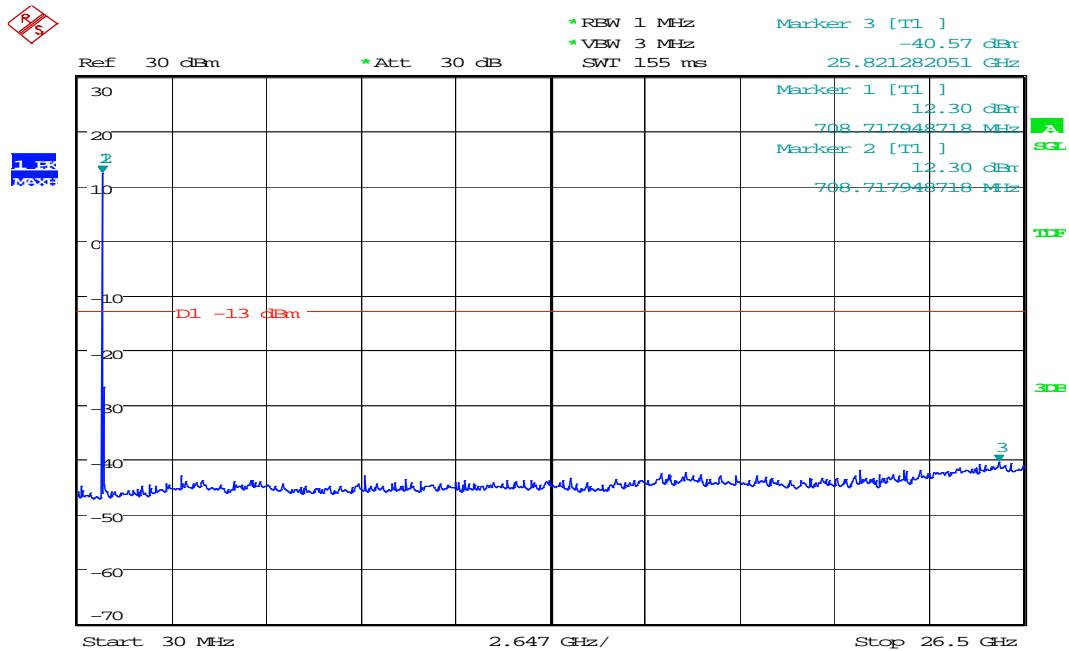
Date: 16.JUN.2016 15:14:42

BW15MHz-733MHz,Q16-75RB_LOW @Pass
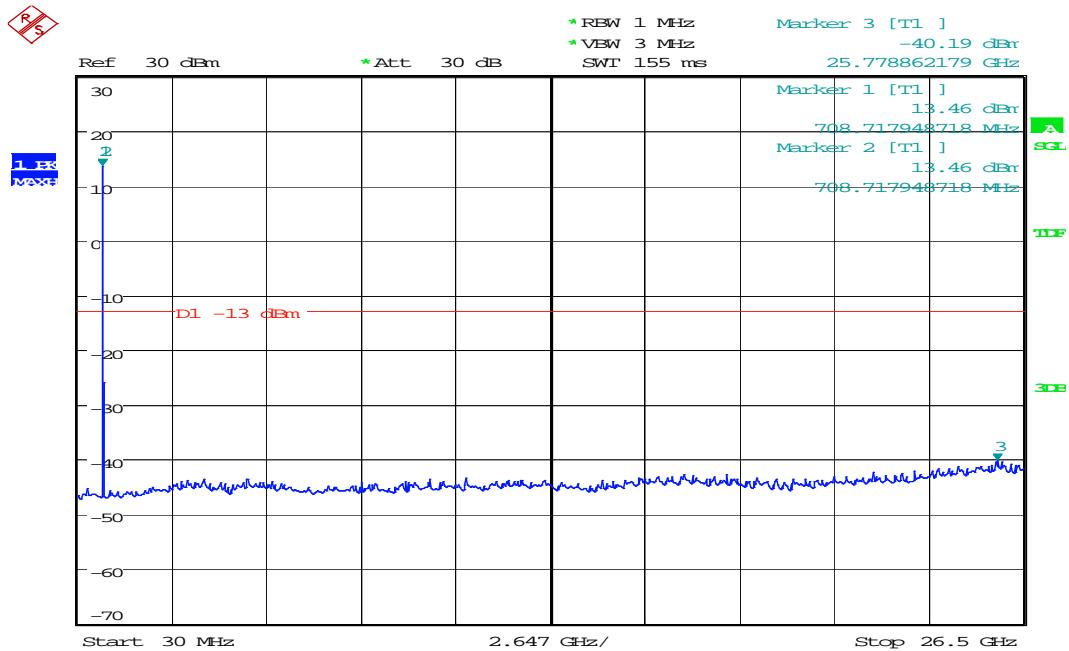
Date: 16.JUN.2016 15:16:03

Report No.: FCC16053699-4

BW15MHz-740.5MHz,QPSK-75RB_LOW@Pass

★RBW 1 MHz	Marker 3 [T1]
★VBW 3 MHz	−40.63 dBm
Ref 30 dBm ★Att 30 dB SWT 155 ms	25.863701923 GHz

Marker 1 [T1]
13.10 dBm
708.717948718 MHz
Marker 2 [T1]
13.10 dBm
708.717948718 MHz

D1 −13 dBm

Start 30 MHz 2.647 GHz/ Stop 26.5 GHz
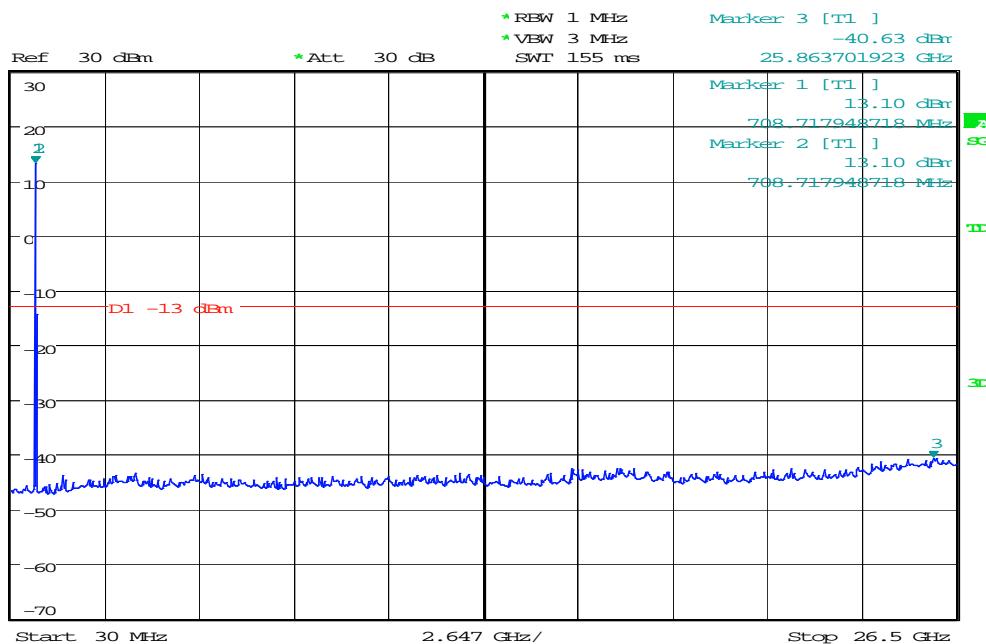
Date: 16.JUN.2016 15:17:18

BW15MHz-740.5MHz,Q16-75RB_LOW@Pass

★RBW 1 MHz	Marker 3 [T1]
★VBW 3 MHz	−40.18 dBm
Ref 30 dBm ★Att 30 dB SWT 155 ms	26.372740385 GHz

Marker 1 [T1]
11.93 dBm
708.717948718 MHz
Marker 2 [T1]
11.93 dBm
708.717948718 MHz

D1 −13 dBm

Start 30 MHz 2.647 GHz/ Stop 26.5 GHz
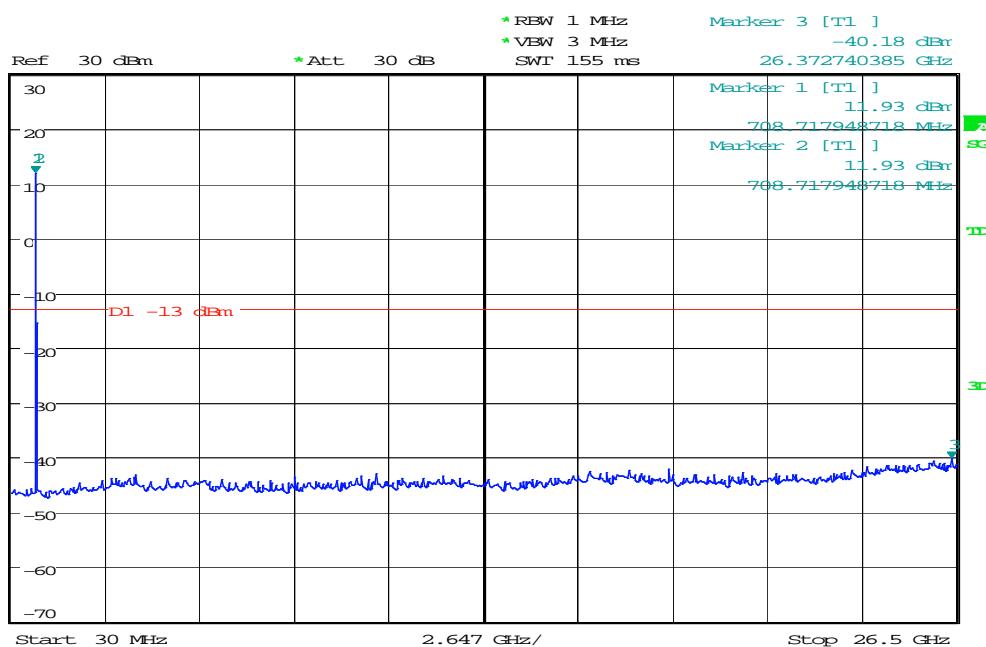
Date: 16.JUN.2016 15:18:30

Report No.: FCC16053699-4

BW15MHz-736MHz,QPSK-75RB_LOW @Pass

```
                                          *RBW  1 MHz        Marker 3 [T1 ]
                                          *VBW  3 MHz                -39.81 dBm
  Ref    30 dBm           *Att   30 dB     SWT 155 ms         25.863701923 GHz
```

Marker 1 [T1]
13.44 dBm
708.717948718 MHz
Marker 2 [T1]
13.44 dBm
708.717948718 MHz

D1 −13 dBm

```
  Start  30 MHz                 2.647 GHz/                  Stop  26.5 GHz
```
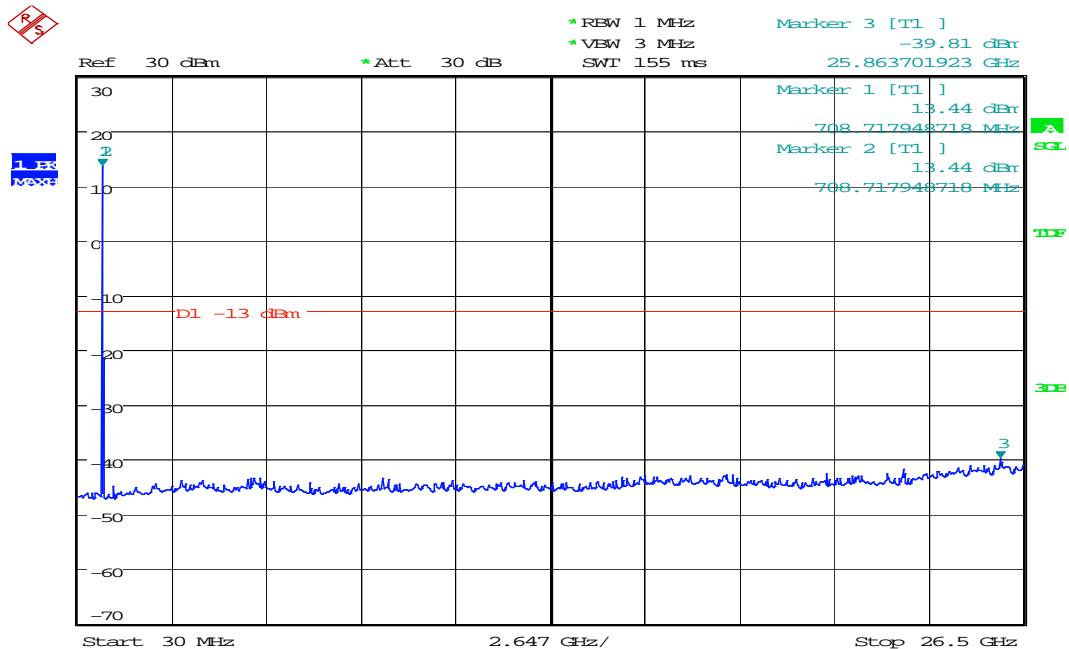
Date: 16.JUN.2016 15:19:17

BW15MHz-736MHz,Q16-75RB_LOW @Pass

```
                                          *RBW  1 MHz        Marker 3 [T1 ]
                                          *VBW  3 MHz                -40.03 dBm
  Ref    30 dBm           *Att   30 dB     SWT 155 ms         25.863701923 GHz
```

Marker 1 [T1]
12.70 dBm
708.717948718 MHz
Marker 2 [T1]
12.70 dBm
708.717948718 MHz

D1 −13 dBm

```
  Start  30 MHz                 2.647 GHz/                  Stop  26.5 GHz
```
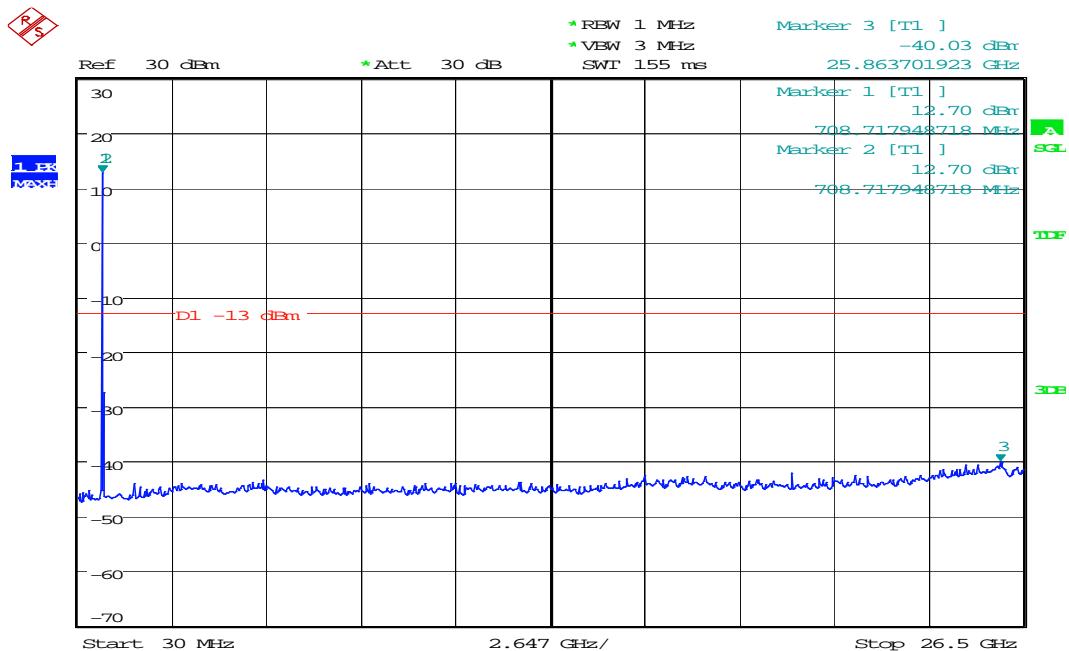
Date: 16.JUN.2016 15:19:55

Report No.: FCC16053699-4

## BW20MHz-735.5MHz,QPSK-100RB_LOW@Pass
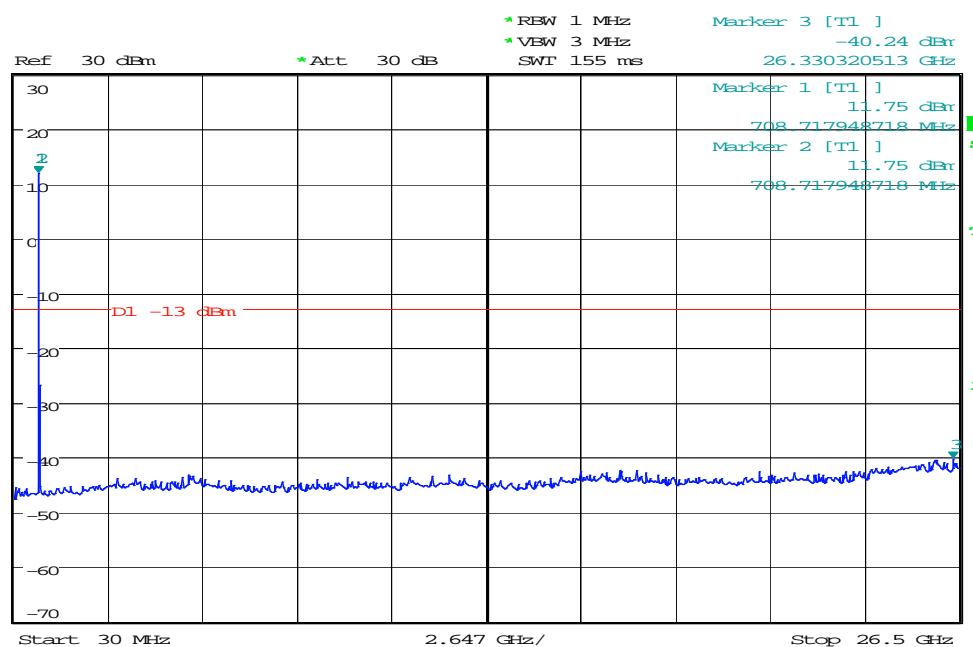
Date: 16.JUN.2016 15:21:16

BW20MHz-735.5MHz,Q16-100RB_LOW@Pass
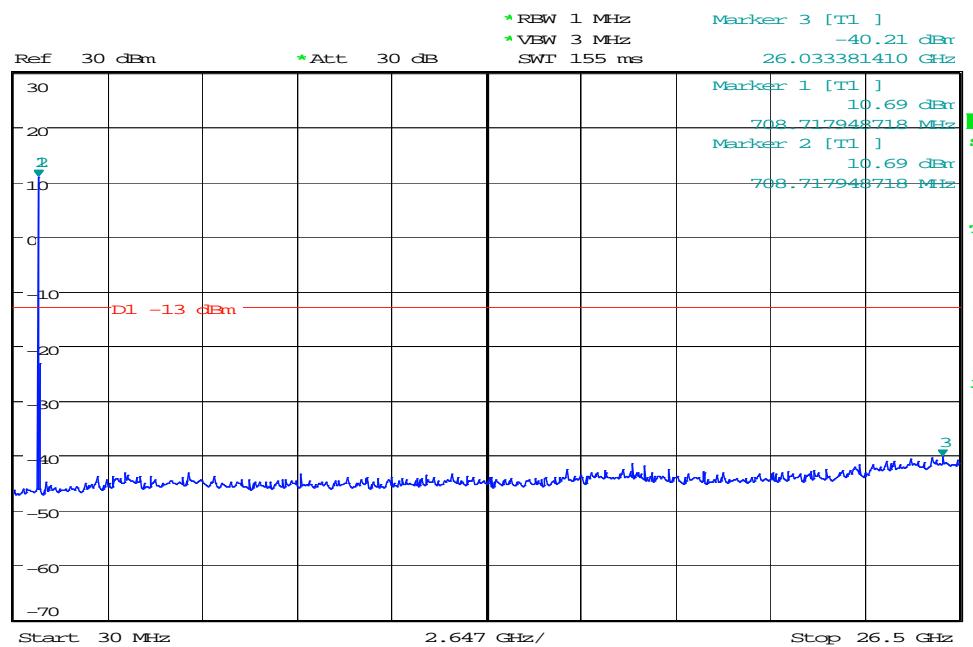
Date: 16.JUN.2016 15:22:45

Report No.: FCC16053699-4

BW20MHz-738MHz,QPSK-100RB_LOW@Pass
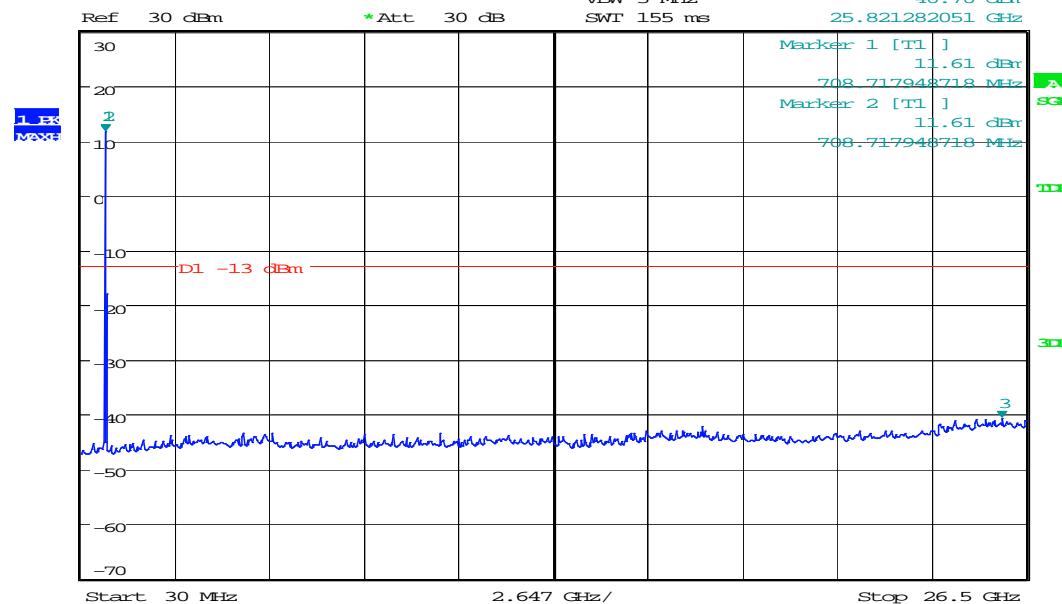
Date: 16.JUN.2016 15:24:07

BW20MHz-738MHz,Q16-100RB_LOW@Pass
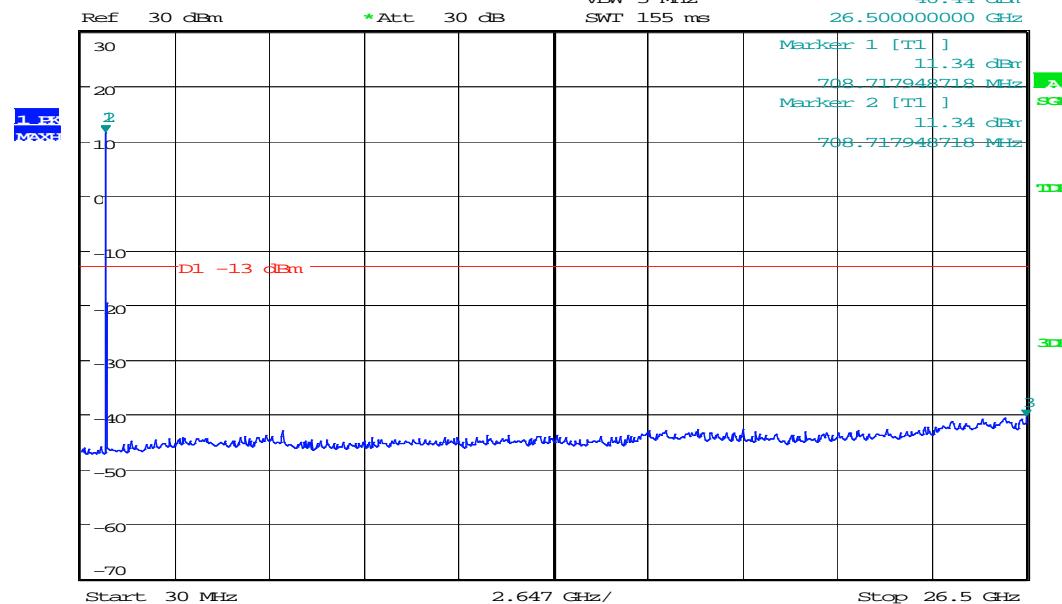
Date: 16.JUN.2016 15:25:21

Report No.: FCC16053699-4

BW20MHz-736MHz,QPSK-100RB_LOW@Pass

RBW 1 MHz Marker 3 [T1]
VBW 3 MHz −40.15 dBm
Ref 30 dBm Att 30 dB SWT 155 ms 25.863701923 GHz

Marker 1 [T1]
11.84 dBm
708.717948718 MHz
Marker 2 [T1]
11.84 dBm
708.717948718 MHz

30
20
10
0
−10
D1 −13 dBm
−20
−30
−40
−50
−60
−70

Start 30 MHz 2.647 GHz/ Stop 26.5 GHz
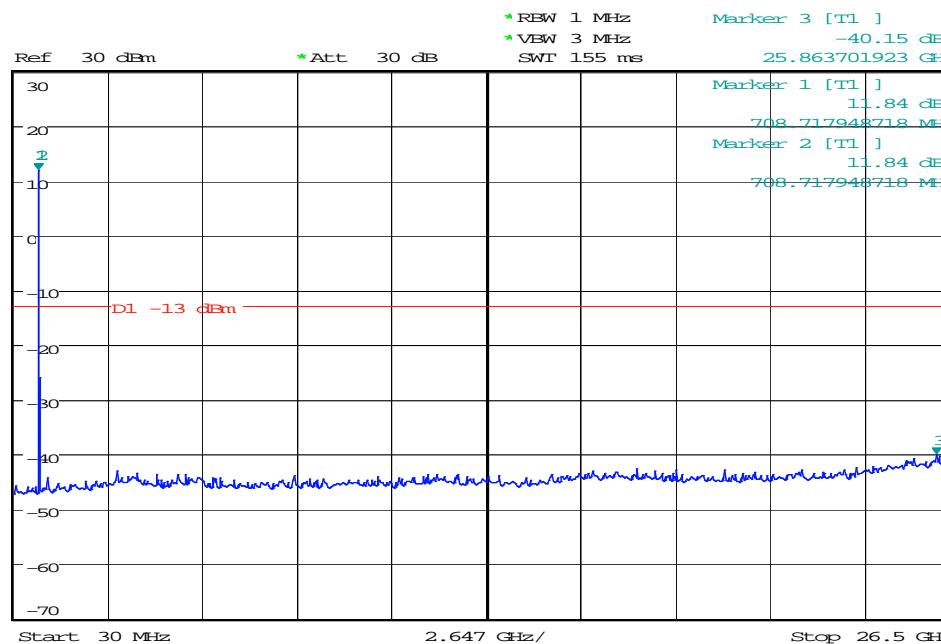
Date: 16.JUN.2016 15:26:06

BW20MHz-736MHz,Q16-100RB_LOW@Pass

RBW 1 MHz Marker 3 [T1]
VBW 3 MHz −40.63 dBm
Ref 30 dBm Att 30 dB SWT 155 ms 25.736442308 GHz

Marker 1 [T1]
10.71 dBm
708.717948718 MHz
Marker 2 [T1]
10.71 dBm
708.717948718 MHz

30
20
10
0
−10
D1 −13 dBm
−20
−30
−40
−50
−60
−70

Start 30 MHz 2.647 GHz/ Stop 26.5 GHz

Date: 16.JUN.2016 15:26:44

Report No.: FCC16053699-4