FCC Test Report

Application Purpose	:	Original grant
Applicant Name:	:	INFINIX MOBILITY LIMITED
FCC ID	:	2AIZN-X555
Equipment Type	:	Mobile phone
Model Name	:	X555
Report Number	:	FCC16083918-5
Standard(S)	:	FCC Part 22H&24E&27 Rules
Date Of Receipt	:	August 19, 2016
Date Of Issue	:	September 29, 2016

Test By :

(Daisy Qin)

Reviewed By :

(Sol Qin)

Authorized by :

(Michal Ling)

Prepared by : **QTC Certification & Testing Co., Ltd.**
2nd Floor,BI Building,Fengyeyuan Industrial Plant,, Liuxian 2st. Road, Xin'an Street, Bao'an District,,Shenzhen,518000
Registration Number: 588523

REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	September 29, 2016	Valid	Original Report
V1.1	/	October 15, 2016	Valid	Original Report

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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	X555
Hardware version:	X555-H538B1-M-160721V12
Software version:	V2.1
Series Model	N/A
Difference description	N/A
Deviation	None
Condition of Test Sample	Normal

We hereby certify that:

All measurement facilities used to collect the measurement data are located at QTC Certification & Testing Co., Ltd.
Registration Number: 588523

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 Part 22H and 24E and 27.
The test results of this report relate only to the tested sample identified in this report.

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2 EUT INFORMATION

Table 2.1.1 General Information

Equipment Type:	Mobile phone
Hardware version:	X555-H538B1-M-160721V12
Software version:	V2.1
Frequency Bands:	☒GSM 850 ☒PCS 1900 (U.S. Bands) UTRA Bands: ☒UTRA Band 2 ☒UTRA Band 4 ☒UTRA Band 5 E-UTRA Bands: ☒ E-UTRA Band 2 ☒ E-UTRA Band 4 ☒ E-UTRA Band 7
Antenna Type:	Internal Antenna
Antenna gain:	BAND 2(PCS 1900/ UTRA Band 2): -4.0dBi BAND 2(E-UTRA Band 2): -3.5dBi BAND 4(UTRA Band 4): -4.0dBi BAND 4(E-UTRA Band 4): -6.0dBi BAND 5(GSM850): -4.0dBi BAND 5(UTRA Band 5): -4.5dBi BAND 7(E-UTRA Band 7): -5.0dBi
Battery information:	Li-ion Battery : BL-32AX Voltage: 3.85V Capacity: 3200mAh/3250mAh(min/typ) Limited Charge Voltage: 4.5V
Adapter Information:	Adapter: CQ-18KX Input: AC 100-240V 50/60Hz 600mA Output: DC 5V-6V 3A；6V-9V 2A；9V-12V 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 3.45V to 4.4V (Normal: DC 3.85V)
Extreme Temp. Tolerance	-10℃ to +50℃

Note 1: The High Voltage DC 4.4V and Low Voltage DC 3.45V 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	31.7	32.98
DCS1900	Class 1	GMSK	29.19	30.2
UTRA BAND 2	Class 3	QPSK	23.39	25.43
UTRA BAND 4	Class 3	QPSK	23.41	25.38
UTRA BAND 5	Class 3	QPSK	23.48	25.3
E-UTRA Band 2	Class 3	QPSK	19.5	25
E-UTRA Band 2	Class 3	16QAM	19.49	24.98
E-UTRA Band 4	Class 3	QPSK	19.5	25
E-UTRA Band 4	Class 3	16QAM	19.48	25
E-UTRA Band 7	Class 3	QPSK	19.5	24.99
E-UTRA Band 7	Class 3	16QAM	19.48	24.98

3   TEST DESCRIPTION

3.1 Test Facility
The test site used to collect the radiated data is located at:
QTC Certification & Testing Co., Ltd.
Registration Number: 588523

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	X555	2AIZN-X555	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	9263	1852.6
Mid Range	5	9400	1880
High Range	5	9537	1907.4

URTA BAND 4			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	1313	1712.6
Mid Range	5	1450	1740
High Range	5	1512	1752.4

URTA BAND 5			
Test Channel	BW(MHz)	UL Channel	Frequency(MHz)
Low Range	5	4133	826.6
Mid Range	5	4175	835
High Range	5	4232	846.4

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

NOTE: The product only support 718MHz to 748MHz

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. (2.5ppm)	Pass
Peak to average ratio	§24.232(d)	<13dB	Pass

BAND 4(UTRA 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. (2.5ppm)	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.(2.5ppm)	Pass

BAND 5(GSM850/ UTRA Band 5):

Test Item	FCC Rule No.	Requirements	Judgement
Effective (Isotropic) Radiated Power	§2.1046, §2.913(a)	EIRP ≤ 7W(38.8dBm)	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	-13dBm	Pass
Field Strength of Spurious Radiation	§2.1053, §22.917	-13dBm	Pass
Frequency Stability	§2.1055, §22.355	the fundamental emissions stay within the authorized bands of operation. (2.5ppm)	Pass

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5 MEASUREMENT INSTRUMENTS

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

6 EFFECTIVE (ISOTROPIC) RADIATED POWER

6.1 Measurement Result

GSM850 BAND:

Mode	Frequency (MHz)	Peak Power	Avg.Burst Power	Tolerance	Duty cycle Factor(dB)	Frame Power(dBm)
GSM850	824.2	**32.98**	31.08	1.90	-9	22.08
	836.6	32.52	31.57	0.96	-9	22.57
	848.8	32.52	**31.70**	0.82	-9	22.70
GPRS850	824.2	29.92	28.02	1.90	-9	19.02
	836.6	29.44	28.14	1.30	-9	19.14
	848.8	29.98	28.08	1.90	-9	22.08
EGPRS850	824.2	25.17	24.90	0.27	-9	15.90
	836.6	25.18	24.89	0.29	-9	15.89
	848.8	25.70	24.27	1.43	-9	15.27

PCS1900 BAND:

Mode	Frequency (MHz)	Peak Power	Avg.Burst Power	Tolerance	Duty cycle Factor(dB)	Frame Power(dBm)
GSM1900	1850.2	**30.20**	28.85	1.36	-9	19.85
	1880	30.09	28.98	1.12	-9	19.98
	1909.8	29.94	**29.19**	0.75	-9	20.19
GPRS1900	1850.2	27.10	26.21	0.89	-9	17.21
	1880	27.93	26.88	1.05	-9	17.88
	1909.8	27.98	26.07	1.91	-9	17.07
EGPRS1900	1850.2	24.93	23.72	1.21	-9	14.72
	1880	24.17	23.50	0.67	-9	14.50
	1909.8	24.30	23.65	0.65	-9	14.65

UTRA BANDS:

BAND 2:

Mode	Frequency (MHz)	Peak Power (dBm)	Avg. Burst Power(dBm)	PAPR (dB)
RMC 12.2K	1852.6	**25.43**	22.99	2.44
	1880	24.60	23.09	1.51
	1907.4	25.18	**23.30**	1.88
HSDPA SUBTEST 1	1852.6	24.95	23.03	1.92
	1880	24.82	22.77	2.05
	1907.4	24.84	23.39	1.45
HSUPA SUBTEST 1	1852.6	24.58	22.59	1.99
	1880	24.83	22.77	2.06
	1907.4	25.14	22.92	2.22

BAND 4:

Mode	Frequency (MHz)	Peak Power (dBm)	Avg. Burst Power(dBm)	PAPR (dB)
RMC 12.2K	1712.6	**25.38**	22.99	2.40
	1740	25.05	22.82	2.23
	1752.4	24.94	**23.14**	1.80
HSDPA SUBTEST 1	1712.6	24.55	22.81	1.74
	1740	25.09	22.61	2.49
	1752.4	25.17	22.61	2.57
HSUPA SUBTEST 1	1712.6	24.83	22.54	2.29
	1740	24.85	23.41	1.44
	1752.4	24.70	22.92	1.78

BAND 5:

Mode	Frequency (MHz)	Peak Power (dBm)	Avg. Burst Power(dBm)	PAPR (dB)
RMC 12.2K	826.6	**25.30**	22.91	2.39
	835	24.94	22.79	2.15
	846.4	24.97	**23.48**	1.50
HSDPA SUBTEST 1	826.6	24.57	23.43	1.14
	835	24.84	23.10	1.74
	846.4	24.55	23.02	1.53
HSUPA SUBTEST 1	826.6	24.72	23.33	1.39
	835	25.19	22.86	2.32
	846.4	24.98	22.53	2.45

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	19.02	24.77
1.4	18607	1850.7	QPSK	1	MID	19.21	24.03
1.4	18607	1850.7	QPSK	1	HIGH	19.43	24.3
1.4	18607	1850.7	QPSK	3	LOW	18.9	24.61
1.4	18607	1850.7	QPSK	3	MID	18.89	24.13
1.4	18607	1850.7	QPSK	3	HIGH	18.59	24.77
1.4	18607	1850.7	QPSK	6	LOW	19.07	24.05
1.4	18607	1850.7	Q16	1	LOW	19.46	24.5
1.4	18607	1850.7	Q16	1	MID	19.5	24.41
1.4	18607	1850.7	Q16	1	HIGH	19.01	24.45
1.4	18607	1850.7	Q16	3	LOW	19.33	24.02
1.4	18607	1850.7	Q16	3	MID	18.77	24.88
1.4	18607	1850.7	Q16	3	HIGH	18.71	24.09
1.4	18607	1850.7	Q16	6	LOW	18.67	24.76
1.4	18900	1880	QPSK	1	LOW	18.71	24
1.4	18900	1880	QPSK	1	MID	19.21	24.25
1.4	18900	1880	QPSK	1	HIGH	19.12	24.84
1.4	18900	1880	QPSK	3	LOW	18.82	24.66
1.4	18900	1880	QPSK	3	MID	19.5	24.35
1.4	18900	1880	QPSK	3	HIGH	19.09	24.36
1.4	18900	1880	QPSK	6	LOW	19.25	24.21
1.4	18900	1880	Q16	1	LOW	18.92	24.59
1.4	18900	1880	Q16	1	MID	19.5	24.09
1.4	18900	1880	Q16	1	HIGH	18.9	24.53
1.4	18900	1880	Q16	3	LOW	19.5	24.77
1.4	18900	1880	Q16	3	MID	19.05	24.62
1.4	18900	1880	Q16	3	HIGH	19.38	24.58
1.4	18900	1880	Q16	6	LOW	18.93	24.37
1.4	19193	1909.3	QPSK	1	LOW	19.12	24.07
1.4	19193	1909.3	QPSK	1	MID	19.08	24.75
1.4	19193	1909.3	QPSK	1	HIGH	19.34	24.78
1.4	19193	1909.3	QPSK	3	LOW	18.91	24.6
1.4	19193	1909.3	QPSK	3	MID	19.17	24.04
1.4	19193	1909.3	QPSK	3	HIGH	18.62	24.22
1.4	19193	1909.3	QPSK	6	LOW	19.32	24.58

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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
1.4	19193	1909.3	Q16	1	LOW	19.05	24.46
1.4	19193	1909.3	Q16	1	MID	18.99	24.02
1.4	19193	1909.3	Q16	1	HIGH	19.46	24.6
1.4	19193	1909.3	Q16	3	LOW	19.34	24
1.4	19193	1909.3	Q16	3	MID	18.6	24.02
1.4	19193	1909.3	Q16	3	HIGH	19.24	24.89
1.4	19193	1909.3	Q16	6	LOW	18.51	24.4
3	18615	1851.5	QPSK	1	LOW	19.2	24.24
3	18615	1851.5	QPSK	1	MID	19.05	24.04
3	18615	1851.5	QPSK	1	HIGH	18.59	24.75
3	18615	1851.5	QPSK	8	LOW	18.53	24.21
3	18615	1851.5	QPSK	8	MID	18.51	24.62
3	18615	1851.5	QPSK	8	HIGH	19.07	24.58
3	18615	1851.5	QPSK	15	LOW	18.69	24.35
3	18615	1851.5	Q16	1	LOW	19.11	24.93
3	18615	1851.5	Q16	1	MID	19.27	24.71
3	18615	1851.5	Q16	1	HIGH	19.38	24.48
3	18615	1851.5	Q16	8	LOW	19.37	24.92
3	18615	1851.5	Q16	8	MID	18.59	24.65
3	18615	1851.5	Q16	8	HIGH	18.69	24.67
3	18615	1851.5	Q16	15	LOW	18.95	24.63
3	18900	1880	QPSK	1	LOW	19.18	24.96
3	18900	1880	QPSK	1	MID	18.78	24.2
3	18900	1880	QPSK	1	HIGH	18.73	24.4
3	18900	1880	QPSK	8	LOW	18.81	24.24
3	18900	1880	QPSK	8	MID	19.31	24.69
3	18900	1880	QPSK	8	HIGH	19.41	24.92
3	18900	1880	QPSK	15	LOW	18.94	24.57
3	18900	1880	Q16	1	LOW	19.29	24.2
3	18900	1880	Q16	1	MID	18.69	24.51
3	18900	1880	Q16	1	HIGH	19.43	24.48
3	18900	1880	Q16	8	LOW	19.25	24.63
3	18900	1880	Q16	8	MID	19.3	24.82
3	18900	1880	Q16	8	HIGH	18.85	24.82
3	18900	1880	Q16	15	LOW	19.13	24.34
3	19185	1908.5	QPSK	1	LOW	18.67	24.62
3	19185	1908.5	QPSK	1	MID	19.03	24.81

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
3	19185	1908.5	QPSK	1	HIGH	18.75	24.5
3	19185	1908.5	QPSK	8	LOW	19.1	24.88
3	19185	1908.5	QPSK	8	MID	19.41	24.66
3	19185	1908.5	QPSK	8	HIGH	18.76	24.41
3	19185	1908.5	QPSK	15	LOW	19.37	24.64
3	19185	1908.5	Q16	1	LOW	19.43	24.02
3	19185	1908.5	Q16	1	MID	18.84	24.85
3	19185	1908.5	Q16	1	HIGH	19.24	24.93
3	19185	1908.5	Q16	8	LOW	19.33	24.71
3	19185	1908.5	Q16	8	MID	18.91	24.45
3	19185	1908.5	Q16	8	HIGH	19.39	24.13
3	19185	1908.5	Q16	15	LOW	18.81	24.02
5	18625	1852.5	QPSK	1	LOW	19.5	24.14
5	18625	1852.5	QPSK	1	MID	18.96	24.48
5	18625	1852.5	QPSK	1	HIGH	18.66	24.33
5	18625	1852.5	QPSK	12	LOW	19.2	24.12
5	18625	1852.5	QPSK	12	MID	18.58	24.57
5	18625	1852.5	QPSK	12	HIGH	18.52	24.89
5	18625	1852.5	QPSK	25	LOW	19.36	24.15
5	18625	1852.5	Q16	1	LOW	19.13	24.83
5	18625	1852.5	Q16	1	MID	18.72	24.75
5	18625	1852.5	Q16	1	HIGH	18.88	24.51
5	18625	1852.5	Q16	12	LOW	18.54	24.86
5	18625	1852.5	Q16	12	MID	19.19	24.36
5	18625	1852.5	Q16	12	HIGH	19.46	24.75
5	18625	1852.5	Q16	25	LOW	19.12	24.15
5	18900	1880	QPSK	1	LOW	18.78	24.01
5	18900	1880	QPSK	1	MID	19.2	24.9
5	18900	1880	QPSK	1	HIGH	19.4	24.16
5	18900	1880	QPSK	12	LOW	18.89	24.84
5	18900	1880	QPSK	12	MID	18.73	24.58
5	18900	1880	QPSK	12	HIGH	18.69	24.83
5	18900	1880	QPSK	25	LOW	19.13	24.74
5	18900	1880	Q16	1	LOW	19.21	24.92
5	18900	1880	Q16	1	MID	18.56	24.17
5	18900	1880	Q16	1	HIGH	19.04	24.06
5	18900	1880	Q16	12	LOW	19.08	24.48

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
5	18900	1880	Q16	12	MID	19.02	24.64
5	18900	1880	Q16	12	HIGH	19.11	24.56
5	18900	1880	Q16	25	LOW	18.84	24.75
5	19175	1907.5	QPSK	1	LOW	18.64	24.69
5	19175	1907.5	QPSK	1	MID	18.69	24.89
5	19175	1907.5	QPSK	1	HIGH	18.5	24.8
5	19175	1907.5	QPSK	12	LOW	19.22	24.82
5	19175	1907.5	QPSK	12	MID	18.67	24.05
5	19175	1907.5	QPSK	12	HIGH	19.3	24.98
5	19175	1907.5	QPSK	25	LOW	18.85	24.38
5	19175	1907.5	Q16	1	LOW	18.82	24.62
5	19175	1907.5	Q16	1	MID	18.55	24.5
5	19175	1907.5	Q16	1	HIGH	18.7	24.46
5	19175	1907.5	Q16	12	LOW	18.6	25
5	19175	1907.5	Q16	12	MID	18.5	25
5	19175	1907.5	Q16	12	HIGH	18.8	24.4
5	19175	1907.5	Q16	25	LOW	19.17	24.29
10	18650	1855	QPSK	1	LOW	19.43	24.28
10	18650	1855	QPSK	1	MID	19.06	24.96
10	18650	1855	QPSK	1	HIGH	18.95	24.02
10	18650	1855	QPSK	25	LOW	19.3	24.33
10	18650	1855	QPSK	25	MID	18.52	24.7
10	18650	1855	QPSK	25	HIGH	18.97	24.36
10	18650	1855	QPSK	50	LOW	19	24.99
10	18650	1855	Q16	1	LOW	19.14	24.19
10	18650	1855	Q16	1	MID	18.67	24.15
10	18650	1855	Q16	1	HIGH	19.29	24.16
10	18650	1855	Q16	25	LOW	18.9	24.5
10	18650	1855	Q16	25	MID	19.43	24.57
10	18650	1855	Q16	25	HIGH	19.05	24.57
10	18650	1855	Q16	50	LOW	19.27	24.23
10	18900	1880	QPSK	1	LOW	19.21	24.09
10	18900	1880	QPSK	1	MID	18.96	24.92
10	18900	1880	QPSK	1	HIGH	19.22	24.73
10	18900	1880	QPSK	25	LOW	19.08	24.51
10	18900	1880	QPSK	25	MID	18.96	24.58
10	18900	1880	QPSK	25	HIGH	19.43	24.93

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
10	18900	1880	QPSK	50	LOW	18.83	24.5
10	18900	1880	Q16	1	LOW	18.95	24.8
10	18900	1880	Q16	1	MID	19.44	24.72
10	18900	1880	Q16	1	HIGH	19.37	24.4
10	18900	1880	Q16	25	LOW	18.92	24.6
10	18900	1880	Q16	25	MID	19.26	24.75
10	18900	1880	Q16	25	HIGH	19.41	24.94
10	18900	1880	Q16	50	LOW	19.14	24.12
10	19150	1905	QPSK	1	LOW	18.75	24.08
10	19150	1905	QPSK	1	MID	18.56	24.23
10	19150	1905	QPSK	1	HIGH	18.75	24.83
10	19150	1905	QPSK	25	LOW	18.82	24.51
10	19150	1905	QPSK	25	MID	18.73	24.75
10	19150	1905	QPSK	25	HIGH	19.29	24.62
10	19150	1905	QPSK	50	LOW	18.75	24.22
10	19150	1905	Q16	1	LOW	18.76	24.53
10	19150	1905	Q16	1	MID	19.46	24.76
10	19150	1905	Q16	1	HIGH	19.01	24.75
10	19150	1905	Q16	25	LOW	19.23	24.62
10	19150	1905	Q16	25	MID	18.93	24.16
10	19150	1905	Q16	25	HIGH	18.8	24.21
10	19150	1905	Q16	50	LOW	19	24.77
15	18675	1857.5	QPSK	1	LOW	18.74	25
15	18675	1857.5	QPSK	1	MID	19.49	24.76
15	18675	1857.5	QPSK	1	HIGH	19.31	24.89
15	18675	1857.5	QPSK	36	LOW	18.97	24.76
15	18675	1857.5	QPSK	36	MID	19.03	24.63
15	18675	1857.5	QPSK	36	HIGH	18.71	24.15
15	18675	1857.5	QPSK	75	LOW	19.1	24.37
15	18675	1857.5	Q16	1	LOW	18.98	24.16
15	18675	1857.5	Q16	1	MID	18.9	24.68
15	18675	1857.5	Q16	1	HIGH	18.8	24.92
15	18675	1857.5	Q16	36	LOW	19.06	24.78
15	18675	1857.5	Q16	36	MID	19.16	24.29
15	18675	1857.5	Q16	36	HIGH	19.34	24.99
15	18675	1857.5	Q16	75	LOW	19.16	24.79
15	18900	1880	QPSK	1	LOW	19.41	24.44

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
15	18900	1880	QPSK	1	MID	19.41	24.45
15	18900	1880	QPSK	1	HIGH	19.07	24.18
15	18900	1880	QPSK	36	LOW	18.52	24.52
15	18900	1880	QPSK	36	MID	19	24.5
15	18900	1880	QPSK	36	HIGH	19.26	24.07
15	18900	1880	QPSK	75	LOW	19.47	24.69
15	18900	1880	Q16	1	LOW	18.98	24.88
15	18900	1880	Q16	1	MID	19.08	24.93
15	18900	1880	Q16	1	HIGH	18.67	24.45
15	18900	1880	Q16	36	LOW	18.71	24.31
15	18900	1880	Q16	36	MID	18.92	24.35
15	18900	1880	Q16	36	HIGH	18.5	24.08
15	18900	1880	Q16	75	LOW	18.72	24.8
15	19125	1902.5	QPSK	1	LOW	19.49	24.25
15	19125	1902.5	QPSK	1	MID	18.9	24.06
15	19125	1902.5	QPSK	1	HIGH	18.5	24.61
15	19125	1902.5	QPSK	36	LOW	18.67	24.1
15	19125	1902.5	QPSK	36	MID	18.53	24.51
15	19125	1902.5	QPSK	36	HIGH	18.71	24.15
15	19125	1902.5	QPSK	75	LOW	18.61	24.82
15	19125	1902.5	Q16	1	LOW	19.06	24.1
15	19125	1902.5	Q16	1	MID	18.84	24.03
15	19125	1902.5	Q16	1	HIGH	18.5	24.41
15	19125	1902.5	Q16	36	LOW	18.65	24.4
15	19125	1902.5	Q16	36	MID	19.01	24.73
15	19125	1902.5	Q16	36	HIGH	19.21	24.61
15	19125	1902.5	Q16	75	LOW	18.95	24.07
20	18700	1860	QPSK	1	LOW	18.62	24.06
20	18700	1860	QPSK	1	MID	19.09	24.81
20	18700	1860	QPSK	1	HIGH	19.04	24.85
20	18700	1860	QPSK	50	LOW	19.14	24.18
20	18700	1860	QPSK	50	MID	19.16	24.91
20	18700	1860	QPSK	50	HIGH	18.7	24.93
20	18700	1860	QPSK	100	LOW	18.5	24.13
20	18700	1860	Q16	1	LOW	18.98	24.52
20	18700	1860	Q16	1	MID	18.59	24.28
20	18700	1860	Q16	1	HIGH	19.03	24.38

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
20	18700	1860	Q16	50	LOW	19.03	24.39
20	18700	1860	Q16	50	MID	18.57	24.37
20	18700	1860	Q16	50	HIGH	19.13	24.18
20	18700	1860	Q16	100	LOW	18.57	24.62
20	18900	1880	QPSK	1	LOW	18.76	24.68
20	18900	1880	QPSK	1	MID	19.24	24.28
20	18900	1880	QPSK	1	HIGH	19.12	24.2
20	18900	1880	QPSK	50	LOW	18.76	24.74
20	18900	1880	QPSK	50	MID	19.46	24.88
20	18900	1880	QPSK	50	HIGH	19.24	24.16
20	18900	1880	QPSK	100	LOW	19.19	24.74
20	18900	1880	Q16	1	LOW	18.63	24.54
20	18900	1880	Q16	1	MID	19.27	24.05
20	18900	1880	Q16	1	HIGH	19.38	24.39
20	18900	1880	Q16	50	LOW	18.71	25
20	18900	1880	Q16	50	MID	19.42	24.77
20	18900	1880	Q16	50	HIGH	18.53	24.29
20	18900	1880	Q16	100	LOW	18.9	24.5
20	19100	1900	QPSK	1	LOW	18.52	24.38
20	19100	1900	QPSK	1	MID	19.39	24.35
20	19100	1900	QPSK	1	HIGH	19.05	24.88
20	19100	1900	QPSK	50	LOW	18.7	24.19
20	19100	1900	QPSK	50	MID	18.65	24.45
20	19100	1900	QPSK	50	HIGH	19.28	24.81
20	19100	1900	QPSK	100	LOW	18.88	24.26
20	19100	1900	Q16	1	LOW	19.18	24.2
20	19100	1900	Q16	1	MID	18.63	24.54
20	19100	1900	Q16	1	HIGH	19.36	24.66
20	19100	1900	Q16	50	LOW	19.13	24.85
20	19100	1900	Q16	50	MID	19.08	24.91
20	19100	1900	Q16	50	HIGH	18.68	24.31
20	19100	1900	Q16	100	LOW	18.63	24.32

BAND 4:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
1.4	19957	1710.7	QPSK	1	LOW	19.23	24.08
1.4	19957	1710.7	QPSK	1	MID	19.12	24.12
1.4	19957	1710.7	QPSK	1	HIGH	18.89	24.62
1.4	19957	1710.7	QPSK	3	LOW	18.63	24.42
1.4	19957	1710.7	QPSK	3	MID	18.75	24.74
1.4	19957	1710.7	QPSK	3	HIGH	18.83	24.06
1.4	19957	1710.7	QPSK	6	LOW	18.84	24.4
1.4	19957	1710.7	Q16	1	LOW	18.97	24.79
1.4	19957	1710.7	Q16	1	MID	18.54	24.29
1.4	19957	1710.7	Q16	1	HIGH	18.8	24.28
1.4	19957	1710.7	Q16	3	LOW	18.73	24.75
1.4	19957	1710.7	Q16	3	MID	18.8	24.66
1.4	19957	1710.7	Q16	3	HIGH	19.38	24.35
1.4	19957	1710.7	Q16	6	LOW	19.05	24.57
1.4	20393	1754.3	QPSK	1	LOW	18.81	24.29
1.4	20393	1754.3	QPSK	1	MID	19.22	24.81
1.4	20393	1754.3	QPSK	1	HIGH	18.79	24.15
1.4	20393	1754.3	QPSK	3	LOW	18.57	25
1.4	20393	1754.3	QPSK	3	MID	18.83	24.84
1.4	20393	1754.3	QPSK	3	HIGH	19.5	24.84
1.4	20393	1754.3	QPSK	6	LOW	19.22	24.61
1.4	20393	1754.3	Q16	1	LOW	18.52	24.28
1.4	20393	1754.3	Q16	1	MID	18.68	24.4
1.4	20393	1754.3	Q16	1	HIGH	19.3	24.42
1.4	20393	1754.3	Q16	3	LOW	19.45	24.85
1.4	20393	1754.3	Q16	3	MID	18.55	24.17
1.4	20393	1754.3	Q16	3	HIGH	18.64	24.34
1.4	20393	1754.3	Q16	6	LOW	19.18	24.6
1.4	20175	1732.5	QPSK	1	LOW	18.57	24.47
1.4	20175	1732.5	QPSK	1	MID	18.92	24.94
1.4	20175	1732.5	QPSK	1	HIGH	18.59	24.65
1.4	20175	1732.5	QPSK	3	LOW	19.49	24.45
1.4	20175	1732.5	QPSK	3	MID	19.43	24.05
1.4	20175	1732.5	QPSK	3	HIGH	18.66	24.91
1.4	20175	1732.5	QPSK	6	LOW	19.23	24.46
1.4	20175	1732.5	Q16	1	LOW	18.86	24.31

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
1.4	20175	1732.5	Q16	1	MID	18.74	24.71
1.4	20175	1732.5	Q16	1	HIGH	18.67	24.29
1.4	20175	1732.5	Q16	3	LOW	18.56	24.15
1.4	20175	1732.5	Q16	3	MID	18.56	24.79
1.4	20175	1732.5	Q16	3	HIGH	18.75	24.32
1.4	20175	1732.5	Q16	6	LOW	19.24	24.47
3	19965	1711.5	QPSK	1	LOW	19.4	24.57
3	19965	1711.5	QPSK	1	MID	18.84	24.73
3	19965	1711.5	QPSK	1	HIGH	19.34	24.9
3	19965	1711.5	QPSK	8	LOW	19.13	24.58
3	19965	1711.5	QPSK	8	MID	18.65	24.3
3	19965	1711.5	QPSK	8	HIGH	19.23	24.17
3	19965	1711.5	QPSK	15	LOW	19.19	24.41
3	19965	1711.5	Q16	1	LOW	19.39	24.68
3	19965	1711.5	Q16	1	MID	18.56	24.12
3	19965	1711.5	Q16	1	HIGH	19.13	24.65
3	19965	1711.5	Q16	8	LOW	18.93	24.9
3	19965	1711.5	Q16	8	MID	18.5	24.78
3	19965	1711.5	Q16	8	HIGH	19.28	24.34
3	19965	1711.5	Q16	15	LOW	19.15	24.04
3	20385	1753.5	QPSK	1	LOW	18.67	24.73
3	20385	1753.5	QPSK	1	MID	19.01	24.88
3	20385	1753.5	QPSK	1	HIGH	18.93	24.86
3	20385	1753.5	QPSK	8	LOW	19.07	24.25
3	20385	1753.5	QPSK	8	MID	18.55	24.43
3	20385	1753.5	QPSK	8	HIGH	18.87	24.61
3	20385	1753.5	QPSK	15	LOW	18.5	24.72
3	20385	1753.5	Q16	1	LOW	19.13	24.63
3	20385	1753.5	Q16	1	MID	19.24	24.78
3	20385	1753.5	Q16	1	HIGH	19.09	24.91
3	20385	1753.5	Q16	8	LOW	19.38	24.46
3	20385	1753.5	Q16	8	MID	18.78	24.53
3	20385	1753.5	Q16	8	HIGH	19.06	24.06
3	20385	1753.5	Q16	15	LOW	19.37	24.39
3	20175	1732.5	QPSK	1	LOW	19.46	24.17
3	20175	1732.5	QPSK	1	MID	18.61	24.04
3	20175	1732.5	QPSK	1	HIGH	18.78	24.63

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
3	20175	1732.5	QPSK	8	LOW	18.72	24.71
3	20175	1732.5	QPSK	8	MID	18.94	24.89
3	20175	1732.5	QPSK	8	HIGH	18.85	24.82
3	20175	1732.5	QPSK	15	LOW	18.65	24.68
3	20175	1732.5	Q16	1	LOW	19.29	24.6
3	20175	1732.5	Q16	1	MID	18.51	24.24
3	20175	1732.5	Q16	1	HIGH	19.2	24
3	20175	1732.5	Q16	8	LOW	19.02	24.31
3	20175	1732.5	Q16	8	MID	19.1	24.13
3	20175	1732.5	Q16	8	HIGH	18.54	24.77
3	20175	1732.5	Q16	15	LOW	19.33	24.13
5	19975	1712.5	QPSK	1	LOW	19.25	24.8
5	19975	1712.5	QPSK	1	MID	18.7	24.09
5	19975	1712.5	QPSK	1	HIGH	18.6	24.61
5	19975	1712.5	QPSK	12	LOW	18.87	24.94
5	19975	1712.5	QPSK	12	MID	19.45	24.2
5	19975	1712.5	QPSK	12	HIGH	18.74	24.16
5	19975	1712.5	QPSK	25	LOW	18.81	24.26
5	19975	1712.5	Q16	1	LOW	19.21	24.69
5	19975	1712.5	Q16	1	MID	18.96	24.18
5	19975	1712.5	Q16	1	HIGH	18.55	24.15
5	19975	1712.5	Q16	12	LOW	18.69	24.99
5	19975	1712.5	Q16	12	MID	18.52	24.48
5	19975	1712.5	Q16	12	HIGH	19.22	24.7
5	19975	1712.5	Q16	25	LOW	18.98	24.09
5	20375	1752.5	QPSK	1	LOW	19.2	24.87
5	20375	1752.5	QPSK	1	MID	19.05	24.94
5	20375	1752.5	QPSK	1	HIGH	18.8	24.87
5	20375	1752.5	QPSK	12	LOW	19.11	24.58
5	20375	1752.5	QPSK	12	MID	18.97	24.6
5	20375	1752.5	QPSK	12	HIGH	19.1	24.7
5	20375	1752.5	QPSK	25	LOW	18.82	24.04
5	20375	1752.5	Q16	1	LOW	19.36	24.16
5	20375	1752.5	Q16	1	MID	19.47	24.4
5	20375	1752.5	Q16	1	HIGH	19.26	24.57
5	20375	1752.5	Q16	12	LOW	18.66	24.08
5	20375	1752.5	Q16	12	MID	18.67	24.26

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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
5	20375	1752.5	Q16	12	HIGH	19.09	24.62
5	20375	1752.5	Q16	25	LOW	18.74	24.06
5	20175	1732.5	QPSK	1	LOW	18.98	24.62
5	20175	1732.5	QPSK	1	MID	18.98	24.13
5	20175	1732.5	QPSK	1	HIGH	19.12	24.94
5	20175	1732.5	QPSK	12	LOW	19.06	24.11
5	20175	1732.5	QPSK	12	MID	19.34	24.6
5	20175	1732.5	QPSK	12	HIGH	19.06	24.91
5	20175	1732.5	QPSK	25	LOW	18.87	24.28
5	20175	1732.5	Q16	1	LOW	18.57	24.05
5	20175	1732.5	Q16	1	MID	19.49	24.42
5	20175	1732.5	Q16	1	HIGH	19.29	24.99
5	20175	1732.5	Q16	12	LOW	18.93	24.98
5	20175	1732.5	Q16	12	MID	18.77	24.01
5	20175	1732.5	Q16	12	HIGH	19.49	24.08
5	20175	1732.5	Q16	25	LOW	18.74	24.18
10	20000	1715	QPSK	1	LOW	18.55	24.52
10	20000	1715	QPSK	1	MID	19.36	24.39
10	20000	1715	QPSK	1	HIGH	18.93	24.36
10	20000	1715	QPSK	25	LOW	18.63	24.49
10	20000	1715	QPSK	25	MID	18.95	24.73
10	20000	1715	QPSK	25	HIGH	19.29	24.12
10	20000	1715	QPSK	50	LOW	19.21	24.1
10	20000	1715	Q16	1	LOW	18.93	24.66
10	20000	1715	Q16	1	MID	18.79	24.26
10	20000	1715	Q16	1	HIGH	18.52	24.22
10	20000	1715	Q16	25	LOW	18.58	24.78
10	20000	1715	Q16	25	MID	19.03	24.44
10	20000	1715	Q16	25	HIGH	18.84	24.14
10	20000	1715	Q16	50	LOW	19.05	24.03
10	20350	1750	QPSK	1	LOW	18.64	24.55
10	20350	1750	QPSK	1	MID	18.74	24.99
10	20350	1750	QPSK	1	HIGH	18.53	24.33
10	20350	1750	QPSK	25	LOW	18.95	24.93
10	20350	1750	QPSK	25	MID	19.27	24.23
10	20350	1750	QPSK	25	HIGH	18.87	24.16
10	20350	1750	QPSK	50	LOW	18.98	24.29

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
10	20350	1750	Q16	1	LOW	18.82	24.11
10	20350	1750	Q16	1	MID	19.31	24.05
10	20350	1750	Q16	1	HIGH	18.81	24.3
10	20350	1750	Q16	25	LOW	18.77	24.34
10	20350	1750	Q16	25	MID	18.66	24.26
10	20350	1750	Q16	25	HIGH	19.33	24.08
10	20350	1750	Q16	50	LOW	18.62	24.41
10	20175	1732.5	QPSK	1	LOW	18.68	24.87
10	20175	1732.5	QPSK	1	MID	18.92	24.67
10	20175	1732.5	QPSK	1	HIGH	18.84	24.8
10	20175	1732.5	QPSK	25	LOW	18.97	24.35
10	20175	1732.5	QPSK	25	MID	18.72	24.23
10	20175	1732.5	QPSK	25	HIGH	18.56	24.85
10	20175	1732.5	QPSK	50	LOW	19.08	24.72
10	20175	1732.5	Q16	1	LOW	18.59	24.82
10	20175	1732.5	Q16	1	MID	18.51	24.47
10	20175	1732.5	Q16	1	HIGH	18.96	24.92
10	20175	1732.5	Q16	25	LOW	18.73	24.4
10	20175	1732.5	Q16	25	MID	19.37	24.1
10	20175	1732.5	Q16	25	HIGH	18.96	24.34
10	20175	1732.5	Q16	50	LOW	18.63	24.51
15	20025	1717.5	QPSK	1	LOW	19.33	24.04
15	20025	1717.5	QPSK	1	MID	18.82	24.05
15	20025	1717.5	QPSK	1	HIGH	18.9	24.99
15	20025	1717.5	QPSK	36	LOW	19.2	24.28
15	20025	1717.5	QPSK	36	MID	19.2	24.51
15	20025	1717.5	QPSK	36	HIGH	18.79	24.65
15	20025	1717.5	QPSK	75	LOW	18.65	24.87
15	20025	1717.5	Q16	1	LOW	18.63	24.42
15	20025	1717.5	Q16	1	MID	18.83	24.67
15	20025	1717.5	Q16	1	HIGH	18.81	24.37
15	20025	1717.5	Q16	36	LOW	19.5	24.51
15	20025	1717.5	Q16	36	MID	19.04	24.21
15	20025	1717.5	Q16	36	HIGH	19.14	24.09
15	20025	1717.5	Q16	75	LOW	19.4	24.09
15	20325	1747.5	QPSK	1	LOW	19.35	24.12
15	20325	1747.5	QPSK	1	MID	18.69	24.51

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
15	20325	1747.5	QPSK	1	HIGH	19.09	24.54
15	20325	1747.5	QPSK	36	LOW	18.9	24.44
15	20325	1747.5	QPSK	36	MID	18.84	24.12
15	20325	1747.5	QPSK	36	HIGH	19.18	24.53
15	20325	1747.5	QPSK	75	LOW	18.56	24.36
15	20325	1747.5	Q16	1	LOW	18.66	24.86
15	20325	1747.5	Q16	1	MID	19.5	24.58
15	20325	1747.5	Q16	1	HIGH	18.58	24.9
15	20325	1747.5	Q16	36	LOW	19.09	24.22
15	20325	1747.5	Q16	36	MID	19.49	24.25
15	20325	1747.5	Q16	36	HIGH	18.91	24.69
15	20325	1747.5	Q16	75	LOW	18.6	24.84
15	20175	1732.5	QPSK	1	LOW	19.48	24.67
15	20175	1732.5	QPSK	1	MID	18.7	24.77
15	20175	1732.5	QPSK	1	HIGH	19.43	24.71
15	20175	1732.5	QPSK	36	LOW	18.58	24.12
15	20175	1732.5	QPSK	36	MID	18.99	24.44
15	20175	1732.5	QPSK	36	HIGH	19.21	24.51
15	20175	1732.5	QPSK	75	LOW	18.84	24.51
15	20175	1732.5	Q16	1	LOW	18.99	24.59
15	20175	1732.5	Q16	1	MID	19.5	24.48
15	20175	1732.5	Q16	1	HIGH	18.97	24.31
15	20175	1732.5	Q16	36	LOW	18.84	24.56
15	20175	1732.5	Q16	36	MID	18.68	24.89
15	20175	1732.5	Q16	36	HIGH	19.39	24.29
15	20175	1732.5	Q16	75	LOW	18.56	24.82
20	20050	1720	QPSK	1	LOW	19.16	24.85
20	20050	1720	QPSK	1	MID	18.97	24.58
20	20050	1720	QPSK	1	HIGH	18.76	24.77
20	20050	1720	QPSK	50	LOW	19.46	24.71
20	20050	1720	QPSK	50	MID	19.26	24.15
20	20050	1720	QPSK	50	HIGH	19.09	24.63
20	20050	1720	QPSK	100	LOW	18.89	24.62
20	20050	1720	Q16	1	LOW	19.17	24.96
20	20050	1720	Q16	1	MID	19.43	24.17
20	20050	1720	Q16	1	HIGH	18.68	24.21
20	20050	1720	Q16	50	LOW	19.2	24.86

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
20	20050	1720	Q16	50	MID	19.09	24.32
20	20050	1720	Q16	50	HIGH	19.49	24.73
20	20050	1720	Q16	100	LOW	19.37	24.91
20	20300	1745	QPSK	1	LOW	18.74	24.41
20	20300	1745	QPSK	1	MID	18.63	24.11
20	20300	1745	QPSK	1	HIGH	18.67	24.47
20	20300	1745	QPSK	50	LOW	19.15	24.5
20	20300	1745	QPSK	50	MID	18.68	24.78
20	20300	1745	QPSK	50	HIGH	18.99	24.2
20	20300	1745	QPSK	100	LOW	19.02	24.63
20	20300	1745	Q16	1	LOW	18.72	24.09
20	20300	1745	Q16	1	MID	19.26	24.22
20	20300	1745	Q16	1	HIGH	18.7	24.86
20	20300	1745	Q16	50	LOW	18.52	24.57
20	20300	1745	Q16	50	MID	19.28	24.27
20	20300	1745	Q16	50	HIGH	18.78	24.79
20	20300	1745	Q16	100	LOW	19.24	24.04
20	20175	1732.5	QPSK	1	LOW	18.87	24.21
20	20175	1732.5	QPSK	1	MID	19.14	24.96
20	20175	1732.5	QPSK	1	HIGH	19.43	24.11
20	20175	1732.5	QPSK	50	LOW	18.88	24.43
20	20175	1732.5	QPSK	50	MID	18.82	24.92
20	20175	1732.5	QPSK	50	HIGH	19.46	24.59
20	20175	1732.5	QPSK	100	LOW	18.98	24.36
20	20175	1732.5	Q16	1	LOW	19.39	24.91
20	20175	1732.5	Q16	1	MID	18.63	24.29
20	20175	1732.5	Q16	1	HIGH	18.99	24.67
20	20175	1732.5	Q16	50	LOW	19.15	24.58
20	20175	1732.5	Q16	50	MID	18.71	24.94
20	20175	1732.5	Q16	50	HIGH	18.58	24.53
20	20175	1732.5	Q16	100	LOW	18.91	24.39

BAND 7:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
5	20775	2502.5	QPSK	1	LOW	19.31	24.61
5	20775	2502.5	QPSK	1	MID	19.46	24.05
5	20775	2502.5	QPSK	1	HIGH	19.44	24.74
5	20775	2502.5	QPSK	12	LOW	18.71	24.21
5	20775	2502.5	QPSK	12	MID	19.33	24.66
5	20775	2502.5	QPSK	12	HIGH	18.67	24.61
5	20775	2502.5	QPSK	25	LOW	19.45	24.85
5	20775	2502.5	Q16	1	LOW	19.33	24.46
5	20775	2502.5	Q16	1	MID	19.17	24.55
5	20775	2502.5	Q16	1	HIGH	19.09	24.67
5	20775	2502.5	Q16	12	LOW	19.25	24.3
5	20775	2502.5	Q16	12	MID	19.35	24.73
5	20775	2502.5	Q16	12	HIGH	19.25	24.11
5	20775	2502.5	Q16	25	LOW	18.85	24.7
5	21425	2567.5	QPSK	1	LOW	19.29	24.58
5	21425	2567.5	QPSK	1	MID	18.58	24.43
5	21425	2567.5	QPSK	1	HIGH	18.75	24.54
5	21425	2567.5	QPSK	12	LOW	19	24.47
5	21425	2567.5	QPSK	12	MID	18.79	24.93
5	21425	2567.5	QPSK	12	HIGH	19.38	24.49
5	21425	2567.5	QPSK	25	LOW	18.96	24.14
5	21425	2567.5	Q16	1	LOW	19.41	24.39
5	21425	2567.5	Q16	1	MID	18.93	24.22
5	21425	2567.5	Q16	1	HIGH	19.05	24.62
5	21425	2567.5	Q16	12	LOW	19.09	24.52
5	21425	2567.5	Q16	12	MID	18.63	24.98
5	21425	2567.5	Q16	12	HIGH	18.64	24.65
5	21425	2567.5	Q16	25	LOW	18.98	24.51
5	21100	2535	QPSK	1	LOW	18.55	24.3
5	21100	2535	QPSK	1	MID	18.6	24.83
5	21100	2535	QPSK	1	HIGH	18.69	24.69
5	21100	2535	QPSK	12	LOW	18.9	24.38
5	21100	2535	QPSK	12	MID	18.53	24.41
5	21100	2535	QPSK	12	HIGH	18.94	24.39
5	21100	2535	QPSK	25	LOW	18.72	24.39
5	21100	2535	QPSK	1	LOW	19.3	24.59
5	21100	2535	QPSK	1	MID	19.23	24.23

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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
5	21100	2535	QPSK	1	HIGH	18.71	24.17
5	21100	2535	QPSK	12	LOW	18.64	24.71
5	21100	2535	QPSK	12	MID	18.67	24.76
5	21100	2535	QPSK	12	HIGH	19.35	24.32
5	21100	2535	QPSK	25	LOW	18.86	24.46
10	20800	2505	QPSK	1	LOW	18.52	24.52
10	20800	2505	QPSK	1	MID	18.69	24.92
10	20800	2505	QPSK	1	HIGH	19.15	24.7
10	20800	2505	QPSK	25	LOW	18.84	24.82
10	20800	2505	QPSK	25	MID	19.31	24.83
10	20800	2505	QPSK	25	HIGH	19.15	24.07
10	20800	2505	QPSK	50	LOW	19.2	24.69
10	20800	2505	Q16	1	LOW	18.89	24.16
10	20800	2505	Q16	1	MID	19.27	24.31
10	20800	2505	Q16	1	HIGH	18.57	24.88
10	20800	2505	Q16	25	LOW	18.81	24.81
10	20800	2505	Q16	25	MID	18.57	24.25
10	20800	2505	Q16	25	HIGH	18.61	24.29
10	20800	2505	Q16	50	LOW	19.33	24.04
10	21400	2565	QPSK	1	LOW	18.59	24.18
10	21400	2565	QPSK	1	MID	19.05	24.03
10	21400	2565	QPSK	1	HIGH	19.35	24
10	21400	2565	QPSK	25	LOW	18.94	24.6
10	21400	2565	QPSK	25	MID	19.38	24.64
10	21400	2565	QPSK	25	HIGH	18.63	24.45
10	21400	2565	QPSK	50	LOW	19.07	24.17
10	21400	2565	QPSK	1	LOW	18.83	24.41
10	21400	2565	QPSK	1	MID	19.2	24.33
10	21400	2565	QPSK	1	HIGH	19.37	24.1
10	21400	2565	Q16	25	LOW	19.11	24.79
10	21400	2565	Q16	25	MID	19.08	24.39
10	21400	2565	Q16	25	HIGH	19.02	24.64
10	21400	2565	Q16	50	LOW	18.5	24.12
10	21100	2535	QPSK	1	LOW	18.74	24.78
10	21100	2535	QPSK	1	MID	18.55	24.9
10	21100	2535	QPSK	1	HIGH	19.17	24.25
10	21100	2535	QPSK	25	LOW	19	24
10	21100	2535	QPSK	25	MID	19.48	24.53

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
10	21100	2535	QPSK	25	HIGH	18.95	24.47
10	21100	2535	QPSK	50	LOW	19.1	24.66
10	21100	2535	QPSK	1	LOW	19.12	24.39
10	21100	2535	QPSK	1	MID	19.43	24.37
10	21100	2535	QPSK	1	HIGH	19.37	24.46
10	21100	2535	Q16	25	LOW	18.96	24.14
10	21100	2535	Q16	25	MID	19.11	24.78
10	21100	2535	Q16	25	HIGH	18.51	24.66
10	21100	2535	Q16	50	LOW	18.71	24.82
15	20825	2507.5	QPSK	1	LOW	19.28	24.49
15	20825	2507.5	QPSK	1	MID	18.65	24.97
15	20825	2507.5	QPSK	1	HIGH	18.65	24.73
15	20825	2507.5	QPSK	36	LOW	18.53	24.17
15	20825	2507.5	QPSK	36	MID	18.94	24.59
15	20825	2507.5	QPSK	36	HIGH	18.82	24.96
15	20825	2507.5	QPSK	75	LOW	19.03	24.82
15	20825	2507.5	Q16	1	LOW	18.98	24.6
15	20825	2507.5	Q16	1	MID	18.85	24.81
15	20825	2507.5	Q16	1	HIGH	19.2	24.05
15	20825	2507.5	Q16	36	LOW	19.23	24.4
15	20825	2507.5	Q16	36	MID	19.4	24.63
15	20825	2507.5	Q16	36	HIGH	18.88	24.8
15	20825	2507.5	Q16	75	LOW	19.29	24.52
15	21375	2562.5	QPSK	1	LOW	18.53	24.64
15	21375	2562.5	QPSK	1	MID	18.63	24.62
15	21375	2562.5	QPSK	1	HIGH	19.05	24.41
15	21375	2562.5	QPSK	36	LOW	19.39	24.7
15	21375	2562.5	QPSK	36	MID	19.2	24.55
15	21375	2562.5	QPSK	36	HIGH	19.07	24.99
15	21375	2562.5	QPSK	75	LOW	18.52	24.73
15	21375	2562.5	Q16	1	LOW	18.85	24.83
15	21375	2562.5	Q16	1	MID	19.49	24.89
15	21375	2562.5	Q16	1	HIGH	19.31	24.68
15	21375	2562.5	Q16	36	LOW	18.51	24.16
15	21375	2562.5	Q16	36	MID	19.07	24.02
15	21375	2562.5	Q16	36	HIGH	19.18	24.77
15	21375	2562.5	Q16	75	LOW	19.12	24.91
15	21100	2535	QPSK	1	LOW	19.3	24.12

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
15	21100	2535	QPSK	1	MID	19.4	24.12
15	21100	2535	QPSK	1	HIGH	18.7	24.22
15	21100	2535	QPSK	36	LOW	19.05	24.24
15	21100	2535	QPSK	36	MID	18.6	24.24
15	21100	2535	QPSK	36	HIGH	19.27	24.36
15	21100	2535	QPSK	75	LOW	18.88	24.16
15	21100	2535	Q16	1	LOW	19.34	24.81
15	21100	2535	Q16	1	MID	18.77	24.42
15	21100	2535	Q16	1	HIGH	18.74	24.86
15	21100	2535	Q16	36	LOW	18.54	24.2
15	21100	2535	Q16	36	MID	19.48	24.35
15	21100	2535	Q16	36	HIGH	18.83	24.97
15	21100	2535	Q16	75	LOW	19.5	24.09
20	20850	2510	QPSK	1	LOW	19.07	24.85
20	20850	2510	QPSK	1	MID	18.77	24.89
20	20850	2510	QPSK	1	HIGH	18.85	24.56
20	20850	2510	QPSK	50	LOW	18.74	24.99
20	20850	2510	QPSK	50	MID	19.11	24.78
20	20850	2510	QPSK	50	HIGH	18.79	24.28
20	20850	2510	QPSK	100	LOW	19.3	24.8
20	20850	2510	Q16	1	LOW	19.47	24.59
20	20850	2510	Q16	1	MID	19.48	24.44
20	20850	2510	Q16	1	HIGH	19.29	24.61
20	20850	2510	Q16	50	LOW	18.83	24.67
20	20850	2510	Q16	50	MID	18.75	24.47
20	20850	2510	Q16	50	HIGH	19.43	24.69
20	20850	2510	Q16	100	LOW	18.77	24.55
20	21350	2560	QPSK	1	LOW	18.55	24.18
20	21350	2560	QPSK	1	MID	19.46	24.24
20	21350	2560	QPSK	1	HIGH	18.73	24.43
20	21350	2560	QPSK	50	LOW	18.74	24.43
20	21350	2560	QPSK	50	MID	19.34	24.59
20	21350	2560	QPSK	50	HIGH	18.61	24.84
20	21350	2560	QPSK	100	LOW	19.36	24.8
20	21350	2560	Q16	1	LOW	19	24.19
20	21350	2560	Q16	1	MID	19.03	24.24
20	21350	2560	Q16	1	HIGH	18.54	24.4
20	21350	2560	Q16	50	LOW	18.99	24.44

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Average (dBm)	Peak (dBm)
20	21350	2560	Q16	50	MID	19.26	24.7
20	21350	2560	Q16	50	HIGH	19.36	24.4
20	21350	2560	Q16	100	LOW	19.35	24.3
20	21100	2535	QPSK	1	LOW	19.33	24.07
20	21100	2535	QPSK	1	MID	18.82	24.38
20	21100	2535	QPSK	1	HIGH	18.89	24.88
20	21100	2535	QPSK	50	LOW	18.78	24
20	21100	2535	QPSK	50	MID	19.26	24.52
20	21100	2535	QPSK	50	HIGH	19.24	24.42
20	21100	2535	QPSK	100	LOW	18.86	24.24
20	21100	2535	Q16	1	LOW	18.96	24.97
20	21100	2535	Q16	1	MID	19.14	24.17
20	21100	2535	Q16	1	HIGH	18.68	24.19
20	21100	2535	Q16	50	LOW	19.35	24.84
20	21100	2535	Q16	50	MID	19.14	24.8
20	21100	2535	Q16	50	HIGH	18.87	24.51
20	21100	2535	Q16	100	LOW	19.4	24.18

7 SPURIOUS EMISSION (Conducted and Radiated)

7.1 Measurement Result (Pre-measurement)

GSM850:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	0.2	128	824.2	Pass
Middle Range	0.2	190	836.6	Pass
High Range	0.2	251	848.8	Pass

PCS 1900：

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	0.2	512	1850.2	Pass
Middle Range	0.2	661	1880.0	Pass
High Range	0.2	810	1909.8	Pass

UTRA BANDS

BAND 2:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	9263	1852.6	Pass
Middle Range	5	9400	1880.0	Pass
High Range	5	9537	1907.4	Pass

BAND 4:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	1313	1712.6	Pass
Middle Range	5	1450	1740	Pass
High Range	5	1512	1752.4	Pass

BAND 5:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	4133	826.6	Pass
Middle Range	5	4175	835	Pass
High Range	5	4232	846.4	Pass

E-UTRA BANDS

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

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
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

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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
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:
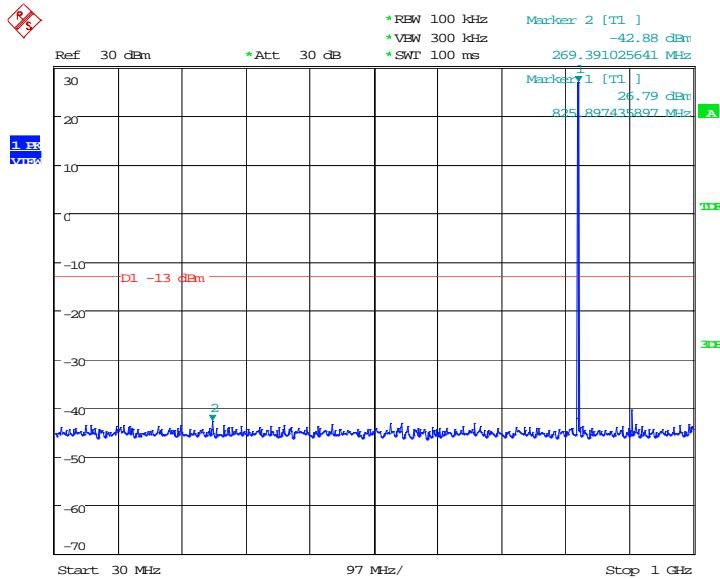
Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
5	20775	2502.5	QPSK	25	LOW	Pass
5	20775	2502.5	Q16	25	LOW	Pass
5	21425	2567.5	QPSK	25	LOW	Pass
5	21425	2567.5	Q16	25	LOW	Pass
5	21100	2535	QPSK	25	LOW	Pass
5	21100	2535	QPSK	25	LOW	Pass
10	20800	2505	QPSK	50	LOW	Pass
10	20800	2505	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

Test Plot(s)

7.1.1 Conducted method
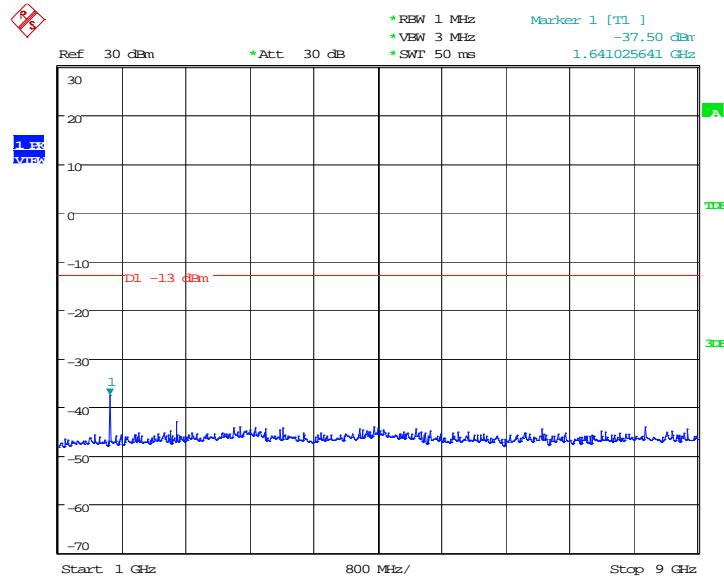
CONDUCTED EMISSION IN GSM850 BAND

Conducted Emission Transmitting Mode CH 128 30MHz – 1GHz

	*RBW 100 kHz	Marker 2 [T1]
	*VBW 300 kHz	-42.88 dBm
Ref 30 dBm	*Att 30 dB	*SWT 100 ms	269.391025641 MHz

Marker 1 [T1]
26.79 dBm
825.897435897 MHz

D1 -13 dBm

Start 30 MHz   97 MHz/   Stop 1 GHz
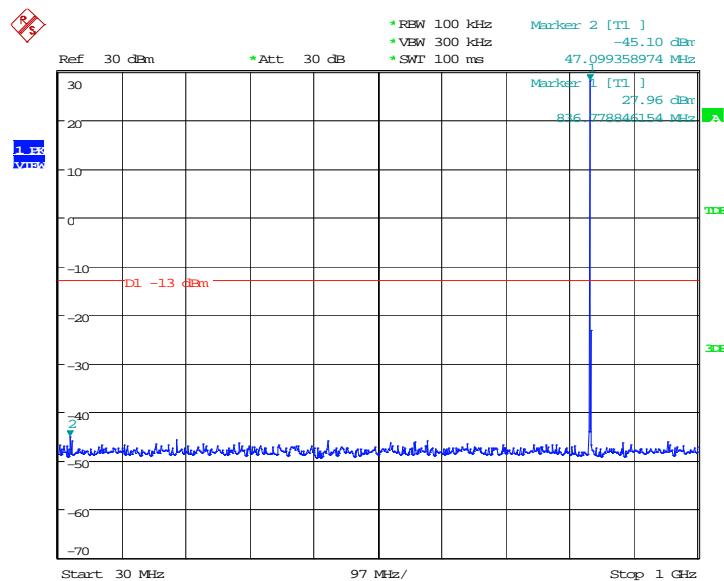
Date: 13.SEP.2016 10:13:11

Conducted Emission Transmitting Mode CH 128 1GHz – 9GHz

```
                                        *RBW  1 MHz        Marker 1 [T1 ]
                                        *VBW  3 MHz              -37.50 dBm
          Ref   30 dBm      *Att  30 dB *SWT  50 ms        1.641025641 GHz
```
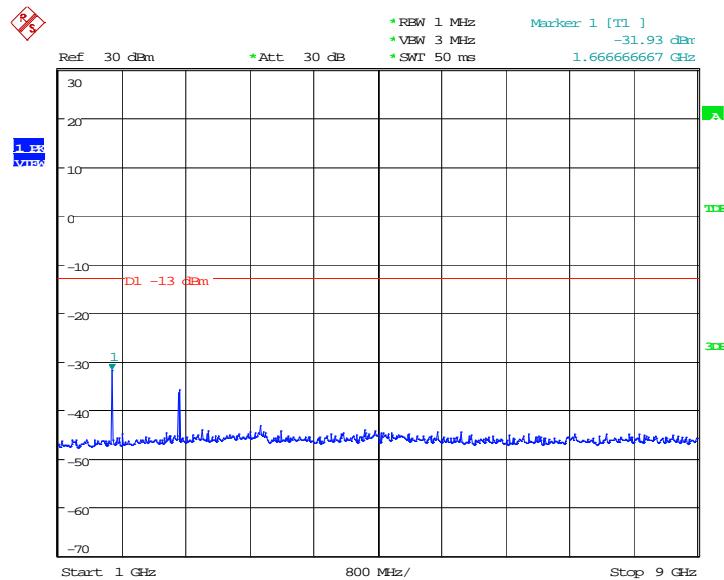
Date: 13.SEP.2016 10:18:37

Conducted Emission Transmitting Mode CH 190 30MHz – 1GHz

```
                                        *RBW  100 kHz      Marker 2 [T1 ]
                                        *VBW  300 kHz            -45.10 dBm
          Ref   30 dBm      *Att  30 dB *SWT  100 ms       47.099358974 MHz
                                                          Marker 1 [T1 ]
                                                               27.96 dBm
                                                          836.778846154 MHz
```
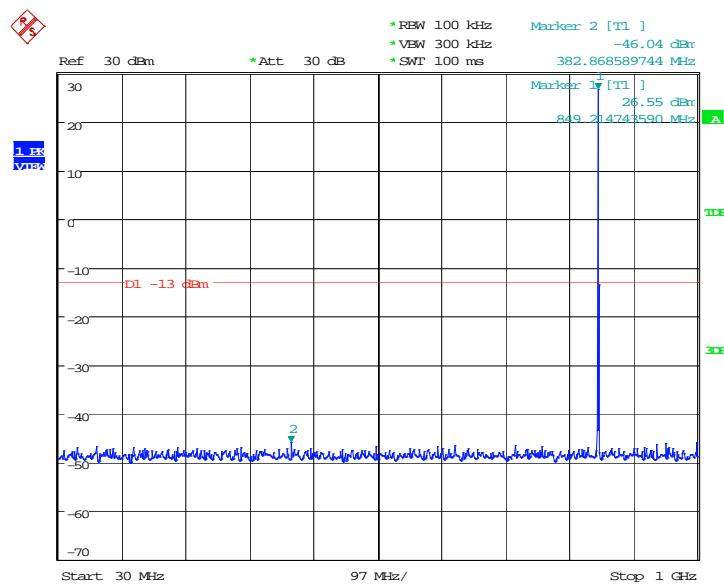
Date: 13.SEP.2016 10:15:33

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Conducted Emission Transmitting Mode CH 190 1GHz – 9GHz

```
                                    * RBW  1 MHz        Marker 1 [T1 ]
                                    * VBW  3 MHz                    -31.93 dBm
         Ref   30 dBm      * Att  30 dB   * SWT  50 ms        1.666666667 GHz
```
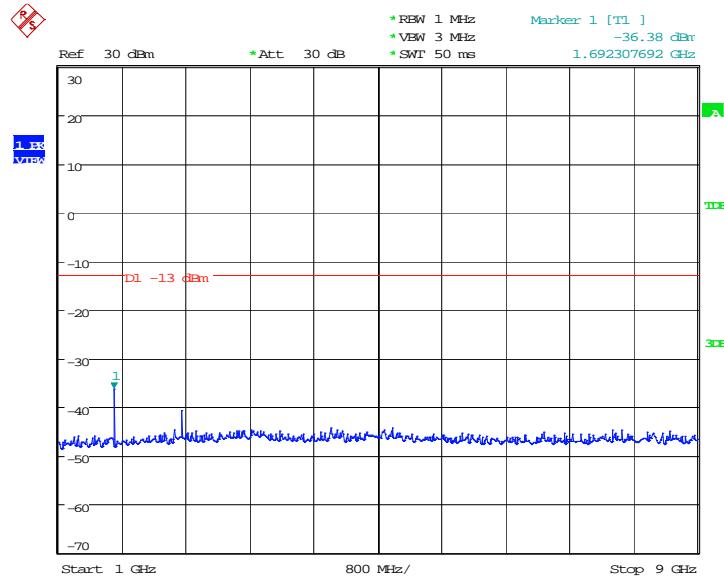
Date: 13.SEP.2016 10:19:42

Conducted Emission Transmitting Mode CH 251 30MHz – 1GHz

```
                                    * RBW  100 kHz      Marker 2 [T1 ]
                                    * VBW  300 kHz                  -46.04 dBm
         Ref   30 dBm      * Att  30 dB   * SWT  100 ms      382.868589744 MHz
                                                       Marker 1 [T1 ]
                                                                   26.55 dBm
                                                            849.214743590 MHz
```
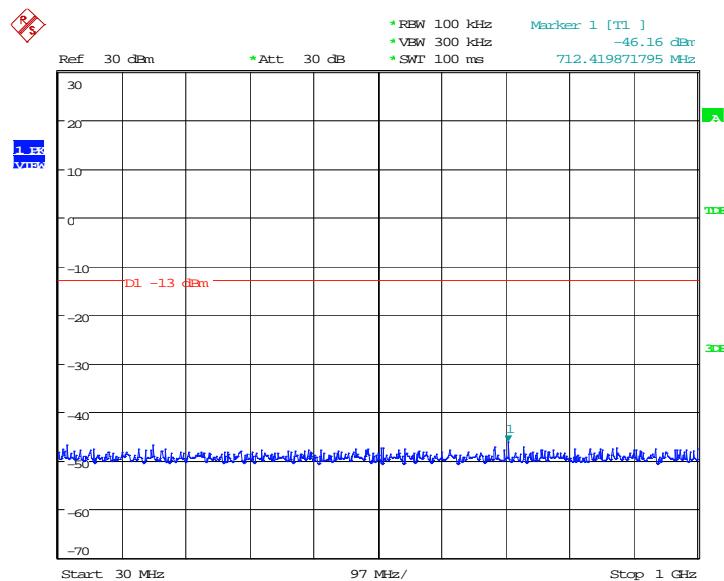
Date: 13.SEP.2016 10:16:35

Report No.: FCC16083918-5

Conducted Emission Transmitting Mode CH 251 1GHz – 9GHz
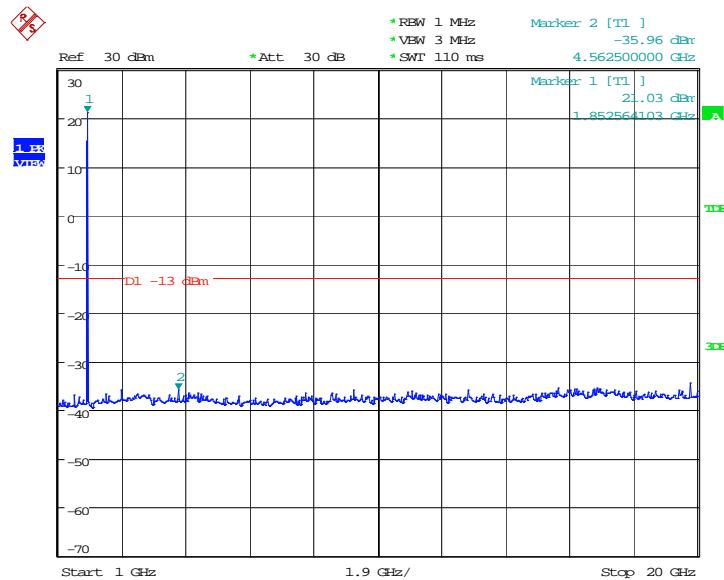
Date: 13.SEP.2016 10:20:41

CONDUCTED EMISSION IN PCS1900 BAND
## Conducted Emission Transmitting Mode CH 512 30MHz – 1GHz
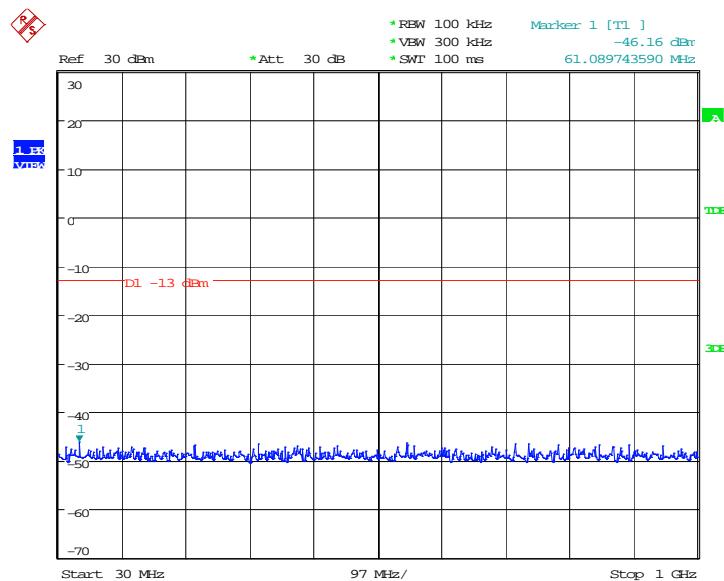
Date: 13.SEP.2016 10:24:49

Report No.: FCC16083918-5

Conducted Emission Transmitting Mode CH 512 1GHz – 20GHz

```
                              *RBW 1 MHz        Marker 2 [T1 ]
                              *VBW 3 MHz                 -35.96 dBm
   Ref  30 dBm    *Att 30 dB  *SWT 110 ms        4.562500000 GHz
                                                 Marker 1 [T1 ]
  30                                                      21.03 dBm
   1                                             1.852564103 GHz   A
  20
10
   0                                                               TDF
 -10
     D1 -13 dBm
 -20
 -30                                                               3DB
       2
 -40
 -50
 -60
 -70
Start 1 GHz          1.9 GHz/            Stop 20 GHz
```
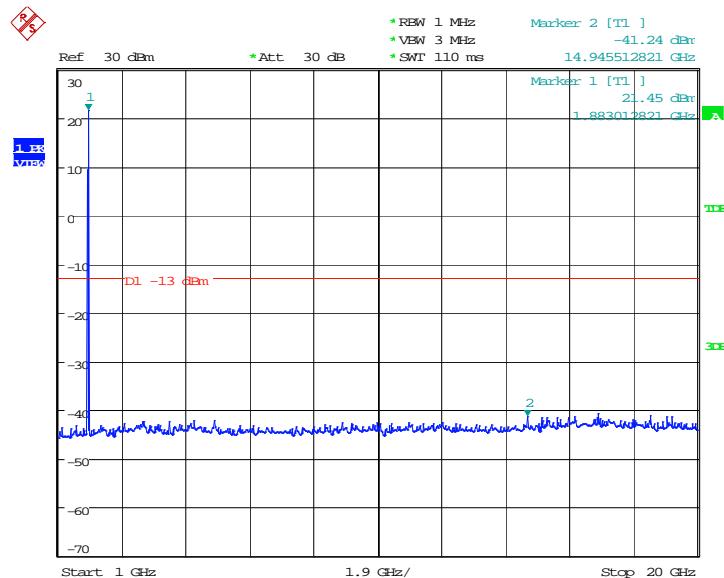
Date: 13.SEP.2016 10:29:23

Conducted Emission Transmitting Mode CH 661 30MHz – 1GHz

```
                              *RBW 100 kHz       Marker 1 [T1 ]
                              *VBW 300 kHz                -46.16 dBm
   Ref  30 dBm    *Att 30 dB  *SWT 100 ms         61.089743590 MHz
  30
  20                                                               A
  10
   0                                                               TDF
 -10
     D1 -13 dBm
 -20
 -30                                                               3DB
 -40
   1
 -50
 -60
 -70
Start 30 MHz          97 MHz/            Stop 1 GHz
```
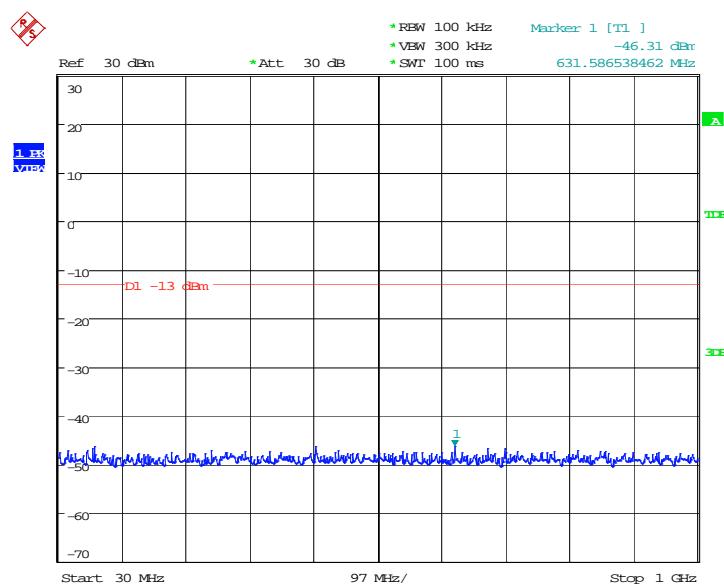
Date: 13.SEP.2016 10:25:45

Conducted Emission Transmitting Mode CH 661 1GHz – 20GHz

```
                                    * RBW  1 MHz      Marker 2 [T1 ]
                                    * VBW  3 MHz              -41.24 dBm
         Ref  30 dBm      * Att  30 dB   * SWT 110 ms      14.945512821 GHz
                                               Marker 1 [T1 ]
      30                                              21.45 dBm
       1                                         1.883012821 GHz    A
      20
1 PK
VIEW  10

       0

     -10       D1 -13 dBm

     -20

     -30                                                          3DB

     -40                              2

     -50

     -60

     -70
     Start 1 GHz           1.9 GHz/              Stop 20 GHz
```
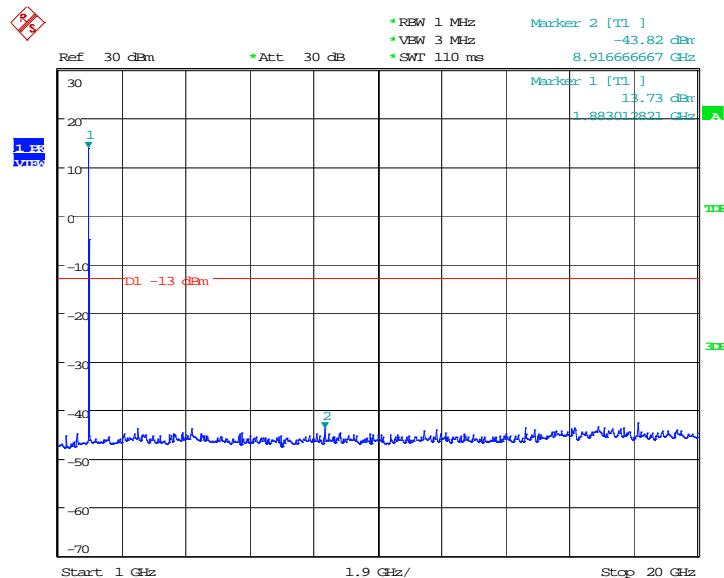
Date: 13.SEP.2016 10:30:49

Conducted Emission Transmitting Mode CH 810 30MHz – 1GHz

```
                                    * RBW  100 kHz     Marker 1 [T1 ]
                                    * VBW  300 kHz            -46.31 dBm
         Ref  30 dBm      * Att  30 dB   * SWT 100 ms      631.586538462 MHz

      30
      20                                                           A

1 PK  10
VIEW
       0

     -10       D1 -13 dBm

     -20

     -30                                                          3DB

     -40

                                     1

     -60

     -70
     Start 30 MHz           97 MHz/              Stop 1 GHz
```
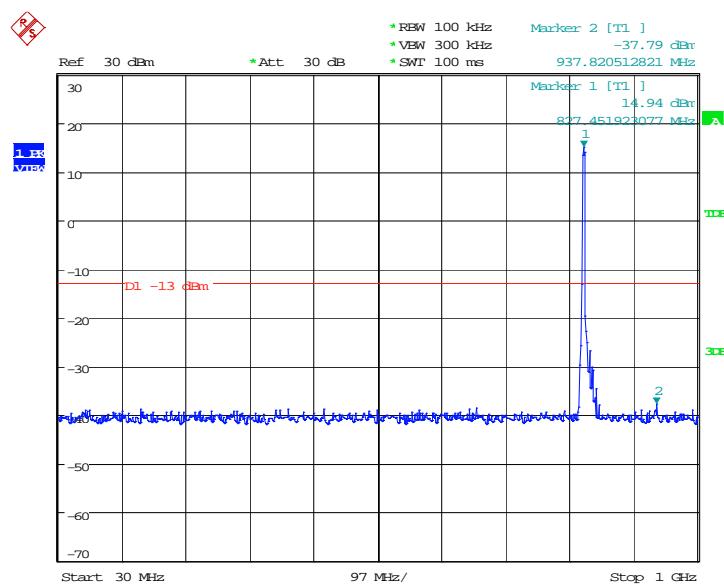
Date: 13.SEP.2016 10:26:41

## Conducted Emission Transmitting Mode CH 810 1GHz – 20GHz
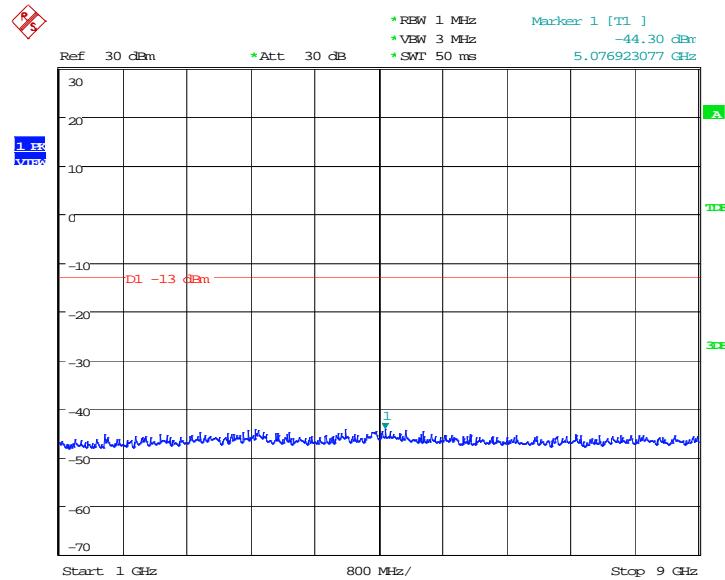
Date: 13.SEP.2016 10:32:12
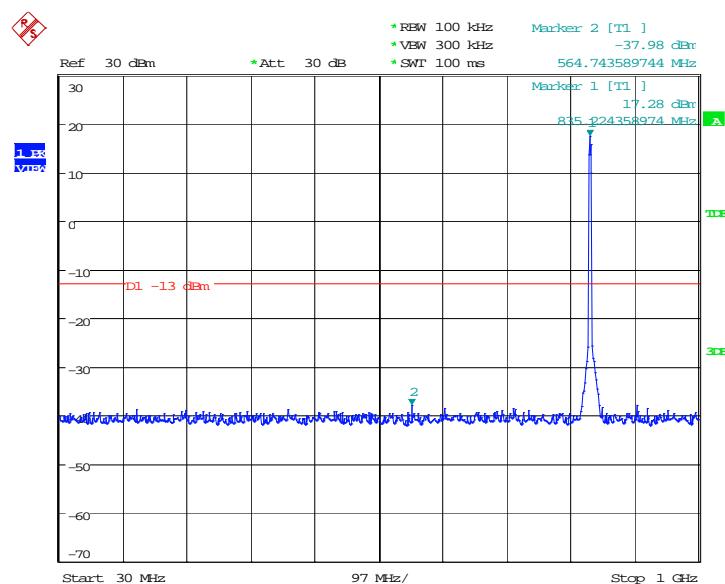
CONDUCTED EMISSION IN WCDMA Band V
## Conducted Emission Transmitting Mode CH 4133 30MHz – 1GHz

Date: 13.SEP.2016 10:38:50
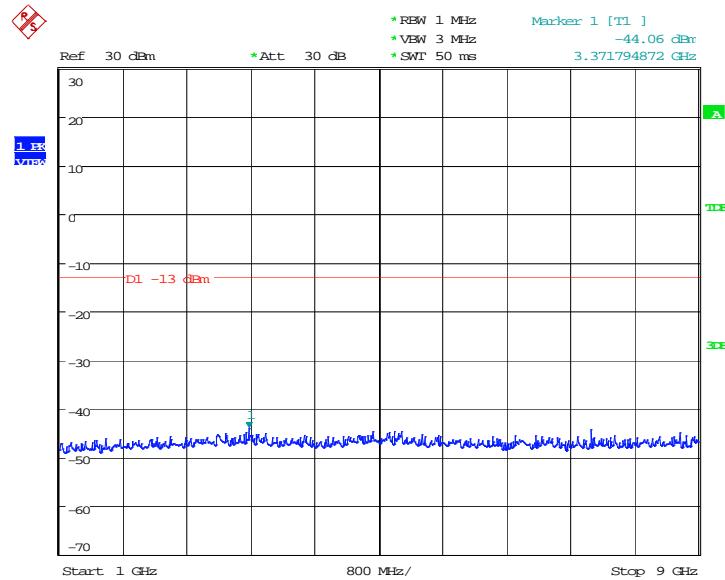
## Conducted Emission Transmitting Mode CH 4133 1GHz – 9GHz

```
                                              * RBW 1 MHz       Marker 1 [T1 ]
                                              * VBW 3 MHz                  -44.30 dBm
         Ref    30 dBm          * Att  30 dB  * SWT 50 ms       5.076923077 GHz
```

Date: 13.SEP.2016 10:35:28

Conducted Emission Transmitting Mode CH 4175 30MHz – 1GHz

```
                                              * RBW 100 kHz     Marker 2 [T1 ]
                                              * VBW 300 kHz                -37.98 dBm
         Ref    30 dBm          * Att  30 dB  * SWT 100 ms      564.743589744 MHz
                                                               Marker 1 [T1 ]
                                                                          17.28 dBm
                                                               835.224358974 MHz
```

Date: 13.SEP.2016 10:39:59

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Conducted Emission Transmitting Mode CH 4175 1GHz – 9GHz

```
                                    *RBW 1 MHz        Marker 1 [T1 ]
                                    *VBW 3 MHz                -44.06 dBm
      Ref   30 dBm     *Att  30 dB  *SWT 50 ms        3.371794872 GHz
```
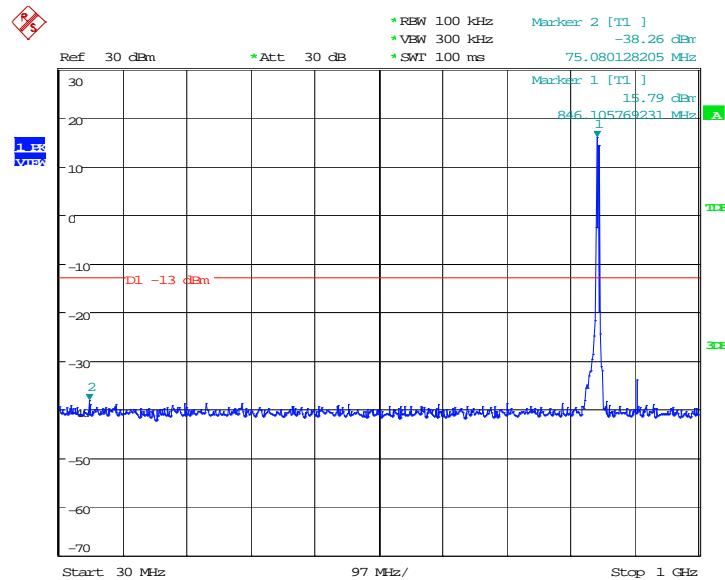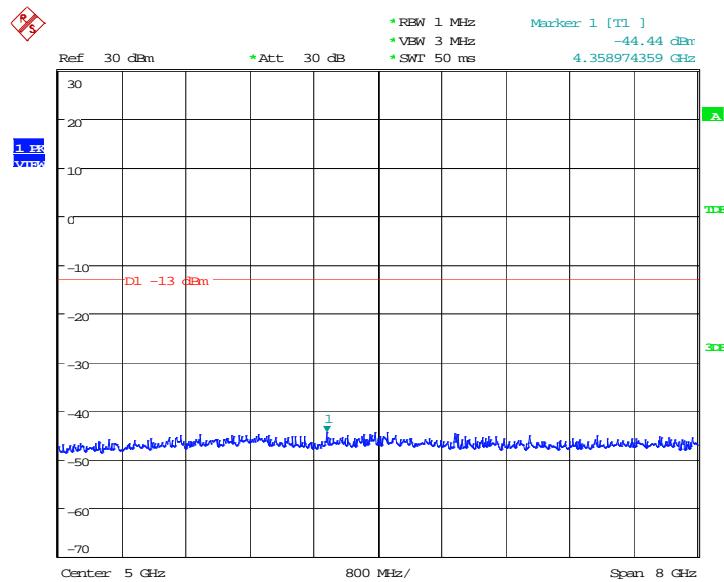
Date: 13.SEP.2016 10:36:26

Conducted Emission Transmitting Mode CH 4232 30MHz – 1GHz

```
                                    *RBW 100 kHz      Marker 2 [T1 ]
                                    *VBW 300 kHz              -38.26 dBm
      Ref   30 dBm     *Att  30 dB  *SWT 100 ms       75.080128205 MHz
                                                      Marker 1 [T1 ]
                                                              15.79 dBm
                                                      846.105769231 MHz
```
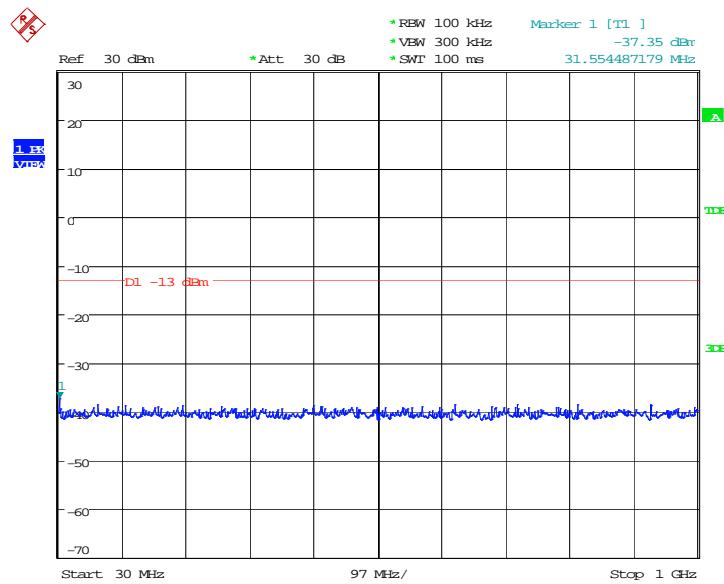
Date: 13.SEP.2016 10:41:05

Conducted Emission Transmitting Mode CH 4232 1GHz – 9GHz

```
                                          * RBW 1 MHz        Marker 1 [T1 ]
                                          * VBW 3 MHz                -44.44 dBm
        Ref   30 dBm          * Att  30 dB * SWT 50 ms        4.358974359 GHz
        30
        20                                                                    A
        10
                                                                              TDF
         0
       -10
           D1 -13 dBm
       -20
                                                                              3DB
       -30

       -40                          1
       -50
       -60
       -70
        Center  5 GHz              800 MHz/              Span  8 GHz
```
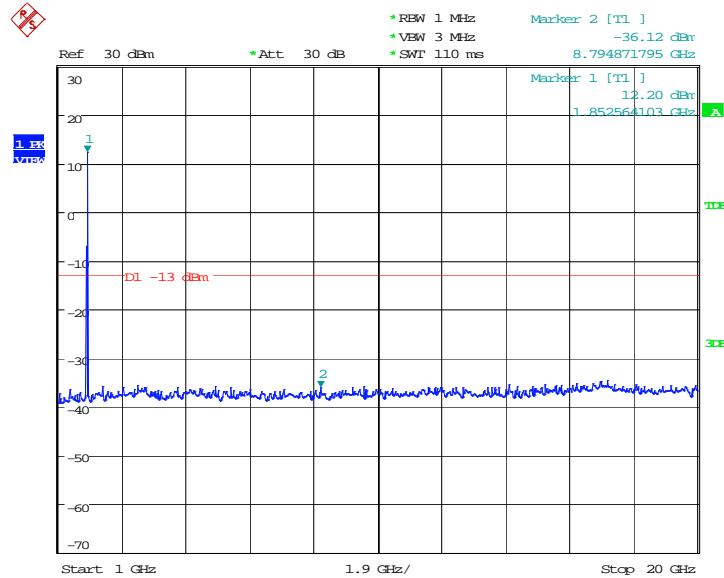
Date: 13.SEP.2016 10:37:03

CONDUCTED EMISSION IN WCDMA Band II
Conducted Emission Transmitting Mode CH 9263 30MHz – 1GHz

```
                                          * RBW 100 kHz      Marker 1 [T1 ]
                                          * VBW 300 kHz              -37.35 dBm
        Ref   30 dBm          * Att  30 dB * SWT 100 ms       31.554487179 MHz
        30
        20                                                                    A
        10
                                                                              TDF
         0
       -10
           D1 -13 dBm
       -20
                                                                              3DB
       -30
        1
       -50
       -60
       -70
        Start  30 MHz              97 MHz/               Stop  1 GHz
```
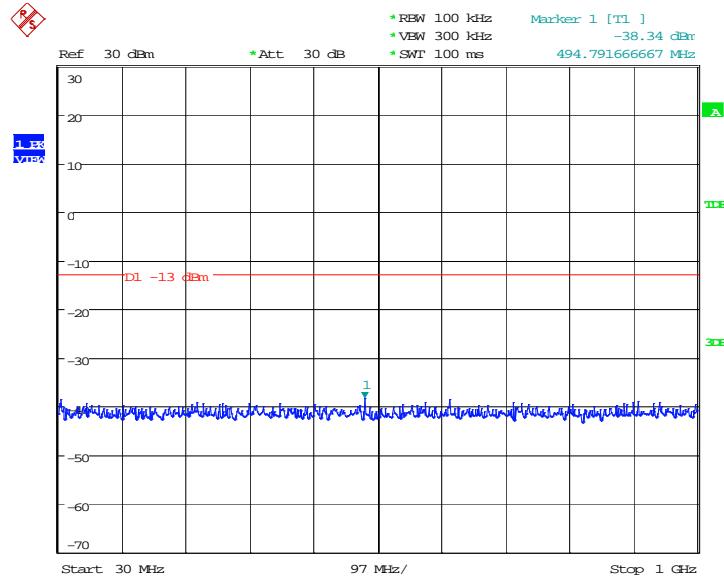
Date: 13.SEP.2016 10:42:26

Report No.: FCC16083918-5

Conducted Emission Transmitting Mode CH 9263 1GHz – 20GHz

```
                                    *RBW 1 MHz      Marker 2 [T1 ]
                                    *VBW 3 MHz              -36.12 dBm
Ref   30 dBm         *Att  30 dB    *SWT 110 ms      8.794871795 GHz
                                               Marker 1 [T1 ]
 30                                                    12.20 dBm
                                               1.852564103 GHz      A
 20
       1
 10
                                                               TDF
  0

-10
    D1 -13 dBm
-20
                                                               3DB
-30
                    2
-40
-50
-60
-70
Start 1 GHz            1.9 GHz/            Stop  20 GHz
```
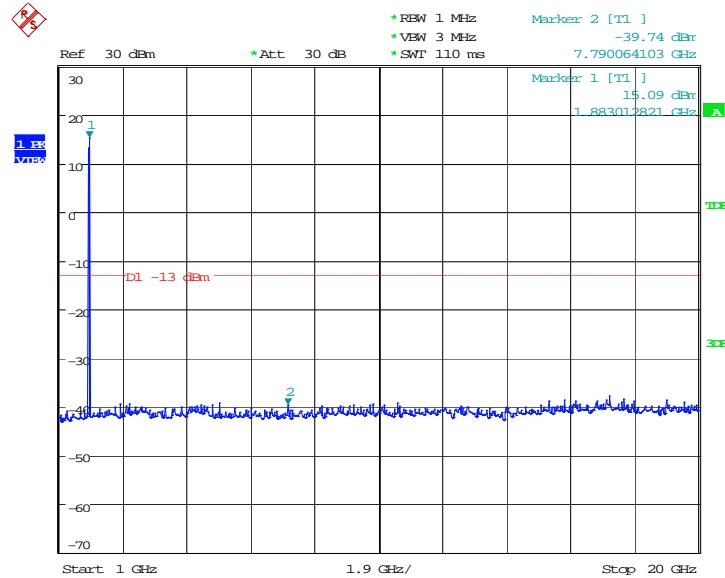
Date: 13.SEP.2016 10:47:03

Conducted Emission Transmitting Mode CH 9400 30MHz – 1GHz

```
                                    *RBW 100 kHz     Marker 1 [T1 ]
                                    *VBW 300 kHz            -38.34 dBm
Ref   30 dBm         *Att  30 dB    *SWT 100 ms      494.791666667 MHz
 30
                                                                   A
 20

 10
                                                               TDF
  0

-10
    D1 -13 dBm
-20
                                                               3DB
-30
                    1
-40
-50
-60
-70
Start 30 MHz           97 MHz/            Stop  1 GHz
```
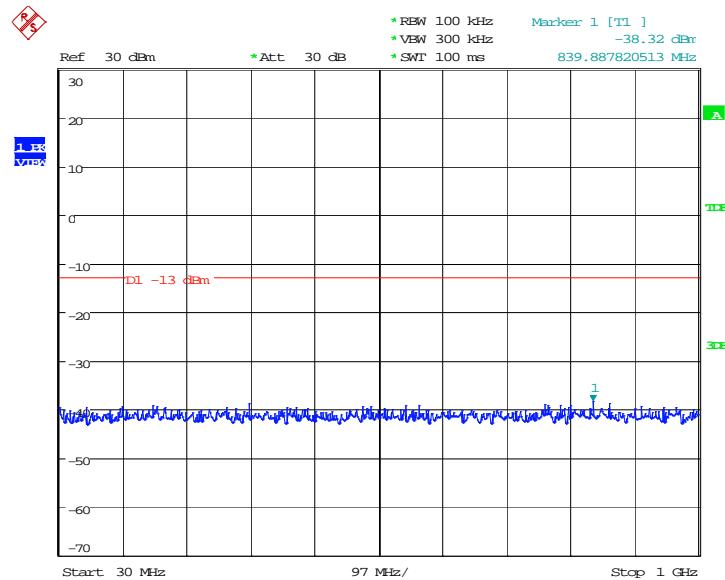
Date: 13.SEP.2016 10:43:16

Report No.: FCC16083918-5

Conducted Emission Transmitting Mode CH 9400 1GHz – 20GHz
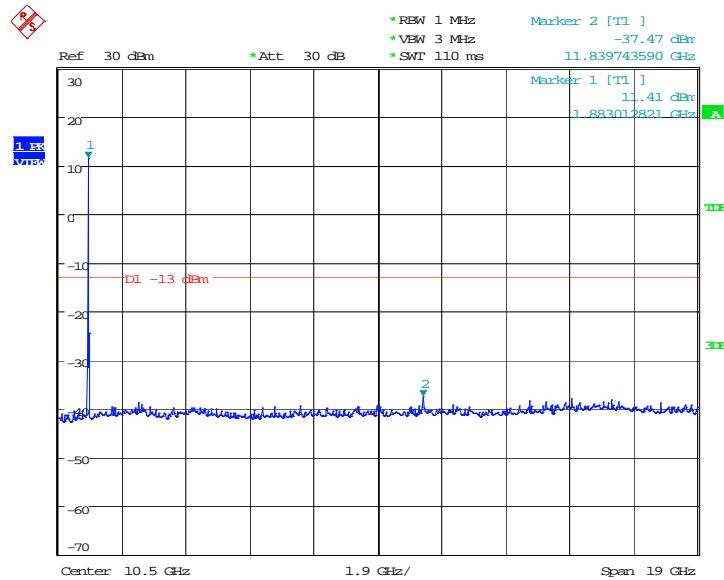
Date: 13.SEP.2016 10:48:42

Conducted Emission Transmitting Mode CH 9537 30MHz – 1GHz
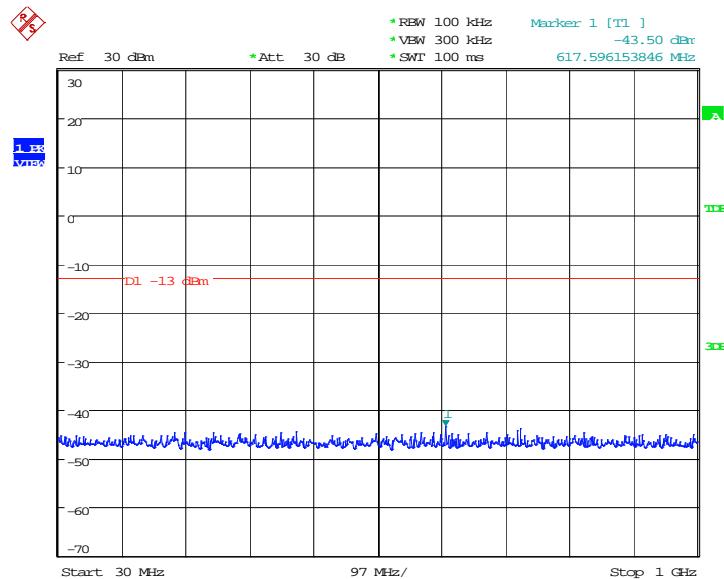
Date: 13.SEP.2016 10:44:52

Conducted Emission Transmitting Mode CH 9537 1GHz – 20GHz

```
                                    * RBW 1 MHz      Marker 2 [T1 ]
                                    * VBW 3 MHz              -37.47 dBm
  Ref  30 dBm      * Att  30 dB     * SWT 110 ms      11.839743590 GHz
                                                 Marker 1 [T1 ]
   30                                                    11.41 dBm
                                                 1.883012821 GHz    A
   20

1 PK
M1[S]                                                               TDF
   10

    0

  -10    D1 -13 dBm                                                 3DB

  -20

  -30
                                        2
  -40

  -50

  -60

  -70
  Center  10.5 GHz              1.9 GHz/             Span  19 GHz
```
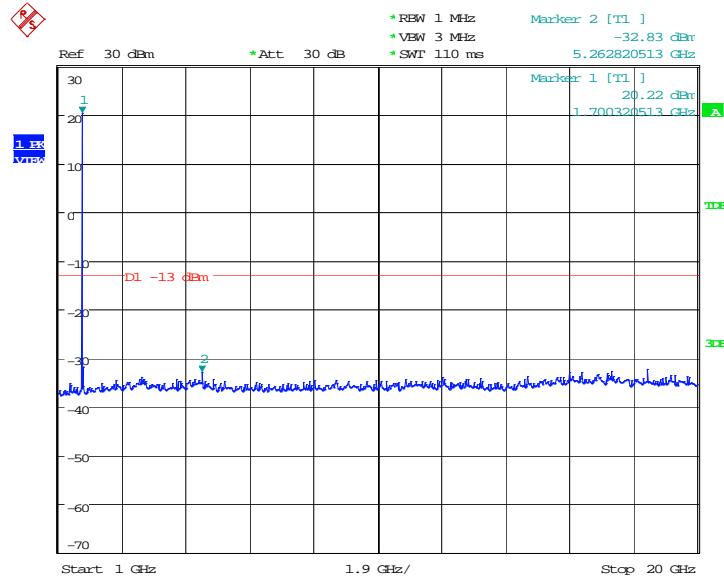
Date: 13.SEP.2016 10:49:26

CONDUCTED EMISSION IN WCDMA Band IV
Conducted Emission Transmitting Mode CH 1313 30MHz – 1GHz

```
                                    * RBW 100 kHz    Marker 1 [T1 ]
                                    * VBW 300 kHz            -43.50 dBm
  Ref  30 dBm      * Att  30 dB     * SWT 100 ms      617.596153846 MHz
   30
                                                                    A
   20

1 PK
M1[S]                                                               TDF
   10

    0

  -10    D1 -13 dBm                                                 3DB

  -20

  -30

  -40
                                        1
  -50

  -60

  -70
  Start  30 MHz               97 MHz/             Stop  1 GHz
```
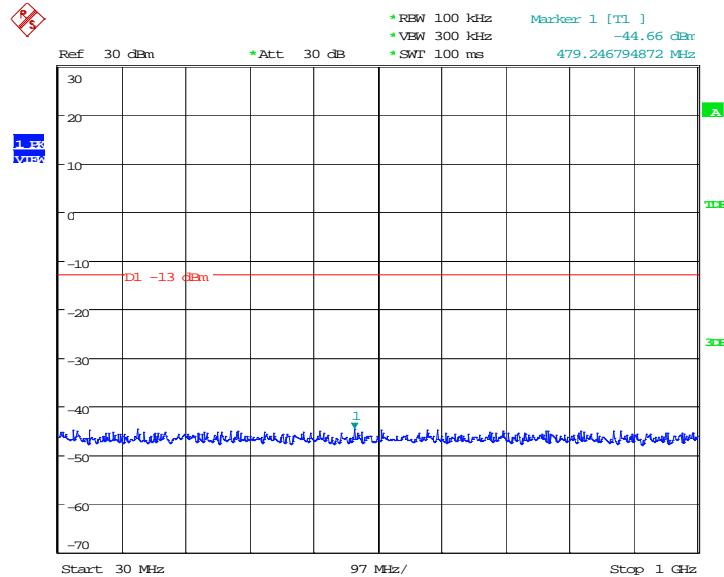
Date: 10.SEP.2016 16:00:04

Conducted Emission Transmitting Mode CH 1313 1GHz – 20GHz
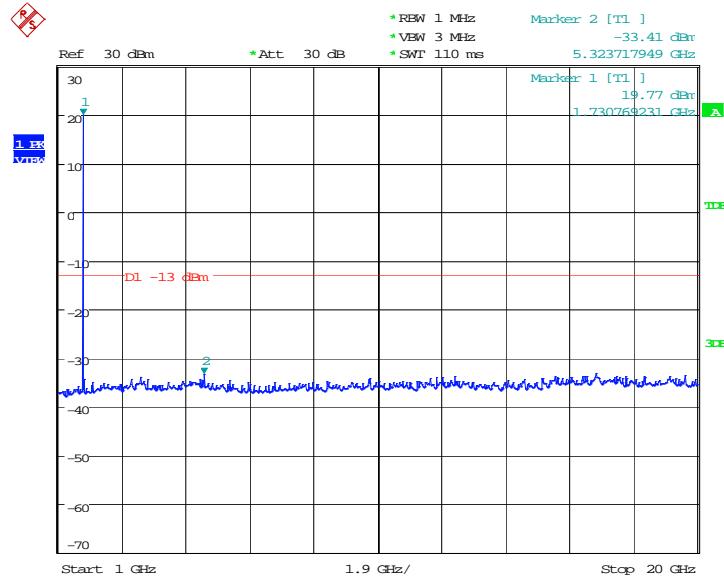
Date: 10.SEP.2016 16:23:07

Conducted Emission Transmitting Mode CH 1450 30MHz – 1GHz
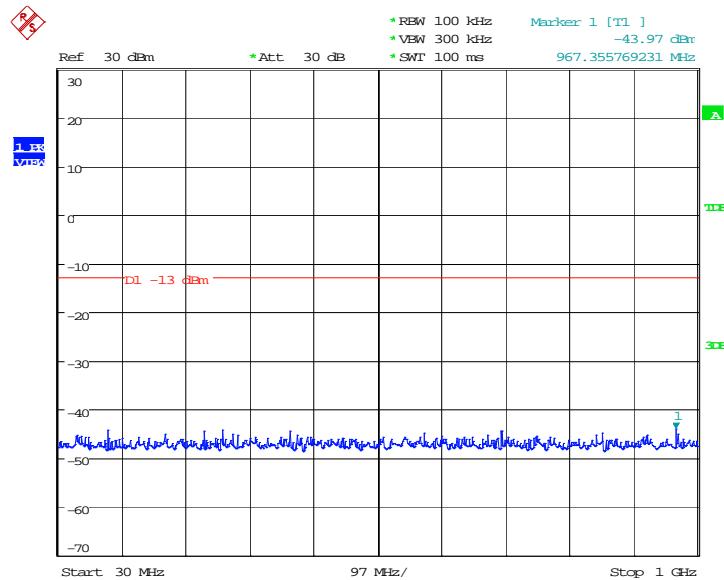
Date: 10.SEP.2016 16:00:55

Report No.: FCC16083918-5

Conducted Emission Transmitting Mode CH 1450 1GHz – 20GHz

```
                                        * RBW  1 MHz        Marker 2 [T1 ]
                                        * VBW  3 MHz                 -33.41 dBm
       Ref   30 dBm        * Att  30 dB * SWT  110 ms       5.323717949 GHz

        30                                              Marker 1 [T1 ]
          1                                                     19.77 dBm
        20                                              1.730769231 GHz     A

  1 PK
  VIEW
        10

         0                                                                  TDF

       -10
    D1 -13 dBm
       -20

                                                                            3DB
       -30              2

       -40

       -50

       -60

       -70
      Start 1 GHz              1.9 GHz/              Stop  20 GHz
```
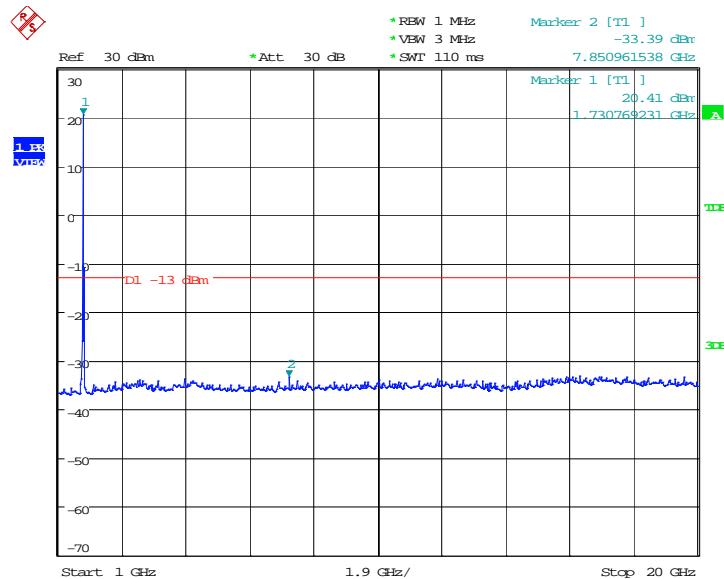
Date: 10.SEP.2016 16:21:32

Conducted Emission Transmitting Mode CH 1512 30MHz – 1GHz

```
                                        * RBW  100 kHz      Marker 1 [T1 ]
                                        * VBW  300 kHz               -43.97 dBm
       Ref   30 dBm        * Att  30 dB * SWT  100 ms       967.355769231 MHz

        30

        20                                                                  A

  1 PK
  VIEW
        10

         0                                                                  TDF

       -10
    D1 -13 dBm
       -20

                                                                            3DB
       -30

       -40                                                        1

       -50

       -60

       -70
      Start 30 MHz              97 MHz/               Stop  1 GHz
```
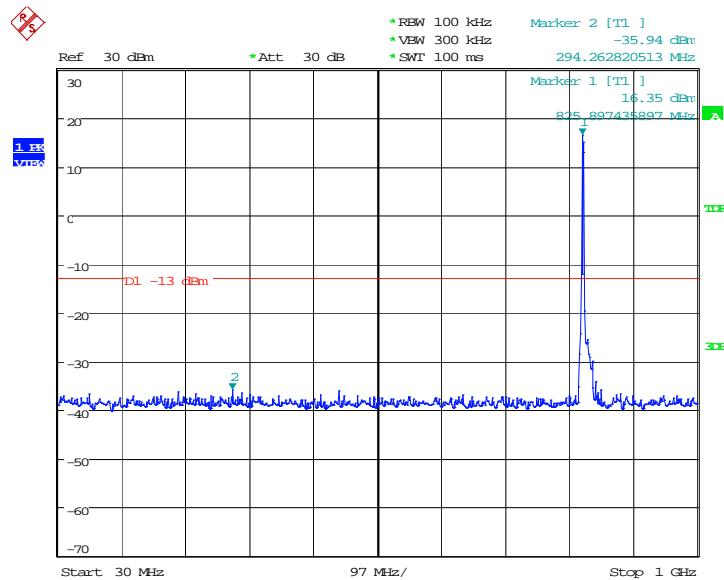
Date: 10.SEP.2016 16:01:40

Report No.: FCC16083918-5

Conducted Emission Transmitting Mode CH 1512 1GHz – 20GHz

	*RBW 1 MHz	Marker 2 [T1]	
	*VBW 3 MHz	-33.39 dBm	
Ref 30 dBm	*Att 30 dB *SWT 110 ms	7.850961538 GHz	

Marker 1 [T1]
20.41 dBm
1.730769231 GHz

Start 1 GHz   1.9 GHz/   Stop 20 GHz

D1 -13 dBm
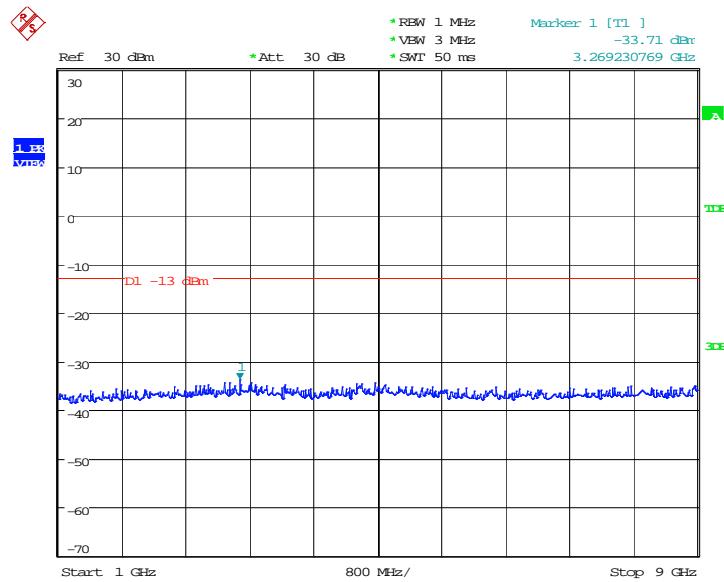
Date: 10.SEP.2016 16:17:59

ONDUCTED EMISSION IN WCDMA Band V
Conducted Emission Transmitting Mode CH 4133 30MHz – 1GHz

	*RBW 100 kHz	Marker 2 [T1]	
	*VBW 300 kHz	-35.94 dBm	
Ref 30 dBm	*Att 30 dB *SWT 100 ms	294.262820513 MHz	

Marker 1 [T1]
16.35 dBm
825.897435897 MHz

Start 30 MHz   97 MHz/   Stop 1 GHz

D1 -13 dBm
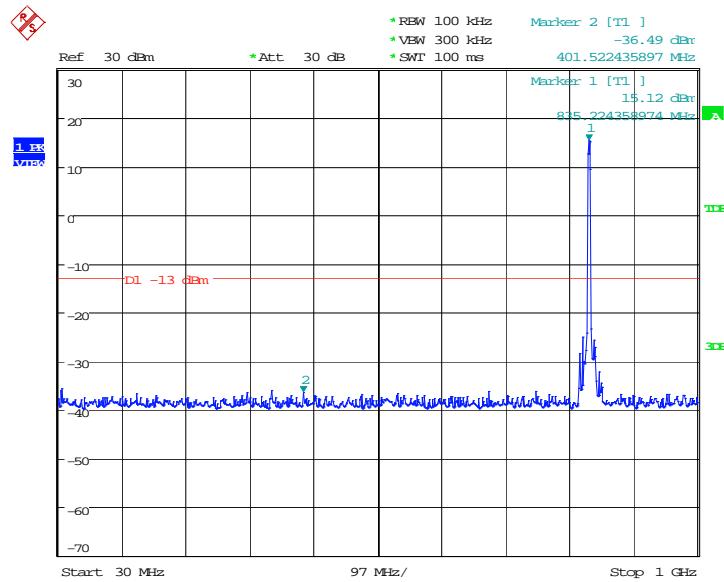
Date: 10.SEP.2016 16:03:45

Report No.: FCC16083918-5

Conducted Emission Transmitting Mode CH 4133 1GHz – 9GHz
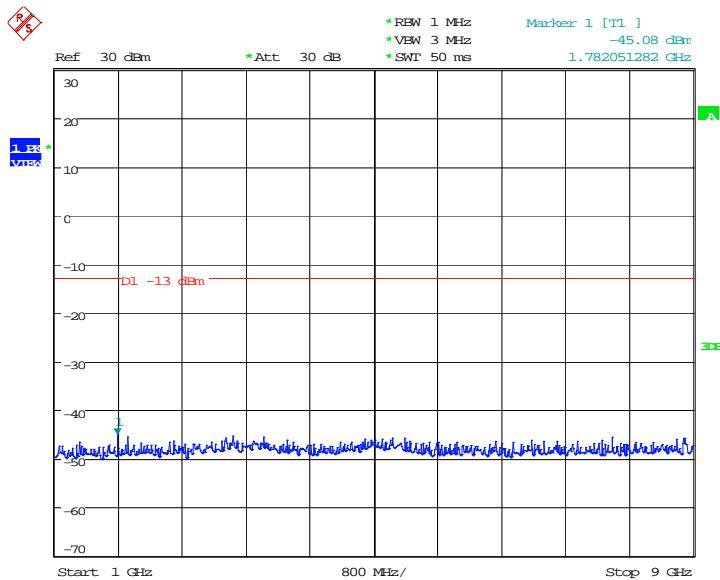
Date: 10.SEP.2016 16:08:41

Conducted Emission Transmitting Mode CH 4175 30MHz – 1GHz
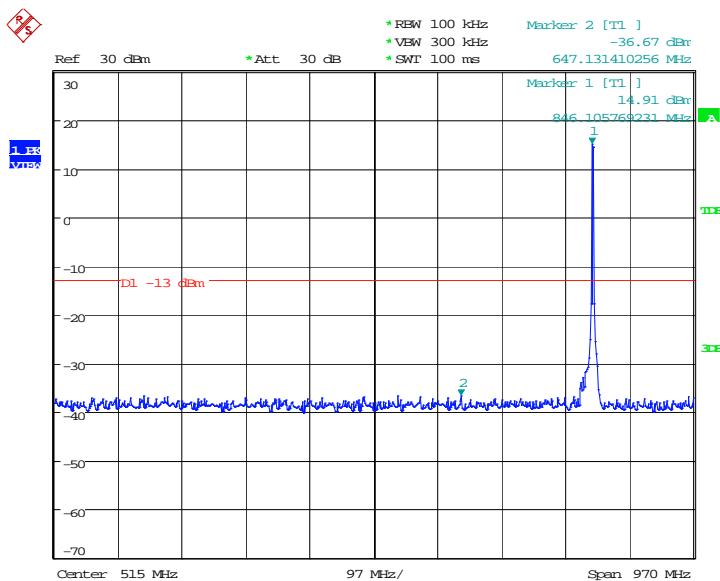
Date: 10.SEP.2016 16:04:47

Conducted Emission Transmitting Mode CH 4175 1GHz – 9GHz

```
                                    * RBW 1 MHz        Marker 1 [T1 ]
                                    * VBW 3 MHz                 -45.08 dBm
        Ref  30 dBm      * Att 30 dB  * SWT 50 ms         1.782051282 GHz
```
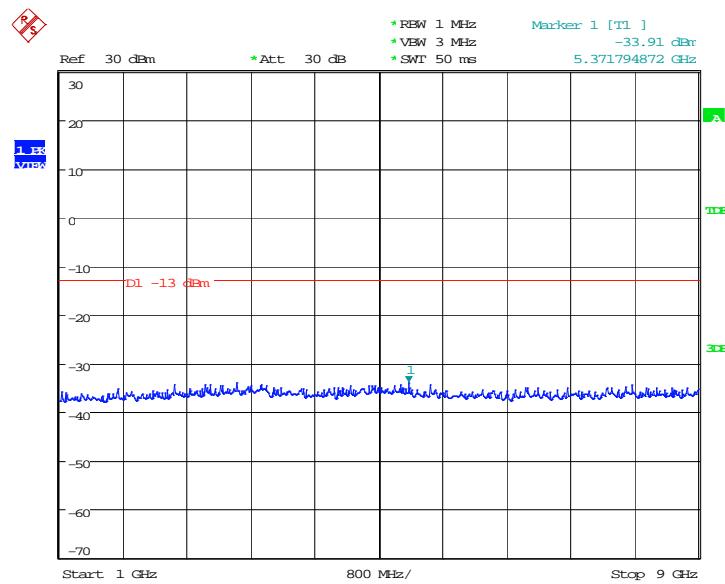
Date: 12.SEP.2016 15:24:41

Conducted Emission Transmitting Mode CH 4232 30MHz – 1GHz

```
                                    * RBW 100 kHz      Marker 2 [T1 ]
                                    * VBW 300 kHz               -36.67 dBm
        Ref  30 dBm      * Att 30 dB  * SWT 100 ms       647.131410256 MHz
                                                       Marker 1 [T1 ]
                                                                14.91 dBm
                                                       846.105769231 MHz
```
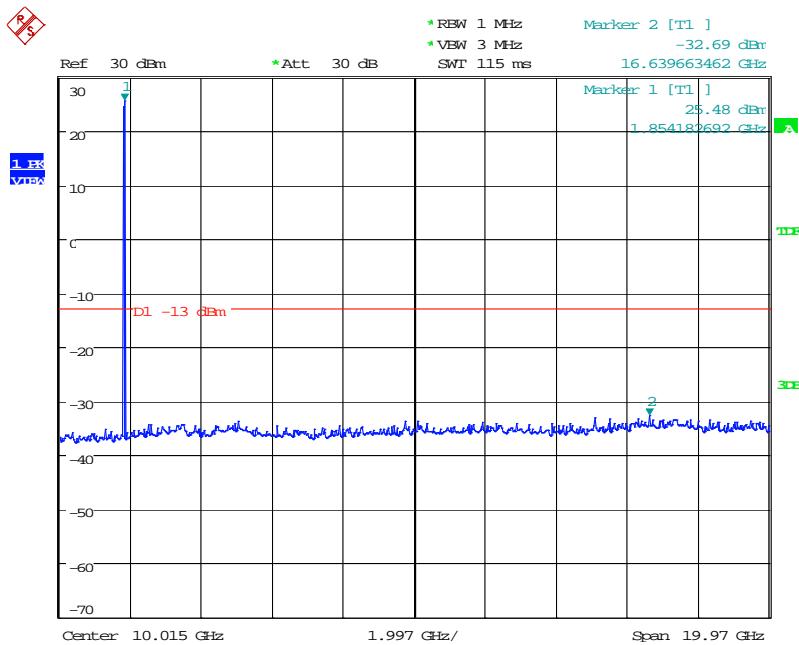
Date: 10.SEP.2016 16:05:34

Conducted Emission Transmitting Mode CH 4232 1GHz – 9GHz

```
                                    *RBW  1 MHz        Marker 1 [T1 ]
                                    *VBW  3 MHz                   -33.91 dBm
     Ref  30 dBm        *Att  30 dB *SWT  50 ms          5.371794872 GHz

   30
   20                                                                        A
   10
    0                                                                        TDF
  -10
       D1 -13 dBm
  -20
  -30                                                                        3DB
               1
  -40
  -50
  -60
  -70
     Start  1 GHz          800 MHz/                 Stop  9 GHz
```

Date: 10.SEP.2016 16:07:11
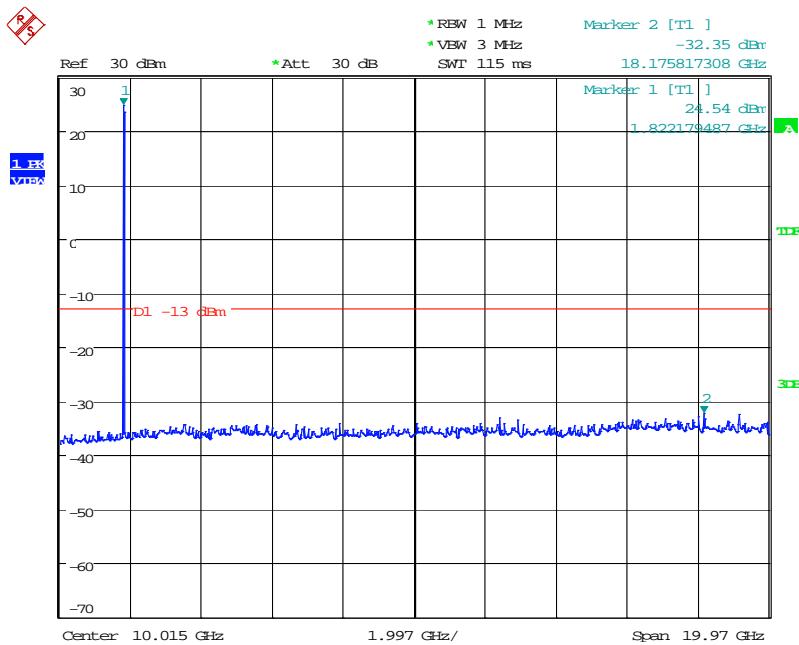
BAND 2@Conducted Spurious Emission

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

```
                                    *RBW 1 MHz        Marker 2 [T1 ]
                                    *VBW 3 MHz              -32.69 dBm
        Ref   30 dBm      *Att  30 dB   SWT 115 ms    16.639663462 GHz
         30  1                                  Marker 1 [T1 ]
                                                       25.48 dBm
         20                                         1.854182692 GHz    A
    1 PK
    VIEW
         10

         0                                                             TDF

        -10   D1 -13 dBm

        -20

        -30                                              2            3DB

        -40

        -50

        -60

        -70
        Center  10.015 GHz        1.997 GHz/         Span  19.97 GHz
```
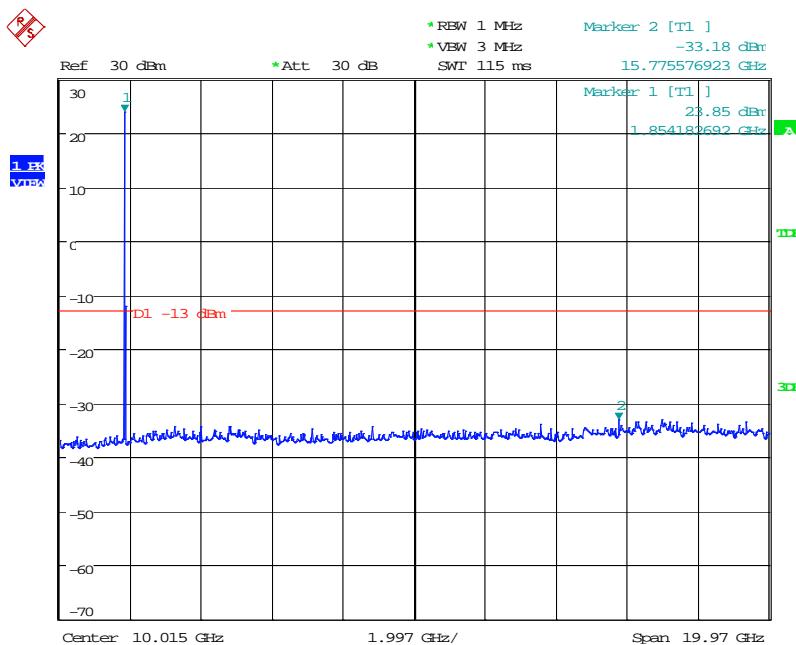
Date: 21.SEP.2016 13:48:15

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

```
                                    *RBW 1 MHz        Marker 2 [T1 ]
                                    *VBW 3 MHz              -32.35 dBm
        Ref   30 dBm      *Att  30 dB   SWT 115 ms    18.175817308 GHz
         30  1                                  Marker 1 [T1 ]
                                                       24.54 dBm
         20                                         1.822179487 GHz    A
    1 PK
    VIEW
         10

         0                                                             TDF

        -10   D1 -13 dBm

        -20

        -30                                              2            3DB

        -40

        -50

        -60

        -70
        Center  10.015 GHz        1.997 GHz/         Span  19.97 GHz
```

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Report No.: FCC16083918-5

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

*RBW 1 MHz	Marker 2 [T1]	
*VBW 3 MHz	−33.18 dBm	
Ref 30 dBm	*Att 30 dB	SWT 115 ms	15.775576923 GHz

Marker 1 [T1]
23.85 dBm
1.854182692 GHz

D1 −13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
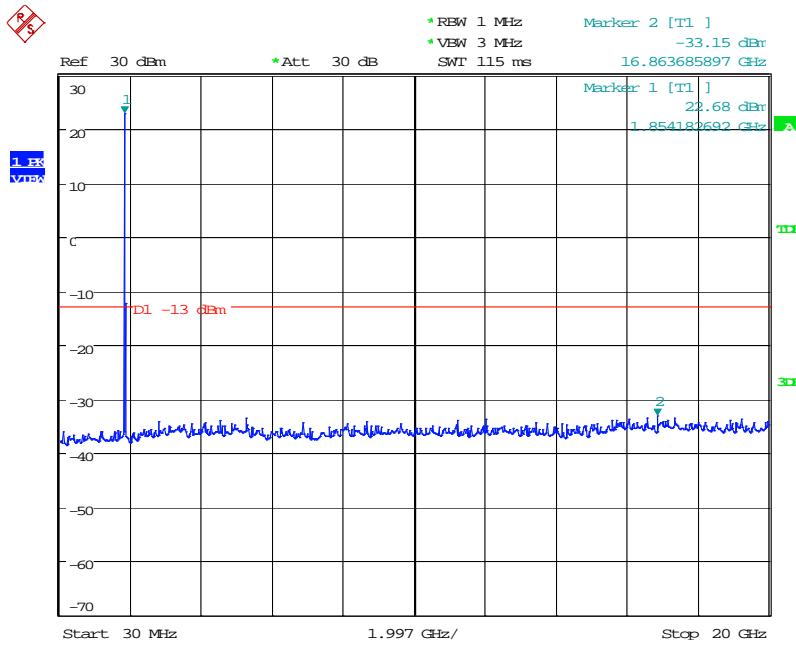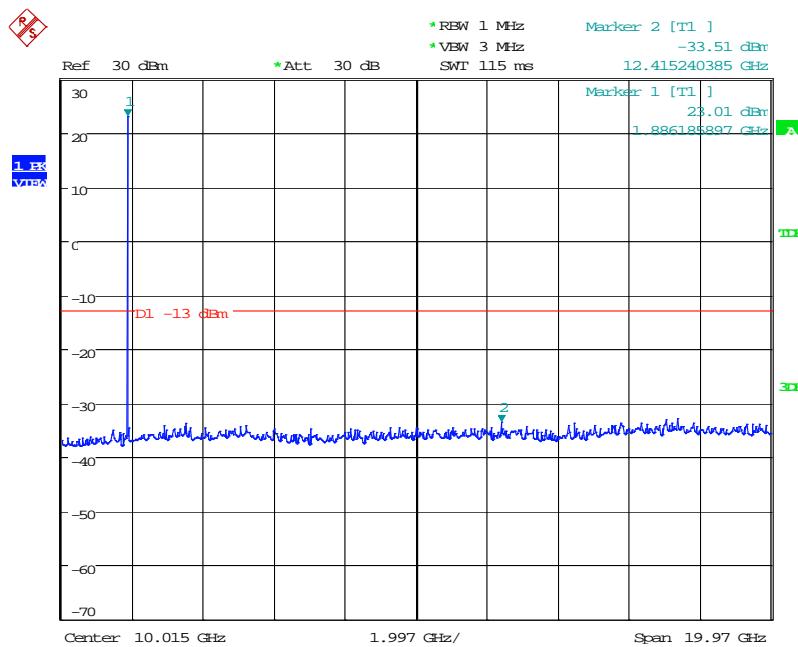
Date: 21.SEP.2016 13:49:53

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

*RBW 1 MHz	Marker 2 [T1]	
*VBW 3 MHz	−33.15 dBm	
Ref 30 dBm	*Att 30 dB	SWT 115 ms	16.863685897 GHz

Marker 1 [T1]
22.68 dBm
1.854182692 GHz

D1 −13 dBm

Start 30 MHz   1.997 GHz/   Stop 20 GHz

Date: 21.SEP.2016 13:50:59

Report No.: FCC16083918-5

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

```
                                    *RBW  1 MHz        Marker 2 [T1 ]
                                    *VBW  3 MHz                -33.51 dBm
       Ref   30 dBm      *Att  30 dB   SWT  115 ms     12.415240385 GHz
        30   1                                  Marker 1 [T1 ]
                                                        23.01 dBm
        20                                          1.886185897 GHz    A
 1 PK
 VIEW
        10

         C

       -10     D1 -13 dBm

       -20

       -30                                     2                      3DB

       -40

       -50

       -60

       -70
       Center  10.015 GHz         1.997 GHz/         Span  19.97 GHz
```
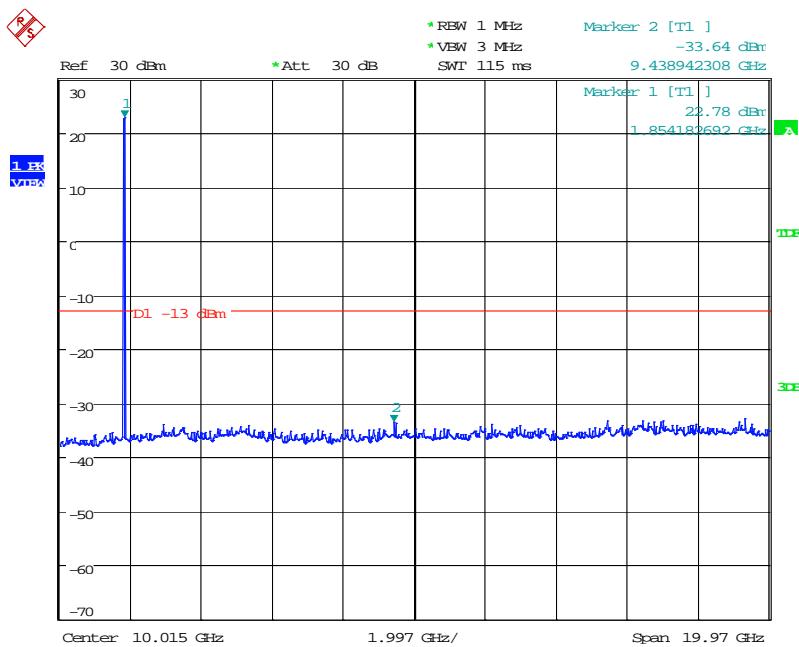
Date: 21.SEP.2016 13:53:02

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

```
                                    *RBW  1 MHz        Marker 2 [T1 ]
                                    *VBW  3 MHz                -31.66 dBm
       Ref   30 dBm      *Att  30 dB   SWT  115 ms     17.247724359 GHz
        30   1                                  Marker 1 [T1 ]
                                                        22.78 dBm
        20                                          1.886185897 GHz    A
 1 PK
 VIEW
        10

         C

       -10     D1 -13 dBm

       -20

       -30                                     2                      3DB

       -40

       -50

       -60

       -70
       Center  10.015 GHz         1.997 GHz/         Span  19.97 GHz
```

Date: 21.SEP.2016 13:53:49

Report No.: FCC16083918-5

BW3MHz-1851.5MHz,QPSK-15RB_LOW@Pass

```
                                    *RBW  1 MHz       Marker 2 [T1 ]
                                    *VBW  3 MHz                 -33.64 dBm
         Ref   30 dBm      *Att  30 dB    SWT 115 ms    9.438942308 GHz

    30                                          Marker 1 [T1 ]
     1                                                     22.78 dBm
    20                                                1.854182692 GHz   A

1 PK
VIEW
    10

     C                                                              TDF

   -10
        D1 -13 dBm

   -20
                                                                   3DB
   -30                          2

   -40

   -50

   -60

   -70
    Center  10.015 GHz        1.997 GHz/          Span  19.97 GHz
```

Date: 21.SEP.2016 13:55:52

BW3MHz-1851.5MHz,Q16-15RB_LOW@Pass

```
                                    *RBW  1 MHz       Marker 2 [T1 ]
                                    *VBW  3 MHz                 -32.41 dBm
         Ref   30 dBm      *Att  30 dB    SWT 115 ms   15.807580128 GHz

    30                                          Marker 1 [T1 ]
     1                                                     22.39 dBm
    20                                                1.854182692 GHz   A

1 PK
VIEW
    10

     C                                                              TDF

   -10
        D1 -13 dBm

   -20
                                                                   3DB
   -30                                             2

   -40

   -50

   -60

   -70
    Center  10.015 GHz        1.997 GHz/          Span  19.97 GHz
```
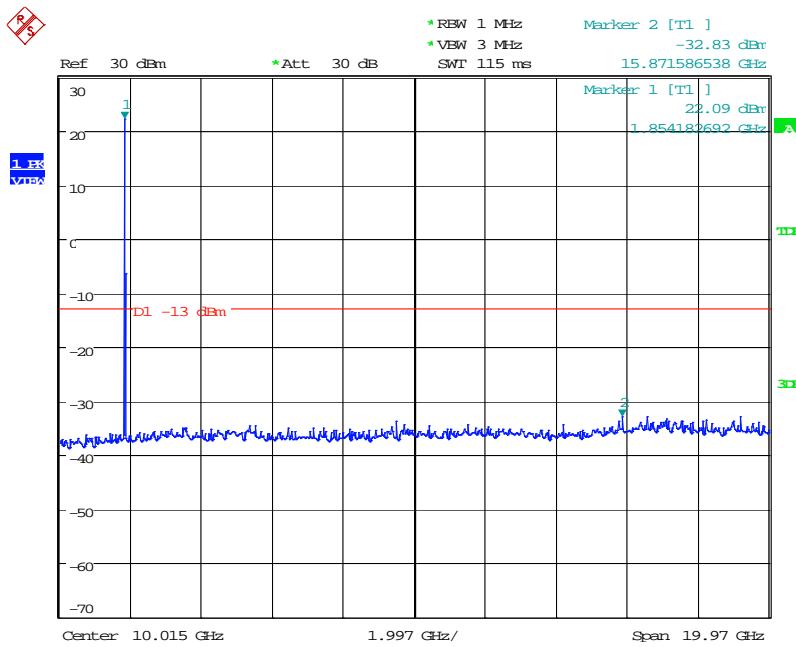
Date: 21.SEP.2016 13:56:36

Report No.: FCC16083918-5

BW3MHz-1880MHz,QPSK-15RB_LOW @Pass
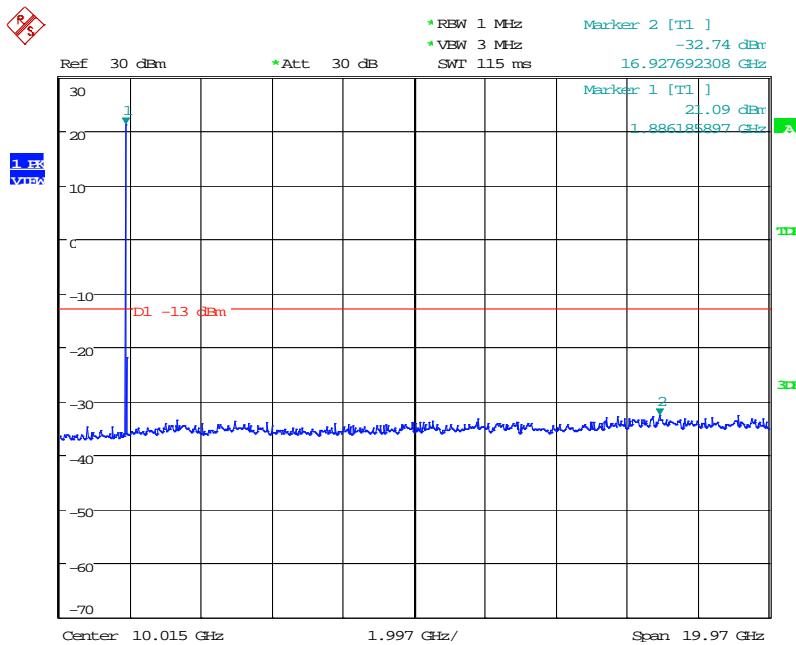
Date: 21.SEP.2016 13:58:59

BW3MHz-1880MHz,Q16-15RB_LOW @Pass
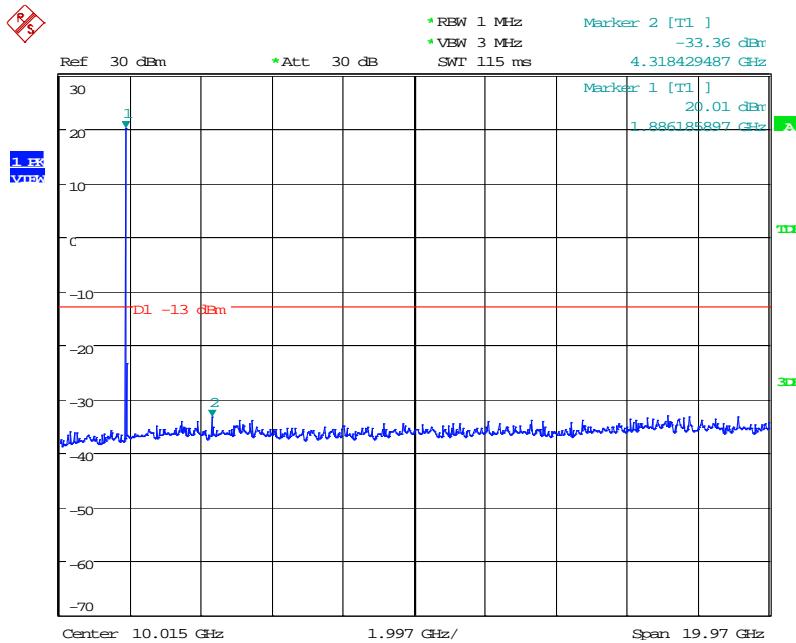
Date: 21.SEP.2016 14:00:00

Report No.: FCC16083918-5

BW3MHz-1908.5MHz,QPSK-15RB_LOW@Pass
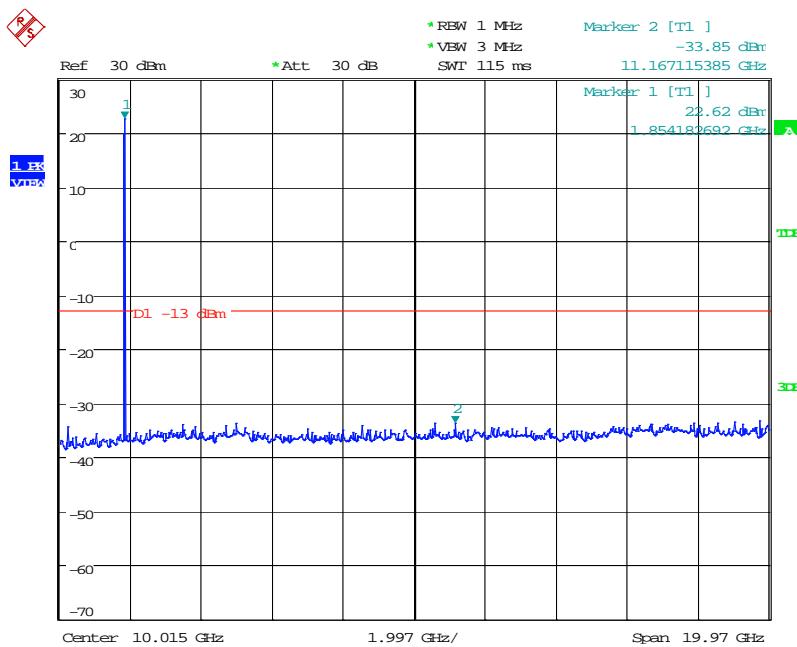
Date: 21.SEP.2016 14:00:59

BW3MHz-1908.5MHz,Q16-15RB_LOW@Pass

Date: 21.SEP.2016 14:02:37

Report No.: FCC16083918-5

BW5MHz-1852.5MHz,QPSK-25RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	-33.85 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	11.167115385 GHz

Marker 1 [T1]
22.62 dBm
1.854182692 GHz

1 PK
VIEW

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
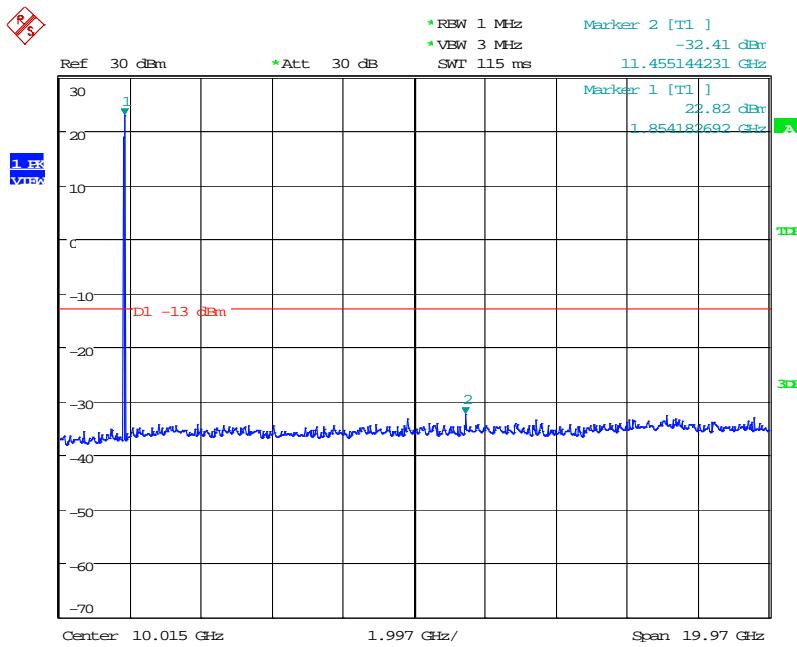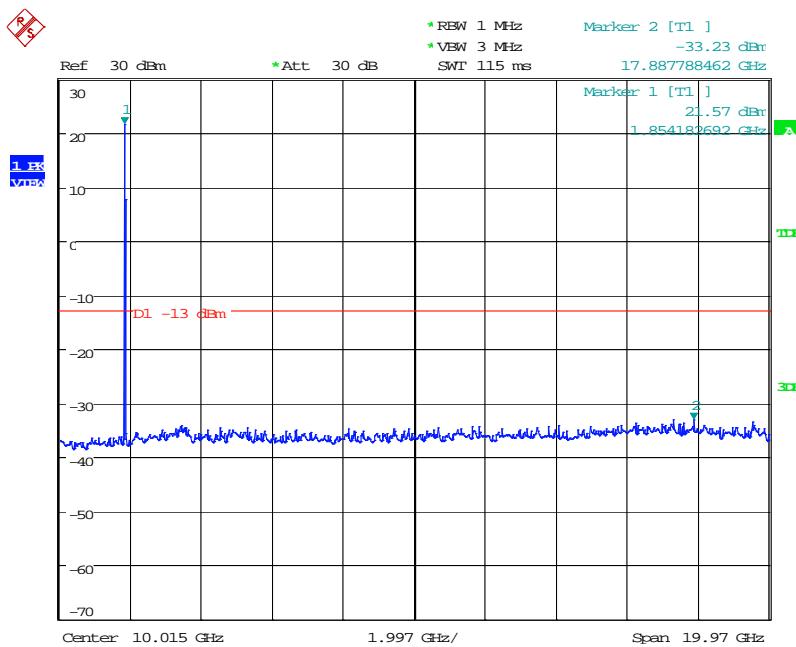
Date: 21.SEP.2016 14:04:15

BW5MHz-1852.5MHz,Q16-25RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	-32.41 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	11.455144231 GHz

Marker 1 [T1]
22.82 dBm
1.854182692 GHz

1 PK
VIEW

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 14:05:59

Report No.: FCC16083918-5

BW5MHz-1880MHz,QPSK-25RB_LOW @Pass

*RBW 1 MHz	Marker 2 [T1]
*VBW 3 MHz	-33.23 dBm
Ref 30 dBm	*Att 30 dB	SWT 115 ms	17.887788462 GHz

Marker 1 [T1]
21.57 dBm
1.854182692 GHz

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
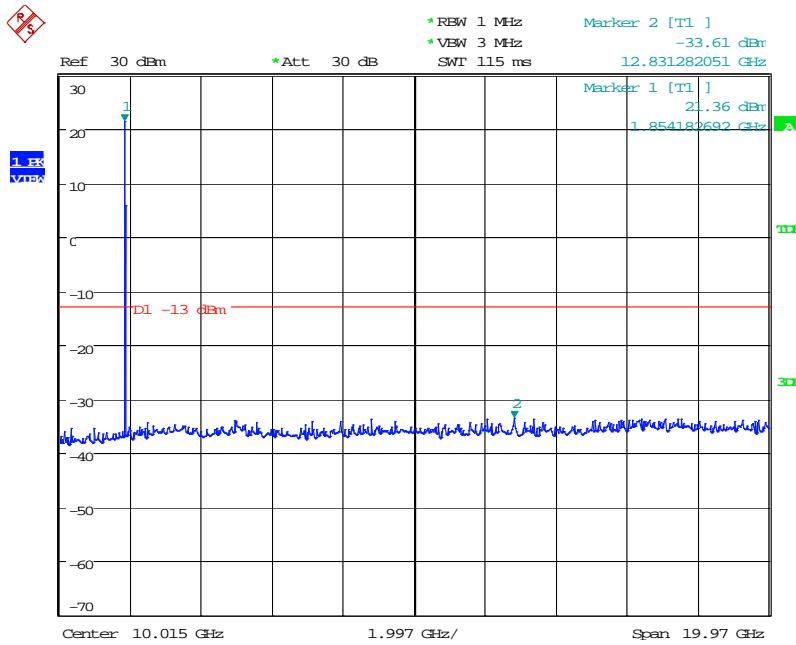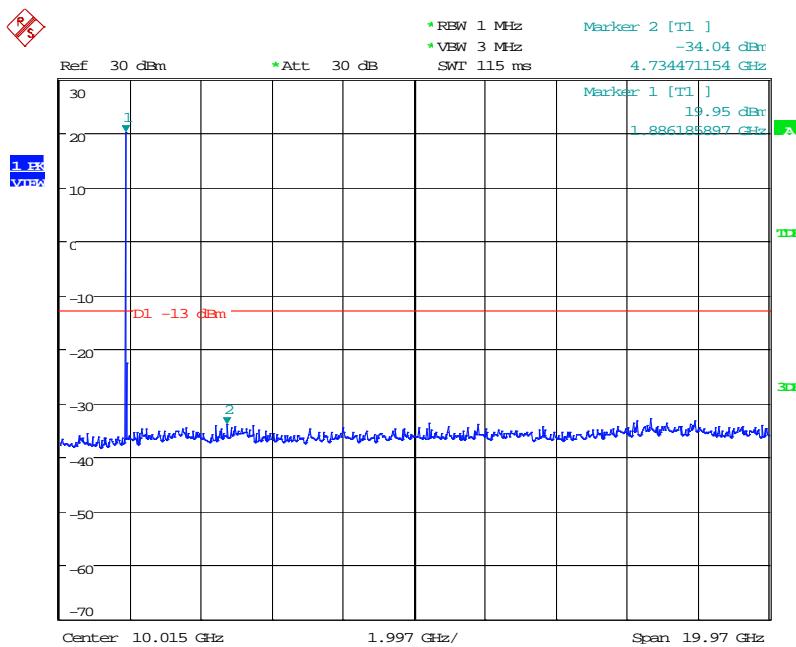
Date: 21.SEP.2016 14:06:59

BW5MHz-1880MHz,Q16-25RB_LOW @Pass

*RBW 1 MHz	Marker 2 [T1]
*VBW 3 MHz	-33.61 dBm
Ref 30 dBm	*Att 30 dB	SWT 115 ms	12.831282051 GHz

Marker 1 [T1]
21.36 dBm
1.854182692 GHz

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 14:08:13

Report No.: FCC16083918-5

BW5MHz-1907.5MHz,QPSK-25RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	−34.04 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	4.734471154 GHz

Marker 1 [T1]
19.95 dBm
1.886185897 GHz

1 PK
VIEW

D1 −13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
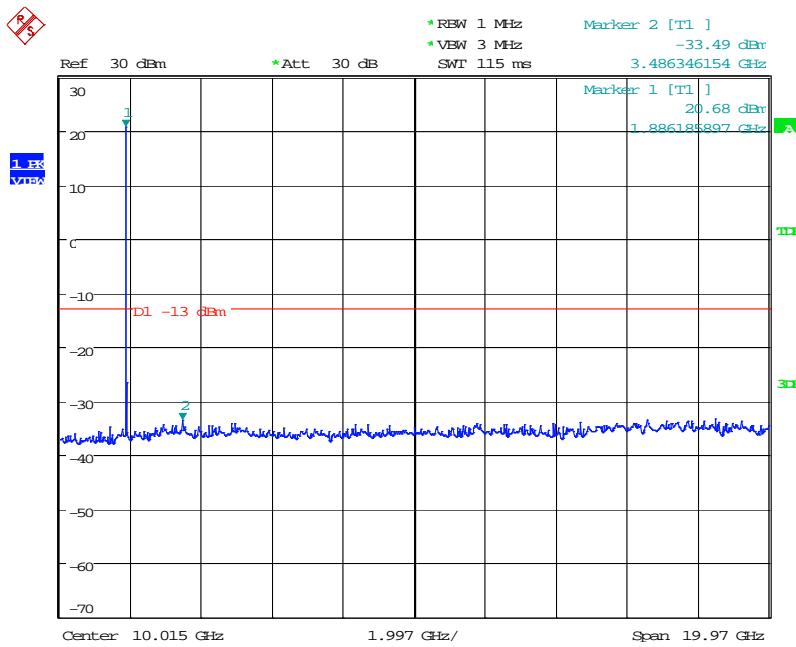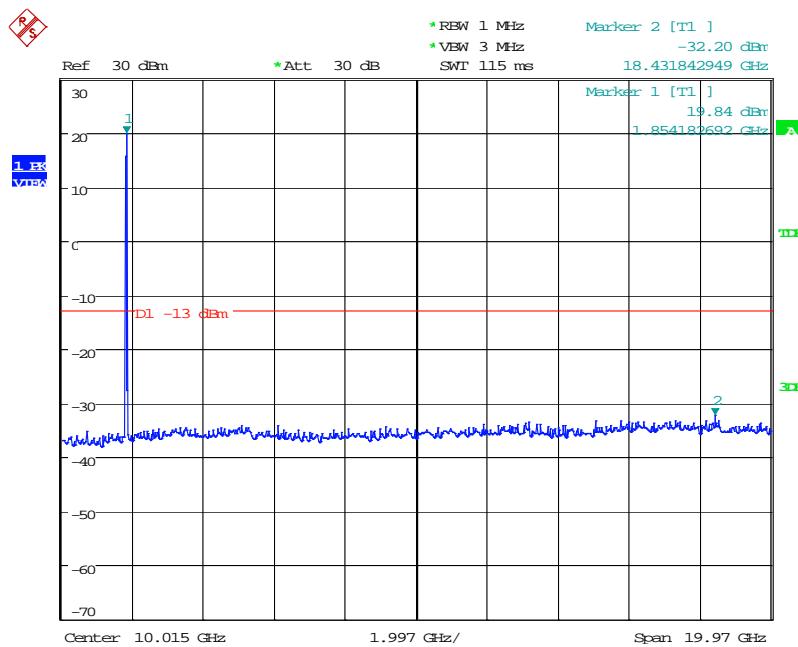
Date: 21.SEP.2016 14:09:15

BW5MHz-1907.5MHz,Q16-25RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	−33.49 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	3.486346154 GHz

Marker 1 [T1]
20.68 dBm
1.886185897 GHz

1 PK
VIEW

D1 −13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 14:10:19

Report No.: FCC16083918-5

BW10MHz-1855MHz,QPSK-50RB_LOW@Pass

```
                                    *RBW  1 MHz        Marker 2 [T1 ]
                                    *VBW  3 MHz              -32.20 dBm
        Ref   30 dBm      *Att  30 dB    SWT 115 ms     18.431842949 GHz
```

30							Marker 1 [T1]	
	1						19.84 dBm	A
20							1.854182692 GHz	
10								
0								TDF
-10								
	D1 -13 dBm							
-20								
-30						2		3DB
-40								
-50								
-60								
-70								

```
        Center  10.015 GHz          1.997 GHz/          Span  19.97 GHz
```
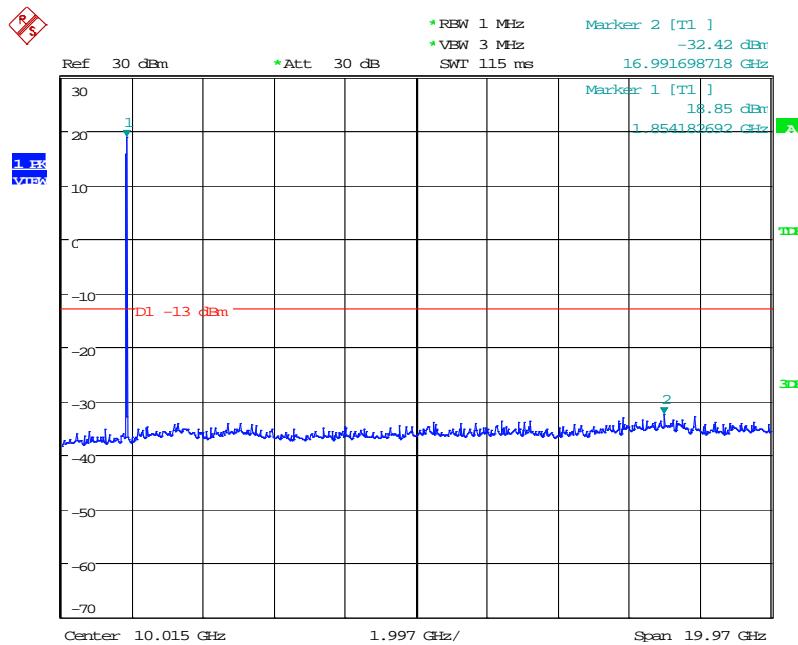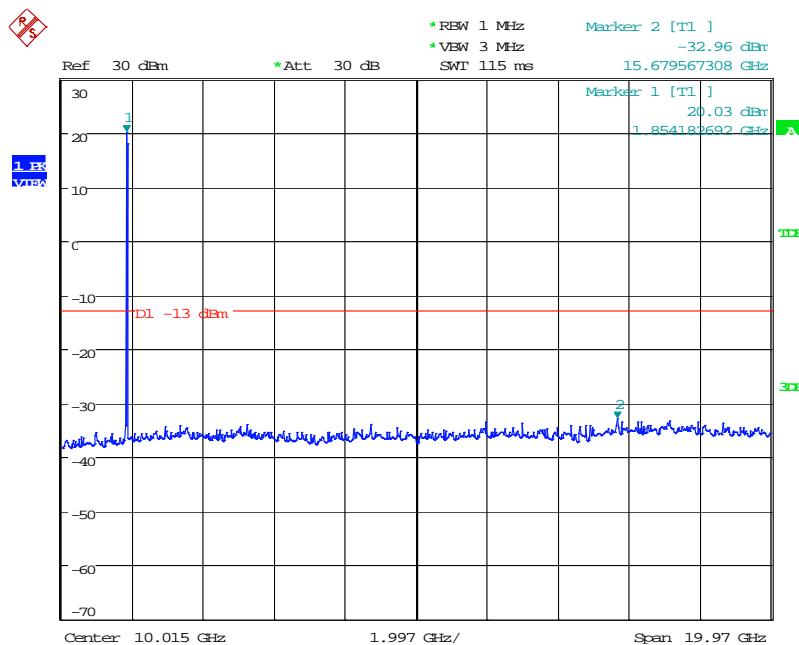
Date: 21.SEP.2016 14:11:54

BW10MHz-1855MHz,Q16-50RB_LOW@Pass

```
                                    *RBW  1 MHz        Marker 2 [T1 ]
                                    *VBW  3 MHz              -32.42 dBm
        Ref   30 dBm      *Att  30 dB    SWT 115 ms     16.991698718 GHz
```

30							Marker 1 [T1]	
	1						18.85 dBm	A
20							1.854182692 GHz	
10								
0								TDF
-10								
	D1 -13 dBm							
-20								
-30						2		3DB
-40								
-50								
-60								
-70								

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

Date: 21.SEP.2016 14:12:38

Report No.: FCC16083918-5

BW10MHz-1880MHz,QPSK-50RB_LOW@Pass

		*RBW 1 MHz	Marker 2 [T1]	
		*VBW 3 MHz	−32.96 dBm	
Ref 30 dBm	*Att 30 dB	SWT 115 ms	15.679567308 GHz	

Marker 1 [T1]
20.03 dBm
1.854182692 GHz

D1 −13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
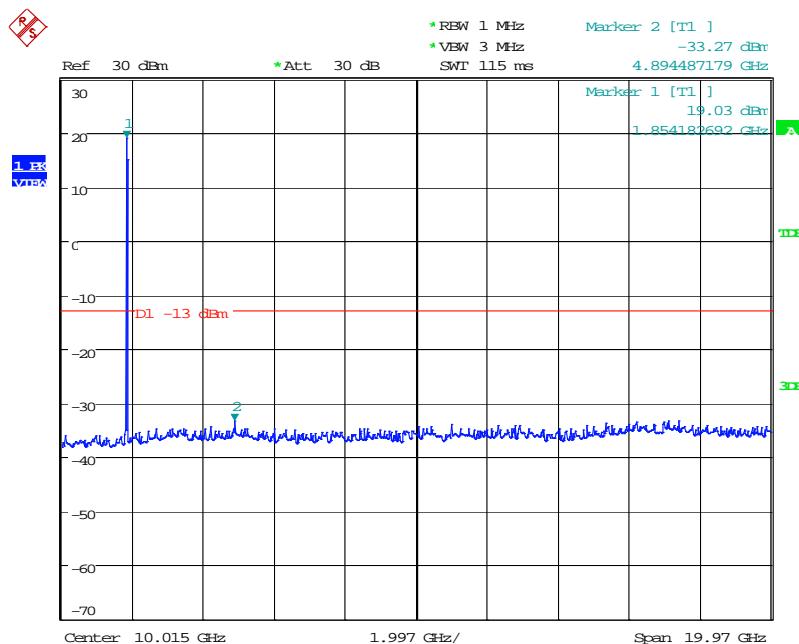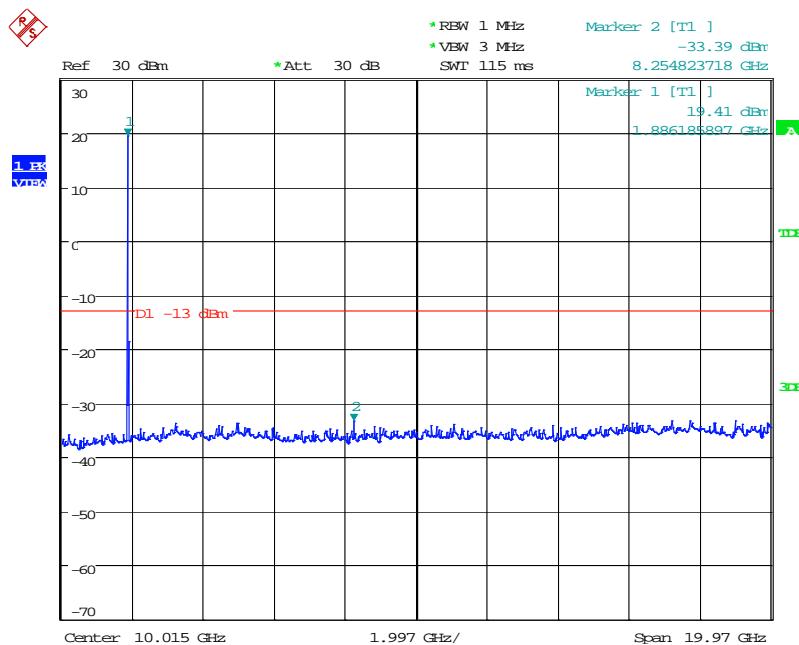
Date: 21.SEP.2016 14:16:05

BW10MHz-1880MHz,Q16-50RB_LOW@Pass

		*RBW 1 MHz	Marker 2 [T1]	
		*VBW 3 MHz	−33.27 dBm	
Ref 30 dBm	*Att 30 dB	SWT 115 ms	4.894487179 GHz	

Marker 1 [T1]
19.03 dBm
1.854182692 GHz

D1 −13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 14:16:30

Report No.: FCC16083918-5

BW10MHz-1905MHz,QPSK-50RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]	
	*VBW 3 MHz	−33.39 dBm	
Ref 30 dBm	*Att 30 dB SWT 115 ms	8.254823718 GHz	

Marker 1 [T1]
19.41 dBm
1.886185897 GHz

1 PK
VIEW

D1 −13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
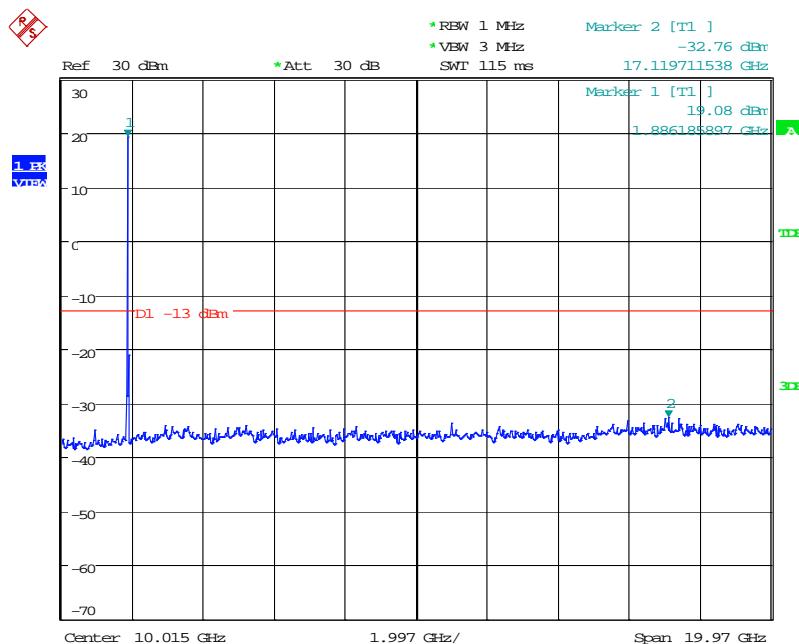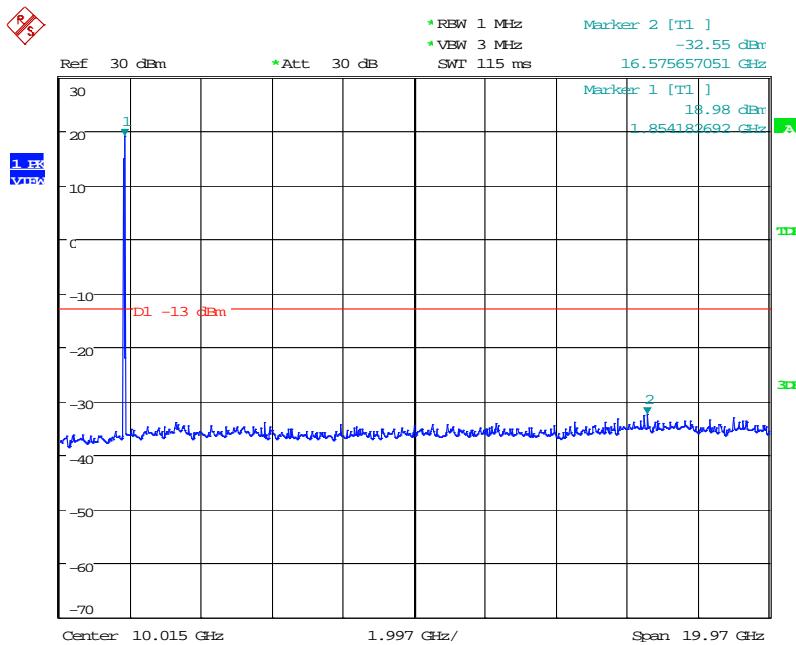
Date: 21.SEP.2016 14:17:30

BW10MHz-1905MHz,Q16-50RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]	
	*VBW 3 MHz	−32.76 dBm	
Ref 30 dBm	*Att 30 dB SWT 115 ms	17.119711538 GHz	

Marker 1 [T1]
19.08 dBm
1.886185897 GHz

1 PK
VIEW

D1 −13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 14:18:59

Report No.: FCC16083918-5

BW15MHz-1857.5MHz,QPSK-75RB_LOW@Pass

```
                                    *RBW  1 MHz      Marker 2 [T1 ]
                                    *VBW  3 MHz               -32.55 dBm
          Ref   30 dBm      *Att  30 dB   SWT 115 ms   16.575657051 GHz
```



```
Center  10.015 GHz          1.997 GHz/          Span  19.97 GHz
```
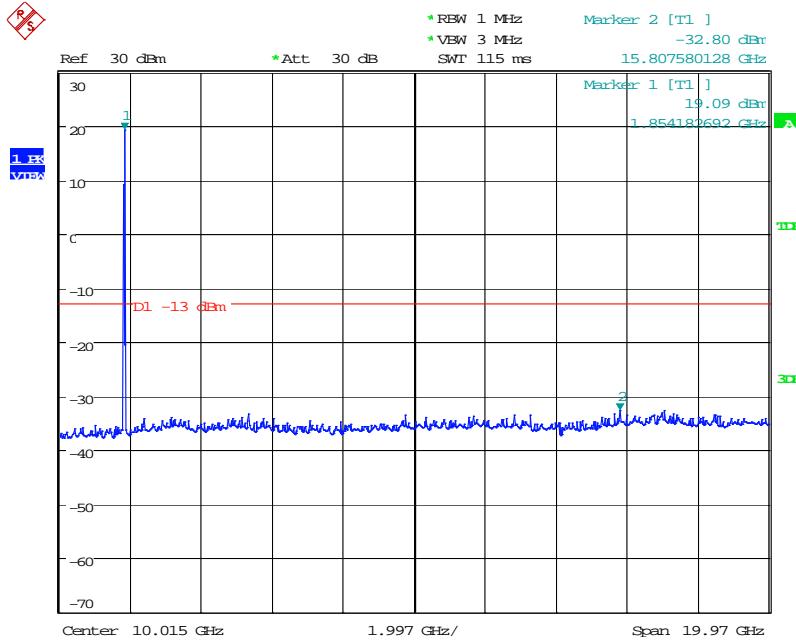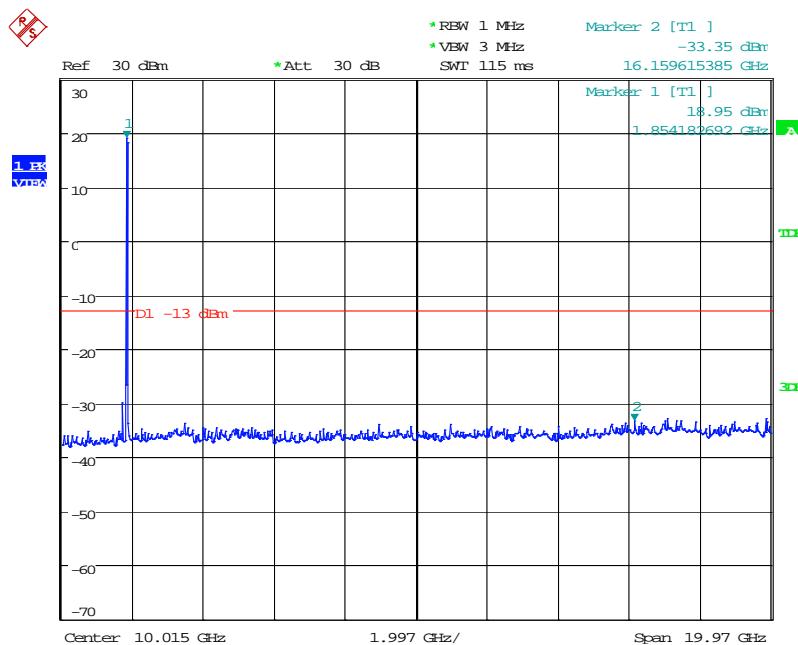
Date: 21.SEP.2016 14:20:23

BW15MHz-1857.5MHz,Q16-75RB_LOW@Pass

```
                                    *RBW  1 MHz      Marker 2 [T1 ]
                                    *VBW  3 MHz               -32.80 dBm
          Ref   30 dBm      *Att  30 dB   SWT 115 ms   15.807580128 GHz
```



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

Date: 21.SEP.2016 14:21:16

Report No.: FCC16083918-5

BW15MHz-1880MHz,QPSK-75RB_LOW@Pass

		*RBW 1 MHz	Marker 2 [T1]	
		*VBW 3 MHz	−33.35 dBm	
Ref 30 dBm	*Att 30 dB	SWT 115 ms	16.159615385 GHz	

Marker 1 [T1]
18.95 dBm
1.854182692 GHz

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
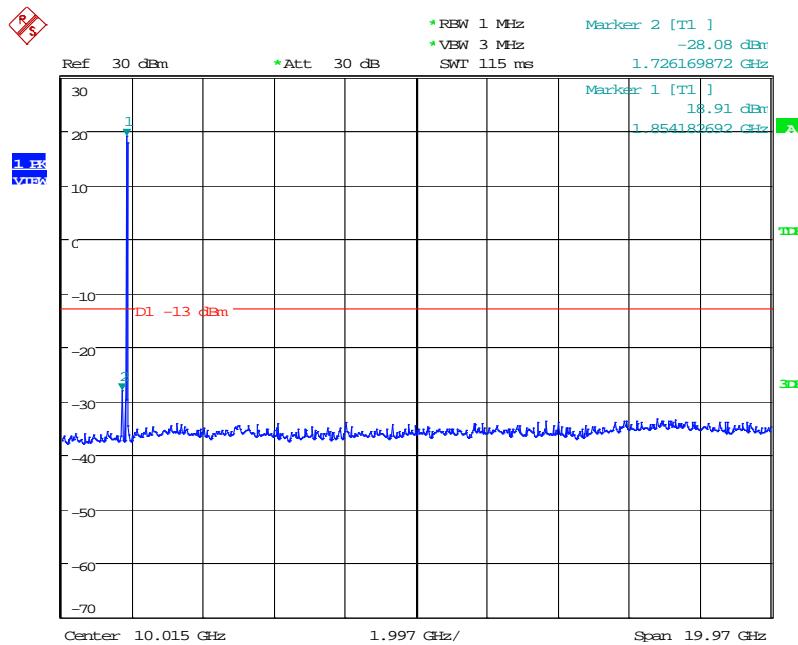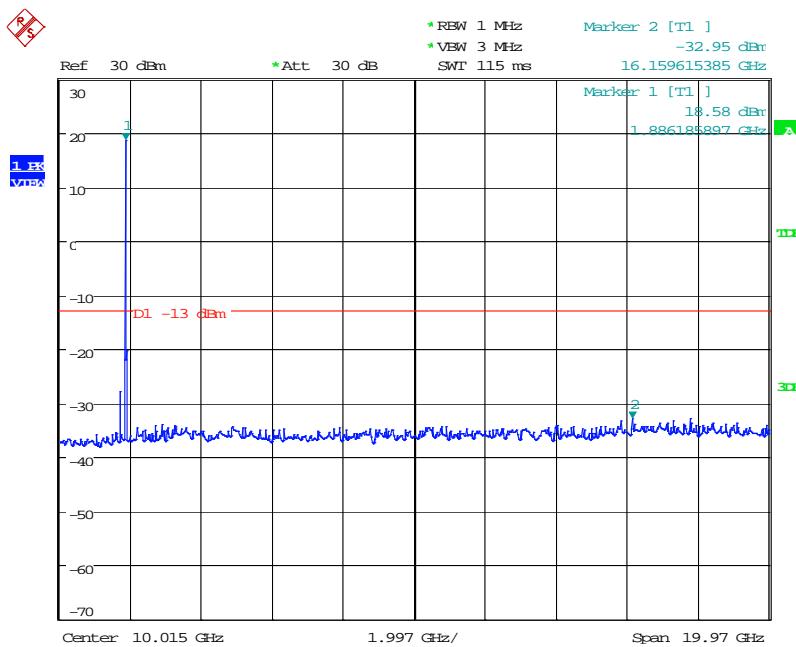
Date: 21.SEP.2016 14:22:57

BW15MHz-1880MHz,Q16-75RB_LOW@Pass

		*RBW 1 MHz	Marker 2 [T1]	
		*VBW 3 MHz	−28.08 dBm	
Ref 30 dBm	*Att 30 dB	SWT 115 ms	1.726169872 GHz	

Marker 1 [T1]
18.91 dBm
1.854182692 GHz

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 14:23:55

Report No.: FCC16083918-5

BW15MHz-1902.5MHz,QPSK-75RB_LOW@Pass

```
                                        *RBW  1 MHz        Marker 2 [T1 ]
                                        *VBW  3 MHz                 -32.95 dBm
         Ref   30 dBm      *Att  30 dB   SWT  115 ms       16.159615385 GHz
                                                           Marker 1 [T1 ]
                                                                    18.58 dBm
                                                           1.886185897 GHz
```

Date: 21.SEP.2016 14:25:09

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

BW15MHz-1902.5MHz,Q16-75RB_LOW@Pass

```
                                        *RBW  1 MHz        Marker 2 [T1 ]
                                        *VBW  3 MHz                 -34.04 dBm
         Ref   30 dBm      *Att  30 dB   SWT  115 ms       7.006698718 GHz
                                                           Marker 1 [T1 ]
                                                                    16.27 dBm
                                                           1.886185897 GHz
```

Date: 21.SEP.2016 14:26:33

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Report No.: FCC16083918-5

BW20MHz-1860MHz,QPSK-100RB_LOW@Pass


```
                                    *RBW 1 MHz        Marker 2 [T1 ]
                                    *VBW 3 MHz                  -33.67 dBm
         Ref   30 dBm     *Att 30 dB  SWT 115 ms      4.446442308 GHz
                                                  Marker 1 [T1 ]
                                                            19.26 dBm
                                                  1.854182692 GHz
```

Date: 21.SEP.2016 14:27:36

BW20MHz-1860MHz,Q16-100RB_LOW@Pass


```
                                    *RBW 1 MHz        Marker 2 [T1 ]
                                    *VBW 3 MHz                  -34.02 dBm
         Ref   30 dBm     *Att 30 dB  SWT 115 ms      3.262323718 GHz
                                                  Marker 1 [T1 ]
                                                            17.57 dBm
                                                  1.854182692 GHz
```

Date: 21.SEP.2016 14:28:51

Report No.: FCC16083918-5

BW20MHz-1880MHz,QPSK-100RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	-32.89 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	17.023701923 GHz

Marker 1 [T1]
17.47 dBm
1.854182692 GHz

D1 -13 dBm

1 PK
VIEW

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
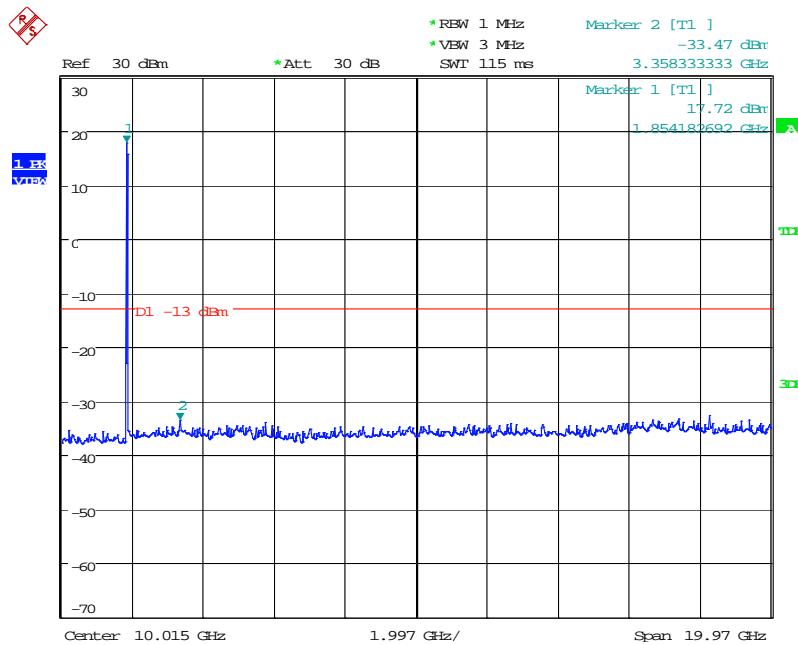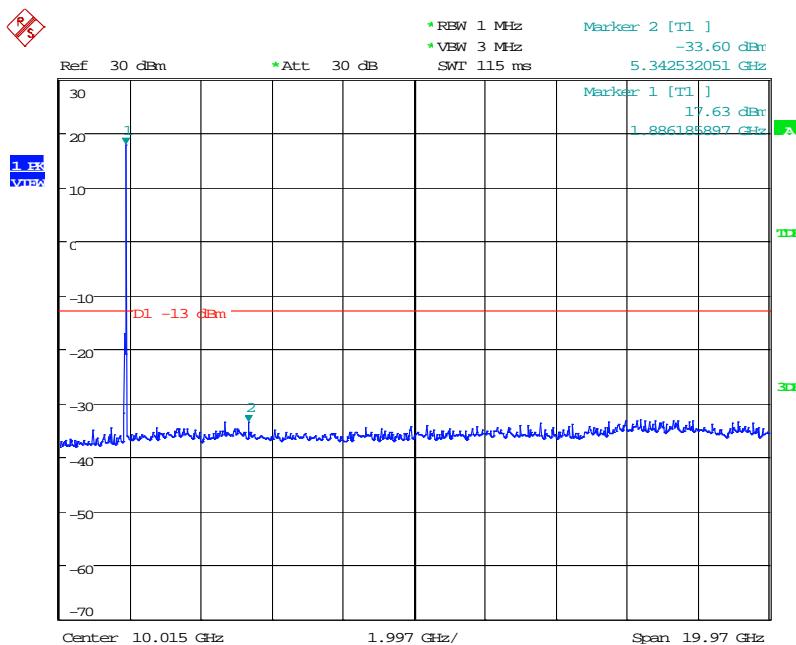
Date: 21.SEP.2016 14:29:33

BW20MHz-1880MHz,Q16-100RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	-33.47 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	3.358333333 GHz

Marker 1 [T1]
17.72 dBm
1.854182692 GHz

D1 -13 dBm

1 PK
VIEW

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
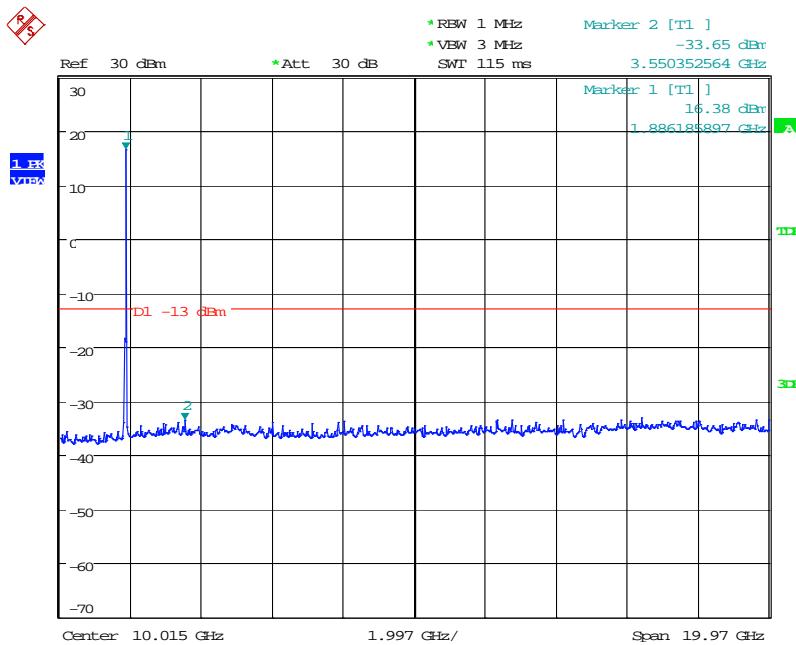
Date: 21.SEP.2016 14:31:15

Report No.: FCC16083918-5

BW20MHz-1900MHz,QPSK-100RB_LOW@Pass

Date: 21.SEP.2016 14:32:02
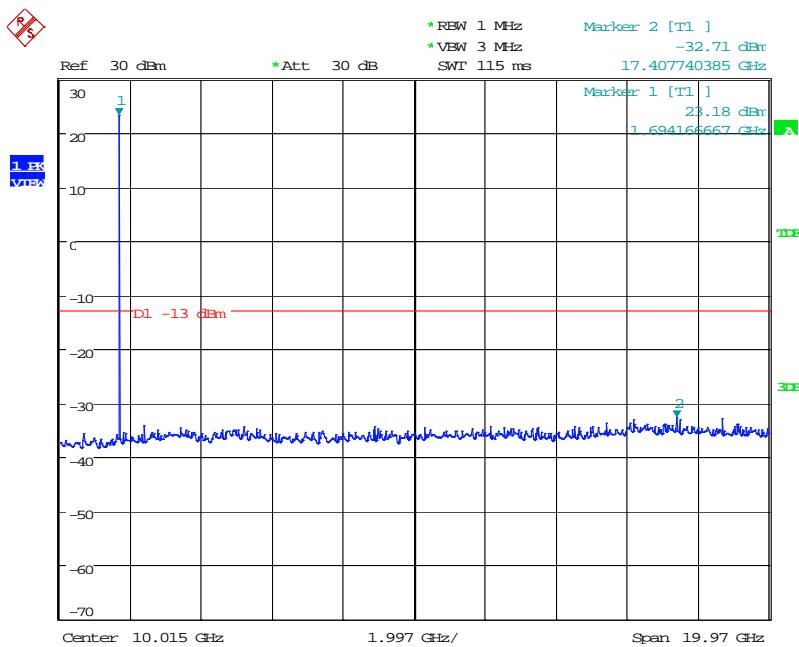
BW20MHz-1900MHz,Q16-100RB_LOW@Pass

Date: 21.SEP.2016 14:32:47

Report No.: FCC16083918-5
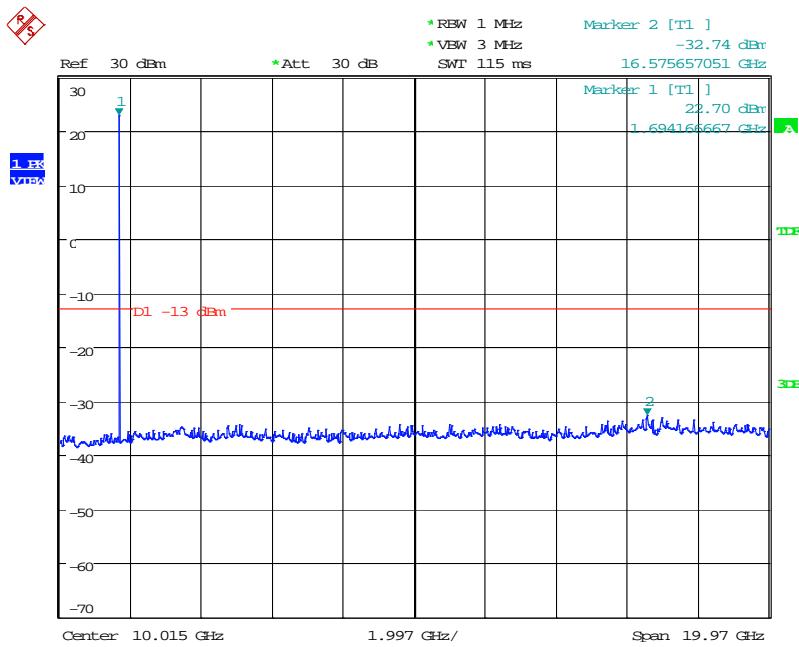
BAND 4@Conducted Spurious Emission

BW1.4MHz-1710.7MHz,QPSK-6RB_LOW@Pass

*RBW 1 MHz	Marker 2 [T1]
*VBW 3 MHz	−32.71 dBm
Ref 30 dBm *Att 30 dB SWT 115 ms	17.407740385 GHz
	Marker 1 [T1]
	23.18 dBm
	1.694166667 GHz

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
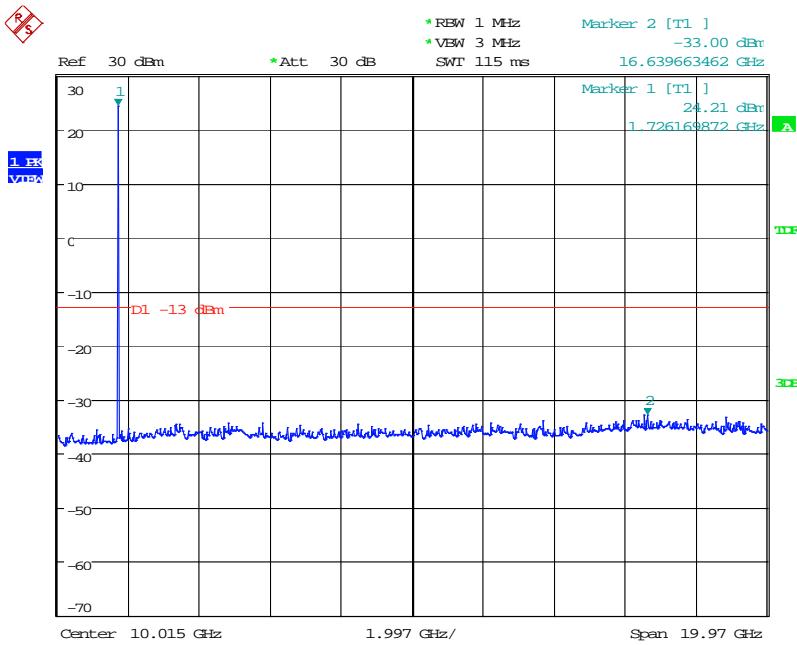
Date: 21.SEP.2016 15:46:06

BW1.4MHz-1710.7MHz,Q16-6RB_LOW@Pass

*RBW 1 MHz	Marker 2 [T1]
*VBW 3 MHz	−32.74 dBm
Ref 30 dBm *Att 30 dB SWT 115 ms	16.575657051 GHz
	Marker 1 [T1]
	22.70 dBm
	1.694166667 GHz

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 15:47:49

Report No.: FCC16083918-5

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

		*RBW 1 MHz	Marker 2 [T1]
		*VBW 3 MHz	−33.00 dBm
Ref 30 dBm	*Att 30 dB	SWT 115 ms	16.639663462 GHz

Marker 1 [T1]
24.21 dBm
1.726169872 GHz

1 PK
VIEW

D1 −13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 15:49:11

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

		*RBW 1 MHz	Marker 2 [T1]
		*VBW 3 MHz	−32.00 dBm
Ref 30 dBm	*Att 30 dB	SWT 115 ms	16.191618590 GHz

Marker 1 [T1]
23.51 dBm
1.726169872 GHz

1 PK
VIEW

D1 −13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
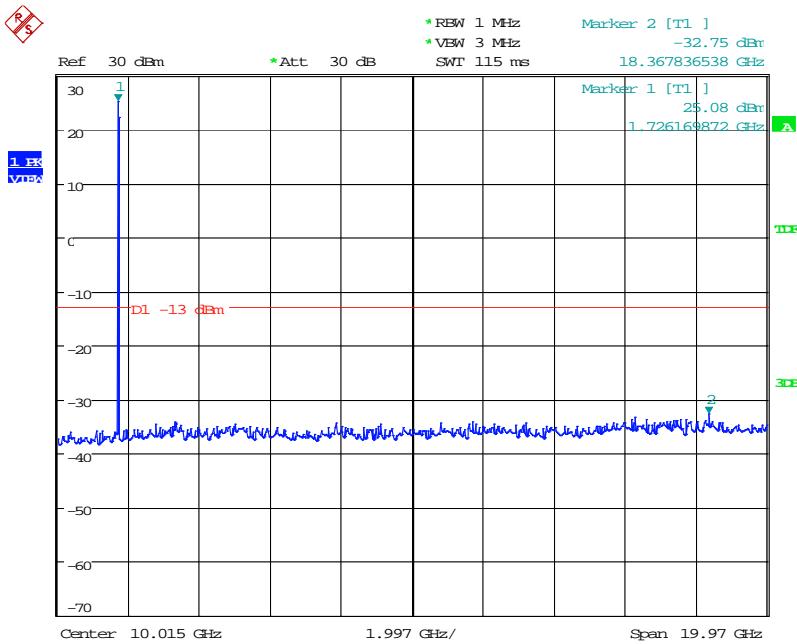
Date: 21.SEP.2016 15:50:21

Report No.: FCC16083918-5

BW1.4MHz-1754.3MHz,QPSK-6RB_LOW@Pass

Date: 21.SEP.2016 15:51:41

BW1.4MHz-1754.3MHz,Q16-6RB_LOW@Pass
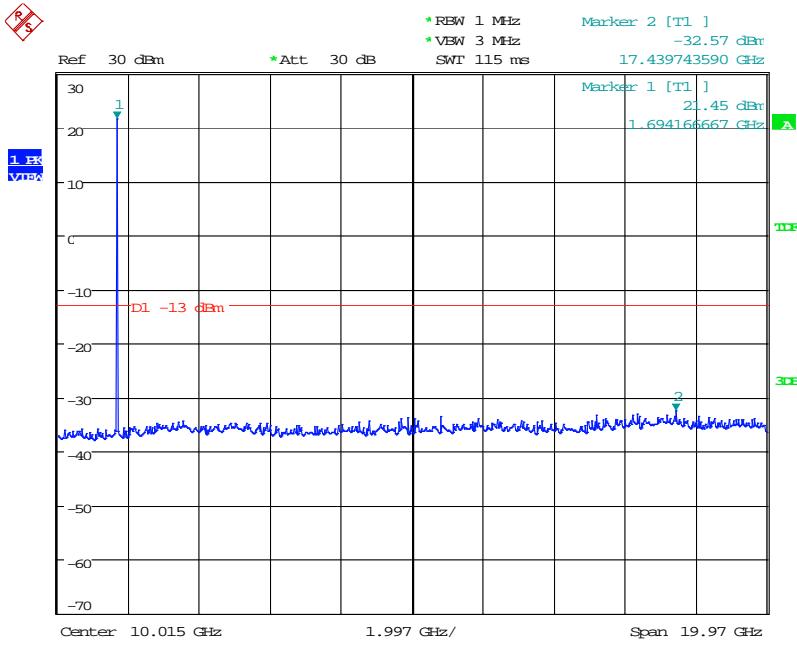
Date: 21.SEP.2016 15:52:35

BW3MHz-1711.5MHz,QPSK-15RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	-33.40 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	17.055705128 GHz

Marker 1 [T1]
21.46 dBm
1.694166667 GHz

1 PK
VIEW

D1 -13 dBm

Center 10.015 GHz 1.997 GHz/ Span 19.97 GHz
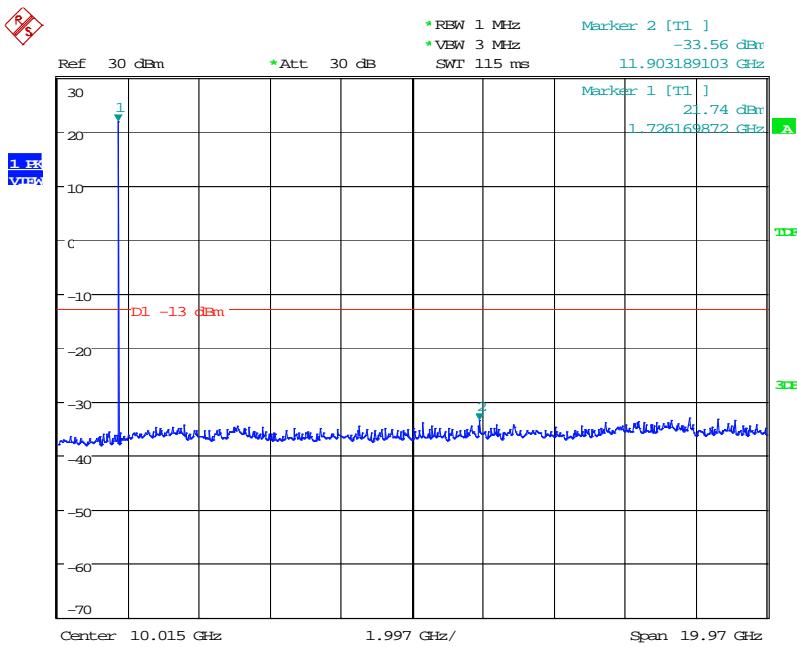
Date: 21.SEP.2016 15:54:46

BW3MHz-1711.5MHz,Q16-15RB_LOW@Pass
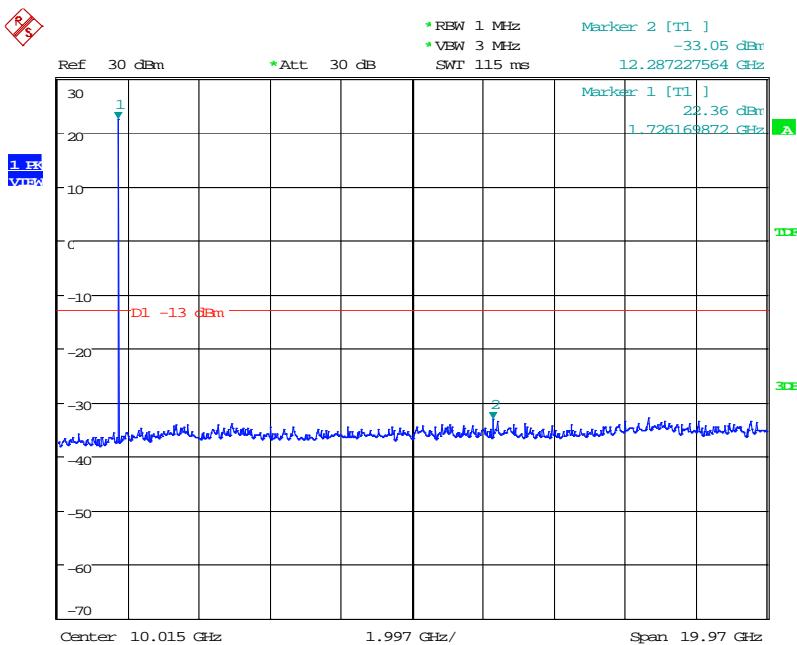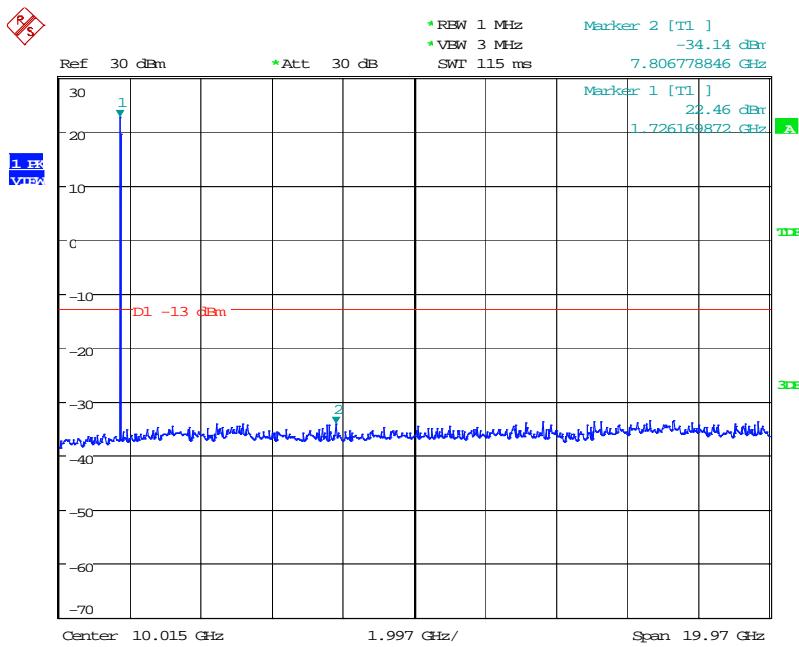
	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	-32.57 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	17.439743590 GHz

Marker 1 [T1]
21.45 dBm
1.694166667 GHz

1 PK
VIEW

D1 -13 dBm

Center 10.015 GHz 1.997 GHz/ Span 19.97 GHz

Date: 21.SEP.2016 15:55:44

Report No.: FCC16083918-5

BW3MHz-1732.5MHz,QPSK-15RB_LOW@Pass

Date: 21.SEP.2016 15:56:34

BW3MHz-1732.5MHz,Q16-15RB_LOW@Pass

Date: 21.SEP.2016 15:57:27

Report No.: FCC16083918-5
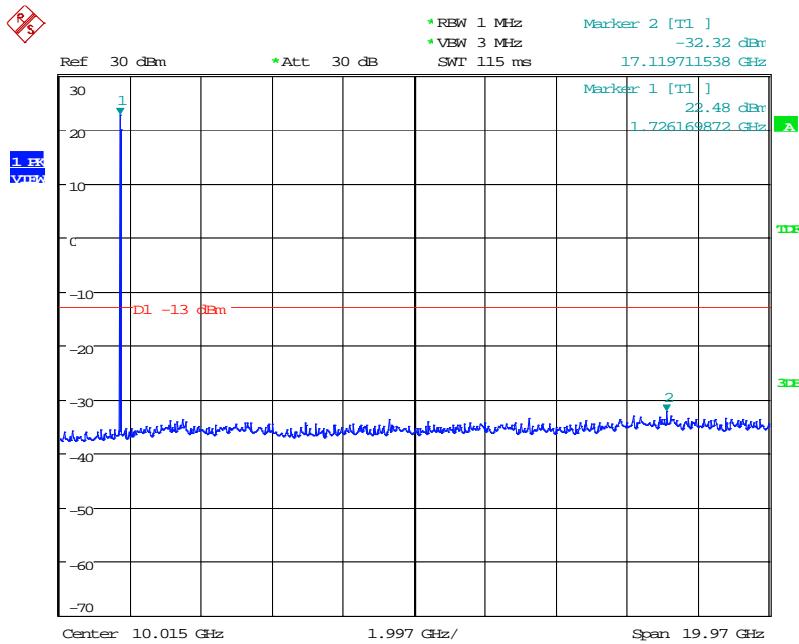
BW3MHz-1753.5MHz,QPSK-15RB_LOW@Pass
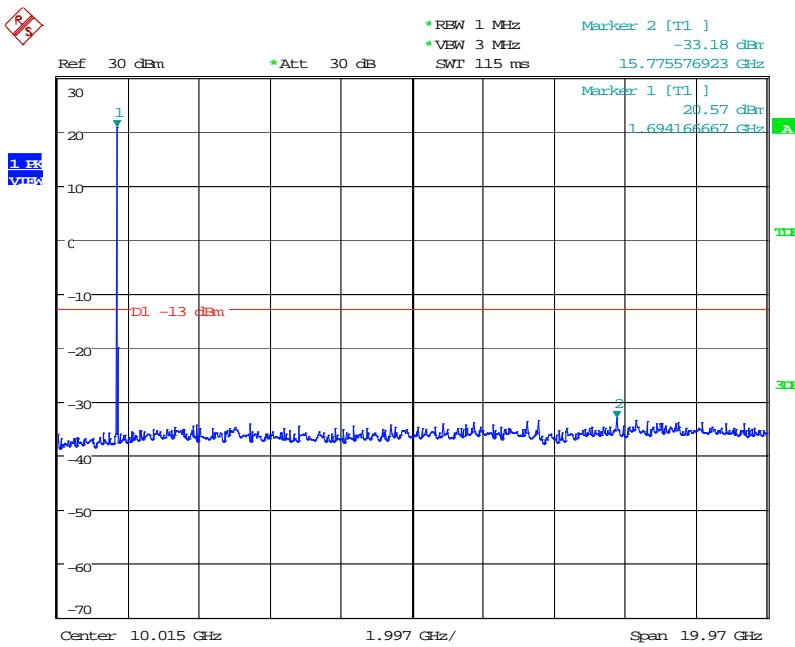
Date: 21.SEP.2016 15:58:19

BW3MHz-1753.5MHz,Q16-15RB_LOW@Pass

Date: 21.SEP.2016 15:59:33

Report No.: FCC16083918-5

BW5MHz-1712.5MHz,QPSK-25RB_LOW @Pass

		*RBW 1 MHz	Marker 2 [T1]
		*VBW 3 MHz	-33.18 dBm
Ref 30 dBm	*Att 30 dB	SWT 115 ms	15.775576923 GHz

Marker 1 [T1]
20.57 dBm
1.694166667 GHz

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 16:13:59

BW5MHz-1712.5MHz,Q16-25RB_LOW @Pass

		*RBW 1 MHz	Marker 2 [T1]
		*VBW 3 MHz	-32.78 dBm
Ref 30 dBm	*Att 30 dB	SWT 115 ms	19.679967949 GHz

Marker 1 [T1]
21.28 dBm
1.694166667 GHz

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
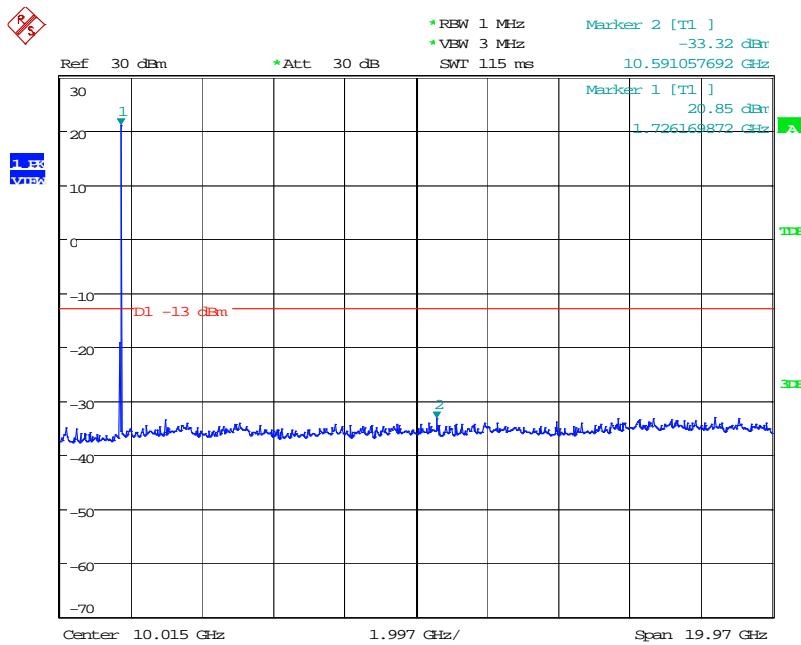
Date: 21.SEP.2016 16:15:12

BW5MHz-1732.5MHz,QPSK-25RB_LOW @Pass
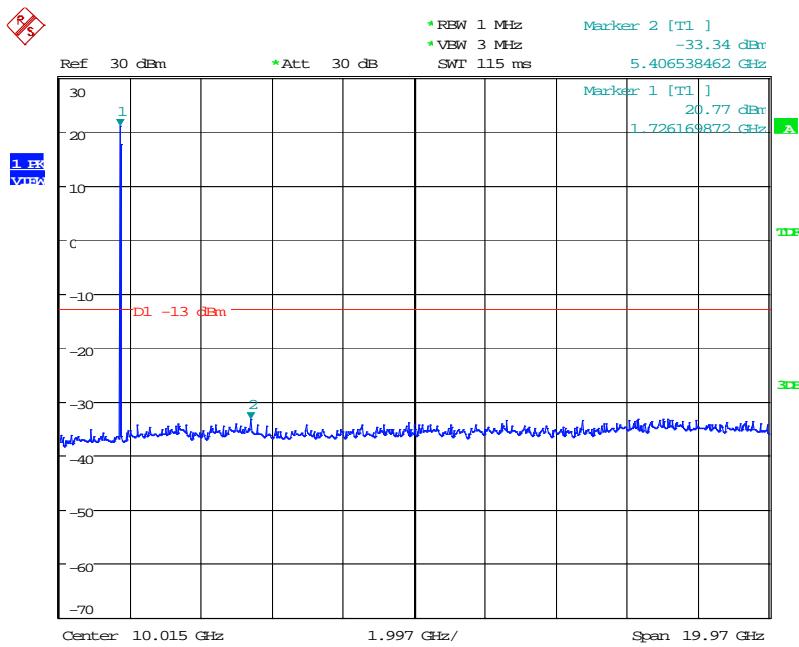
Date: 21.SEP.2016 16:16:13

BW5MHz-1732.5MHz,Q16-25RB_LOW@Pass
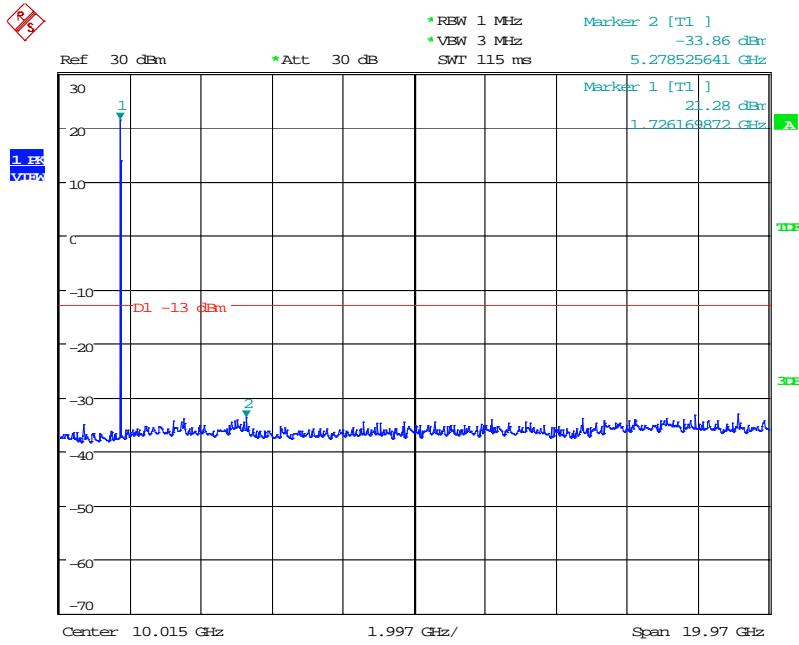
Date: 21.SEP.2016 16:17:00

BW5MHz-1752.5MHz,QPSK-25RB_LOW@Pass

Ref 30 dBm   *Att 30 dB   *RBW 1 MHz   Marker 2 [T1]
                            *VBW 3 MHz   -33.34 dBm
                             SWT 115 ms   5.406538462 GHz

Marker 1 [T1]
20.77 dBm
1.726169872 GHz

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
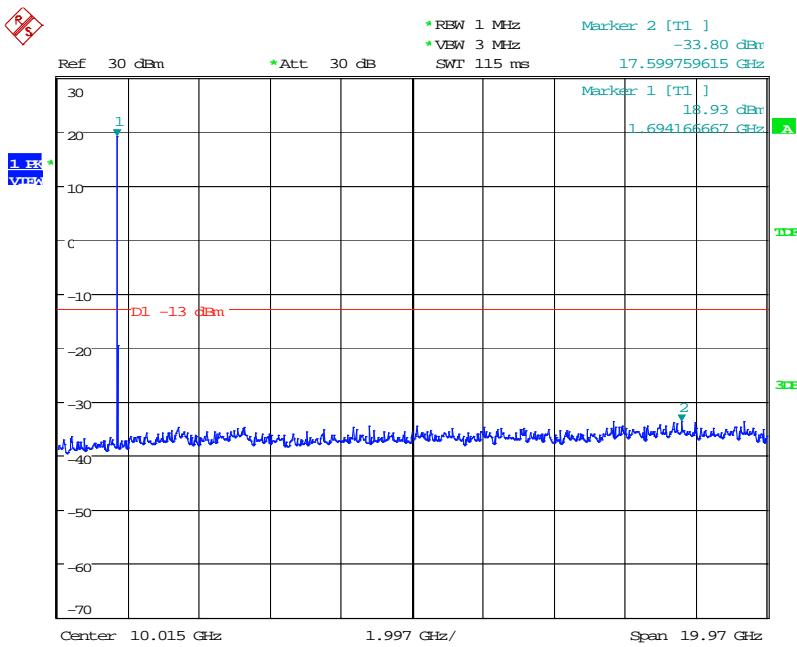
Date: 21.SEP.2016 16:17:57

BW5MHz-1752.5MHz,Q16-25RB_LOW@Pass

Ref 30 dBm   *Att 30 dB   *RBW 1 MHz   Marker 2 [T1]
                            *VBW 3 MHz   -33.86 dBm
                             SWT 115 ms   5.278525641 GHz

Marker 1 [T1]
21.28 dBm
1.726169872 GHz

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 16:19:03

Report No.: FCC16083918-5

BW10MHz-1715MHz,QPSK-50RB_LOW @Pass

```
                                           *RBW  1 MHz      Marker 2 [T1 ]
                                           *VBW  3 MHz                -33.80 dBm
          Ref   30 dBm         *Att  30 dB  SWT 115 ms       17.599759615 GHz
    30                                              Marker 1 [T1 ]
                                                            18.93 dBm
       1                                              1.694166667 GHz    A
    20
1 PK
VIEW
    10

    0                                                                    TDF

   -10  D1 -13 dBm

   -20
                                                                         3DB
   -30                                                        2

   -40

   -50

   -60

   -70
         Center  10.015 GHz        1.997 GHz/        Span  19.97 GHz
```

Date: 21.SEP.2016 16:20:11

BW10MHz-1715MHz,Q16-50RB_LOW @Pass

```
                                           *RBW  1 MHz      Marker 2 [T1 ]
                                           *VBW  3 MHz                -32.60 dBm
          Ref   30 dBm         *Att  30 dB  SWT 115 ms       18.143814103 GHz
    30                                              Marker 1 [T1 ]
                                                            18.78 dBm
       1                                              1.694166667 GHz    A
    20
1 PK
VIEW
    10

    0                                                                    TDF

   -10  D1 -13 dBm

   -20
                                                                         3DB
   -30                                                        2

   -40

   -50

   -60

   -70
         Center  10.015 GHz        1.997 GHz/        Span  19.97 GHz
```

Date: 21.SEP.2016 16:21:05

Report No.: FCC16083918-5

BW10MHz-1732.5MHz,QPSK-50RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	-33.16 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	16.255625000 GHz

Marker 1 [T1]
19.75 dBm
1.726169872 GHz

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 16:21:53

BW10MHz-1732.5MHz,Q16-50RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	-32.60 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	18.911891026 GHz

Marker 1 [T1]
18.78 dBm
1.726169872 GHz

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
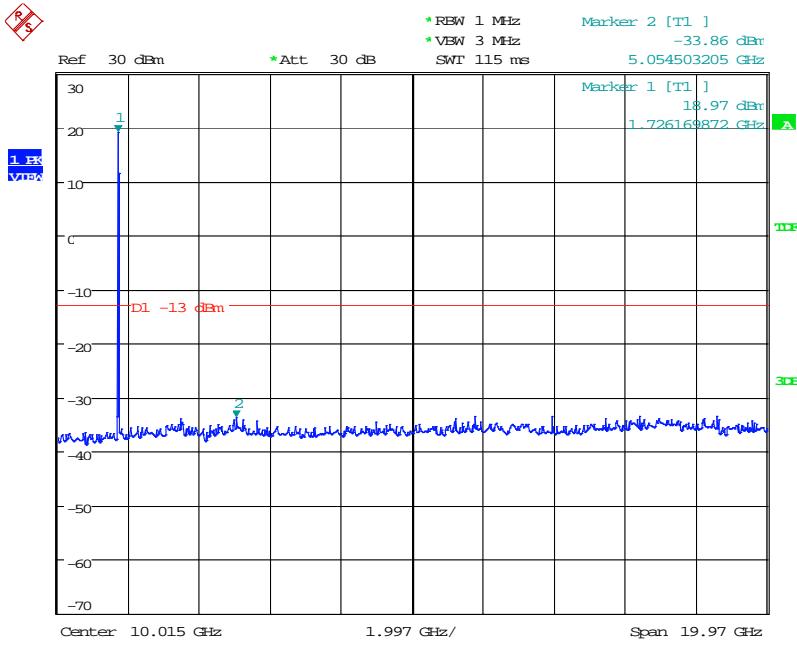
Date: 21.SEP.2016 16:22:39

Report No.: FCC16083918-5

BW10MHz-1750MHz,QPSK-50RB_LOW@Pass

Date: 21.SEP.2016 16:23:19

BW10MHz-1750MHz,Q16-50RB_LOW@Pass
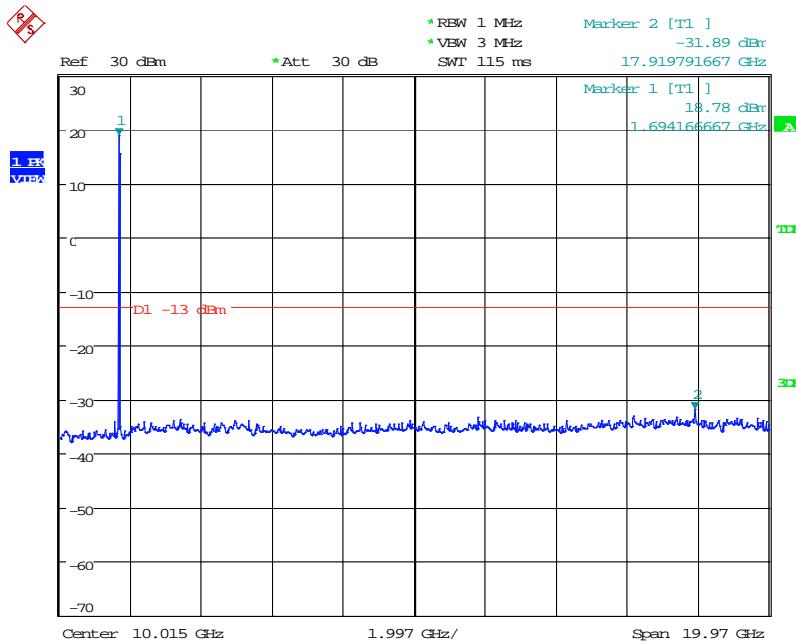
Date: 21.SEP.2016 16:24:11

Report No.: FCC16083918-5

BW15MHz-1717.5MHz,QPSK-75RB_LOW@Pass
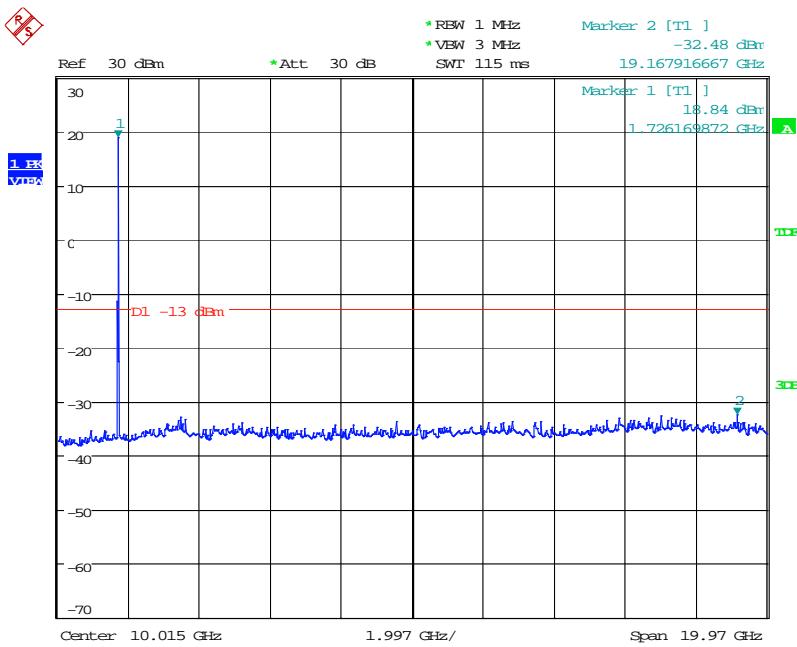
Date: 21.SEP.2016 16:30:20

BW15MHz-1717.5MHz,Q16-75RB_LOW@Pass

Date: 21.SEP.2016 16:32:03

Report No.: FCC16083918-5

BW15MHz-1732.5MHz,QPSK-75RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	-32.48 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	19.167916667 GHz

Marker 1 [T1]
18.84 dBm
1.726169872 GHz

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
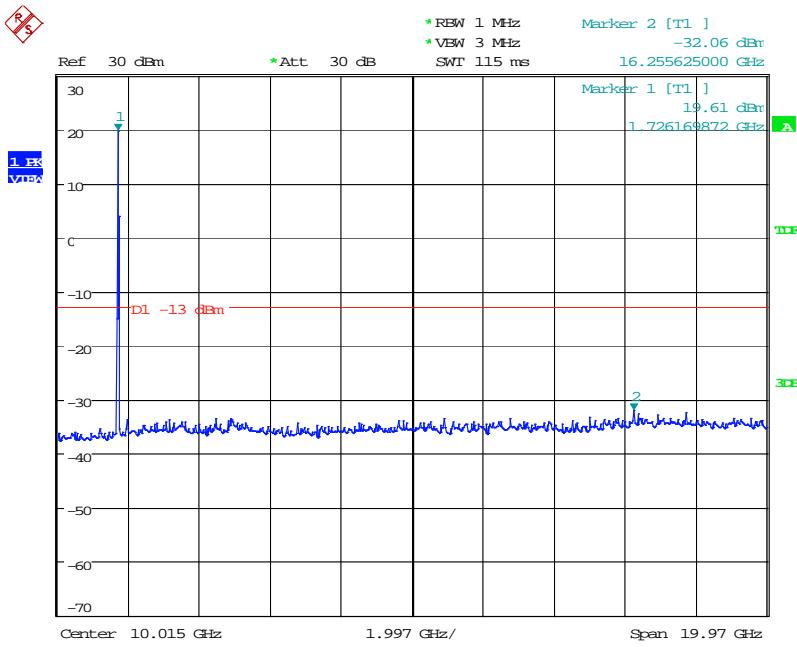
Date: 21.SEP.2016 16:33:11

BW15MHz-1732.5MHz,Q16-75RB_LOW@Pass

	*RBW 1 MHz	Marker 2 [T1]
	*VBW 3 MHz	-33.15 dBm
Ref 30 dBm	*Att 30 dB SWT 115 ms	17.887788462 GHz

Marker 1 [T1]
18.88 dBm
1.726169872 GHz

D1 -13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 16:34:13

Report No.: FCC16083918-5

BW15MHz-1747.5MHz,QPSK-75RB_LOW@Pass

*RBW 1 MHz	Marker 2 [T1]
*VBW 3 MHz	−32.06 dBm
Ref 30 dBm *Att 30 dB SWT 115 ms	16.255625000 GHz

Marker 1 [T1]
19.61 dBm
1.726169872 GHz

D1 −13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz

Date: 21.SEP.2016 16:35:12

BW15MHz-1747.5MHz,Q16-75RB_LOW@Pass

*RBW 1 MHz	Marker 2 [T1]
*VBW 3 MHz	−32.81 dBm
Ref 30 dBm *Att 30 dB SWT 115 ms	3.550352564 GHz

Marker 1 [T1]
18.66 dBm
1.726169872 GHz

D1 −13 dBm

Center 10.015 GHz   1.997 GHz/   Span 19.97 GHz
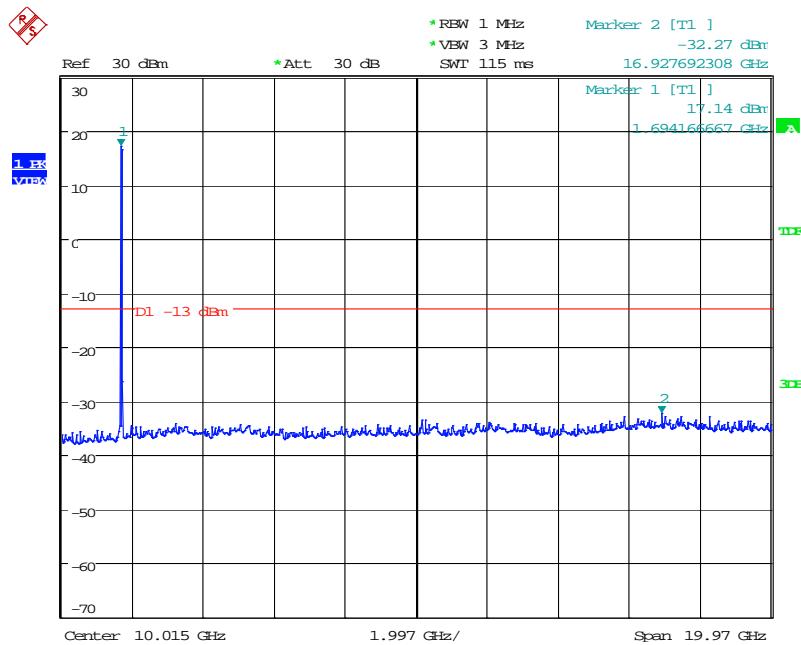
Date: 21.SEP.2016 16:36:04

Report No.: FCC16083918-5

BW20MHz-1720MHz,QPSK-100RB_LOW@Pass

Date: 21.SEP.2016 16:40:21

BW20MHz-1720MHz,Q16-100RB_LOW@Pass
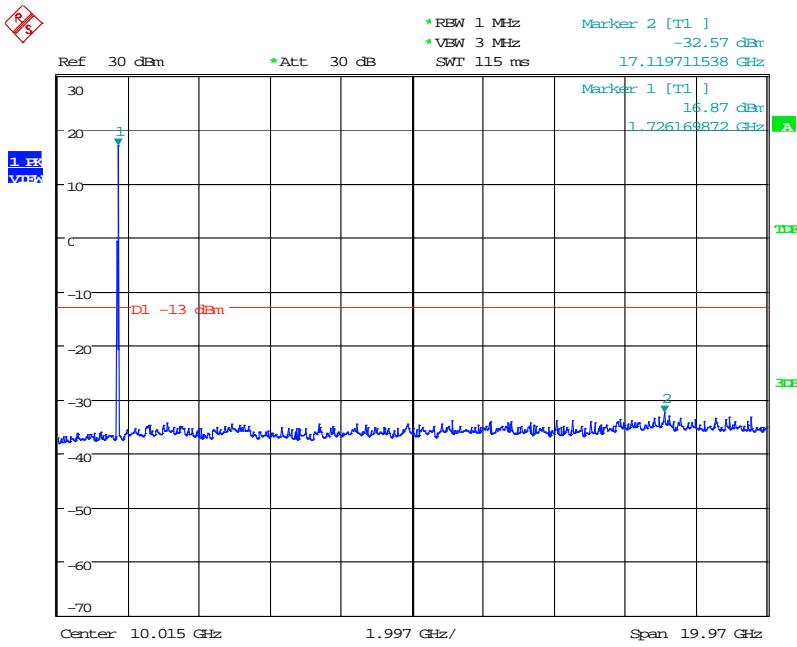
Date: 21.SEP.2016 16:41:13

Report No.: FCC16083918-5

BW20MHz-1732.5MHz,QPSK-100RB_LOW@Pass
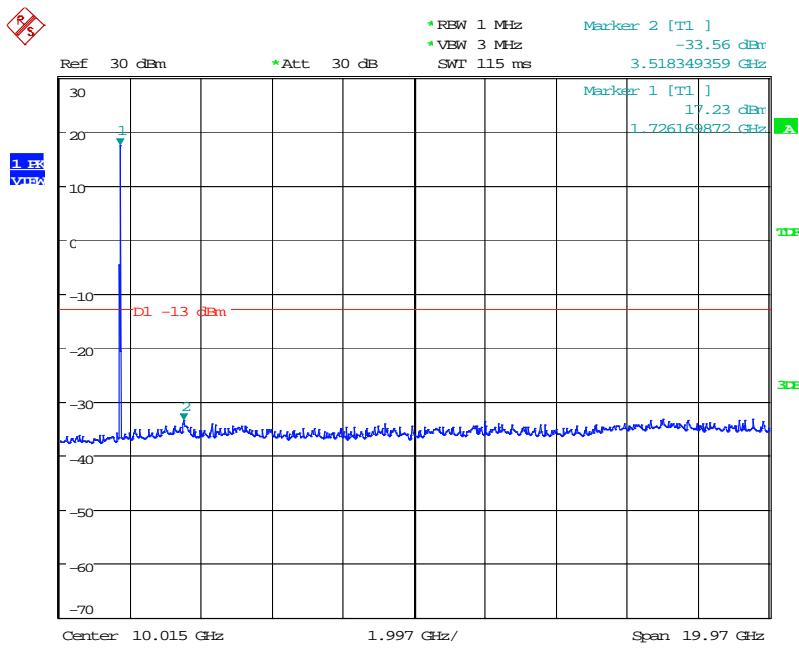
Date: 21.SEP.2016 16:41:58

BW20MHz-1732.5MHz,Q16-100RB_LOW@Pass
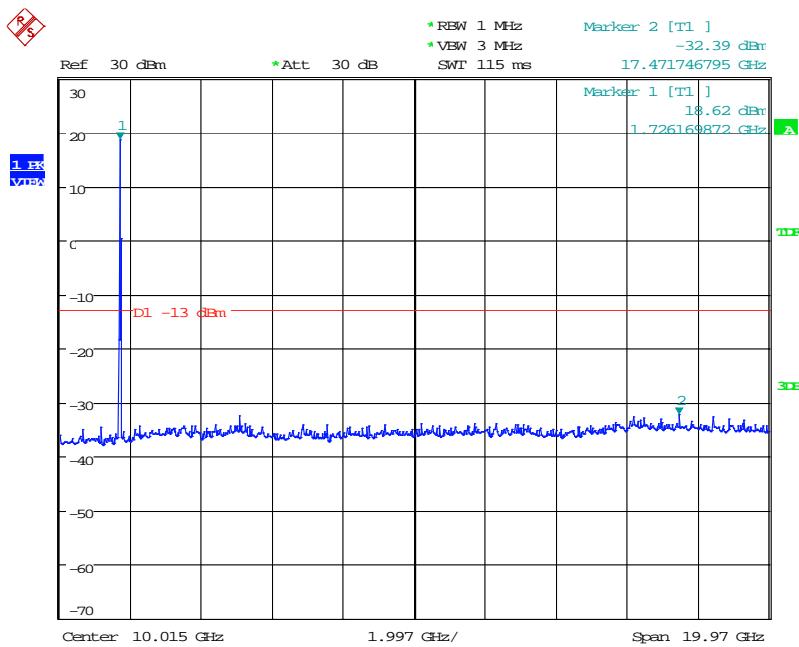
Date: 21.SEP.2016 16:43:32

Report No.: FCC16083918-5

BW20MHz-1745MHz,QPSK-100RB_LOW@Pass
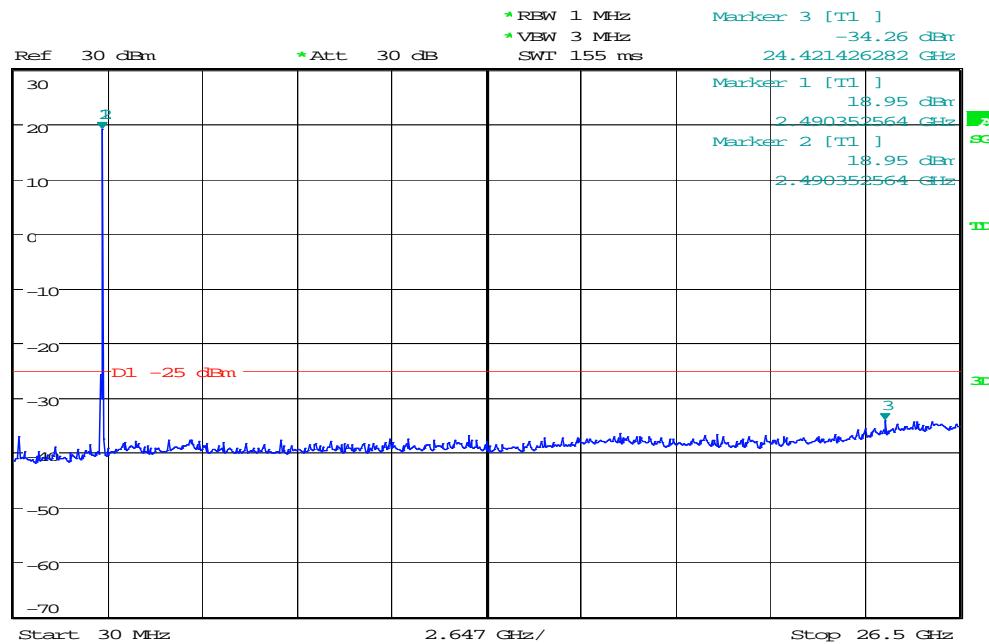
BW20MHz-1745MHz,Q16-100RB_LOW@Pass
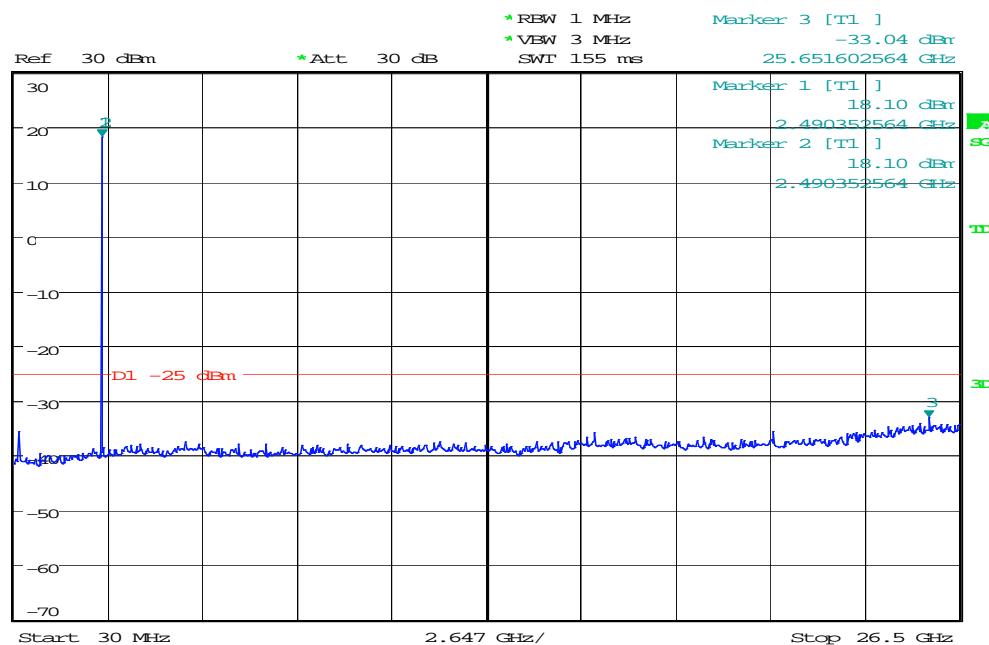
BAND 7@Conducted Spurious Emission

BW5MHz-2502.5MHz,QPSK-25RB_LOW@Pass

BW5MHz-2502.5MHz,Q16-25RB_LOW@Pass

BW5MHz-2567.5MHz,QPSK-25RB_LOW@Pass

BW5MHz-2567.5MHz,Q16-25RB_LOW@Pass

Report No.: FCC16083918-5

BW5MHz-2535MHz,QPSK-25RB_LOW @Pass

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

Ref 30 dBm   *Att 30 dB

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

1 RX
Max

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz

BW10MHz-2505MHz,QPSK-50RB_LOW @Pass

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

Ref 30 dBm   *Att 30 dB

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

1 RX
Max

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz

Report No.: FCC16083918-5

BW10MHz-2505MHz,Q16-50RB_LOW@Pass

Ref 30 dBm *Att 30 dB

* RBW 1 MHz
* VBW 3 MHz
SWT 155 ms

Marker 3 [T1]
-33.91 dBm
25.821282051 GHz

Marker 1 [T1]
16.65 dBm
2.490352564 GHz

Marker 2 [T1]
16.65 dBm
2.490352564 GHz

A
SGL
TDF
3DB

D1 -25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz

BW10MHz-2565MHz,QPSK-50RB_LOW@Pass

Ref 30 dBm *Att 30 dB

* RBW 1 MHz
* VBW 3 MHz
SWT 155 ms

Marker 3 [T1]
-33.68 dBm
25.100144231 GHz

Marker 1 [T1]
17.41 dBm
2.532772436 GHz

Marker 2 [T1]
17.41 dBm
2.532772436 GHz

A
SGL
TDF
3DB

D1 -25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz

Report No.: FCC16083918-5

BW10MHz-2565MHz,Q16-50RB_LOW @Pass

Ref 30 dBm   *Att 30 dB   SWT 155 ms

*RBW 1 MHz   Marker 3 [T1]
*VBW 3 MHz   −33.72 dBm
26.500000000 GHz

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

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz

BW10MHz-2535MHz,QPSK-50RB_LOW @Pass

Ref 30 dBm   *Att 30 dB   SWT 155 ms

*RBW 1 MHz   Marker 3 [T1]
*VBW 3 MHz   −33.39 dBm
25.100144231 GHz

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

D1 −25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz

Report No.: FCC16083918-5

BW10MHz-2535MHz,Q16-50RB_LOW@Pass

BW15MHz-2507.5MHz,QPSK-75RB_LOW@Pass

Report No.: FCC16083918-5

BW15MHz-2507.5MHz,Q16-75RB_LOW@Pass

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	-33.83 dBm
SWT 155 ms	26.075801282 GHz

Ref 30 dBm   *Att 30 dB

Marker 1 [T1]
15.94 dBm
2.490352564 GHz

Marker 2 [T1]
15.94 dBm
2.490352564 GHz

1 RM
Maxh

A
SGL

TDF

3DB

D1 -25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz

BW15MHz-2562.5MHz,QPSK-75RB_LOW@Pass

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	-33.61 dBm
SWT 155 ms	25.863701923 GHz

Ref 30 dBm   *Att 30 dB

Marker 1 [T1]
16.91 dBm
2.532772436 GHz

Marker 2 [T1]
16.91 dBm
2.532772436 GHz

1 RM
Maxh

A
SGL

TDF

3DB

D1 -25 dBm

Start 30 MHz   2.647 GHz/   Stop 26.5 GHz

Report No.: FCC16083918-5

BW15MHz-2562.5MHz,Q16-75RB_LOW@Pass

BW15MHz-2535MHz,QPSK-75RB_LOW@Pass

Report No.: FCC16083918-5

BW15MHz-2535MHz,Q16-75RB_LOW@Pass

	★RBW 1 MHz	Marker 3 [T1]	
	★VBW 3 MHz		-33.76 dBm
Ref 30 dBm	★Att 30 dB SWT 155 ms		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

BW20MHz-2510MHz,QPSK-100RB_LOW@Pass

	★RBW 1 MHz	Marker 3 [T1]	
	★VBW 3 MHz		-33.25 dBm
Ref 30 dBm	★Att 30 dB SWT 155 ms		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

Report No.: FCC16083918-5

BW20MHz-2510MHz,Q16-100RB_LOW@Pass

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	−34.29 dBm
Ref 30 dBm *Att 30 dB SWT 155 ms	25.821282051 GHz
	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

BW20MHz-2560MHz,QPSK-100RB_LOW@Pass

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	−33.97 dBm
Ref 30 dBm *Att 30 dB SWT 155 ms	25.990961538 GHz
	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

Report No.: FCC16083918-5

BW20MHz-2560MHz,Q16-100RB_LOW@Pass

BW20MHz-2535MHz,QPSK-100RB_LOW@Pass

Report No.: FCC16083918-5

BW20MHz-2535MHz,Q16-100RB_LOW@Pass

7.1.1 Radiated method

Note:

1, Below 30MHz no Spurious found.

2, UE is poistioned at 3 axis at the pre-scan stage, and only the measurement of the worst case(bandwidth:20MHz /Full RB /QPSK) is reported in this part.

List of final test modes:

GSM850:

Mode	UL Channel	Frequency	Judgement
1	128	824.2	Pass
2	190	836.6	Pass
3	251	848.8	Pass

PCS1900

Mode	UL Channel	Frequency	Judgement
1	512	1850.2	Pass
2	661	1880	Pass
3	810	1909.8	Pass

UTRA BANDS

BAND 2:

Mode	UL Channel	Frequency	Judgement
1	9263	1852.4	Pass
2	9400	1880	Pass
3	9537	1907.6	Pass

BAND 4:.

Mode	UL Channel	Frequency	Judgement
1	1313	1712.6	Pass
2	1450	1740	Pass
3	1512	1752.4	Pass

BAND 5:

Mode	UL Channel	Frequency	Judgement
1	4133	826.6	Pass
2	4175	835	Pass
3	4232	846.4	Pass

Report No.: FCC16O83918-5

E-UTRA BANDS

BAND 2:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	18700	1860	QPSK	100	LOW	Pass
2	20	18900	1880	QPSK	100	LOW	Pass
3	20	19100	1900	QPSK	100	LOW	Pass

BAND 4:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	20050	1720	Q16	100	LOW	Pass
2	20	20300	1745	Q16	100	LOW	Pass
3	20	20175	1732.5	Q16	100	LOW	Pass

BAND 7:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	20850	2510	QPSK	100	LOW	Pass
2	20	21350	2560	QPSK	100	LOW	Pass
3	20	21100	2535	QPSK	100	LOW	Pass

Test record:

GSM850:

Mode 1					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
1648.4	-56.22	10.71	-45.51	-13	Horizontal
1648.4	-51.53	10.71	-40.82	-13	Vertical
2472.6	-68.16	11.95	-56.21	-13	Horizontal
2472.6	-56.94	11.95	-44.99	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
1673.2	-53.77	10.83	-42.94	-13	Horizontal
1673.2	-58.89	10.83	-48.06	-13	Vertical
2509.8	-62.92	12.21	-50.71	-13	Horizontal
2509.8	-59.42	12.21	-47.21	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
1697.6	-61.48	10.95	-50.53	-13	Horizontal
1697.6	-64.75	10.95	-53.8	-13	Vertical
2546.4	-53.04	12.37	-40.67	-13	Horizontal
2546.4	-66.60	12.37	-54.23	-13	Vertical

PCS1900:

Mode 1					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3700.4	-50.49	9.28	-41.21	-13	Horizontal
3700.4	-54.60	9.28	-45.32	-13	Vertical
5550.6	-59.35	11.31	-48.03	-13	Horizontal
5550.6	-52.19	11.31	-40.87	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3760	-64.64	9.44	-55.2	-13	Horizontal
3760	-50.85	9.44	-41.41	-13	Vertical
5640	-54.26	11.48	-42.78	-13	Horizontal
5640	-63.03	11.48	-51.55	-13	Vertical

Report No.: FCC16083918-5

Mode 3					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3819.6	-64.63	9.71	-54.92	-13	Horizontal
3819.6	-64.99	9.71	-55.28	-13	Vertical
5729.4	-62.12	11.55	-50.57	-13	Horizontal
5729.4	-57.28	11.55	-45.73	-13	Vertical

UTRA BANDS

BAND 2:

Mode 1					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3704.8	-63.34	9.63	-53.71	-13	Horizontal
3704.8	-51.56	9.63	-41.93	-13	Vertical
5557.2	-56.28	12.71	-43.57	-13	Horizontal
5557.2	-63.91	12.71	-51.20	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3760	-58.50	9.13	-49.37	-13	Horizontal
3760	-61.66	9.13	-52.53	-13	Vertical
5640	-55.83	12.73	-43.1	-13	Horizontal
5640	-64.30	12.73	-51.57	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3815.2	-56.62	9.77	-46.85	-13	Horizontal
3815.2	-60.59	9.77	-50.82	-13	Vertical
5722.8	-65.71	12.24	-53.47	-13	Horizontal
5722.8	-67.34	12.24	-55.1	-13	Vertical

BAND 4:

Mode 1					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3424.8	-64.18	9.63	-54.55	-13	Horizontal
3424.8	-57.03	9.63	-47.40	-13	Vertical
5137.2	-67.75	12.71	-55.04	-13	Horizontal
5137.2	-52.95	12.71	-40.24	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3465.2	-57.92	9.72	-48.2	-13	Horizontal
3465.2	-58.71	9.72	-48.99	-13	Vertical
5197.8	-58.83	12.95	-45.88	-13	Horizontal
5197.8	-63.88	12.95	-50.93	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3505.2	-51.00	9.88	-41.12	-13	Horizontal
3505.2	-53.33	9.88	-43.45	-13	Vertical
5257.8	-59.18	13.22	-45.96	-13	Horizontal
5257.8	-53.22	13.22	-40	-13	Vertical

BAND 5:

Mode 1					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
1652.8	-55.68	10.71	-44.97	-13	Horizontal
1652.8	-60.83	10.71	-50.12	-13	Vertical
2479.2	-62.43	11.95	-50.48	-13	Horizontal
2479.2	-66.60	11.95	-54.65	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
1673.2	-65.24	10.78	-54.46	-13	Horizontal
1673.2	-52.63	10.78	-41.85	-13	Vertical
2509.8	-67.80	12.05	-55.75	-13	Horizontal
2509.8	-60.38	12.05	-48.33	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
1693.2	-60.06	10.13	-49.93	-13	Horizontal
1693.2	-61.17	10.13	-51.04	-13	Vertical
2539.8	-52.34	12.11	-40.23	-13	Horizontal
2539.8	-63.72	12.11	-51.61	-13	Vertical

E-UTRA BANDS

BAND 2:

Mode 1					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3720	-62.35	10.21	-52.14	-13	Horizontal
3720	-64.73	10.21	-54.52	-13	Vertical
5580	-62.97	13.26	-49.71	-13	Horizontal
5580	-64.09	13.26	-50.83	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3760	-64.19	10.23	-53.96	-13	Horizontal
3760	-62.72	10.23	-52.49	-13	Vertical
5640	-65.39	13.47	-51.92	-13	Horizontal
5640	-68.18	13.47	-54.71	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3800	-61.26	10.27	-50.99	-13	Horizontal
3800	-55.69	10.27	-45.42	-13	Vertical
5700	-61.22	13.5	-47.72	-13	Horizontal
5700	-65.64	13.5	-52.14	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3495	-64.19	10.23	-53.96	-13	Horizontal
3495	-62.72	10.23	-52.49	-13	Vertical
5640	-65.39	13.47	-51.92	-13	Horizontal
5640	-68.18	13.47	-54.71	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3800	-61.26	10.27	-50.99	-13	Horizontal
3800	-55.69	10.27	-45.42	-13	Vertical
5700	-61.22	13.5	-47.72	-13	Horizontal
5700	-65.64	13.5	-52.14	-13	Vertical

BAND 4:

Mode 1					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3440	-66.33	10.01	-56.32	-13	Horizontal
3440	-56.21	10.01	-46.20	-13	Vertical
5160	-61.11	14.6	-46.51	-13	Horizontal
5160	-57.03	14.6	-42.43	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3490	-55.03	10.01	-45.02	-13	Horizontal
3490	-57.22	10.01	-47.21	-13	Vertical
5235	-65.08	14.8	-50.28	-13	Horizontal
5235	-61.07	14.8	-46.27	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
3465	-60.20	10.01	-50.19	-13	Horizontal
3465	-60.89	10.01	-50.88	-13	Vertical
5197.5	-67.26	14.8	-52.46	-13	Horizontal
5197.5	-70.81	14.8	-56.01	-13	Vertical

BAND 7:

Mode 1					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
5020	-60.64	13.57	-47.07	-25	Horizontal
5020	-62.01	13.57	-48.44	-25	Vertical
7530	-58.36	18.25	-40.11	-25	Horizontal
7530	-64.35	18.25	-46.10	-25	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
5120	-67.46	13.57	-53.89	-25	Horizontal
5120	-59.71	13.57	-46.14	-25	Vertical
7680	-71.26	18.25	-53.01	-25	Horizontal
7680	-60.01	18.25	-41.76	-25	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A_{Rpl} (dBm)	P_{Mea}(dBm)	Limit（dBm）	Polarity
5070	-58.87	13.57	-45.30	-25	Horizontal
5070	-63.45	13.57	-49.88	-25	Vertical
7605	-62.81	18.25	-44.56	-25	Horizontal
7605	-71.57	18.25	-53.32	-25	Vertical

FREQUENCY STABILITY

7.2 Measurement Result（Worst）

Frequency Error against Voltage for GSM 850 band (Mid channel)

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	37	0.044
3.5	29	0.034
4.4	30	0.036

Frequency Error against Temperature for GSM 850 band (Mid channel)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	34	0.040
0	35	0.042
10	28	0.034
20	41	0.049
30	30	0.035
40	33	0.039
50	38	0.045

Frequency Error against Voltage for PCS 1900 band (Mid channel)

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	28	0.015
3.5	29	0.016
4.4	30	0.016

Frequency Error against Temperature for PCS 1900 band (Mid channel)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	30	0.016
0	35	0.018
10	29	0.016
20	29	0.015
30	36	0.019
40	32	0.017
50	41	0.022

Frequency Error against Voltage for GPRS 850 band (Mid channel)

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	33	0.039
3.5	32	0.039
4.4	36	0.043

Frequency Error against Temperature for GPRS 850 band (Mid channel)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	32	0.039
0	32	0.039
10	41	0.049
20	38	0.045
30	29	0.035
40	29	0.035
50	36	0.043

Frequency Error against Voltage for GPRS 1900 band (Mid channel)

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	29	0.015
3.5	35	0.019
4.4	36	0.019

Frequency Error against Temperature for GPRS 1900 band (Mid channel)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	33	0.018
0	37	0.020
10	36	0.019
20	38	0.020
30	40	0.022
40	34	0.018
50	34	0.018

Frequency Error against Voltage for EGPRS 850 band (Mid channel)

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	36	0.043
3.5	41	0.049
4.4	30	0.035

Frequency Error against Temperature for EGPRS 850 band (Mid channel)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	36	0.043
0	40	0.047
10	37	0.044
20	30	0.035
30	37	0.044
40	28	0.034
50	29	0.035

Frequency Error against Voltage for EGPRS 1900 band (Mid channel)

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	35	0.018
3.5	31	0.017
4.4	35	0.019

Frequency Error against Temperature for EGPRS 1900 band (Mid channel)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	35	0.018
0	37	0.020
10	32	0.017
20	40	0.021
30	34	0.018
40	30	0.016
50	33	0.018

UTRA BANDS

Frequency Error against Voltage for WCDMA BAND 2 (Mid channel)

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	34	0.018
3.5	30	0.016
4.4	36	0.019

Frequency Error against Temperature for WCDMA BAND 2 (Mid channel)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	31	0.017
0	41	0.022
10	32	0.017
20	35	0.018
30	29	0.016
40	36	0.019
50	38	0.020

Frequency Error against Voltage for WCDMA BAND 4 (Mid channel)

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	38	0.022
3.5	29	0.017
4.4	33	0.019

Frequency Error against Temperature for WCDMA BAND 4 (Mid channel)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	39	0.022
0	41	0.023
10	30	0.017
20	30	0.017
30	31	0.018
40	40	0.023
50	35	0.020

Frequency Error against Voltage for WCDMA BAND 5 (Mid channel)

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	37	0.044
3.5	35	0.042
4.4	33	0.039

Frequency Error against Temperature for WCDMA BAND 5 (Mid channel)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	39	0.047
0	34	0.041
10	34	0.041
20	34	0.041
30	38	0.045
40	33	0.039
50	34	0.041

E-UTRA

BAND 2:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
1.4	18607	1850.7	QPSK	1	LOW	-10.11	-0.0055
1.4	18607	1850.7	QPSK	1	MID	5.78	0.0031
1.4	18607	1850.7	QPSK	1	HIGH	5.29	0.0029
1.4	18607	1850.7	QPSK	3	LOW	2.9	0.0016
1.4	18607	1850.7	QPSK	3	MID	2.6	0.0014
1.4	18607	1850.7	QPSK	3	HIGH	4.18	0.0023
1.4	18607	1850.7	QPSK	6	LOW	-4.05	-0.0022
1.4	18607	1850.7	Q16	1	LOW	-4.59	-0.0025
1.4	18607	1850.7	Q16	1	MID	2.59	0.0014
1.4	18607	1850.7	Q16	1	HIGH	-4.85	-0.0026
1.4	18607	1850.7	Q16	3	LOW	-4.09	-0.0022
1.4	18607	1850.7	Q16	3	MID	-3.1	-0.0017
1.4	18607	1850.7	Q16	3	HIGH	3.36	0.0018
1.4	18607	1850.7	Q16	6	LOW	4.08	0.0022
1.4	18900	1880	QPSK	1	LOW	5.36	0.0029
1.4	18900	1880	QPSK	1	MID	-8.5	-0.0045
1.4	18900	1880	QPSK	1	HIGH	-9.83	-0.0052
1.4	18900	1880	QPSK	3	LOW	-3.05	-0.0016
1.4	18900	1880	QPSK	3	MID	5.31	0.0028
1.4	18900	1880	QPSK	3	HIGH	7.8	0.0041
1.4	18900	1880	QPSK	6	LOW	7.25	0.0039
1.4	18900	1880	Q16	1	LOW	2.83	0.0015
1.4	18900	1880	Q16	1	MID	3.12	0.0017
1.4	18900	1880	Q16	1	HIGH	-4.98	-0.0026
1.4	18900	1880	Q16	3	LOW	3.39	0.0018
1.4	18900	1880	Q16	3	MID	-3.33	-0.0018
1.4	18900	1880	Q16	3	HIGH	4.06	0.0022
1.4	18900	1880	Q16	6	LOW	4.46	0.0024
1.4	19193	1909.3	QPSK	1	LOW	7.42	0.0039
1.4	19193	1909.3	QPSK	1	MID	7.4	0.0039
1.4	19193	1909.3	QPSK	1	HIGH	5.69	0.003
1.4	19193	1909.3	QPSK	3	LOW	4.81	0.0025
1.4	19193	1909.3	QPSK	3	MID	-4.86	-0.0025
1.4	19193	1909.3	QPSK	3	HIGH	-5.59	-0.0029

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
1.4	19193	1909.3	QPSK	6	LOW	4.55	0.0024
1.4	19193	1909.3	Q16	1	LOW	-4.55	-0.0024
1.4	19193	1909.3	Q16	1	MID	-5.79	-0.003
1.4	19193	1909.3	Q16	1	HIGH	-5.85	-0.0031
1.4	19193	1909.3	Q16	3	LOW	-5.99	-0.0031
1.4	19193	1909.3	Q16	3	MID	4.22	0.0022
1.4	19193	1909.3	Q16	3	HIGH	-4.62	-0.0024
1.4	19193	1909.3	Q16	6	LOW	3.86	0.002
3	18615	1851.5	QPSK	1	LOW	13.75	0.0074
3	18615	1851.5	QPSK	1	MID	11.47	0.0062
3	18615	1851.5	QPSK	1	HIGH	10.49	0.0057
3	18615	1851.5	QPSK	8	LOW	5.18	0.0028
3	18615	1851.5	QPSK	8	MID	5.36	0.0029
3	18615	1851.5	QPSK	8	HIGH	5.78	0.0031
3	18615	1851.5	QPSK	15	LOW	-2.62	-0.0014
3	18615	1851.5	Q16	1	LOW	-5.01	-0.0027
3	18615	1851.5	Q16	1	MID	-5.46	-0.0029
3	18615	1851.5	Q16	1	HIGH	-6.19	-0.0033
3	18615	1851.5	Q16	8	LOW	-4.96	-0.0027
3	18615	1851.5	Q16	8	MID	-6.09	-0.0033
3	18615	1851.5	Q16	8	HIGH	-6.38	-0.0034
3	18615	1851.5	Q16	15	LOW	-2.73	-0.0015
3	18900	1880	QPSK	1	LOW	6.87	0.0037
3	18900	1880	QPSK	1	MID	-4.05	-0.0022
3	18900	1880	QPSK	1	HIGH	-7.12	-0.0038
3	18900	1880	QPSK	8	LOW	5.84	0.0031
3	18900	1880	QPSK	8	MID	7.4	0.0039
3	18900	1880	QPSK	8	HIGH	3.82	0.002
3	18900	1880	QPSK	15	LOW	5.94	0.0032
3	18900	1880	Q16	1	LOW	-6.45	-0.0034
3	18900	1880	Q16	1	MID	-3.5	-0.0019
3	18900	1880	Q16	1	HIGH	-3.68	-0.002
3	18900	1880	Q16	8	LOW	-4.25	-0.0023
3	18900	1880	Q16	8	MID	-6.68	-0.0036
3	18900	1880	Q16	8	HIGH	-6.35	-0.0034
3	18900	1880	Q16	15	LOW	3.45	0.0018

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
3	19185	1908.5	QPSK	1	LOW	-7.17	-0.0038
3	19185	1908.5	QPSK	1	MID	-6.11	-0.0032
3	19185	1908.5	QPSK	1	HIGH	4.02	0.0021
3	19185	1908.5	QPSK	8	LOW	-3.65	-0.0019
3	19185	1908.5	QPSK	8	MID	-5.68	-0.003
3	19185	1908.5	QPSK	8	HIGH	-6.15	-0.0032
3	19185	1908.5	QPSK	15	LOW	-5.95	-0.0031
3	19185	1908.5	Q16	1	LOW	-4.25	-0.0022
3	19185	1908.5	Q16	1	MID	-7.6	-0.004
3	19185	1908.5	Q16	1	HIGH	-6.07	-0.0032
3	19185	1908.5	Q16	8	LOW	-8.44	-0.0044
3	19185	1908.5	Q16	8	MID	-6.18	-0.0032
3	19185	1908.5	Q16	8	HIGH	-8.17	-0.0043
3	19185	1908.5	Q16	15	LOW	-7.1	-0.0037
5	18625	1852.5	QPSK	1	LOW	11.3	0.0061
5	18625	1852.5	QPSK	1	MID	7.28	0.0039
5	18625	1852.5	QPSK	1	HIGH	4.45	0.0024
5	18625	1852.5	QPSK	12	LOW	5.48	0.003
5	18625	1852.5	QPSK	12	MID	4.21	0.0023
5	18625	1852.5	QPSK	12	HIGH	3.42	0.0018
5	18625	1852.5	QPSK	25	LOW	3.99	0.0022
5	18625	1852.5	Q16	1	LOW	-4.53	-0.0024
5	18625	1852.5	Q16	1	MID	-4.11	-0.0022
5	18625	1852.5	Q16	1	HIGH	4.45	0.0024
5	18625	1852.5	Q16	12	LOW	3.65	0.002
5	18625	1852.5	Q16	12	MID	3.63	0.002
5	18625	1852.5	Q16	12	HIGH	-4.23	-0.0023
5	18625	1852.5	Q16	25	LOW	-4.02	-0.0022
5	18900	1880	QPSK	1	LOW	-4.71	-0.0025
5	18900	1880	QPSK	1	MID	-5.61	-0.003
5	18900	1880	QPSK	1	HIGH	-2.23	-0.0012
5	18900	1880	QPSK	12	LOW	2.52	0.0013
5	18900	1880	QPSK	12	MID	4.55	0.0024
5	18900	1880	QPSK	12	HIGH	4.63	0.0025
5	18900	1880	QPSK	25	LOW	3.38	0.0018
5	18900	1880	Q16	1	LOW	4.72	0.0025

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
5	18900	1880	Q16	1	MID	-4.28	-0.0023
5	18900	1880	Q16	1	HIGH	-7.75	-0.0041
5	18900	1880	Q16	12	LOW	4.68	0.0025
5	18900	1880	Q16	12	MID	-7.18	-0.0038
5	18900	1880	Q16	12	HIGH	5.65	0.003
5	18900	1880	Q16	25	LOW	-5.85	-0.0031
5	19175	1907.5	QPSK	1	LOW	-5.32	-0.0028
5	19175	1907.5	QPSK	1	MID	6.94	0.0036
5	19175	1907.5	QPSK	1	HIGH	4.35	0.0023
5	19175	1907.5	QPSK	12	LOW	4.86	0.0025
5	19175	1907.5	QPSK	12	MID	7.75	0.0041
5	19175	1907.5	QPSK	12	HIGH	-3.68	-0.0019
5	19175	1907.5	QPSK	25	LOW	5.15	0.0027
5	19175	1907.5	Q16	1	LOW	-3.12	-0.0016
5	19175	1907.5	Q16	1	MID	3.55	0.0019
5	19175	1907.5	Q16	1	HIGH	4.75	0.0025
5	19175	1907.5	Q16	12	LOW	6.18	0.0032
5	19175	1907.5	Q16	12	MID	-4.23	-0.0022
5	19175	1907.5	Q16	12	HIGH	7.05	0.0037
5	19175	1907.5	Q16	25	LOW	6.04	0.0032
10	18650	1855	QPSK	1	LOW	4.31	0.0023
10	18650	1855	QPSK	1	MID	2.36	0.0013
10	18650	1855	QPSK	1	HIGH	-5.02	-0.0027
10	18650	1855	QPSK	25	LOW	-4.59	-0.0025
10	18650	1855	QPSK	25	MID	-7.65	-0.0041
10	18650	1855	QPSK	25	HIGH	3.36	0.0018
10	18650	1855	QPSK	50	LOW	-4.79	-0.0026
10	18650	1855	Q16	1	LOW	-8.58	-0.0046
10	18650	1855	Q16	1	MID	-10.5	-0.0057
10	18650	1855	Q16	1	HIGH	-8.78	-0.0047
10	18650	1855	Q16	25	LOW	-5.45	-0.0029
10	18650	1855	Q16	25	MID	-5.92	-0.0032
10	18650	1855	Q16	25	HIGH	-5.58	-0.003
10	18650	1855	Q16	50	LOW	-7.31	-0.0039
10	18900	1880	QPSK	1	LOW	-5.75	-0.0031
10	18900	1880	QPSK	1	MID	-2.92	-0.0016

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error	Frequency Error
				Size	Offset	(Hz)	(ppm)
10	18900	1880	QPSK	1	HIGH	7.15	0.0038
10	18900	1880	QPSK	25	LOW	2.56	0.0014
10	18900	1880	QPSK	25	MID	-3.18	-0.0017
10	18900	1880	QPSK	25	HIGH	-5.64	-0.003
10	18900	1880	QPSK	50	LOW	-3.86	-0.0021
10	18900	1880	Q16	1	LOW	-5.87	-0.0031
10	18900	1880	Q16	1	MID	-4.02	-0.0021
10	18900	1880	Q16	1	HIGH	-3.03	-0.0016
10	18900	1880	Q16	25	LOW	-6.77	-0.0036
10	18900	1880	Q16	25	MID	-6.74	-0.0036
10	18900	1880	Q16	25	HIGH	-6.12	-0.0033
10	18900	1880	Q16	50	LOW	-4.56	-0.0024
10	19150	1905	QPSK	1	LOW	-6.05	-0.0032
10	19150	1905	QPSK	1	MID	-3.28	-0.0017
10	19150	1905	QPSK	1	HIGH	-4.18	-0.0022
10	19150	1905	QPSK	25	LOW	-5.55	-0.0029
10	19150	1905	QPSK	25	MID	-3.6	-0.0019
10	19150	1905	QPSK	25	HIGH	-7.7	-0.004
10	19150	1905	QPSK	50	LOW	-4.92	-0.0026
10	19150	1905	Q16	1	LOW	-5.95	-0.0031
10	19150	1905	Q16	1	MID	-6.24	-0.0033
10	19150	1905	Q16	1	HIGH	-7.55	-0.004
10	19150	1905	Q16	25	LOW	-4.41	-0.0023
10	19150	1905	Q16	25	MID	-4.02	-0.0021
10	19150	1905	Q16	25	HIGH	-5.16	-0.0027
10	19150	1905	Q16	50	LOW	-4.42	-0.0023
15	18675	1857.5	QPSK	1	LOW	8.05	0.0043
15	18675	1857.5	QPSK	1	MID	6.75	0.0036
15	18675	1857.5	QPSK	1	HIGH	5.81	0.0031
15	18675	1857.5	QPSK	36	LOW	3.59	0.0019
15	18675	1857.5	QPSK	36	MID	-2.92	-0.0016
15	18675	1857.5	QPSK	36	HIGH	5.71	0.0031
15	18675	1857.5	QPSK	75	LOW	-4.51	-0.0024
15	18675	1857.5	Q16	1	LOW	5.87	0.0032
15	18675	1857.5	Q16	1	MID	-4.76	-0.0026
15	18675	1857.5	Q16	1	HIGH	5.09	0.0027

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
15	18675	1857.5	Q16	36	LOW	3.33	0.0018
15	18675	1857.5	Q16	36	MID	4.59	0.0025
15	18675	1857.5	Q16	36	HIGH	4.51	0.0024
15	18675	1857.5	Q16	75	LOW	4.91	0.0026
15	18900	1880	QPSK	1	LOW	-3.96	-0.0021
15	18900	1880	QPSK	1	MID	3	0.0016
15	18900	1880	QPSK	1	HIGH	-3.42	-0.0018
15	18900	1880	QPSK	36	LOW	-4.11	-0.0022
15	18900	1880	QPSK	36	MID	-5.29	-0.0028
15	18900	1880	QPSK	36	HIGH	-3.85	-0.002
15	18900	1880	QPSK	75	LOW	-3.4	-0.0018
15	18900	1880	Q16	1	LOW	-7.07	-0.0038
15	18900	1880	Q16	1	MID	-5.65	-0.003
15	18900	1880	Q16	1	HIGH	-5.26	-0.0028
15	18900	1880	Q16	36	LOW	-5.04	-0.0027
15	18900	1880	Q16	36	MID	-5.09	-0.0027
15	18900	1880	Q16	36	HIGH	-5.55	-0.003
15	18900	1880	Q16	75	LOW	-5.08	-0.0027
15	19125	1902.5	QPSK	1	LOW	7.55	0.004
15	19125	1902.5	QPSK	1	MID	13.95	0.0073
15	19125	1902.5	QPSK	1	HIGH	12.06	0.0063
15	19125	1902.5	QPSK	36	LOW	14.71	0.0077
15	19125	1902.5	QPSK	36	MID	4.82	0.0025
15	19125	1902.5	QPSK	36	HIGH	3.49	0.0018
15	19125	1902.5	QPSK	75	LOW	4.96	0.0026
15	19125	1902.5	Q16	1	LOW	4.81	0.0025
15	19125	1902.5	Q16	1	MID	3.73	0.002
15	19125	1902.5	Q16	1	HIGH	4.89	0.0026
15	19125	1902.5	Q16	36	LOW	4.51	0.0024
15	19125	1902.5	Q16	36	MID	5.42	0.0028
15	19125	1902.5	Q16	36	HIGH	-5.31	-0.0028
15	19125	1902.5	Q16	75	LOW	4.28	0.0022
20	18700	1860	QPSK	1	LOW	7.98	0.0043
20	18700	1860	QPSK	1	MID	5.91	0.0032
20	18700	1860	QPSK	1	HIGH	7.72	0.0042
20	18700	1860	QPSK	50	LOW	4.78	0.0026

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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
20	18700	1860	QPSK	50	MID	3.78	0.002
20	18700	1860	QPSK	50	HIGH	4.05	0.0022
20	18700	1860	QPSK	100	LOW	-5.19	-0.0028
20	18700	1860	Q16	1	LOW	3.71	0.002
20	18700	1860	Q16	1	MID	-4.15	-0.0022
20	18700	1860	Q16	1	HIGH	6.92	0.0037
20	18700	1860	Q16	50	LOW	4.23	0.0023
20	18700	1860	Q16	50	MID	-2.46	-0.0013
20	18700	1860	Q16	50	HIGH	-5.26	-0.0028
20	18700	1860	Q16	100	LOW	-3.98	-0.0021
20	18900	1880	QPSK	1	LOW	-5.35	-0.0028
20	18900	1880	QPSK	1	MID	-3.96	-0.0021
20	18900	1880	QPSK	1	HIGH	3.72	0.002
20	18900	1880	QPSK	50	LOW	3.82	0.002
20	18900	1880	QPSK	50	MID	6.92	0.0037
20	18900	1880	QPSK	50	HIGH	-5.34	-0.0028
20	18900	1880	QPSK	100	LOW	-4.85	-0.0026
20	18900	1880	Q16	1	LOW	-4.68	-0.0025
20	18900	1880	Q16	1	MID	5.42	0.0029
20	18900	1880	Q16	1	HIGH	6.05	0.0032
20	18900	1880	Q16	50	LOW	-3.36	-0.0018
20	18900	1880	Q16	50	MID	-4.18	-0.0022
20	18900	1880	Q16	50	HIGH	-3.75	-0.002
20	18900	1880	Q16	100	LOW	4.28	0.0023
20	19100	1900	QPSK	1	LOW	7.47	0.0039
20	19100	1900	QPSK	1	MID	5.05	0.0027
20	19100	1900	QPSK	1	HIGH	3.68	0.0019
20	19100	1900	QPSK	50	LOW	10.73	0.0056
20	19100	1900	QPSK	50	MID	2.95	0.0016
20	19100	1900	QPSK	50	HIGH	4.05	0.0021
20	19100	1900	QPSK	100	LOW	-5.29	-0.0028
20	19100	1900	Q16	1	LOW	-8.48	-0.0045
20	19100	1900	Q16	1	MID	-7.2	-0.0038
20	19100	1900	Q16	1	HIGH	-8.47	-0.0045
20	19100	1900	Q16	50	LOW	-4.84	-0.0025
20	19100	1900	Q16	50	MID	-4.09	-0.0022

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error	Frequency Error
				Size	Offset	(Hz)	(ppm)
20	19100	1900	Q16	50	HIGH	-5.28	-0.0028
20	19100	1900	Q16	100	LOW	-6.71	-0.0035

BAND 4:

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error	Frequency Error
				Size	Offset	(Hz)	(ppm)
1.4	19957	1710.7	QPSK	1	LOW	-9.91	-0.0058
1.4	19957	1710.7	QPSK	1	MID	5.35	0.0031
1.4	19957	1710.7	QPSK	1	HIGH	2.63	0.0015
1.4	19957	1710.7	QPSK	3	LOW	3.2	0.0019
1.4	19957	1710.7	QPSK	3	MID	-3.06	-0.0018
1.4	19957	1710.7	QPSK	3	HIGH	5.61	0.0033
1.4	19957	1710.7	QPSK	6	LOW	6.44	0.0038
1.4	19957	1710.7	Q16	1	LOW	6.04	0.0035
1.4	19957	1710.7	Q16	1	MID	4.63	0.0027
1.4	19957	1710.7	Q16	1	HIGH	8.41	0.0049
1.4	19957	1710.7	Q16	3	LOW	-5.72	-0.0033
1.4	19957	1710.7	Q16	3	MID	6.74	0.0039
1.4	19957	1710.7	Q16	3	HIGH	4.49	0.0026
1.4	19957	1710.7	Q16	6	LOW	7.47	0.0044
1.4	20393	1754.3	QPSK	1	LOW	3.69	0.0021
1.4	20393	1754.3	QPSK	1	MID	4.15	0.0024
1.4	20393	1754.3	QPSK	1	HIGH	-3.68	-0.0021
1.4	20393	1754.3	QPSK	3	LOW	-2.93	-0.0017
1.4	20393	1754.3	QPSK	3	MID	-4.46	-0.0025
1.4	20393	1754.3	QPSK	3	HIGH	-3.99	-0.0023
1.4	20393	1754.3	QPSK	6	LOW	3.91	0.0022
1.4	20393	1754.3	Q16	1	LOW	-4.55	-0.0026
1.4	20393	1754.3	Q16	1	MID	-6.24	-0.0036
1.4	20393	1754.3	Q16	1	HIGH	-5.02	-0.0029
1.4	20393	1754.3	Q16	3	LOW	-5.06	-0.0029
1.4	20393	1754.3	Q16	3	MID	-2.62	-0.0015
1.4	20393	1754.3	Q16	3	HIGH	3.26	0.0019
1.4	20393	1754.3	Q16	6	LOW	5.06	0.0029
1.4	20175	1732.5	QPSK	1	LOW	3.78	0.0022
1.4	20175	1732.5	QPSK	1	MID	-6.09	-0.0035

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
1.4	20175	1732.5	QPSK	1	HIGH	3.6	0.0021
1.4	20175	1732.5	QPSK	3	LOW	5.79	0.0033
1.4	20175	1732.5	QPSK	3	MID	8.5	0.0049
1.4	20175	1732.5	QPSK	3	HIGH	5.52	0.0032
1.4	20175	1732.5	QPSK	6	LOW	2.85	0.0016
1.4	20175	1732.5	Q16	1	LOW	-4.38	-0.0025
1.4	20175	1732.5	Q16	1	MID	-3.2	-0.0018
1.4	20175	1732.5	Q16	1	HIGH	-3.71	-0.0021
1.4	20175	1732.5	Q16	3	LOW	-3.23	-0.0019
1.4	20175	1732.5	Q16	3	MID	-2.19	-0.0013
1.4	20175	1732.5	Q16	3	HIGH	4.22	0.0024
1.4	20175	1732.5	Q16	6	LOW	-2.68	-0.0015
3	19965	1711.5	QPSK	1	LOW	-11.4	-0.0067
3	19965	1711.5	QPSK	1	MID	6.55	0.0038
3	19965	1711.5	QPSK	1	HIGH	4.88	0.0029
3	19965	1711.5	QPSK	8	LOW	-5.94	-0.0035
3	19965	1711.5	QPSK	8	MID	-5.42	-0.0032
3	19965	1711.5	QPSK	8	HIGH	2.13	0.0012
3	19965	1711.5	QPSK	15	LOW	4.75	0.0028
3	19965	1711.5	Q16	1	LOW	-2.26	-0.0013
3	19965	1711.5	Q16	1	MID	2.93	0.0017
3	19965	1711.5	Q16	1	HIGH	-5.11	-0.003
3	19965	1711.5	Q16	8	LOW	-5.71	-0.0033
3	19965	1711.5	Q16	8	MID	-4.85	-0.0028
3	19965	1711.5	Q16	8	HIGH	-4.45	-0.0026
3	19965	1711.5	Q16	15	LOW	-3.83	-0.0022
3	20385	1753.5	QPSK	1	LOW	4.63	0.0026
3	20385	1753.5	QPSK	1	MID	-3.03	-0.0017
3	20385	1753.5	QPSK	1	HIGH	-3.38	-0.0019
3	20385	1753.5	QPSK	8	LOW	4.18	0.0024
3	20385	1753.5	QPSK	8	MID	-3.16	-0.0018
3	20385	1753.5	QPSK	8	HIGH	-4.01	-0.0023
3	20385	1753.5	QPSK	15	LOW	3.45	0.002
3	20385	1753.5	Q16	1	LOW	-6.12	-0.0035
3	20385	1753.5	Q16	1	MID	-5.51	-0.0031
3	20385	1753.5	Q16	1	HIGH	-8.17	-0.0047

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
3	20385	1753.5	Q16	8	LOW	-7.35	-0.0042
3	20385	1753.5	Q16	8	MID	-5.06	-0.0029
3	20385	1753.5	Q16	8	HIGH	-5.35	-0.0031
3	20385	1753.5	Q16	15	LOW	-5.12	-0.0029
3	20175	1732.5	QPSK	1	LOW	-4.69	-0.0027
3	20175	1732.5	QPSK	1	MID	-7.07	-0.0041
3	20175	1732.5	QPSK	1	HIGH	-4.39	-0.0025
3	20175	1732.5	QPSK	8	LOW	4.73	0.0027
3	20175	1732.5	QPSK	8	MID	5.98	0.0035
3	20175	1732.5	QPSK	8	HIGH	7.7	0.0044
3	20175	1732.5	QPSK	15	LOW	6.9	0.004
3	20175	1732.5	Q16	1	LOW	-4.56	-0.0026
3	20175	1732.5	Q16	1	MID	-5.05	-0.0029
3	20175	1732.5	Q16	1	HIGH	3.59	0.0021
3	20175	1732.5	Q16	8	LOW	-3.6	-0.0021
3	20175	1732.5	Q16	8	MID	-6.09	-0.0035
3	20175	1732.5	Q16	8	HIGH	-4.91	-0.0028
3	20175	1732.5	Q16	15	LOW	-5.92	-0.0034
5	19975	1712.5	QPSK	1	LOW	-5.52	-0.0032
5	19975	1712.5	QPSK	1	MID	8.04	0.0047
5	19975	1712.5	QPSK	1	HIGH	5.91	0.0035
5	19975	1712.5	QPSK	12	LOW	8.54	0.005
5	19975	1712.5	QPSK	12	MID	5.85	0.0034
5	19975	1712.5	QPSK	12	HIGH	4.63	0.0027
5	19975	1712.5	QPSK	25	LOW	5.42	0.0032
5	19975	1712.5	Q16	1	LOW	6.52	0.0038
5	19975	1712.5	Q16	1	MID	5.66	0.0033
5	19975	1712.5	Q16	1	HIGH	6.42	0.0037
5	19975	1712.5	Q16	12	LOW	8.28	0.0048
5	19975	1712.5	Q16	12	MID	7.61	0.0044
5	19975	1712.5	Q16	12	HIGH	4.48	0.0026
5	19975	1712.5	Q16	25	LOW	4.53	0.0026
5	20375	1752.5	QPSK	1	LOW	-3.99	-0.0023
5	20375	1752.5	QPSK	1	MID	-3.02	-0.0017
5	20375	1752.5	QPSK	1	HIGH	4.15	0.0024
5	20375	1752.5	QPSK	12	LOW	4.58	0.0026

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
5	20375	1752.5	QPSK	12	MID	3.39	0.0019
5	20375	1752.5	QPSK	12	HIGH	-6.58	-0.0038
5	20375	1752.5	QPSK	25	LOW	3.16	0.0018
5	20375	1752.5	Q16	1	LOW	2.57	0.0015
5	20375	1752.5	Q16	1	MID	-5.39	-0.0031
5	20375	1752.5	Q16	1	HIGH	5.66	0.0032
5	20375	1752.5	Q16	12	LOW	2.73	0.0016
5	20375	1752.5	Q16	12	MID	-5.25	-0.003
5	20375	1752.5	Q16	12	HIGH	-4.42	-0.0025
5	20375	1752.5	Q16	25	LOW	-3.72	-0.0021
5	20175	1732.5	QPSK	1	LOW	-4.75	-0.0027
5	20175	1732.5	QPSK	1	MID	-5.36	-0.0031
5	20175	1732.5	QPSK	1	HIGH	3.3	0.0019
5	20175	1732.5	QPSK	12	LOW	-3.96	-0.0023
5	20175	1732.5	QPSK	12	MID	4.66	0.0027
5	20175	1732.5	QPSK	12	HIGH	5.42	0.0031
5	20175	1732.5	QPSK	25	LOW	5.08	0.0029
5	20175	1732.5	Q16	1	LOW	-3.2	-0.0018
5	20175	1732.5	Q16	1	MID	3.76	0.0022
5	20175	1732.5	Q16	1	HIGH	-4.22	-0.0024
5	20175	1732.5	Q16	12	LOW	3.81	0.0022
5	20175	1732.5	Q16	12	MID	4.15	0.0024
5	20175	1732.5	Q16	12	HIGH	-2.89	-0.0017
5	20175	1732.5	Q16	25	LOW	-3.59	-0.0021
10	20000	1715	QPSK	1	LOW	-8.24	-0.0048
10	20000	1715	QPSK	1	MID	-4.66	-0.0027
10	20000	1715	QPSK	1	HIGH	-6.88	-0.004
10	20000	1715	QPSK	25	LOW	-5.05	-0.0029
10	20000	1715	QPSK	25	MID	-4.06	-0.0024
10	20000	1715	QPSK	25	HIGH	-3.38	-0.002
10	20000	1715	QPSK	50	LOW	-4.91	-0.0029
10	20000	1715	Q16	1	LOW	-3.49	-0.002
10	20000	1715	Q16	1	MID	-3.6	-0.0021
10	20000	1715	Q16	1	HIGH	-4.91	-0.0029
10	20000	1715	Q16	25	LOW	-6.54	-0.0038
10	20000	1715	Q16	25	MID	-6.09	-0.0036

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
10	20000	1715	Q16	25	HIGH	-8.8	-0.0051
10	20000	1715	Q16	50	LOW	-2.65	-0.0015
10	20350	1750	QPSK	1	LOW	-3.93	-0.0022
10	20350	1750	QPSK	1	MID	-2.69	-0.0015
10	20350	1750	QPSK	1	HIGH	3.58	0.002
10	20350	1750	QPSK	25	LOW	-3.19	-0.0018
10	20350	1750	QPSK	25	MID	-2.82	-0.0016
10	20350	1750	QPSK	25	HIGH	5.89	0.0034
10	20350	1750	QPSK	50	LOW	-5.75	-0.0033
10	20350	1750	Q16	1	LOW	-5.94	-0.0034
10	20350	1750	Q16	1	MID	-5.02	-0.0029
10	20350	1750	Q16	1	HIGH	-4.28	-0.0024
10	20350	1750	Q16	25	LOW	2.15	0.0012
10	20350	1750	Q16	25	MID	-3.38	-0.0019
10	20350	1750	Q16	25	HIGH	-3.68	-0.0021
10	20350	1750	Q16	50	LOW	-4.88	-0.0028
10	20175	1732.5	QPSK	1	LOW	-7.02	-0.0041
10	20175	1732.5	QPSK	1	MID	-4.28	-0.0025
10	20175	1732.5	QPSK	1	HIGH	-3.55	-0.002
10	20175	1732.5	QPSK	25	LOW	-3.91	-0.0023
10	20175	1732.5	QPSK	25	MID	-6.39	-0.0037
10	20175	1732.5	QPSK	25	HIGH	-5.79	-0.0033
10	20175	1732.5	QPSK	50	LOW	-5.06	-0.0029
10	20175	1732.5	Q16	1	LOW	-6.25	-0.0036
10	20175	1732.5	Q16	1	MID	-5.34	-0.0031
10	20175	1732.5	Q16	1	HIGH	-5.22	-0.003
10	20175	1732.5	Q16	25	LOW	-3.12	-0.0018
10	20175	1732.5	Q16	25	MID	-5.89	-0.0034
10	20175	1732.5	Q16	25	HIGH	-6.02	-0.0035
10	20175	1732.5	Q16	50	LOW	-4.36	-0.0025
15	20025	1717.5	QPSK	1	LOW	-7.44	-0.0043
15	20025	1717.5	QPSK	1	MID	-5.34	-0.0031
15	20025	1717.5	QPSK	1	HIGH	4.49	0.0026
15	20025	1717.5	QPSK	36	LOW	4.11	0.0024
15	20025	1717.5	QPSK	36	MID	-5.36	-0.0031
15	20025	1717.5	QPSK	36	HIGH	-3.66	-0.0021

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Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
15	20025	1717.5	QPSK	75	LOW	-2.26	-0.0013
15	20025	1717.5	Q16	1	LOW	3.53	0.0021
15	20025	1717.5	Q16	1	MID	3.86	0.0022
15	20025	1717.5	Q16	1	HIGH	-5.58	-0.0032
15	20025	1717.5	Q16	36	LOW	5.38	0.0031
15	20025	1717.5	Q16	36	MID	-4.25	-0.0025
15	20025	1717.5	Q16	36	HIGH	-4.36	-0.0025
15	20025	1717.5	Q16	75	LOW	-3.36	-0.002
15	20325	1747.5	QPSK	1	LOW	-7.2	-0.0041
15	20325	1747.5	QPSK	1	MID	-3.92	-0.0022
15	20325	1747.5	QPSK	1	HIGH	-5.39	-0.0031
15	20325	1747.5	QPSK	36	LOW	-3.85	-0.0022
15	20325	1747.5	QPSK	36	MID	-2.42	-0.0014
15	20325	1747.5	QPSK	36	HIGH	-5.28	-0.003
15	20325	1747.5	QPSK	75	LOW	-4.94	-0.0028
15	20325	1747.5	Q16	1	LOW	-6.27	-0.0036
15	20325	1747.5	Q16	1	MID	-7.11	-0.0041
15	20325	1747.5	Q16	1	HIGH	-4.23	-0.0024
15	20325	1747.5	Q16	36	LOW	-4.51	-0.0026
15	20325	1747.5	Q16	36	MID	-4.52	-0.0026
15	20325	1747.5	Q16	36	HIGH	-5.31	-0.003
15	20325	1747.5	Q16	75	LOW	-2.92	-0.0017
15	20175	1732.5	QPSK	1	LOW	4.39	0.0025
15	20175	1732.5	QPSK	1	MID	6.34	0.0037
15	20175	1732.5	QPSK	1	HIGH	5.94	0.0034
15	20175	1732.5	QPSK	36	LOW	7.11	0.0041
15	20175	1732.5	QPSK	36	MID	6.15	0.0035
15	20175	1732.5	QPSK	36	HIGH	5.22	0.003
15	20175	1732.5	QPSK	75	LOW	4.91	0.0028
15	20175	1732.5	Q16	1	LOW	5.48	0.0032
15	20175	1732.5	Q16	1	MID	4.82	0.0028
15	20175	1732.5	Q16	1	HIGH	-4.38	-0.0025
15	20175	1732.5	Q16	36	LOW	4.02	0.0023
15	20175	1732.5	Q16	36	MID	5.25	0.003
15	20175	1732.5	Q16	36	HIGH	3.81	0.0022
15	20175	1732.5	Q16	75	LOW	4.02	0.0023

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
20	20050	1720	QPSK	1	LOW	-8.55	-0.005
20	20050	1720	QPSK	1	MID	7.01	0.0041
20	20050	1720	QPSK	1	HIGH	4.52	0.0026
20	20050	1720	QPSK	50	LOW	4.99	0.0029
20	20050	1720	QPSK	50	MID	-3.81	-0.0022
20	20050	1720	QPSK	50	HIGH	-4.02	-0.0023
20	20050	1720	QPSK	100	LOW	3.71	0.0022
20	20050	1720	Q16	1	LOW	-5.11	-0.003
20	20050	1720	Q16	1	MID	-6.55	-0.0038
20	20050	1720	Q16	1	HIGH	-9.08	-0.0053
20	20050	1720	Q16	50	LOW	3.25	0.0019
20	20050	1720	Q16	50	MID	-2.36	-0.0014
20	20050	1720	Q16	50	HIGH	-5.31	-0.0031
20	20050	1720	Q16	100	LOW	2.37	0.0014
20	20300	1745	QPSK	1	LOW	-5.05	-0.0029
20	20300	1745	QPSK	1	MID	-4.33	-0.0025
20	20300	1745	QPSK	1	HIGH	-3.36	-0.0019
20	20300	1745	QPSK	50	LOW	4.49	0.0026
20	20300	1745	QPSK	50	MID	3.81	0.0022
20	20300	1745	QPSK	50	HIGH	-3.66	-0.0021
20	20300	1745	QPSK	100	LOW	-4.38	-0.0025
20	20300	1745	Q16	1	LOW	-6.71	-0.0038
20	20300	1745	Q16	1	MID	5.69	0.0033
20	20300	1745	Q16	1	HIGH	-5.02	-0.0029
20	20300	1745	Q16	50	LOW	-3.83	-0.0022
20	20300	1745	Q16	50	MID	-3.45	-0.002
20	20300	1745	Q16	50	HIGH	-4.94	-0.0028
20	20300	1745	Q16	100	LOW	-4.65	-0.0027
20	20175	1732.5	QPSK	1	LOW	8.65	0.005
20	20175	1732.5	QPSK	1	MID	-7.52	-0.0043
20	20175	1732.5	QPSK	1	HIGH	3.6	0.0021
20	20175	1732.5	QPSK	50	LOW	3.5	0.002
20	20175	1732.5	QPSK	50	MID	3.96	0.0023
20	20175	1732.5	QPSK	50	HIGH	-5.79	-0.0033
20	20175	1732.5	QPSK	100	LOW	-2.8	-0.0016
20	20175	1732.5	Q16	1	LOW	6.68	0.0039

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency Error (Hz)	Frequency Error (ppm)
20	20175	1732.5	Q16	1	MID	3.88	0.0022
20	20175	1732.5	Q16	1	HIGH	-4.02	-0.0023
20	20175	1732.5	Q16	50	LOW	-2.62	-0.0015
20	20175	1732.5	Q16	50	MID	2.88	0.0017
20	20175	1732.5	Q16	50	HIGH	3.06	0.0018
20	20175	1732.5	Q16	100	LOW	-4.94	-0.0029

BAND 7:

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency error (Hz)	Frequency Error (ppm)
5	20775	2502.5	QPSK	1	LOW	-11.19	-0.0045
5	20775	2502.5	QPSK	1	MID	6.54	0.0026
5	20775	2502.5	QPSK	1	HIGH	6.47	0.0026
5	20775	2502.5	QPSK	12	LOW	4.32	0.0017
5	20775	2502.5	QPSK	12	MID	-2.53	-0.001
5	20775	2502.5	QPSK	12	HIGH	3.56	0.0014
5	20775	2502.5	QPSK	25	LOW	5.12	0.002
5	20775	2502.5	Q16	1	LOW	5.79	0.0023
5	20775	2502.5	Q16	1	MID	-4.78	-0.0019
5	20775	2502.5	Q16	1	HIGH	-6.61	-0.0026
5	20775	2502.5	Q16	12	LOW	4.23	0.0017
5	20775	2502.5	Q16	12	MID	-4.79	-0.0019
5	20775	2502.5	Q16	12	HIGH	-3.93	-0.0016
5	20775	2502.5	Q16	25	LOW	3.52	0.0014
5	21425	2567.5	QPSK	1	LOW	6.94	0.0027
5	21425	2567.5	QPSK	1	MID	4.85	0.0019
5	21425	2567.5	QPSK	1	HIGH	8.63	0.0034
5	21425	2567.5	QPSK	12	LOW	5.32	0.0021
5	21425	2567.5	QPSK	12	MID	8.73	0.0034
5	21425	2567.5	QPSK	12	HIGH	6.82	0.0027
5	21425	2567.5	QPSK	25	LOW	6.69	0.0026
5	21425	2567.5	Q16	1	LOW	7.58	0.003
5	21425	2567.5	Q16	1	MID	4.79	0.0019
5	21425	2567.5	Q16	1	HIGH	3.59	0.0014
5	21425	2567.5	Q16	12	LOW	8.21	0.0032
5	21425	2567.5	Q16	12	MID	6.42	0.0025

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency error (Hz)	Frequency Error (ppm)
5	21425	2567.5	Q16	12	HIGH	8.31	0.0032
5	21425	2567.5	Q16	25	LOW	6.17	0.0024
5	21100	2535	QPSK	1	LOW	4.41	0.0017
5	21100	2535	QPSK	1	MID	7.24	0.0029
5	21100	2535	QPSK	1	HIGH	5.72	0.0023
5	21100	2535	QPSK	12	LOW	5.91	0.0023
5	21100	2535	QPSK	12	MID	-3.29	-0.0013
5	21100	2535	QPSK	12	HIGH	3.81	0.0015
5	21100	2535	QPSK	25	LOW	6.11	0.0024
5	21100	2535	QPSK	1	LOW	4.22	0.0017
5	21100	2535	QPSK	1	MID	5.85	0.0023
5	21100	2535	QPSK	1	HIGH	4.28	0.0017
5	21100	2535	QPSK	12	LOW	7.8	0.0031
5	21100	2535	QPSK	12	MID	6.41	0.0025
5	21100	2535	QPSK	12	HIGH	4.32	0.0017
5	21100	2535	QPSK	25	LOW	7.02	0.0028
10	20800	2505	QPSK	1	LOW	-9.74	-0.0039
10	20800	2505	QPSK	1	MID	4.13	0.0016
10	20800	2505	QPSK	1	HIGH	4.79	0.0019
10	20800	2505	QPSK	25	LOW	4.85	0.0019
10	20800	2505	QPSK	25	MID	-5.05	-0.002
10	20800	2505	QPSK	25	HIGH	-4.33	-0.0017
10	20800	2505	QPSK	50	LOW	7.27	0.0029
10	20800	2505	Q16	1	LOW	6.22	0.0025
10	20800	2505	Q16	1	MID	-4.08	-0.0016
10	20800	2505	Q16	1	HIGH	-4.89	-0.002
10	20800	2505	Q16	25	LOW	6.37	0.0025
10	20800	2505	Q16	25	MID	3.45	0.0014
10	20800	2505	Q16	25	HIGH	4.21	0.0017
10	20800	2505	Q16	50	LOW	-4.51	-0.0018
10	21400	2565	QPSK	1	LOW	-5.52	-0.0022
10	21400	2565	QPSK	1	MID	6.09	0.0024
10	21400	2565	QPSK	1	HIGH	-5.06	-0.002
10	21400	2565	QPSK	25	LOW	8	0.0031
10	21400	2565	QPSK	25	MID	3.98	0.0016
10	21400	2565	QPSK	25	HIGH	-5.01	-0.002

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency error (Hz)	Frequency Error (ppm)
10	21400	2565	QPSK	50	LOW	3.3	0.0013
10	21400	2565	QPSK	1	LOW	5.09	0.002
10	21400	2565	QPSK	1	MID	-5.75	-0.0022
10	21400	2565	QPSK	1	HIGH	-3.89	-0.0015
10	21400	2565	Q16	25	LOW	6.69	0.0026
10	21400	2565	Q16	25	MID	6.05	0.0024
10	21400	2565	Q16	25	HIGH	-4.52	-0.0018
10	21400	2565	Q16	50	LOW	-4.53	-0.0018
10	21100	2535	QPSK	1	LOW	5.69	0.0022
10	21100	2535	QPSK	1	MID	5.04	0.002
10	21100	2535	QPSK	1	HIGH	6.25	0.0025
10	21100	2535	QPSK	25	LOW	8.58	0.0034
10	21100	2535	QPSK	25	MID	6.55	0.0026
10	21100	2535	QPSK	25	HIGH	6.22	0.0025
10	21100	2535	QPSK	50	LOW	6.9	0.0027
10	21100	2535	QPSK	1	LOW	6.38	0.0025
10	21100	2535	QPSK	1	MID	6.71	0.0026
10	21100	2535	QPSK	1	HIGH	5.75	0.0023
10	21100	2535	Q16	25	LOW	7.8	0.0031
10	21100	2535	Q16	25	MID	8.34	0.0033
10	21100	2535	Q16	25	HIGH	5.97	0.0024
10	21100	2535	Q16	50	LOW	8.9	0.0035
15	20825	2507.5	QPSK	1	LOW	-10.2	-0.0041
15	20825	2507.5	QPSK	1	MID	3.79	0.0015
15	20825	2507.5	QPSK	1	HIGH	3.05	0.0012
15	20825	2507.5	QPSK	36	LOW	3.81	0.0015
15	20825	2507.5	QPSK	36	MID	-4.23	-0.0017
15	20825	2507.5	QPSK	36	HIGH	4.51	0.0018
15	20825	2507.5	QPSK	75	LOW	-6.61	-0.0026
15	20825	2507.5	Q16	1	LOW	-4.13	-0.0016
15	20825	2507.5	Q16	1	MID	5.74	0.0023
15	20825	2507.5	Q16	1	HIGH	-5.48	-0.0022
15	20825	2507.5	Q16	36	LOW	5.36	0.0021
15	20825	2507.5	Q16	36	MID	-3.75	-0.0015
15	20825	2507.5	Q16	36	HIGH	-6.28	-0.0025
15	20825	2507.5	Q16	75	LOW	-5.62	-0.0022

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency error (Hz)	Frequency Error (ppm)
15	21375	2562.5	QPSK	1	LOW	-7.21	-0.0028
15	21375	2562.5	QPSK	1	MID	5.35	0.0021
15	21375	2562.5	QPSK	1	HIGH	3.81	0.0015
15	21375	2562.5	QPSK	36	LOW	6.11	0.0024
15	21375	2562.5	QPSK	36	MID	8.34	0.0033
15	21375	2562.5	QPSK	36	HIGH	7	0.0027
15	21375	2562.5	QPSK	75	LOW	6.61	0.0026
15	21375	2562.5	Q16	1	LOW	-4.26	-0.0017
15	21375	2562.5	Q16	1	MID	-7.04	-0.0027
15	21375	2562.5	Q16	1	HIGH	5.21	0.002
15	21375	2562.5	Q16	36	LOW	5.98	0.0023
15	21375	2562.5	Q16	36	MID	-3.68	-0.0014
15	21375	2562.5	Q16	36	HIGH	5.59	0.0022
15	21375	2562.5	Q16	75	LOW	4.63	0.0018
15	21100	2535	QPSK	1	LOW	7.82	0.0031
15	21100	2535	QPSK	1	MID	6.48	0.0026
15	21100	2535	QPSK	1	HIGH	5.18	0.002
15	21100	2535	QPSK	36	LOW	9.03	0.0036
15	21100	2535	QPSK	36	MID	12.06	0.0048
15	21100	2535	QPSK	36	HIGH	6.22	0.0025
15	21100	2535	QPSK	75	LOW	6.32	0.0025
15	21100	2535	Q16	1	LOW	8.38	0.0033
15	21100	2535	Q16	1	MID	8.14	0.0032
15	21100	2535	Q16	1	HIGH	11.22	0.0044
15	21100	2535	Q16	36	LOW	5.76	0.0023
15	21100	2535	Q16	36	MID	9.73	0.0038
15	21100	2535	Q16	36	HIGH	7.84	0.0031
15	21100	2535	Q16	75	LOW	6.92	0.0027
20	20850	2510	QPSK	1	LOW	-6.51	-0.0026
20	20850	2510	QPSK	1	MID	9.7	0.0039
20	20850	2510	QPSK	1	HIGH	7.44	0.003
20	20850	2510	QPSK	50	LOW	4.02	0.0016
20	20850	2510	QPSK	50	MID	6.49	0.0026
20	20850	2510	QPSK	50	HIGH	5.55	0.0022
20	20850	2510	QPSK	100	LOW	6.09	0.0024
20	20850	2510	Q16	1	LOW	4.91	0.002

Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Frequency error (Hz)	Frequency Error (ppm)
20	20850	2510	Q16	1	MID	5.42	0.0022
20	20850	2510	Q16	1	HIGH	7.24	0.0029
20	20850	2510	Q16	50	LOW	5.87	0.0023
20	20850	2510	Q16	50	MID	4.68	0.0019
20	20850	2510	Q16	50	HIGH	6.65	0.0026
20	20850	2510	Q16	100	LOW	8.81	0.0035
20	21350	2560	QPSK	1	LOW	-13.15	-0.0051
20	21350	2560	QPSK	1	MID	-5.85	-0.0023
20	21350	2560	QPSK	1	HIGH	-4.71	-0.0018
20	21350	2560	QPSK	50	LOW	5.48	0.0021
20	21350	2560	QPSK	50	MID	-4.95	-0.0019
20	21350	2560	QPSK	50	HIGH	-9.06	-0.0035
20	21350	2560	QPSK	100	LOW	-6.42	-0.0025
20	21350	2560	Q16	1	LOW	-10.79	-0.0042
20	21350	2560	Q16	1	MID	-8.73	-0.0034
20	21350	2560	Q16	1	HIGH	-8.98	-0.0035
20	21350	2560	Q16	50	LOW	-4.41	-0.0017
20	21350	2560	Q16	50	MID	-5.15	-0.002
20	21350	2560	Q16	50	HIGH	-5.38	-0.0021
20	21350	2560	Q16	100	LOW	-5.69	-0.0022
20	21100	2535	QPSK	1	LOW	-4.26	-0.0017
20	21100	2535	QPSK	1	MID	6.77	0.0027
20	21100	2535	QPSK	1	HIGH	7.21	0.0028
20	21100	2535	QPSK	50	LOW	8.17	0.0032
20	21100	2535	QPSK	50	MID	7.8	0.0031
20	21100	2535	QPSK	50	HIGH	6.72	0.0027
20	21100	2535	QPSK	100	LOW	6.69	0.0026
20	21100	2535	Q16	1	LOW	7.27	0.0029
20	21100	2535	Q16	1	MID	4.62	0.0018
20	21100	2535	Q16	1	HIGH	5.14	0.002
20	21100	2535	Q16	50	LOW	4.65	0.0018
20	21100	2535	Q16	50	MID	6.54	0.0026
20	21100	2535	Q16	50	HIGH	-6.04	-0.0024
20	21100	2535	Q16	100	LOW	5.15	0.002

8 OCCUPIED BANDWIDTH& Emission Bandwidth

8.1 Measurement Result

GSM850:

Frequency	OBW(99%)	26dB BW
848.8	245.19KHz	307.69KHz
824.2	246.79KHz	318.91KHz
836.6	246.79KHz	312.50KHz

GSM1900:

Frequency	OBW(99%)	26dB BW
1909.8	248.39KHz	314.10KHz
1850.2	246.79KHz	318.91KHz
1880	246.79KHz	314.10KHz

GPRS850:

Frequency	OBW(99%)	26dB BW
848.8	246.79KHz	315.70KHz
824.2	245.19KHz	315.70KHz
836.6	248.39KHz	320.51KHz

GPRS 1900:

Frequency	OBW(99%)	26dB BW
1909.8	246.79KHz	312.50KHz
1850.2	243.58KHz	315.70KHz
1880	243.58KHz	315.70KHz

EGPRS850:

Frequency	OBW(99%)	26dB BW
848.8	248.39KHz	315.70KHz
824.2	246.79KHz	318.91KHz
836.6	246.79KHz	315.70KHz

EGPRS 1900:

Frequency	OBW(99%)	26dB BW
1909.8	251.60KHz	312.50KHz
1850.2	251.60KHz	309.29KHz
1880	248.39KHz	293.26KHz

UTRA BANDS

BAND 2:

Frequency	OBW(99%)	26dB BW
1907.6	4.231MHz	4.903MHz
1852.4	4.230MHz	4.855MHz
1880	4.214MHz	4.855MHz

BAND 4:

Frequency	OBW(99%)	26dB BW
848.8	4.198MHz	4.855MHz
824.2	4.198MHz	4.839MHz
836.6	4.230MHz	4.935MHz

BAND 5:

Frequency	OBW(99%)	26dB BW
1712.4	4.198MHz	4.839MHz
1732.6	4.215MHz	4.871MHz
1752.6	4.231MHz	4.871MHz

E-UTRA BANDS:
  BAND 2:

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B014	QPSK	6	LOW	1850.7	1.182MHz	1.389MHz
B014	Q16	6	LOW	1850.7	1.182MHz	1.379MHz
B014	QPSK	6	LOW	1880	1.197MHz	1.485MHz
B014	Q16	6	LOW	1880	1.182MHz	1394MHz
B014	QPSK	6	LOW	1909.3	1.168MHz	1.370MHz
B014	Q16	6	LOW	1909.3	1.168MHz	1.370MHz
B030	QPSK	15	LOW	1851.5	2.730MHz	3.009MHz
B030	Q16	15	LOW	1851.5	2.740MHz	3.009MHz
B030	QPSK	15	LOW	1880	2.740MHz	3.057MHz
B030	Q16	15	LOW	1880	2.75MHz	3.028MHz
B030	QPSK	15	LOW	1908.5	2.740MHz	3.048MHz
B030	Q16	15	LOW	1908.5	2.740MHz	2.981MHz
B050	QPSK	25	LOW	1852.5	4.63MHz	5.28MHz
B050	Q16	25	LOW	1852.5	4.61MHz	5.22MHz
B050	QPSK	25	LOW	1880	4.63MHz	5.30MHz
B050	Q16	25	LOW	1880	4.64MHz	5.48MHz
B050	QPSK	25	LOW	1907.5	4.61MHz	5.24MHz
B050	Q16	25	LOW	1907.5	4.63MHz	5.25MHz
B100	QPSK	50	LOW	1855	9.07MHz	9.96MHz
B100	Q16	50	LOW	1855	9.07MHz	9.96MHz
B100	QPSK	50	LOW	1880	9MHz	9.83MHz
B100	Q16	50	LOW	1880	9.03MHz	9.93MHz
B100	QPSK	50	LOW	1905	9MHz	9.83MHz
B100	Q16	50	LOW	1905	9MHz	9.80MHz
B150	QPSK	75	LOW	1857.5	13.61MHz	14.85MHz
B150	Q16	75	LOW	1857.5	13.61MHz	14.95MHz
B150	QPSK	75	LOW	1880	13.51MHz	14.61MHz

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B150	Q16	75	LOW	1880	13.55MHz	14.80MHz
B150	QPSK	75	LOW	1902.5	13.46MHz	14.66MHz
B150	Q16	75	LOW	1902.5	13.46MHz	14.80MHz
B200	QPSK	100	LOW	1860	17.94MHz	19.42MHz
B200	Q16	100	LOW	1860	18.01MHz	19.55MHz
B200	QPSK	100	LOW	1880	17.94MHz	19.35MHz
B200	Q16	100	LOW	1880	18.01MHz	19.29MHz
B200	QPSK	100	LOW	1900	17.88MHz	19.42MHz
B200	Q16	100	LOW	1900	17.94MHz	19.29MHz

BAND 4:

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B014	QPSK	6	LOW	1710.7	1.10MHz	1.269MHz
B014	Q16	6	LOW	1710.7	1.105MHz	1.278MHz
B014	QPSK	6	LOW	1732.5	1.11MHz	1.293MHz
B014	Q16	6	LOW	1732.5	1.101MHz	1.274MHz
B014	QPSK	6	LOW	1754.3	1.096MHz	1.278MHz
B014	Q16	6	LOW	1754.3	1.101MHz	1.288MHz
B030	QPSK	15	LOW	1711.5	2.7MHz	2.923MHz
B030	Q16	15	LOW	1711.5	2.7MHz	2.923MHz
B030	QPSK	15	LOW	1732.5	2.7MHz	2.951MHz
B030	Q16	15	LOW	1732.5	2.7MHz	2.951MHz
B030	QPSK	15	LOW	1753.5	2.7MHz	2.942MHz
B030	Q16	15	LOW	1753.5	2.7MHz	2.980MHz
B050	QPSK	25	LOW	1712.5	4.51MHz	4.983MHz
B050	Q16	25	LOW	1712.5	4.51MHz	5MHz
B050	QPSK	25	LOW	1732.5	4.53MHz	4.98MHz
B050	Q16	25	LOW	1732.5	4.53MHz	5.06MHz
B050	QPSK	25	LOW	1752.5	4.53MHz	5.01MHz
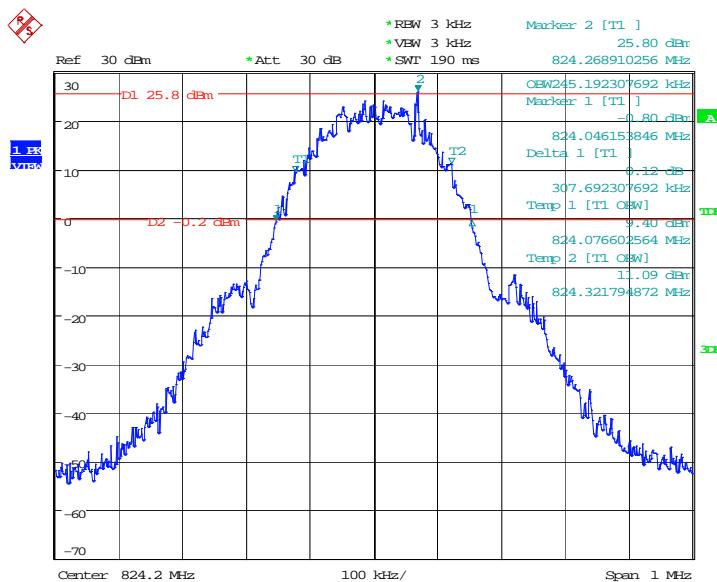
Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B050	Q16	25	LOW	1752.5	4.55MHz	5.04MHz
B100	QPSK	50	LOW	1715	9.03MHz	9.96MHz
B100	Q16	50	LOW	1715	8.97MHz	9.87MHz
B100	QPSK	50	LOW	1732.5	9MHz	9.87MHz
B100	Q16	50	LOW	1732.5	9MHz	9.9MHz
B100	QPSK	50	LOW	1750	9.03MHz	9.9MHz
B100	Q16	50	LOW	1750	9MHz	9.96MHz
B150	QPSK	75	LOW	1717.5	13.5MHz	14.9MHz
B150	Q16	75	LOW	1717.5	13.55MHz	14.8MHz
B150	QPSK	75	LOW	1732.5	13.46MHz	14.85MHz
B150	Q16	75	LOW	1732.5	13.5MHz	14.75MHz
B150	QPSK	75	LOW	1747.5	13.5MHz	14.71MHz
B150	Q16	75	LOW	1747.5	13.5MHz	14.95MHz
B200	QPSK	100	LOW	1720	18.14MHz	19.87MHz
B200	Q16	100	LOW	1720	18.14MHz	19.8MHz
B200	QPSK	100	LOW	1732.5	18.07MHz	19.8MHz
B200	Q16	100	LOW	1732.5	18.07MHz	19.74MHz
B200	QPSK	100	LOW	1745	18.01MHz	19.8MHz
B200	Q16	100	LOW	1745	18.01MHz	19.8MHz

BAND 7:

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B050	QPSK	25	LOW	2502.5	4.53MHz	5.08MHz
B050	Q16	25	LOW	2502.5	4.53MHz	5.01MHz
B050	QPSK	25	LOW	2535	4.51MHz	5MHz
B050	Q16	25	LOW	2535	4.51MHz	4.98MHz
B050	QPSK	25	LOW	2567.5	4.53MHz	5MHz
B050	QPSK	25	LOW	2567.5	4.53MHz	5.03MHz
B100	QPSK	50	LOW	2505	8.97MHz	9.87MHz
B100	Q16	50	LOW	2505	8.94MHz	9.74MHz
B100	QPSK	50	LOW	2535	8.97MHz	9.61MHz
B100	Q16	50	LOW	2535	8.97MHz	9.58MHz
B100	QPSK	50	LOW	2565	8.94MHz	9.74MHz
B100	Q16	50	LOW	2565	8.97MHz	9.67MHz
B150	QPSK	75	LOW	2507.5	13.55MHz	14.95MHz
B150	Q16	75	LOW	2507.5	13.56MHz	14.8MHz
B150	QPSK	75	LOW	2535	13.55MHz	14.71MHz
B150	Q16	75	LOW	2535	13.56MHz	14.75MHz
B150	QPSK	75	LOW	2562.5	13.46	14.61MHz
B150	Q16	75	LOW	2562.5	13.5MHz	14.8MHz
B200	QPSK	100	LOW	2510	18.21MHz	19.87MHz
B200	Q16	100	LOW	2510	18.21MHz	20MHz
B200	QPSK	100	LOW	2535	17.94MHz	19.74MHz
B200	Q16	100	LOW	2535	18.07MHz	19.61MHz
B200	QPSK	100	LOW	2560	18.01MHz	19.8MHz
B200	Q16	100	LOW	2560	18.01MHz	1967MHz
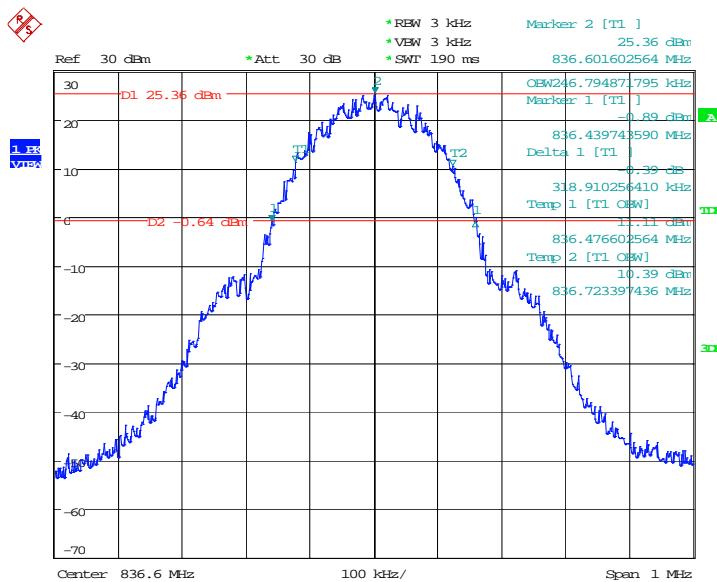
8.2 Test Plot(s)

Occupied Bandwidth (99% and -26dBc) GSM 850 BAND CH 128
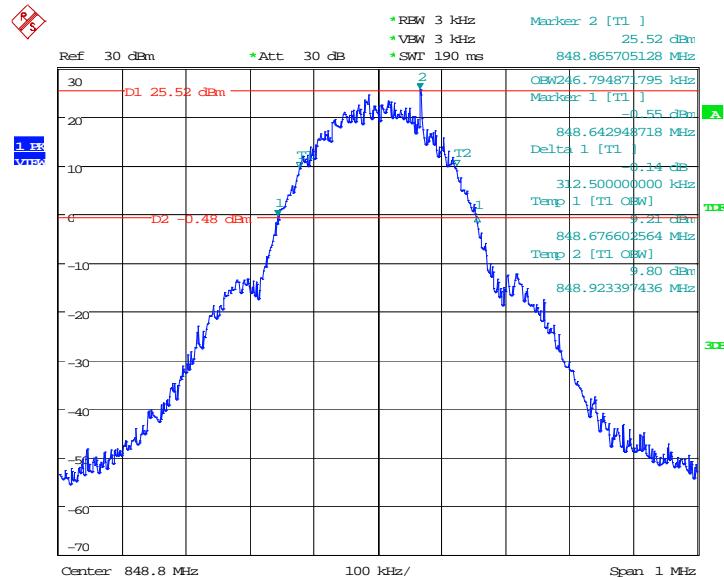
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Occupied Bandwidth (99% and -26dBc) GSM 850 BAND CH 190
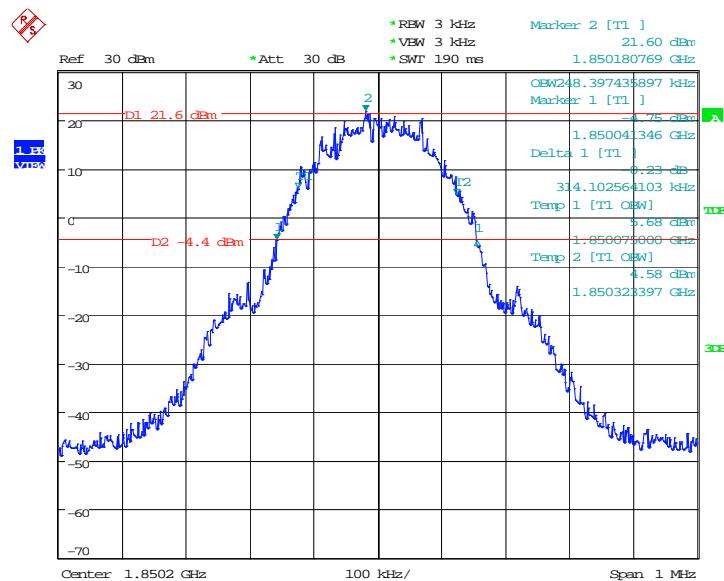
Date: 13.SEP.2016 11:14:02

Report No.: FCC16083918-5

Occupied Bandwidth (99% and -26dBc) GSM 850 BAND CH 251
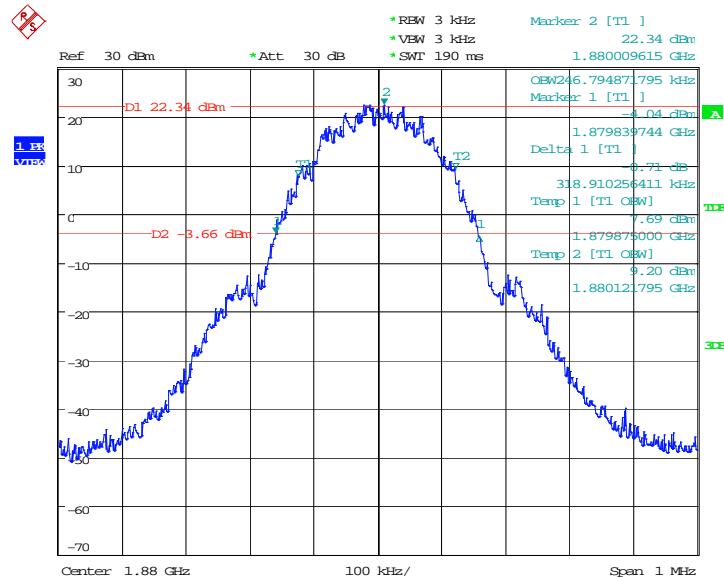
Date: 13.SEP.2016 11:15:59

Occupied Bandwidth (99% and -26dBc) GSM 1900 BAND CH 512
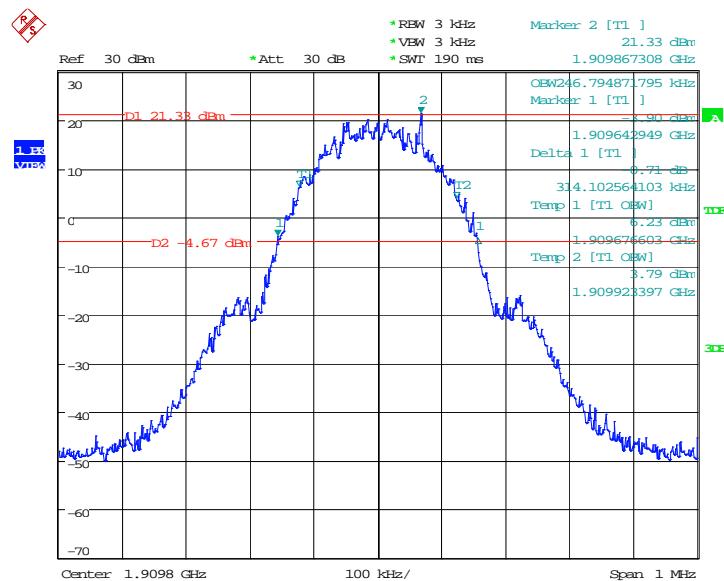
Date: 13.SEP.2016 11:23:49

Report No.: FCC16083918-5

Occupied Bandwidth (99% and -26dBc) PCS 1900 BAND CH 661

```
                                    * RBW  3 kHz         Marker 2 [T1 ]
                                    * VBW  3 kHz                    22.34 dBm
        Ref  30 dBm    * Att  30 dB  * SWT 190 ms         1.880009615 GHz
    30                                            OBW 246.794871.795 kHz
                                                   Marker 1 [T1 ]
    D1 22.34 dBm                    2                           -4.04 dBm
    20                                            1.879839744 GHz
                                                   Delta 1 [T1 ]
    10                   T1              T2                      -0.71 dB
                                                   318.910256411 kHz
                                                   Temp 1 [T1 OBW]
    0                                                           7.69 dBm
    D2 -3.66 dBm                                   1.879875000 GHz
                                                   Temp 2 [T1 OBW]
    -10                                                         9.20 dBm
                                                   1.880121795 GHz
    -20

    -30

    -40

    -50

    -60

    -70
    Center  1.88 GHz              100 kHz/              Span  1 MHz
```
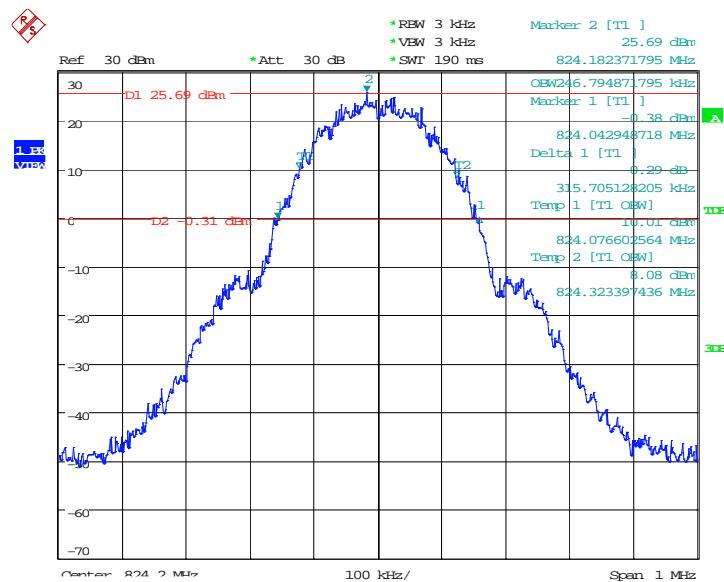
Date: 13.SEP.2016 11:28:13

Occupied Bandwidth (99% and -26dBc) PCS 1900 BAND CH 810

```
                                    * RBW  3 kHz         Marker 2 [T1 ]
                                    * VBW  3 kHz                    21.33 dBm
        Ref  30 dBm    * Att  30 dB  * SWT 190 ms         1.909867308 GHz
    30                                            OBW 246.794871.795 kHz
                                                   Marker 1 [T1 ]
    D1 21.33 dBm                    2                           -3.90 dBm
    20                                            1.909642949 GHz
                                                   Delta 1 [T1 ]
    10                   T1              T2                      -0.71 dB
                                                   314.102564103 kHz
                                                   Temp 1 [T1 OBW]
    0                                                           6.23 dBm
    D2 -4.67 dBm                                   1.909676603 GHz
                                                   Temp 2 [T1 OBW]
    -10                                                         3.79 dBm
                                                   1.909923397 GHz
    -20

    -30

    -40

    -50

    -60

    -70
    Center  1.9098 GHz            100 kHz/              Span  1 MHz
```
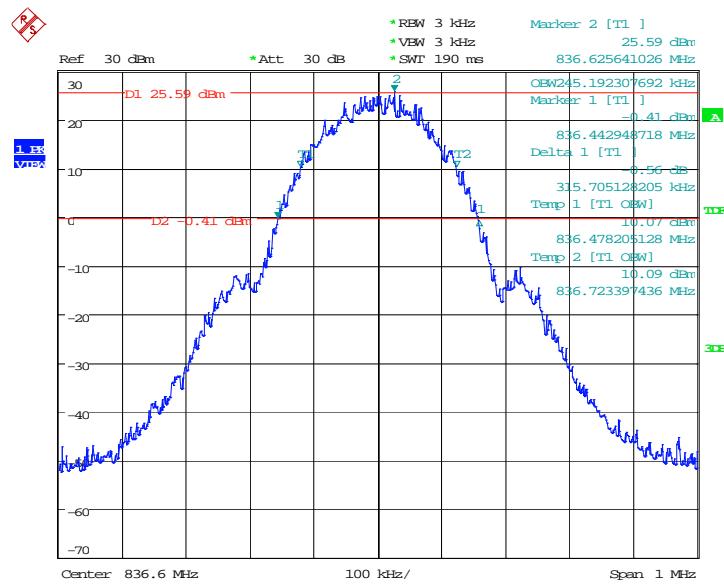
Date: 13.SEP.2016 11:32:02

Occupied Bandwidth (99% and -26dBc) GPRS 850 BAND CH 128

	*RBW 3 kHz
	*VBW 3 kHz
Ref 30 dBm	*Att 30 dB	*SWT 190 ms

Marker 2 [T1]
25.69 dBm
824.182371795 MHz
OBW 246.794871795 kHz
Marker 1 [T1]
-0.38 dBm
824.042948718 MHz
Delta 1 [T1]
0.29 dB
315.705128205 kHz
Temp 1 [T1 OBW]
10.01 dBm
824.076602564 MHz
Temp 2 [T1 OBW]
8.08 dBm
824.323397436 MHz

D1 25.69 dBm
D2 -0.31 dBm

Center 824.2 MHz   100 kHz/   Span 1 MHz
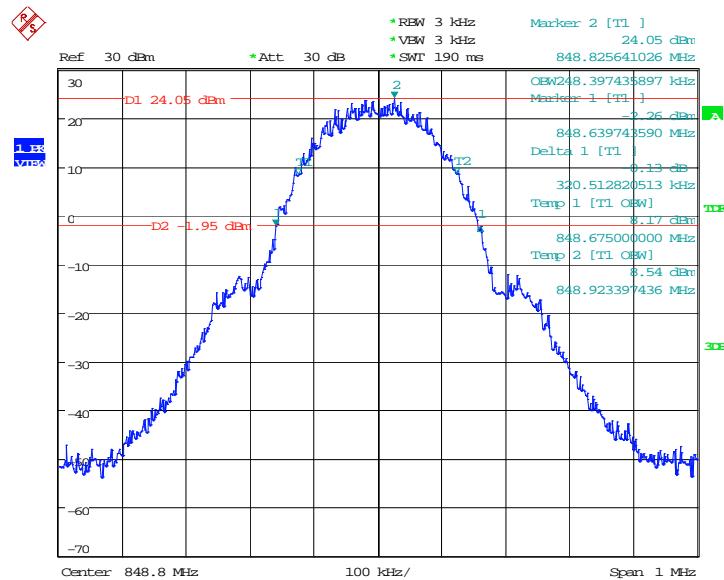
Date: 13.SEP.2016 12:09:54

Occupied Bandwidth (99% and -26dBc) GPRS 850 BAND CH 190

	*RBW 3 kHz
	*VBW 3 kHz
Ref 30 dBm	*Att 30 dB	*SWT 190 ms

Marker 2 [T1]
25.59 dBm
836.625641026 MHz
OBW 245.192307692 kHz
Marker 1 [T1]
-0.41 dBm
836.442948718 MHz
Delta 1 [T1]
-0.50 dB
315.705128205 kHz
Temp 1 [T1 OBW]
10.07 dBm
836.478205128 MHz
Temp 2 [T1 OBW]
10.09 dBm
836.723397436 MHz

D1 25.59 dBm
D2 -0.41 dBm

Center 836.6 MHz   100 kHz/   Span 1 MHz
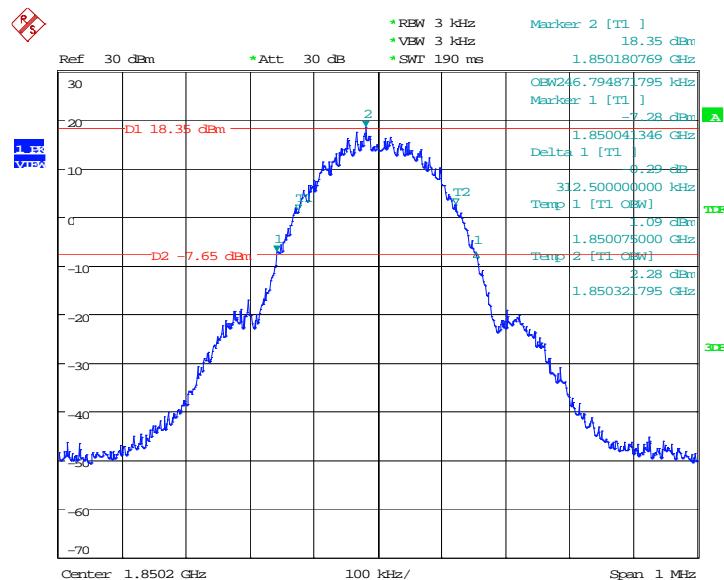
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Occupied Bandwidth (99% and -26dBc) GPRS 850 BAND CH 251
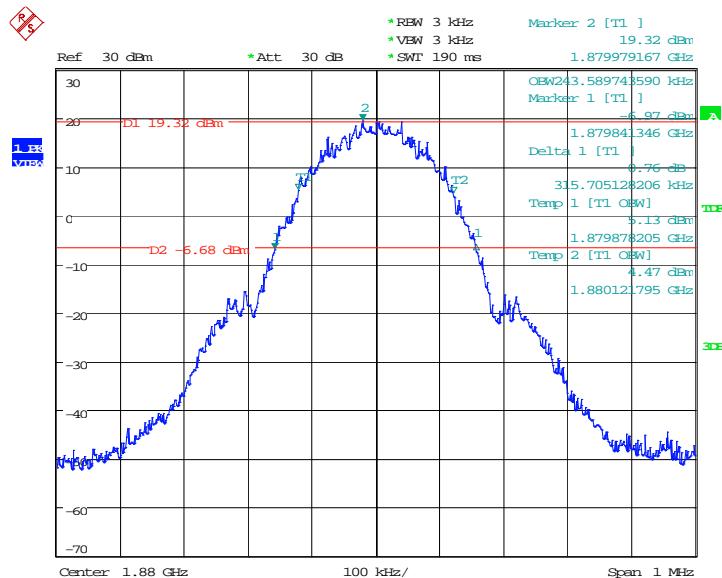
Date: 13.SEP.2016 12:14:21

Occupied Bandwidth (99% and -26dBc) GPRS 1900 BAND CH 512
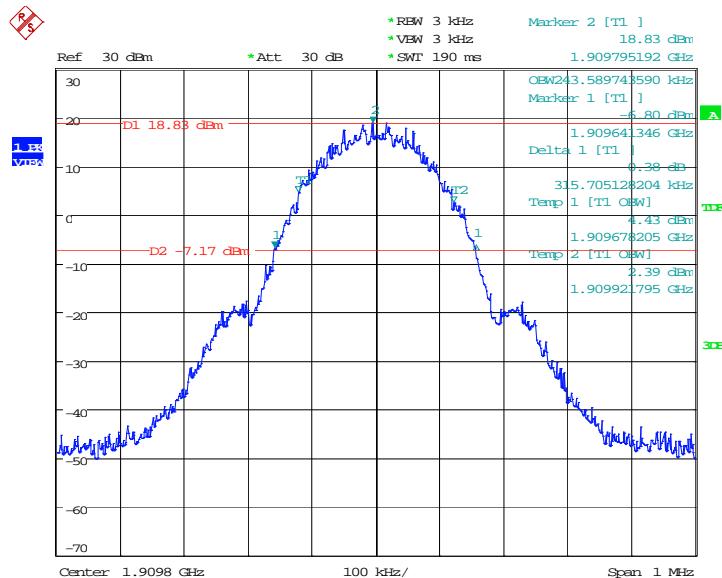
Date: 13.SEP.2016 11:36:17

Report No.: FCC16083918-5

Occupied Bandwidth (99% and -26dBc) GPRS 1900 BAND CH 661
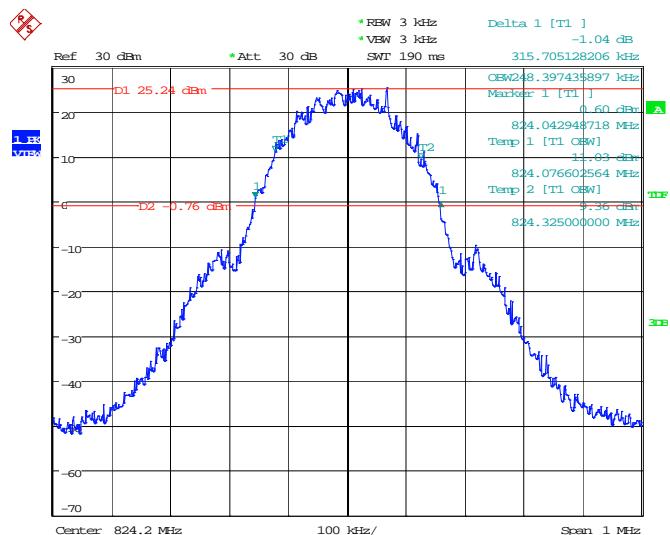
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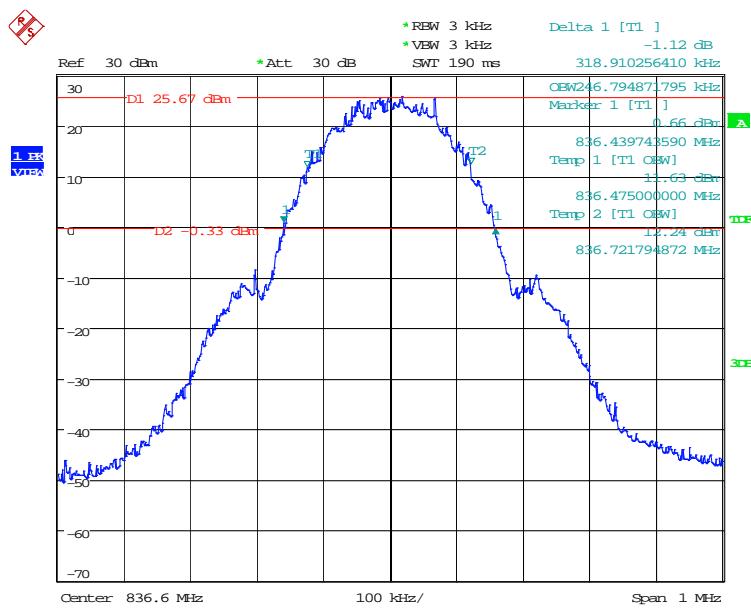
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Report No.: FCC16083918-5

Occupied Bandwidth (99% and -26dBc) EGPRS 850 BAND CH 128
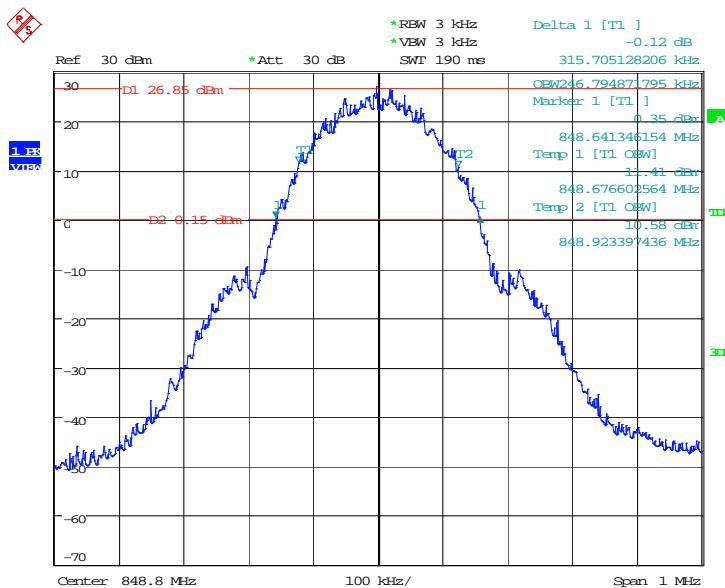
Date: 26.AUG.2016 10:43:18

Occupied Bandwidth (99% and -26dBc) EGPRS 850 BAND CH 190
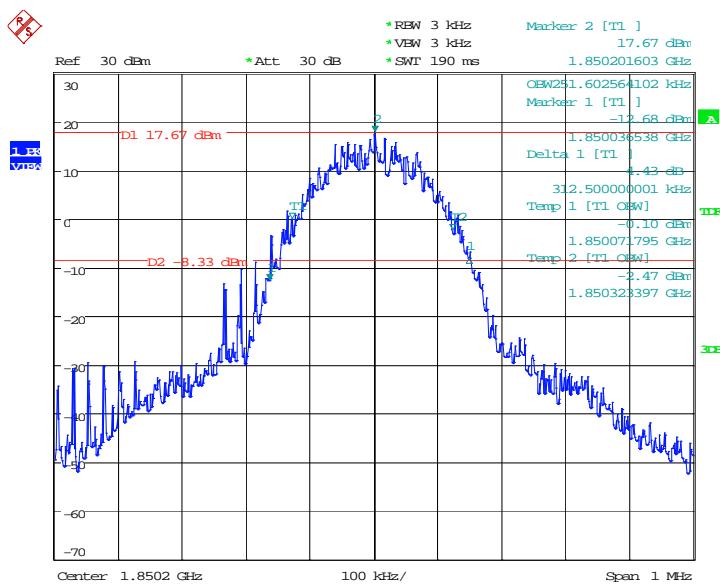
Date: 26.AUG.2016 15:02:47

Report No.: FCC16083918-5

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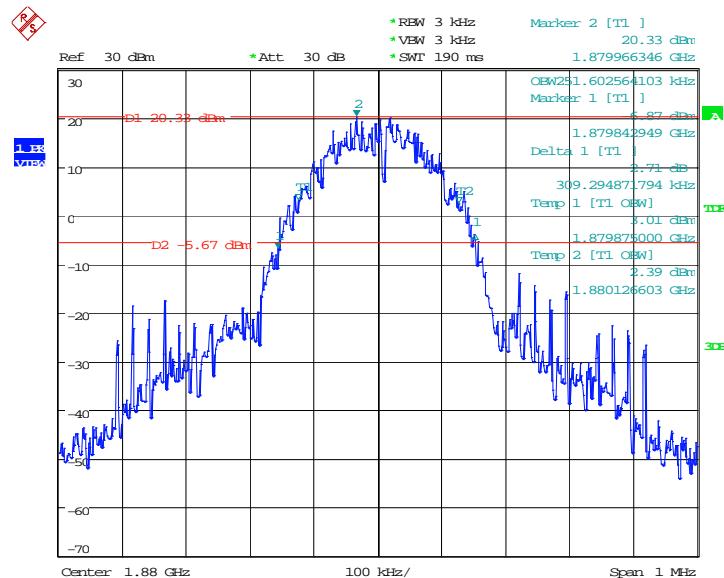
Date: 26.AUG.2016 15:08:48

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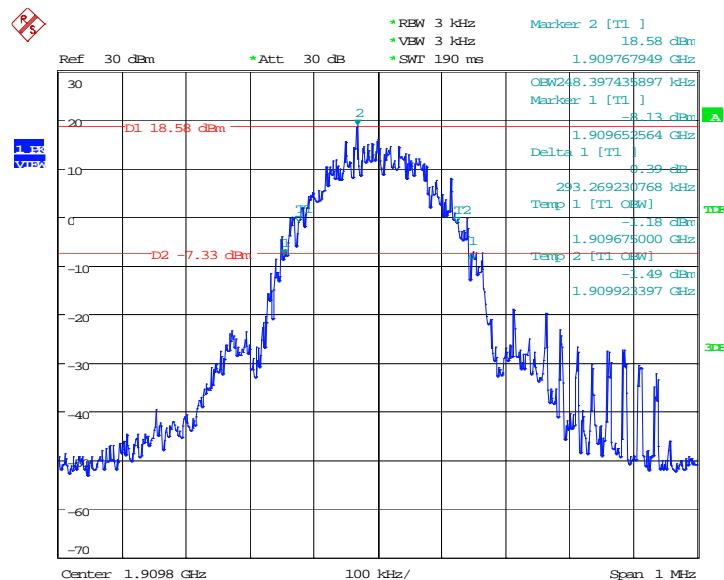
Date: 13.SEP.2016 11:59:57

Occupied Bandwidth (99% and -26dBc) EGPRS 1900 BAND CH 661

Date: 13.SEP.2016 12:02:44
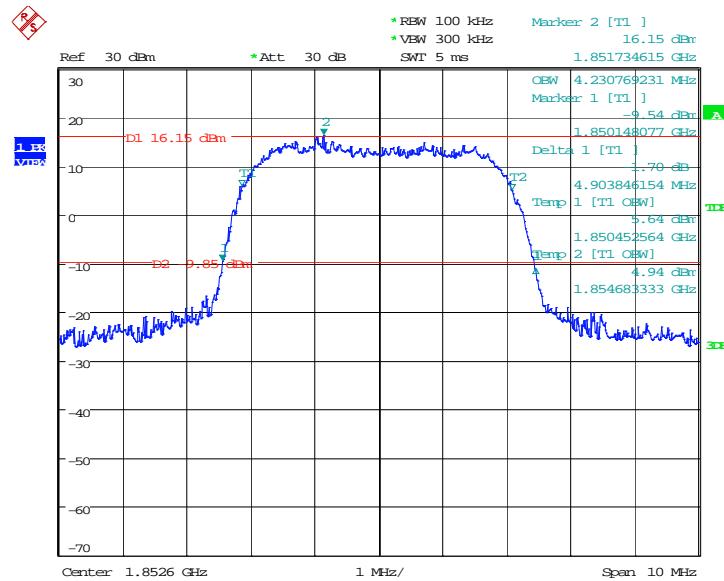
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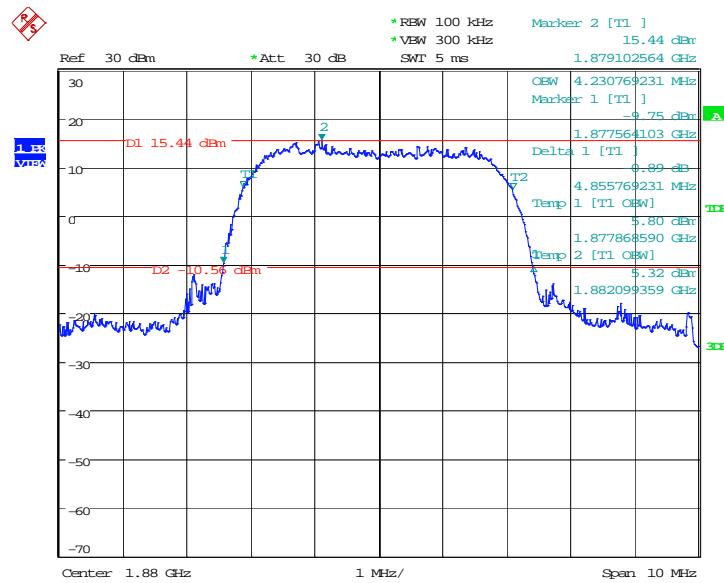
Date: 13.SEP.2016 12:05:25

Report No.: FCC16083918-5

UTRA BANDS
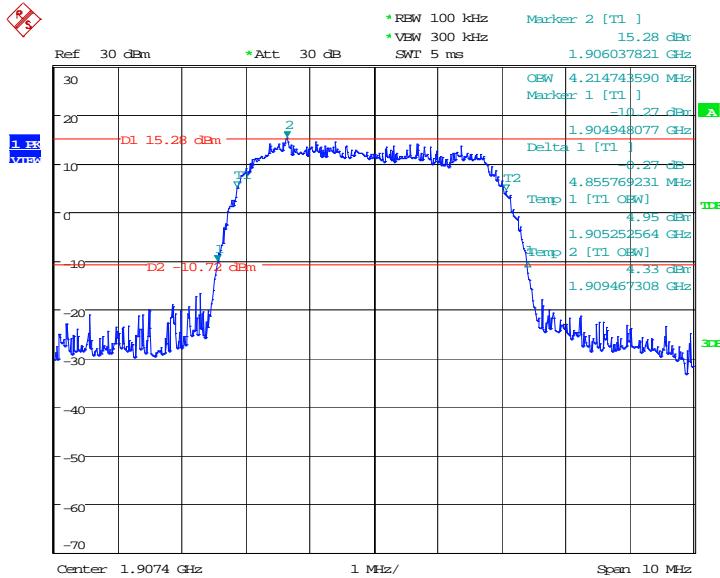
Occupied Bandwidth (99% and -26dBc) WCDMA BAND II CH 9263

Date: 12.SEP.2016 18:31:10

Occupied Bandwidth (99%and-26dBc) WCDMA BAND II CH 9400

Date: 12.SEP.2016 18:35:01
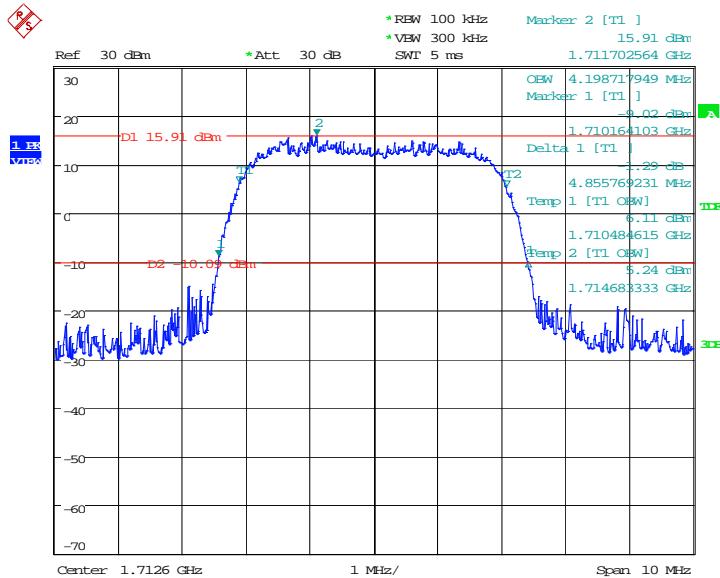
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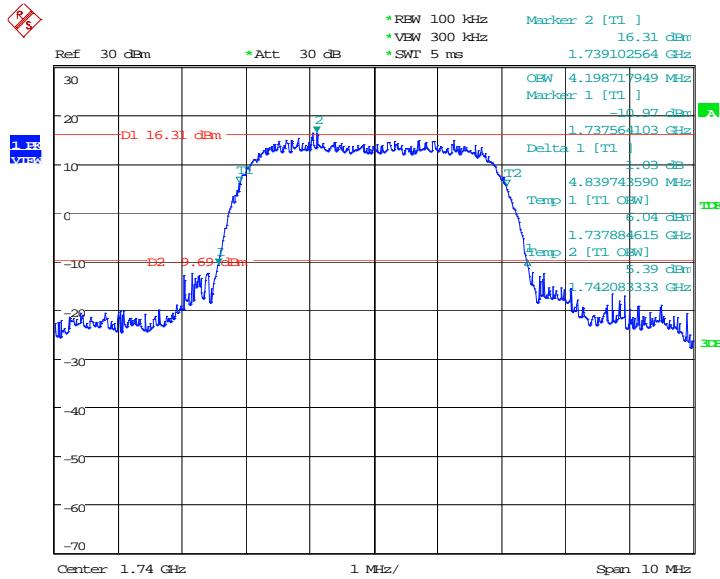
Date: 12.SEP.2016 18:46:14

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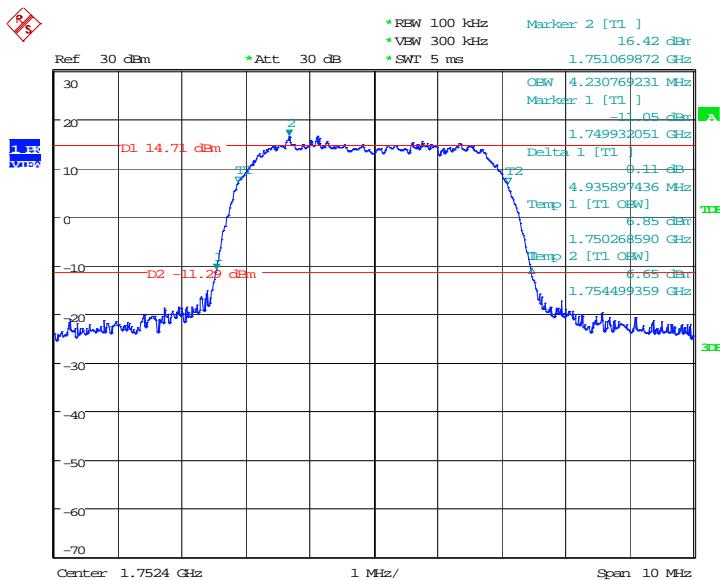
Date: 12.SEP.2016 18:19:20

Report No.: FCC16083918-5

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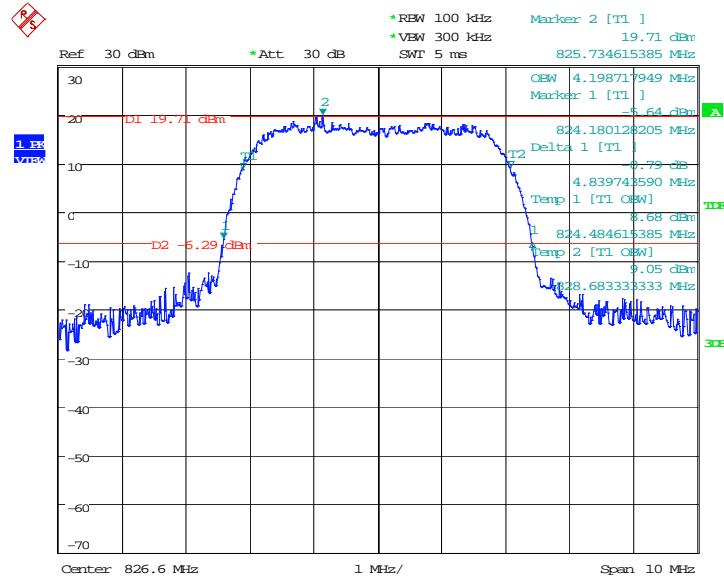
Date: 12.SEP.2016 18:11:12

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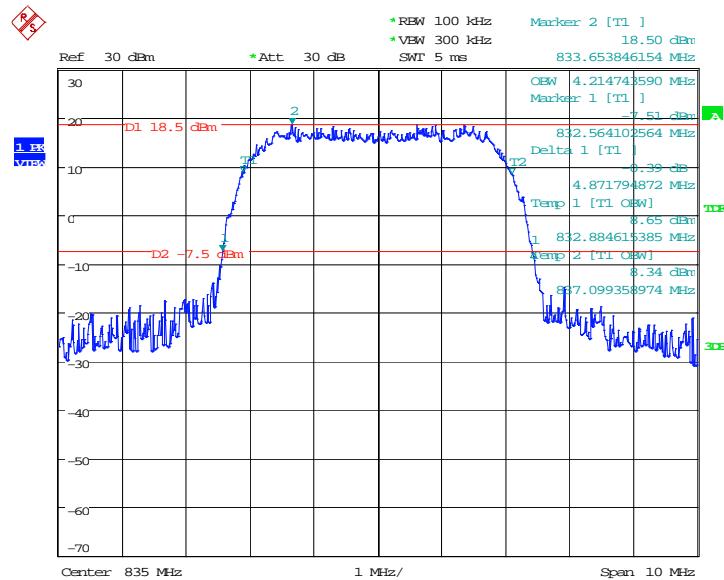
Date: 12.SEP.2016 18:07:58

Report No.: FCC16083918-5

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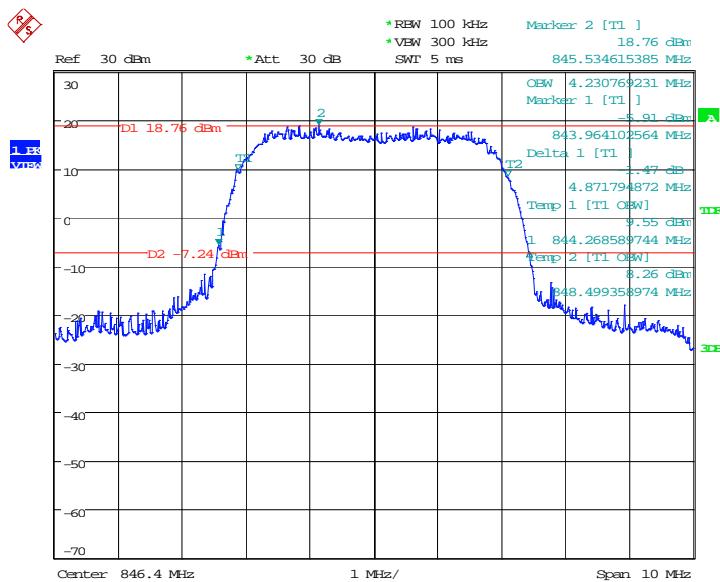
Date: 12.SEP.2016 18:59:41

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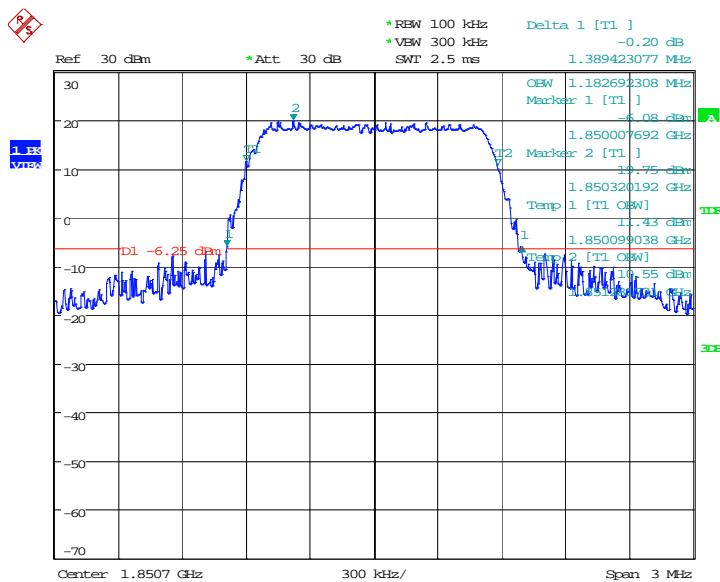
Date: 12.SEP.2016 19:02:57

Report No.: FCC16083918-5
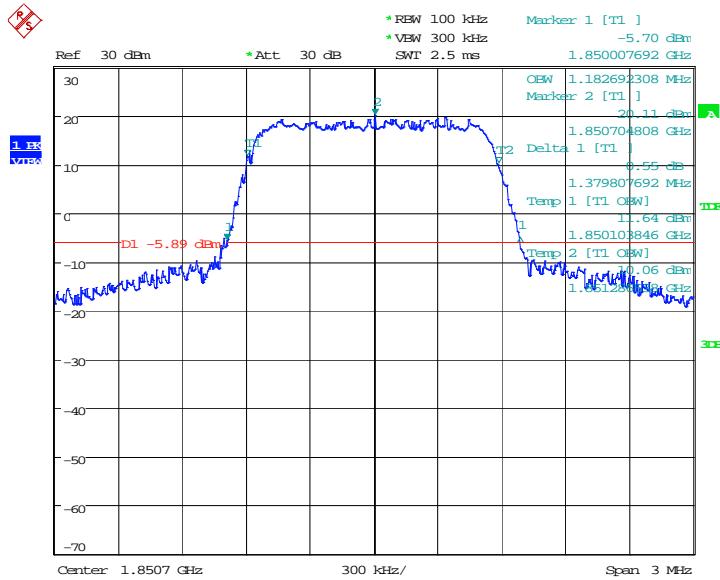
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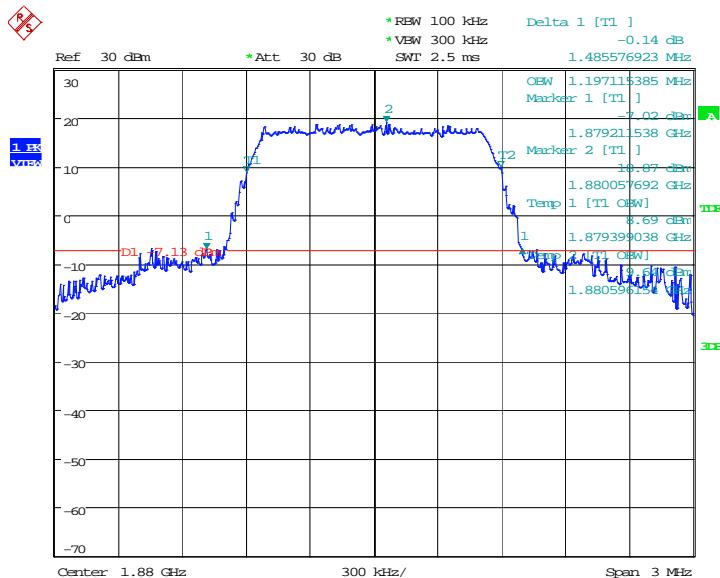
E-UTRA BANDS

BAND 2@Bandwidth

BW1.4MHz-1850.7MHz,QPSK-6RB_LOW
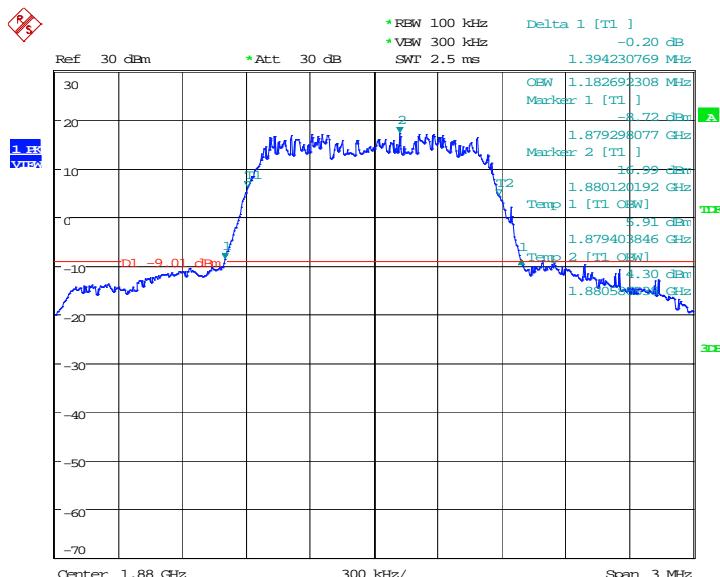
Date: 22.SEP.2016 09:48:01

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

Date: 22.SEP.2016 09:49:54

Report No.: FCC16083918-5
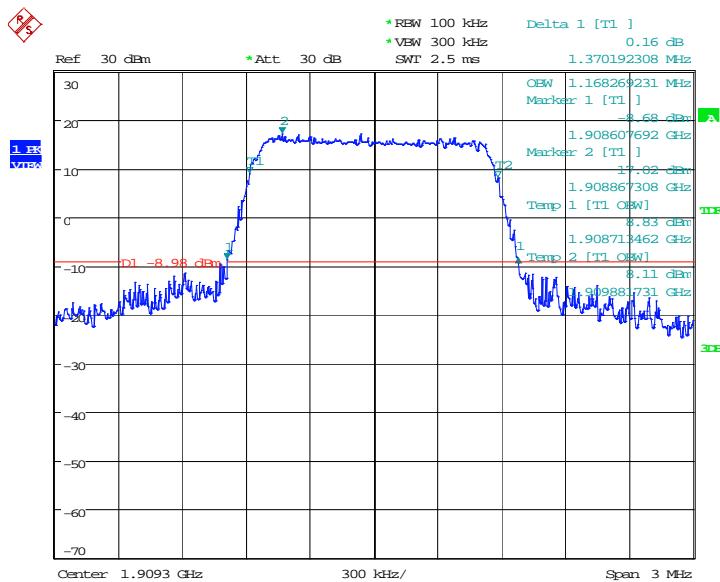
BW1.4MHz-1880MHz,QPSK-6RB_LOW

Date: 22.SEP.2016 09:52:21

BW1.4MHz-1880MHz,Q16-6RB_LOW
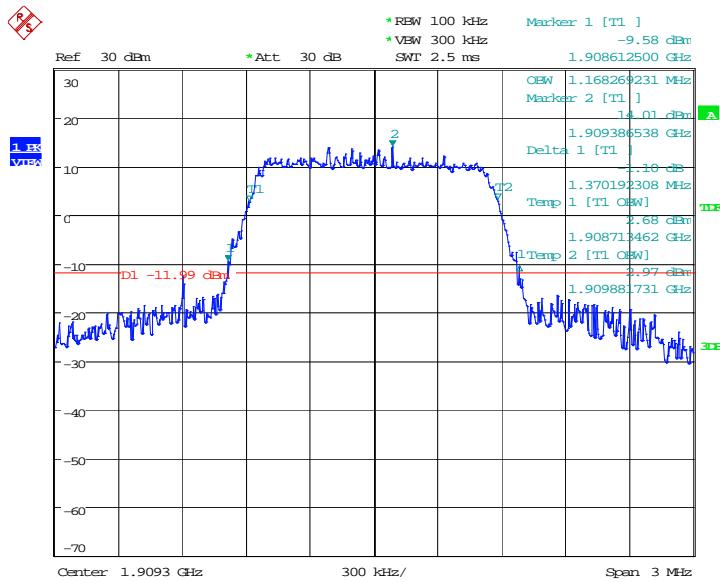
Date: 22.SEP.2016 10:03:42

BW1.4MHz-1909.3MHz,QPSK-6RB_LOW
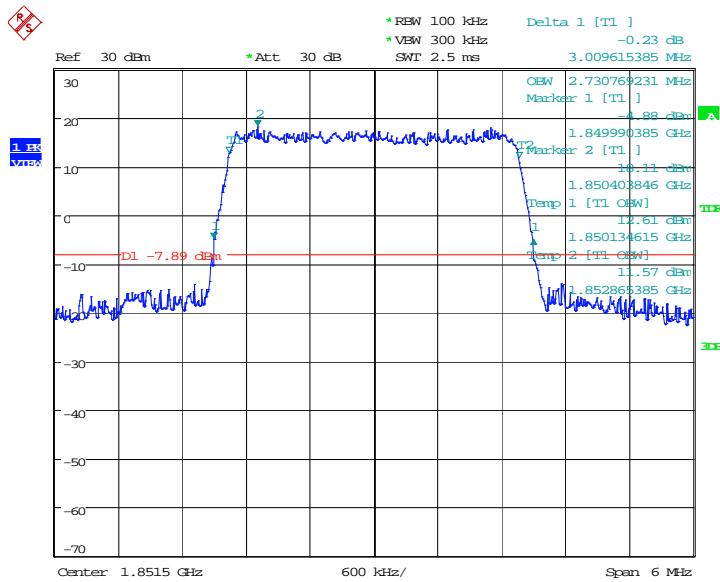
Date: 22.SEP.2016 09:57:58

BW1.4MHz-1909.3MHz,Q16-6RB_LOW
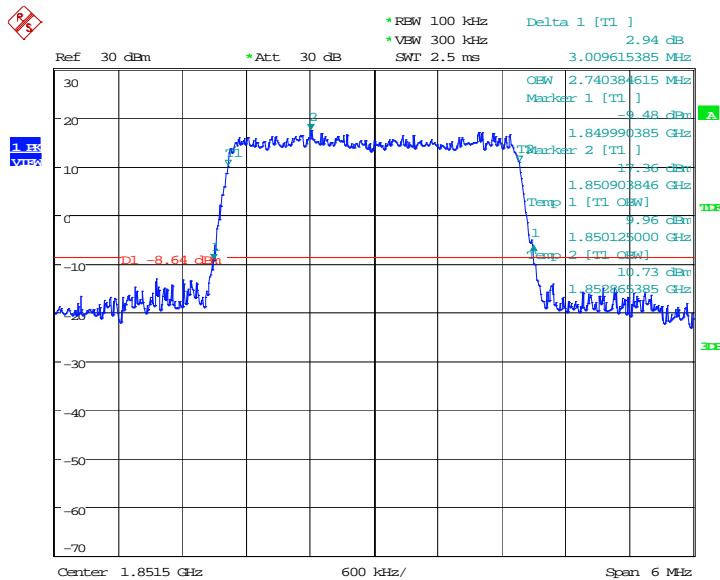
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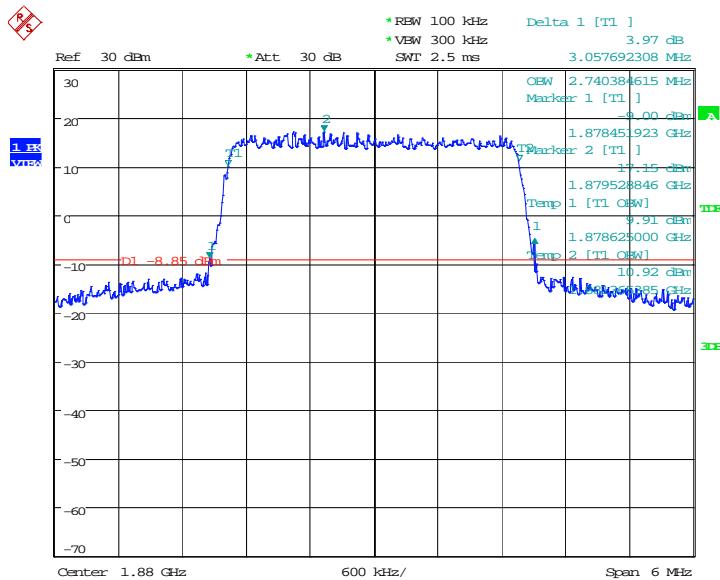
BW3MHz-1851.5MHz,QPSK-15RB_LOW
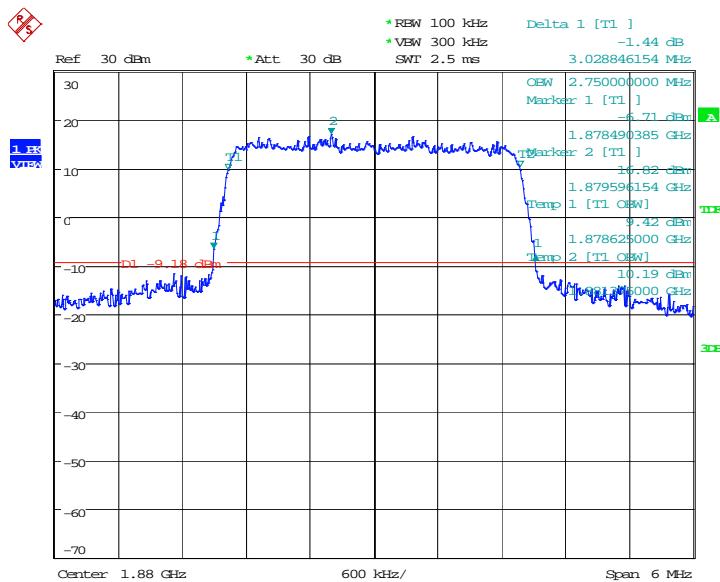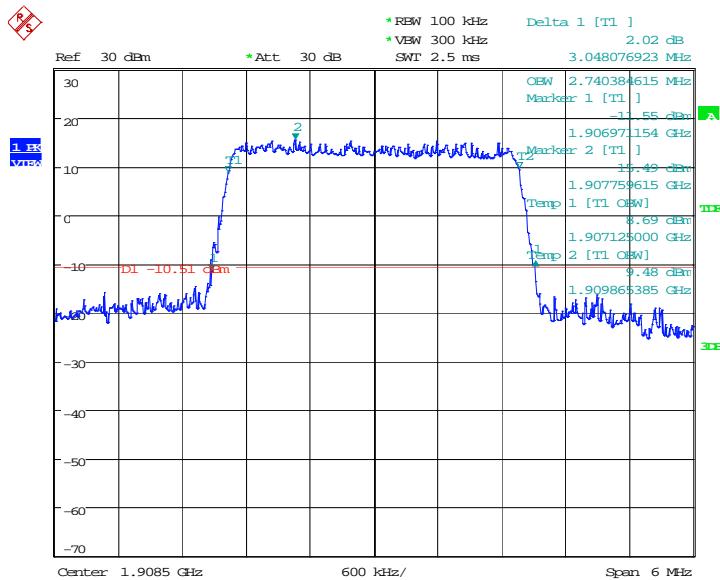
Date: 22.SEP.2016 10:26:45

BW3MHz-1851.5MHz,Q16-15RB_LOW

Date: 22.SEP.2016 10:30:22

Report No.: FCC16083918-5

BW3MHz-1880MHz,QPSK-15RB_LOW

Date: 22.SEP.2016 10:34:18

BW3MHz-1880MHz,Q16-15RB_LOW

Date: 22.SEP.2016 10:37:15

Report No.: FCC16083918-5
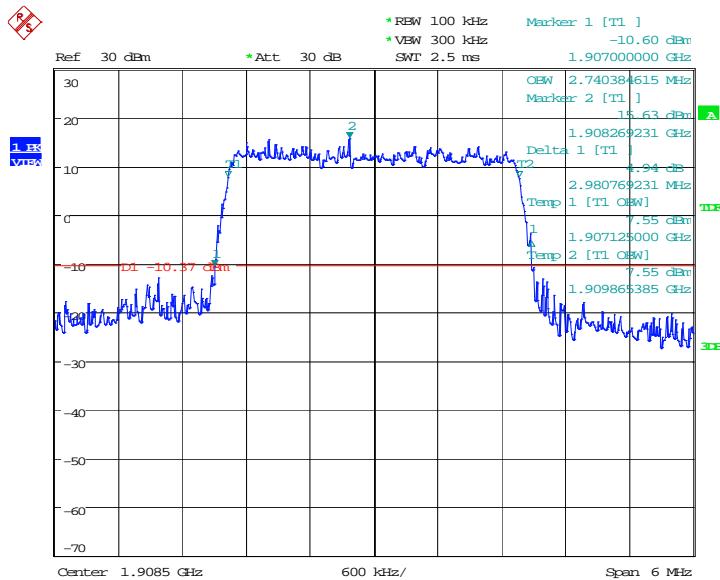
BW3MHz-1908.5MHz,QPSK-15RB_LOW
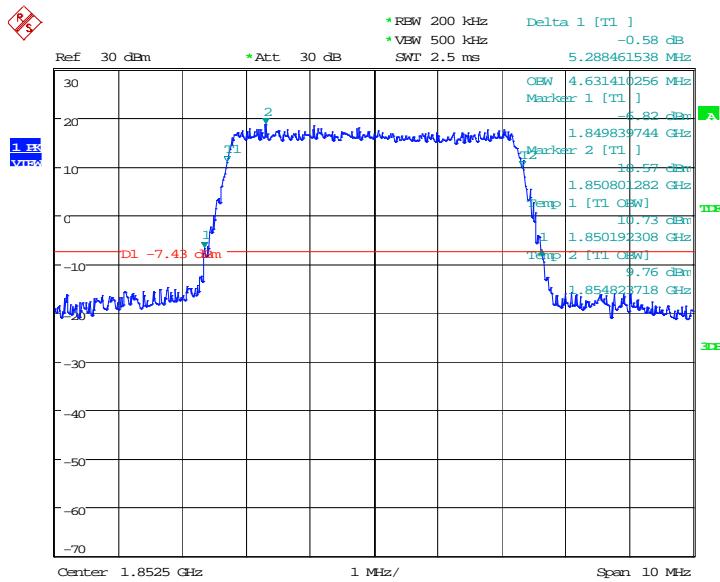
Date: 22.SEP.2016 10:39:07

BW3MHz-1908.5MHz,Q16-15RB_LOW
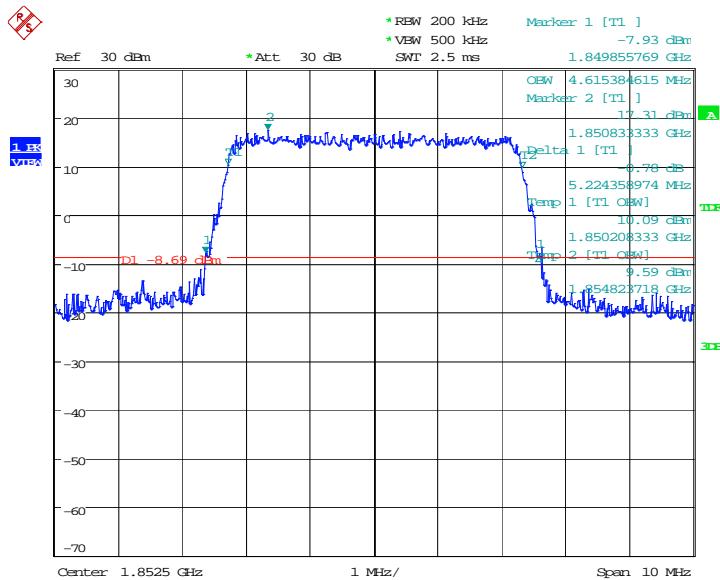
Date: 22.SEP.2016 10:43:31

Report No.: FCC16083918-5

BW5MHz-1852.5MHz,QPSK-25RB_LOW
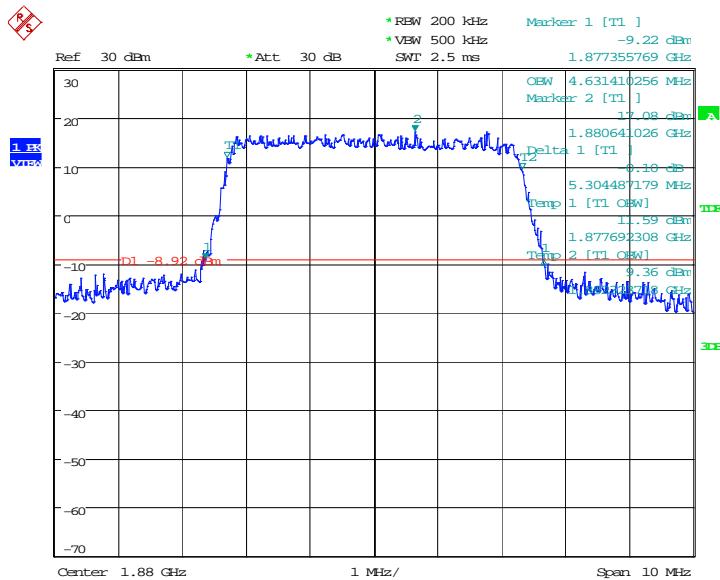
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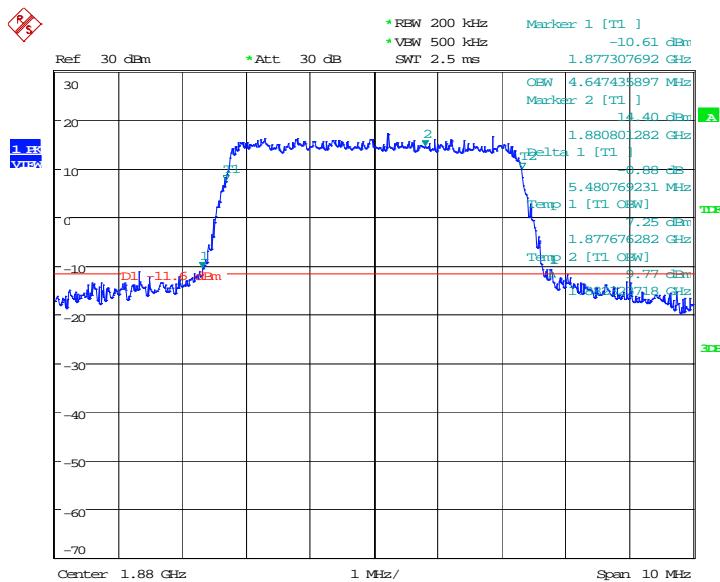
BW5MHz-1852.5MHz,Q16-25RB_LOW

Date: 22.SEP.2016 10:49:45
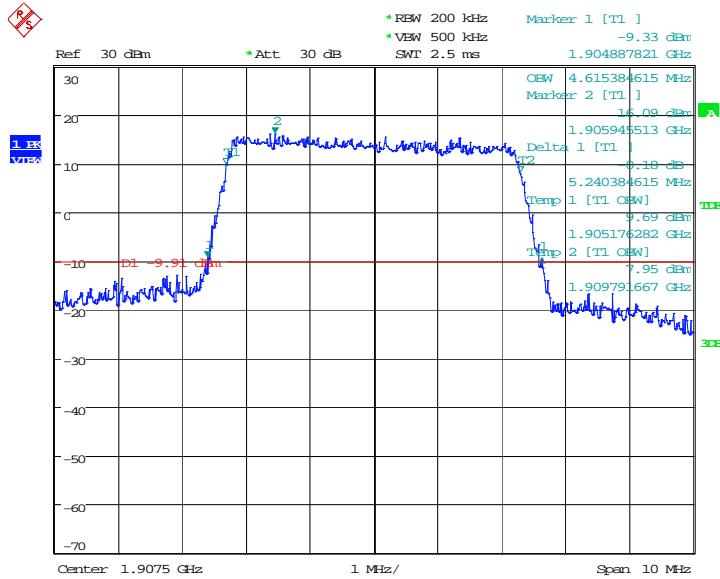
BW5MHz-1880MHz,QPSK-25RB_LOW

Date: 22.SEP.2016 10:53:59

BW5MHz-1880MHz,Q16-25RB_LOW
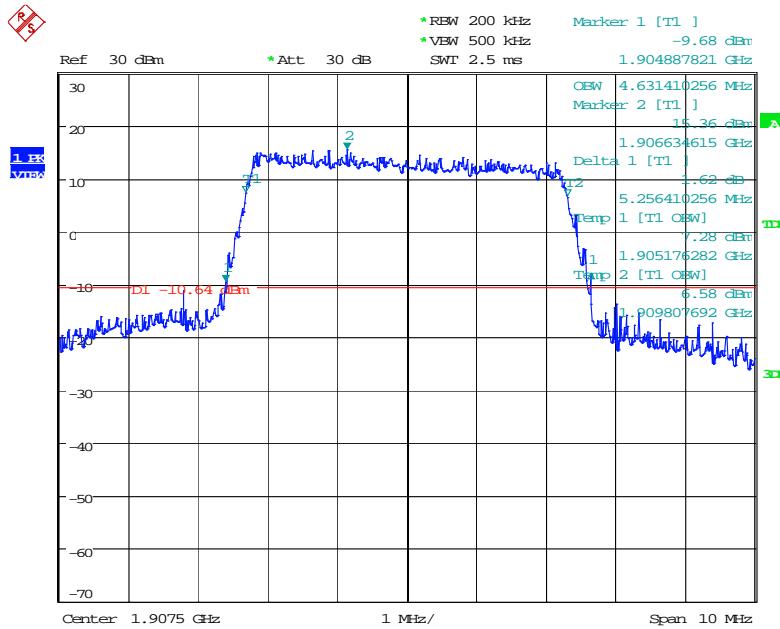
Date: 22.SEP.2016 10:57:31

BW5MHz-1907.5MHz,QPSK-25RB_LOW

Ref 30 dBm   *Att 30 dB   SWT 2.5 ms

* RBW 200 kHz
* VBW 500 kHz

Marker 1 [T1]
  -9.33 dBm
1.904887821 GHz
OBW 4.615384615 MHz
Marker 2 [T1]
16.09 dBm
1.905945513 GHz
Delta 1 [T1]
0.18 dB
5.240384615 MHz
Temp 1 [T1 OBW]
9.69 dBm
1.905176282 GHz
Temp 2 [T1 OBW]
7.95 dBm
1.909791667 GHz

D1 -9.91 dBm

Center 1.9075 GHz   1 MHz/   Span 10 MHz
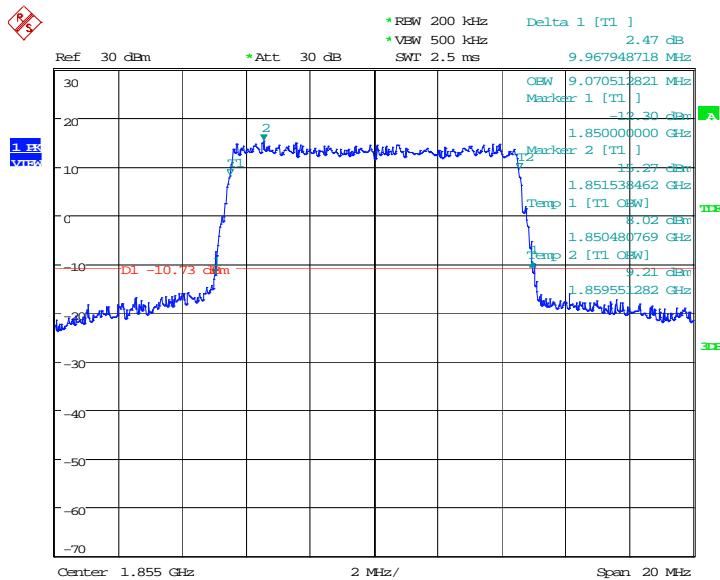
Date: 22.SEP.2016 11:01:19

BW5MHz-1907.5MHz,Q16-25RB_LOW

Ref 30 dBm   *Att 30 dB   SWT 2.5 ms

* RBW 200 kHz
* VBW 500 kHz

Marker 1 [T1]
-9.68 dBm
1.904887821 GHz
OBW 4.631410256 MHz
Marker 2 [T1]
15.36 dBm
1.906634615 GHz
Delta 1 [T1]
3.62 dB
5.256410256 MHz
Temp 1 [T1 OBW]
7.28 dBm
1.905176282 GHz
Temp 2 [T1 OBW]
6.58 dBm
1.909807692 GHz

D1 -10.64 dBm

Center 1.9075 GHz   1 MHz/   Span 10 MHz

Date: 22.SEP.2016 11:02:31

Report No.: FCC16083918-5

BW10MHz-1855MHz,QPSK-50RB_LOW

```
                                    *RBW 200 kHz      Delta 1 [T1 ]
                                    *VBW 500 kHz                 2.47 dB
       Ref  30 dBm       *Att  30 dB    SWT 2.5 ms      9.967948718 MHz
                                              OBW 9.070512821 MHz
    30                                        Marker 1 [T1 ]
                                                        -12.30 dBm
    20                                          1.850000000 GHz
1 PK                                          Marker 2 [T1 ]
VIEW                                                    15.27 dBm
    10                                          1.851538462 GHz
                                              Temp 1 [T1 OBW]
     0                                                  8.02 dBm
                                                1.850480769 GHz
   -10                                        Temp 2 [T1 OBW]
       D1 -10.73 dBm                                    9.21 dBm
                                                1.859551282 GHz
   -20

   -30

   -40

   -50

   -60

   -70
       Center  1.855 GHz           2 MHz/              Span  20 MHz
```

Date: 22.SEP.2016 13:57:07

BW10MHz-1855MHz,Q16-50RB_LOW

```
                                    *RBW 200 kHz      Delta 1 [T1 ]
                                    *VBW 500 kHz                -1.28 dB
       Ref  30 dBm       *Att  30 dB    SWT 2.5 ms      9.967948718 MHz
                                              OBW 9.070512821 MHz
    30                                        Marker 1 [T1 ]
                                                         -9.35 dBm
    20                                          1.850000000 GHz
1 PK                                          Marker 2 [T1 ]
VIEW                                                    14.02 dBm
    10                                          1.855288462 GHz
                                              Temp 1 [T1 OBW]
     0                                                  8.25 dBm
                                                1.850480769 GHz
   -10                                        Temp 2 [T1 OBW]
       D1 -10.73 dBm                                   10.99 dBm
                                                1.859551282 GHz
   -30

   -40

   -50

   -60

   -70
       Center  1.855 GHz           2 MHz/              Span  20 MHz
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Date: 22.SEP.2016 13:59:48

Report No.: FCC16083918-5
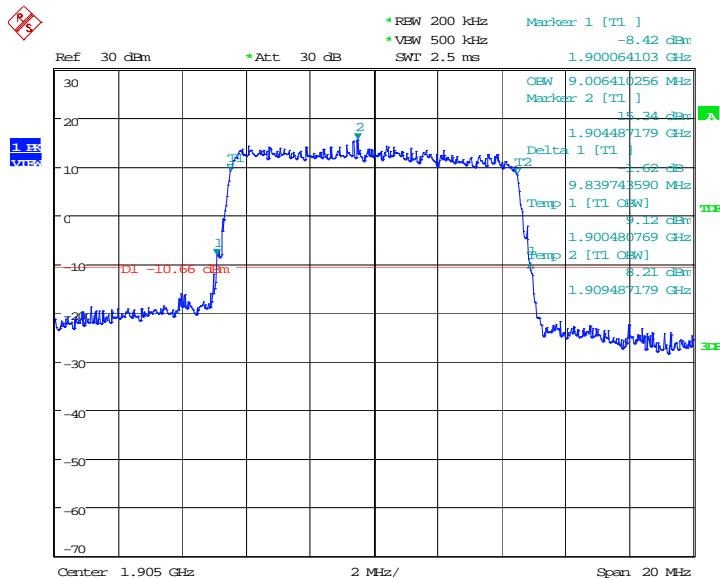
BW10MHz-1880MHz,QPSK-50RB_LOW

Date: 22.SEP.2016 14:02:22

BW10MHz-1880MHz,Q16-50RB_LOW
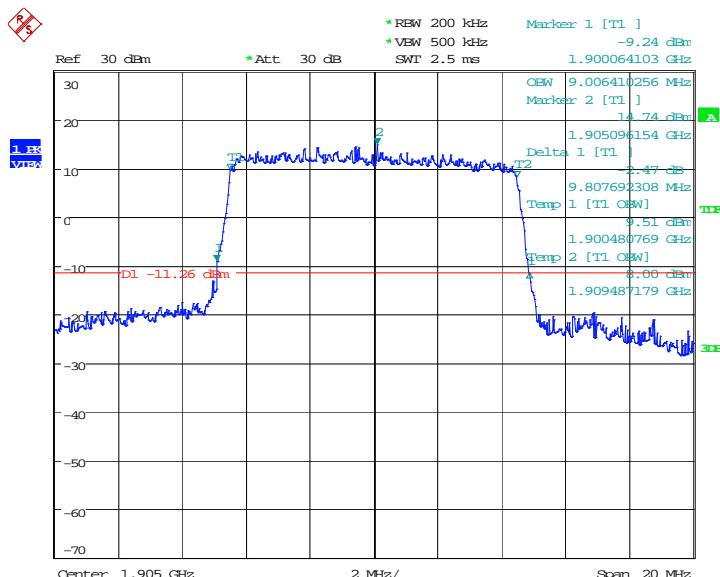
Date: 22.SEP.2016 14:05:22

Report No.: FCC16083918-5

BW10MHz-1905MHz,QPSK-50RB_LOW
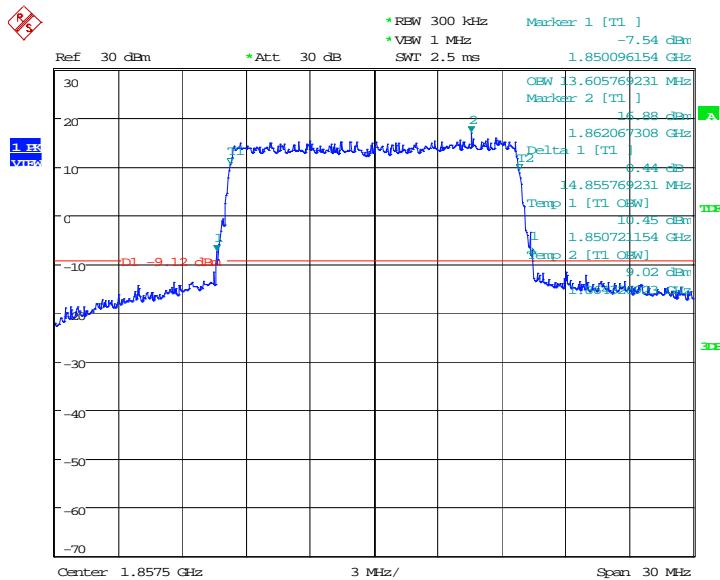
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BW10MHz-1905MHz,Q16-50RB_LOW
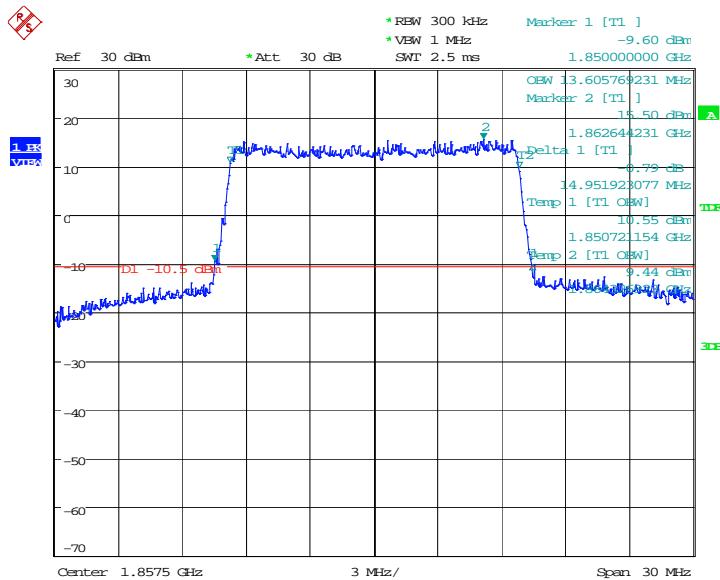
Date: 22.SEP.2016 14:10:05

Report No.: FCC16083918-5

BW15MHz-1857.5MHz,QPSK-75RB_LOW
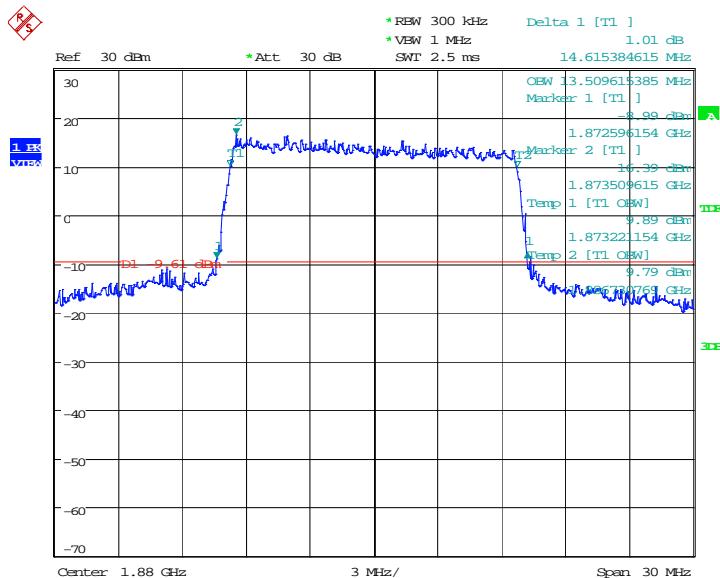
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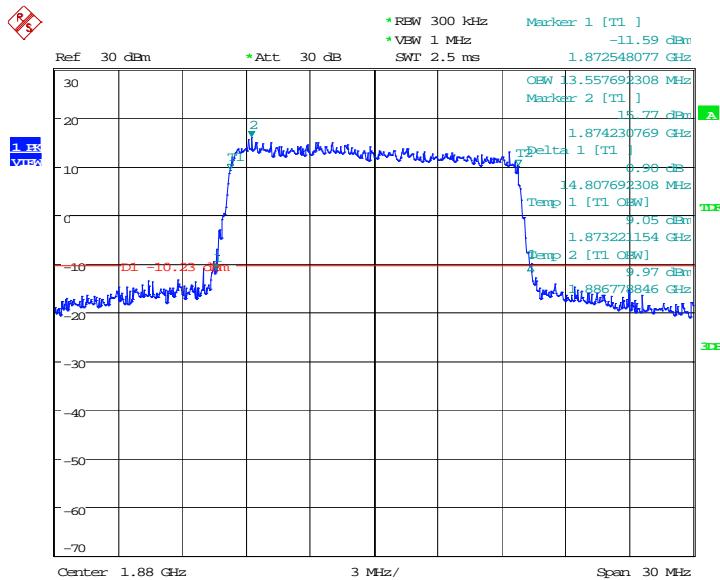
BW15MHz-1857.5MHz,Q16-75RB_LOW
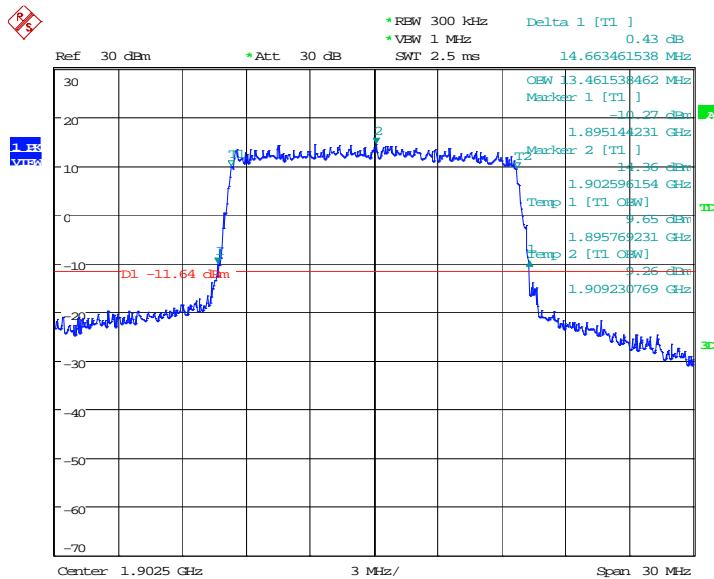
Date: 22.SEP.2016 14:18:50

Report No.: FCC16083918-5

BW15MHz-1880MHz,QPSK-75RB_LOW
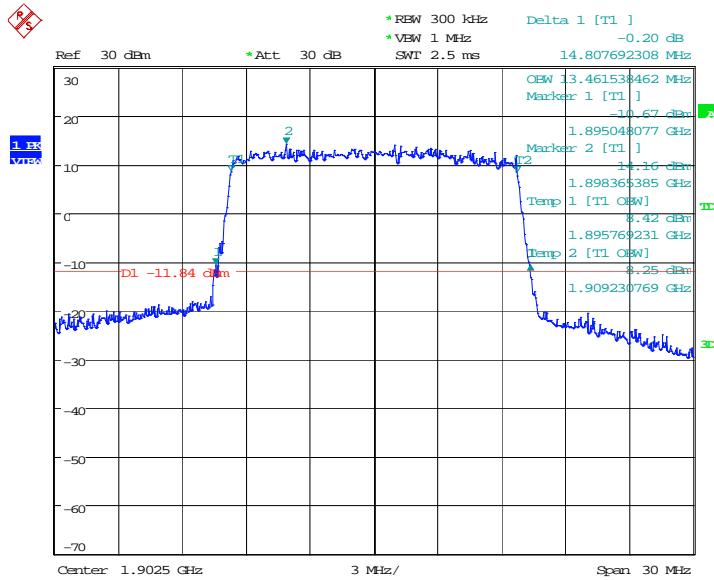
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BW15MHz-1880MHz,Q16-75RB_LOW

Date: 22.SEP.2016 14:29:44
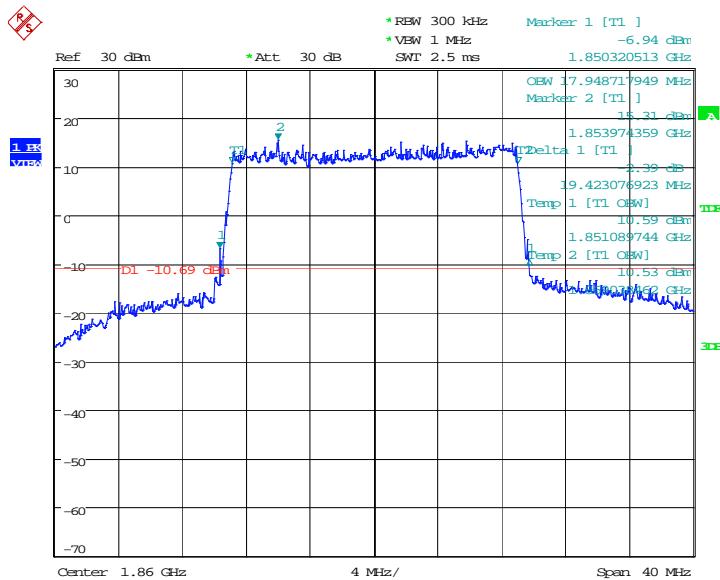
BW15MHz-1902.5MHz,QPSK-75RB_LOW

Date: 22.SEP.2016 14:25:30

BW15MHz-1902.5MHz,Q16-75RB_LOW
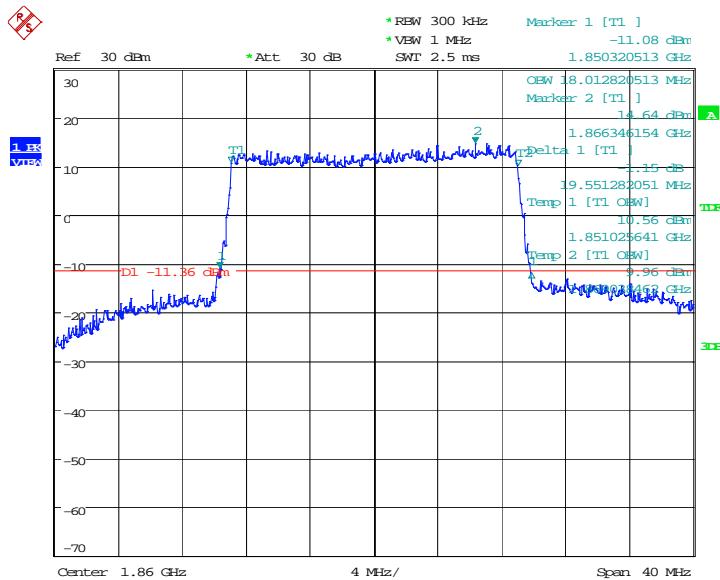
Date: 22.SEP.2016 14:28:03

Report No.: FCC16083918-5

BW20MHz-1860MHz,QPSK-100RB_LOW
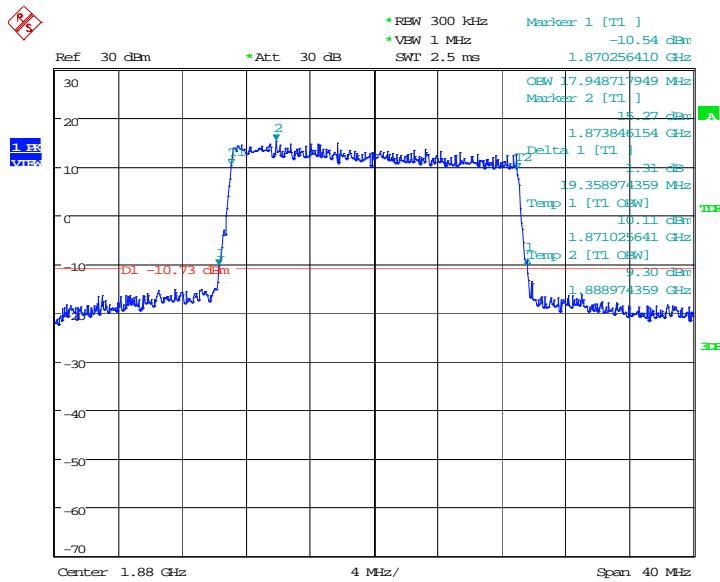
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BW20MHz-1860MHz,Q16-100RB_LOW
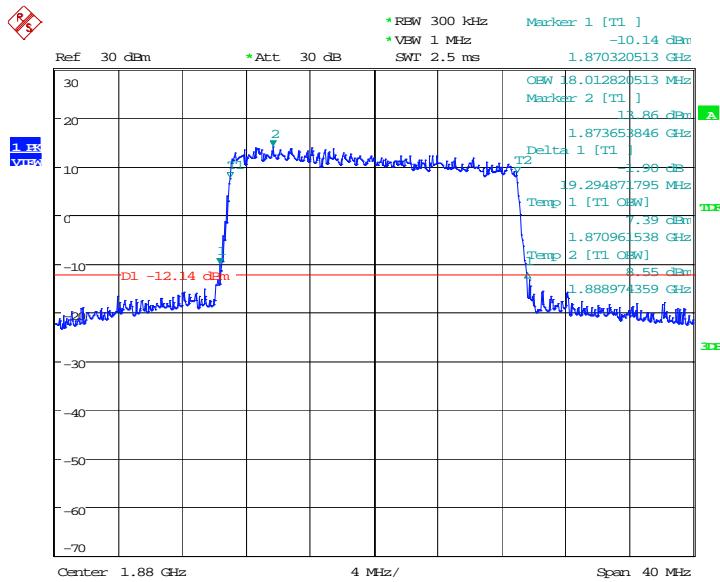
Date: 22.SEP.2016 14:35:09

Report No.: FCC16083918-5

BW20MHz-1880MHz,QPSK-100RB_LOW
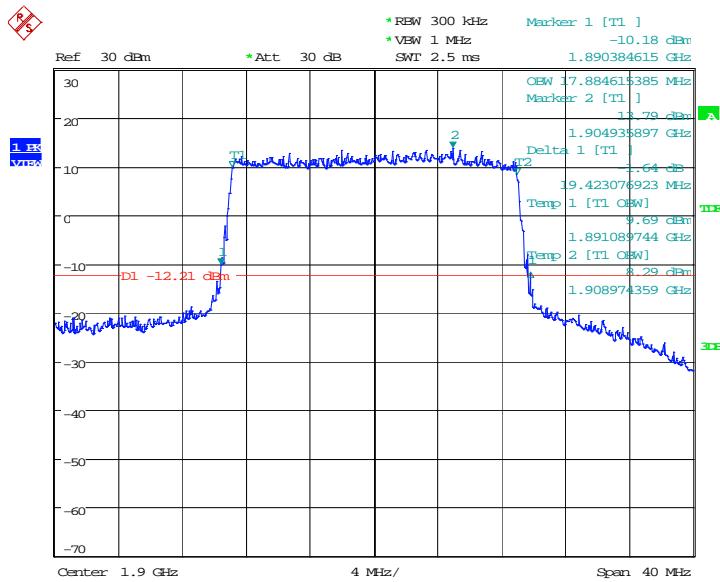
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BW20MHz-1880MHz,Q16-100RB_LOW
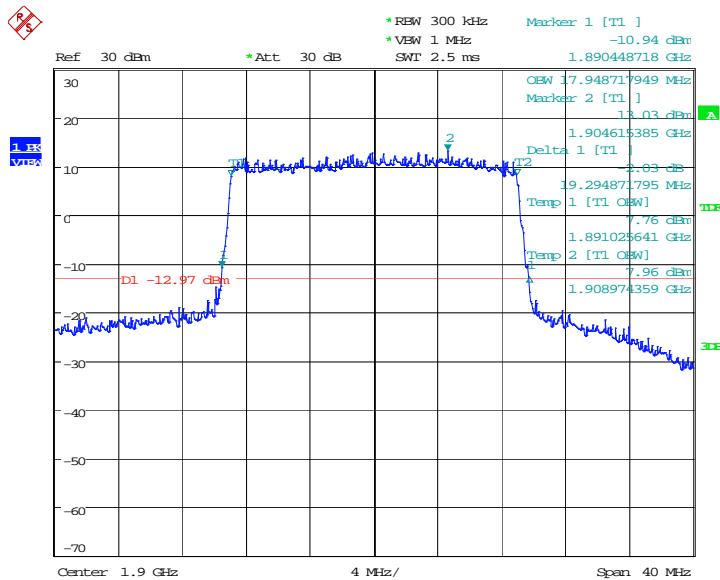
Date: 22.SEP.2016 14:39:56

Report No.: FCC16083918-5

BW20MHz-1900MHz,QPSK-100RB_LOW
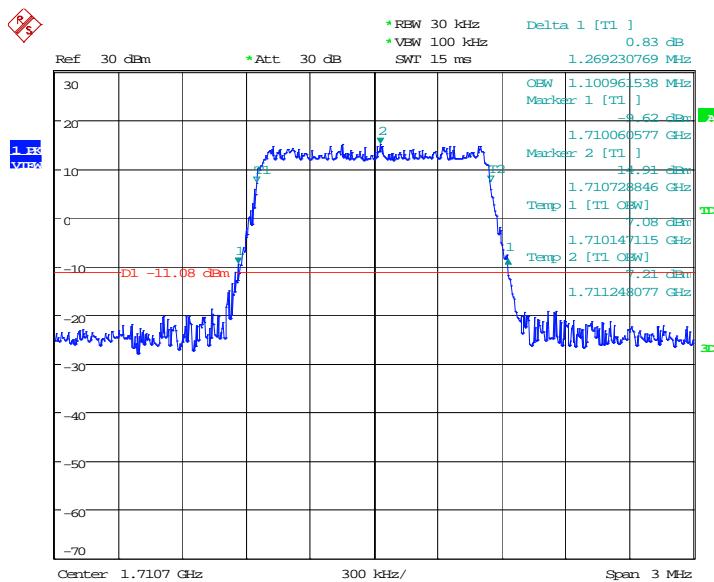
Date: 22.SEP.2016 14:41:55
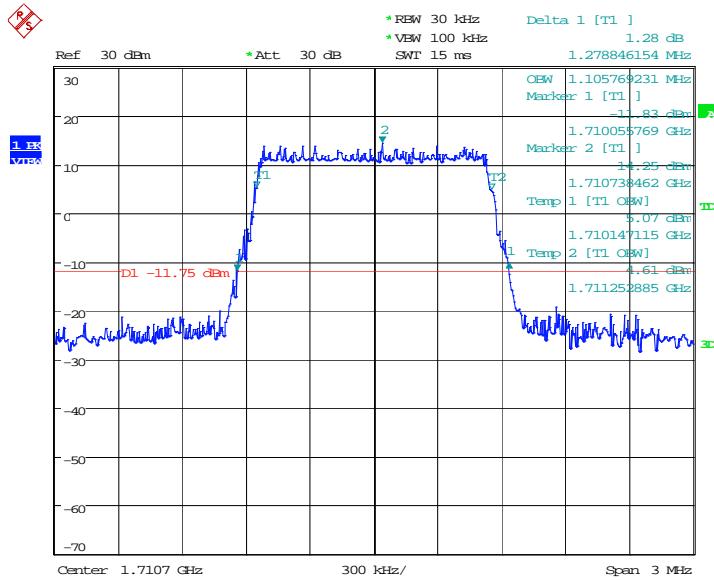
BW20MHz-1900MHz,Q16-100RB_LOW
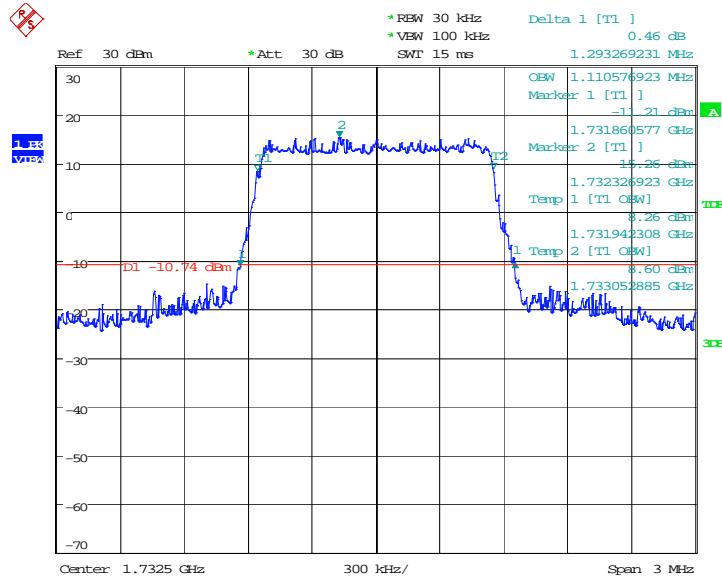
Date: 22.SEP.2016 14:43:43

Report No.: FCC16083918-5

BAND 4@Bandwidth

BW1.4MHz-1710.7MHz,QPSK-6RB_LOW
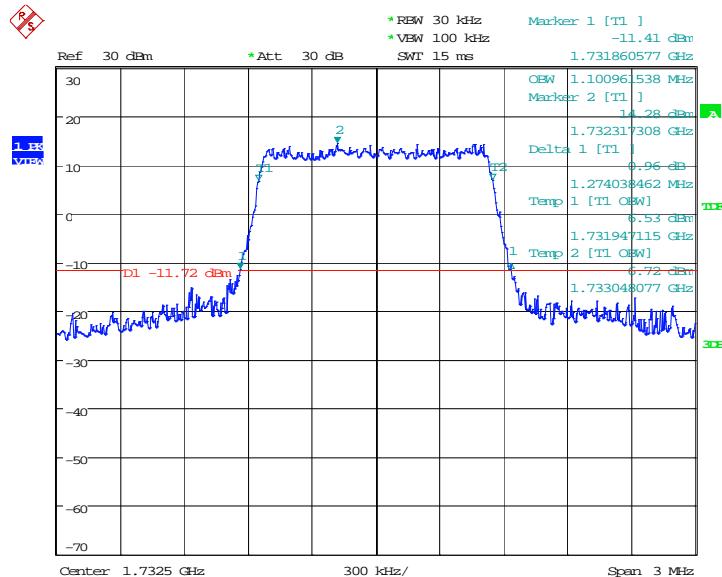
Date: 22.SEP.2016 16:26:36

BW1.4MHz-1710.7MHz,Q16-6RB_LOW

Date: 22.SEP.2016 16:27:41

Report No.: FCC16083918-5
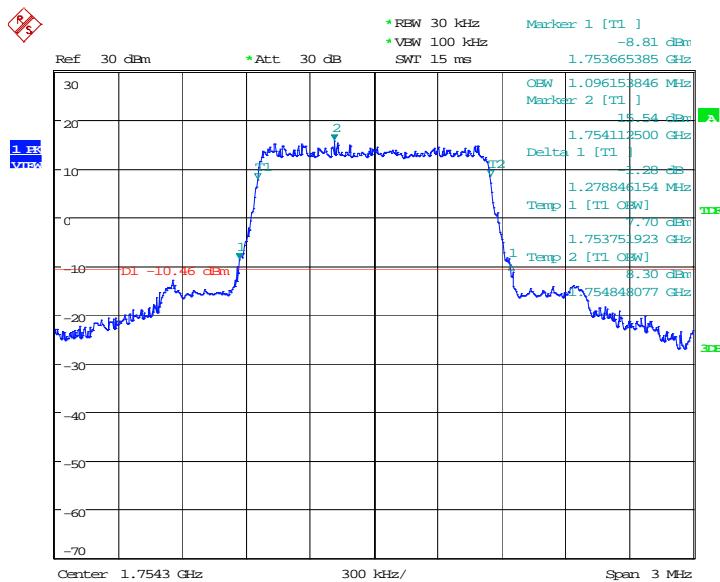
BW1.4MHz-1732.5MHz,QPSK-6RB_LOW

Date: 22.SEP.2016 16:28:54

BW1.4MHz-1732.5MHz,Q16-6RB_LOW
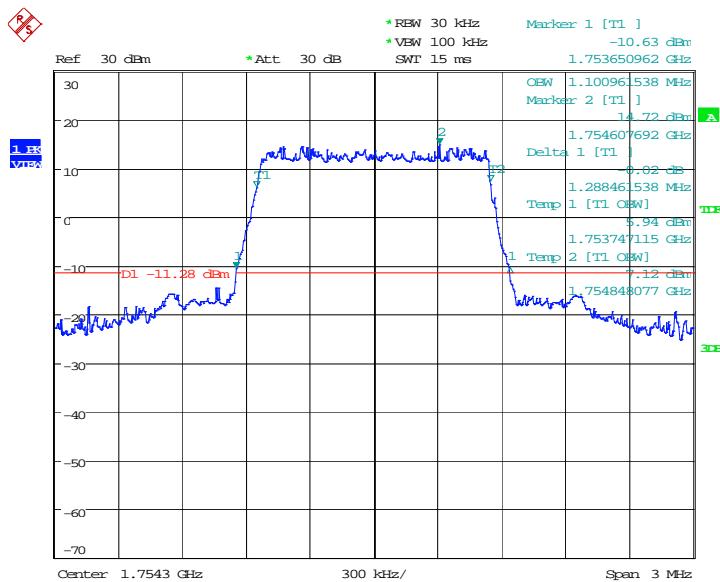
Date: 22.SEP.2016 16:29:50

BW1.4MHz-1754.3MHz,QPSK-6RB_LOW
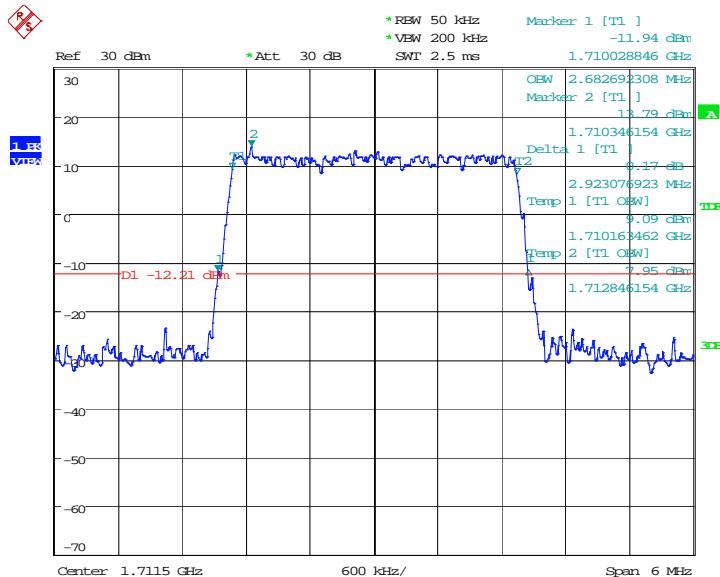
Date: 22.SEP.2016 16:31:03
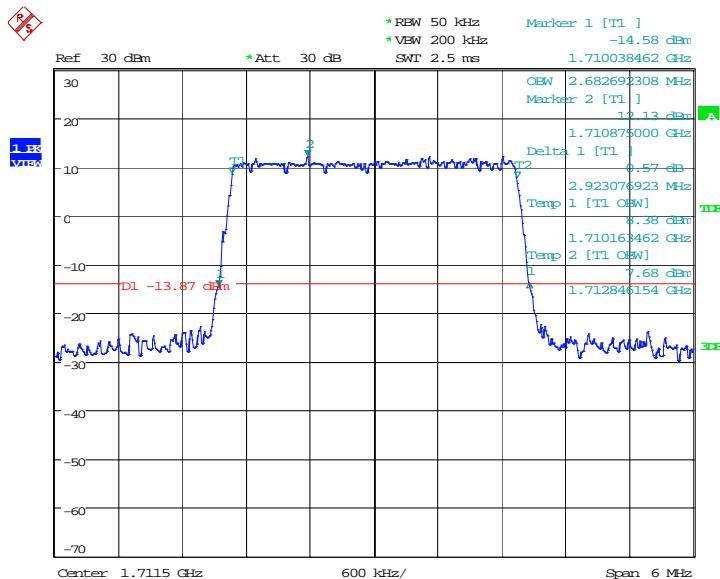
BW1.4MHz-1754.3MHz,Q16-6RB_LOW

Date: 22.SEP.2016 16:32:12

Report No.: FCC16083918-5
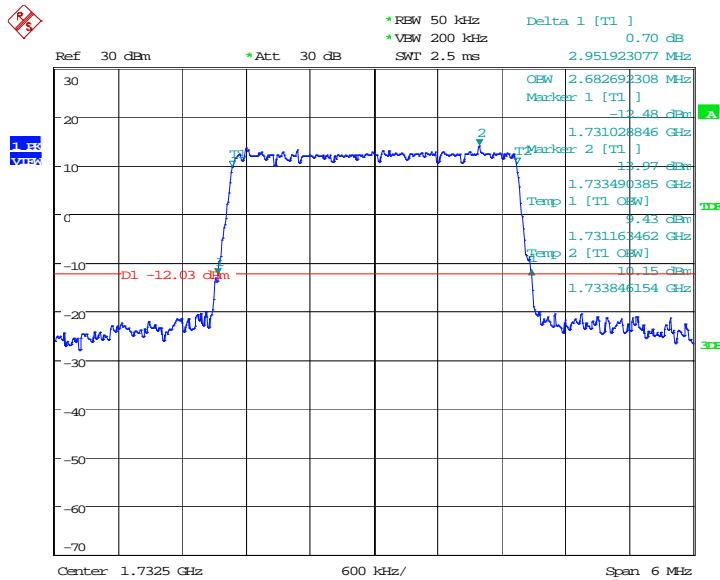
BW3MHz-1711.5MHz,QPSK-15RB_LOW

Date: 22.SEP.2016 16:33:53

BW3MHz-1711.5MHz,Q16-15RB_LOW
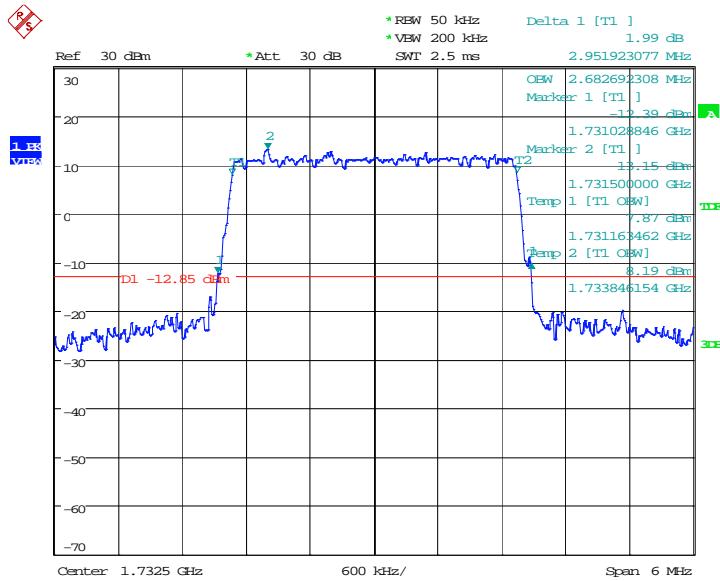
Date: 22.SEP.2016 16:35:19

Report No.: FCC16083918-5

BW3MHz-1732.5MHz,QPSK-15RB_LOW
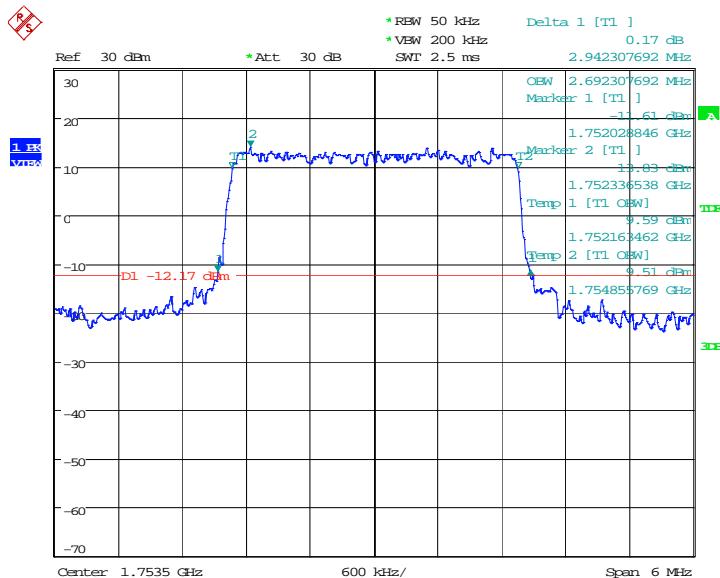
Date: 22.SEP.2016 16:36:34

BW3MHz-1732.5MHz,Q16-15RB_LOW
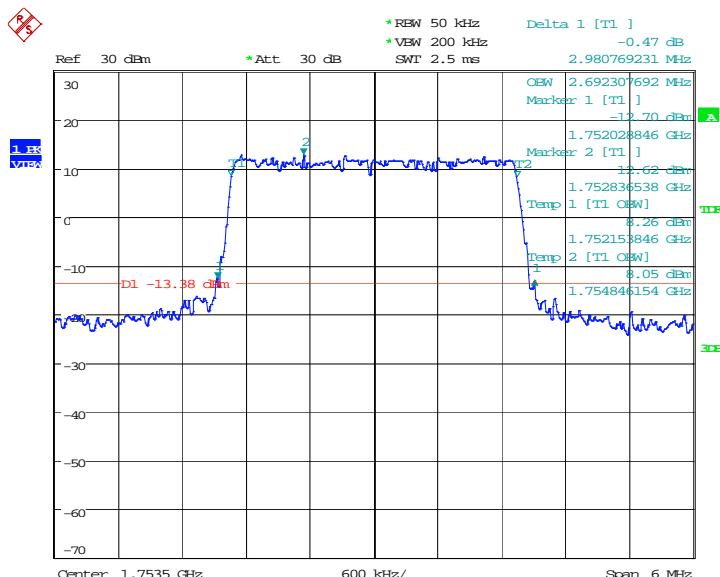
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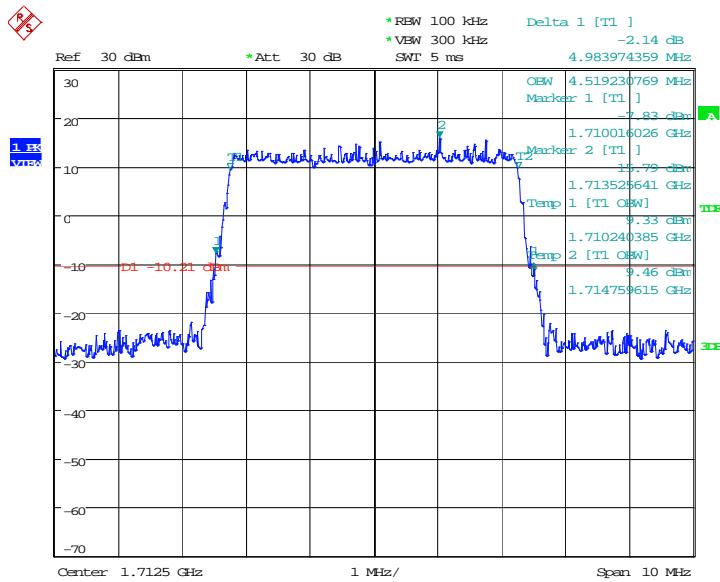
Report No.: FCC16083918-5

BW3MHz-1753.5MHz,QPSK-15RB_LOW

Date: 22.SEP.2016 16:38:45

BW3MHz-1753.5MHz,Q16-15RB_LOW

Date: 22.SEP.2016 16:39:53

Report No.: FCC16083918-5
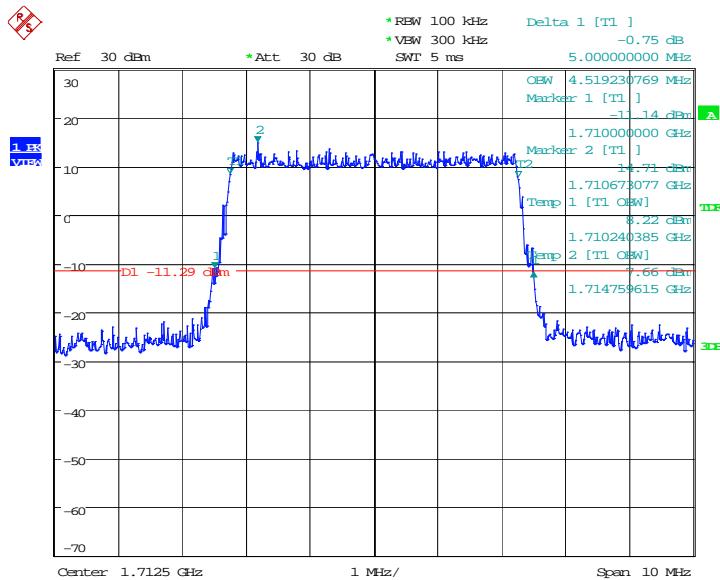
BW5MHz-1712.5MHz,QPSK-25RB_LOW
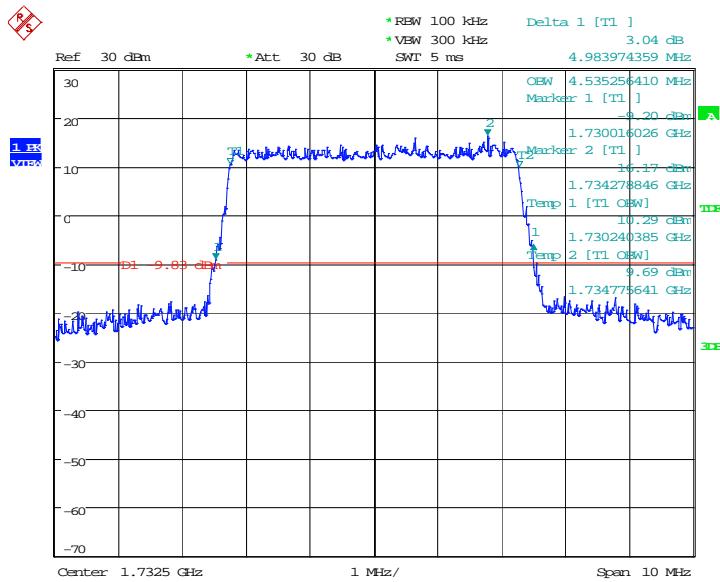
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BW5MHz-1712.5MHz,Q16-25RB_LOW
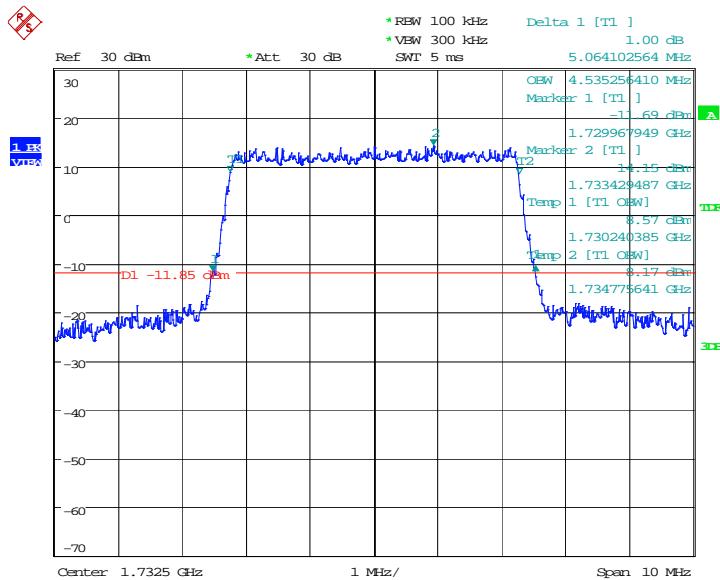
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Report No.: FCC16083918-5

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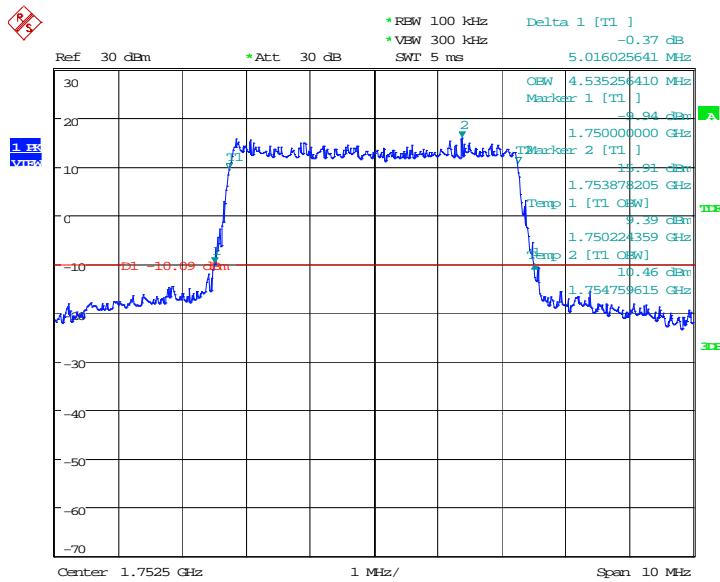
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BW5MHz-1732.5MHz,Q16-25RB_LOW
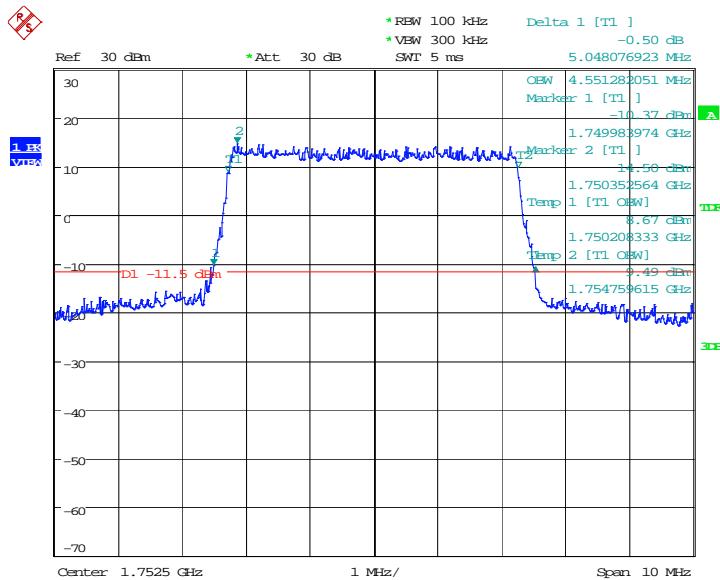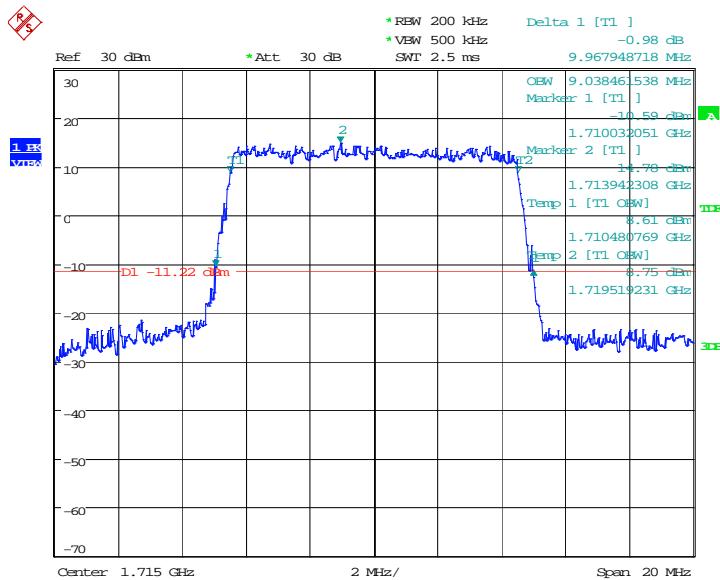
Date: 22.SEP.2016 16:46:06

Report No.: FCC16083918-5

BW5MHz-1752.5MHz,QPSK-25RB_LOW

Date: 22.SEP.2016 16:47:25

BW5MHz-1752.5MHz,Q16-25RB_LOW

Date: 22.SEP.2016 16:48:33

Report No.: FCC16083918-5
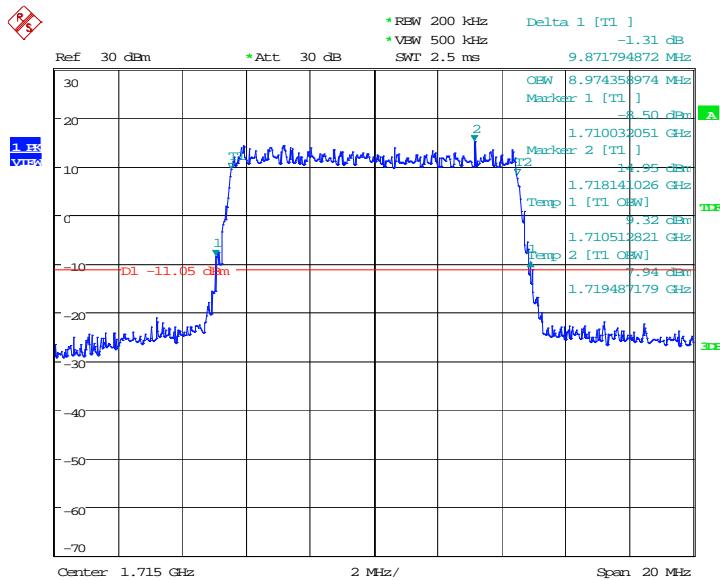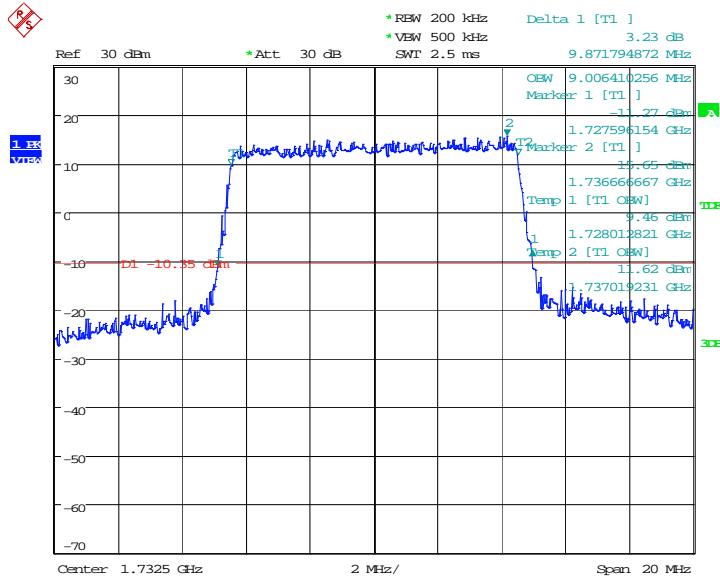
BW10MHz-1715MHz,QPSK-50RB_LOW
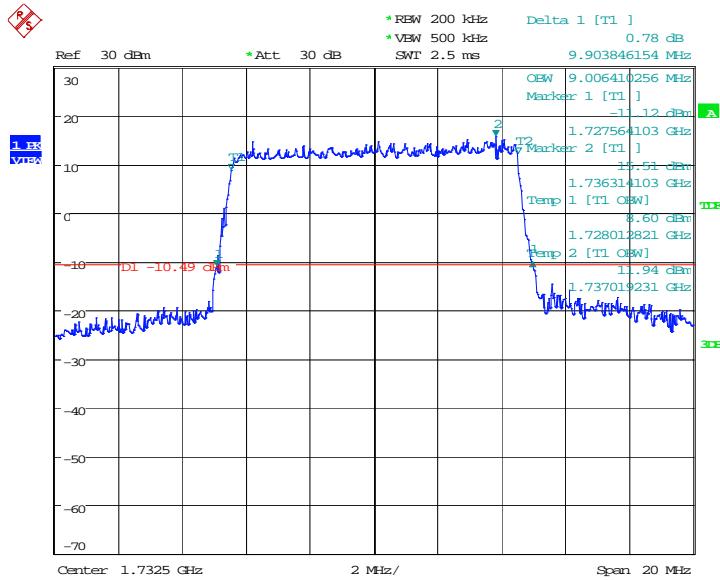
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BW10MHz-1715MHz,Q16-50RB_LOW

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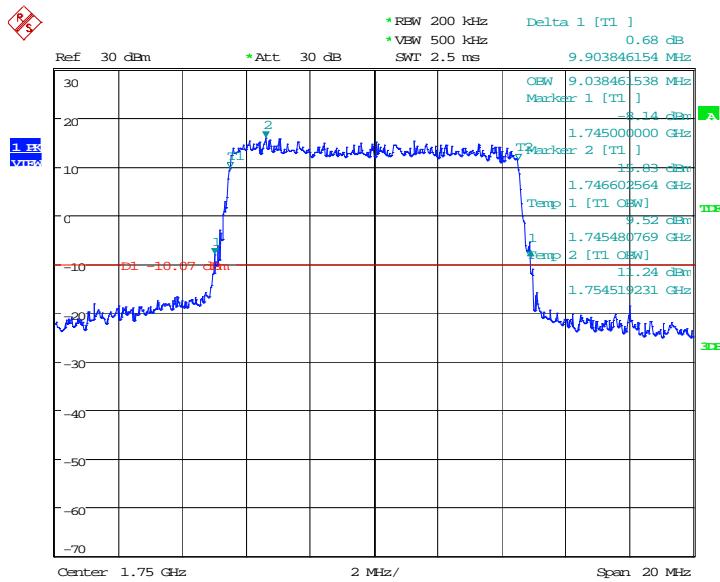
BW10MHz-1732.5MHz,QPSK-50RB_LOW

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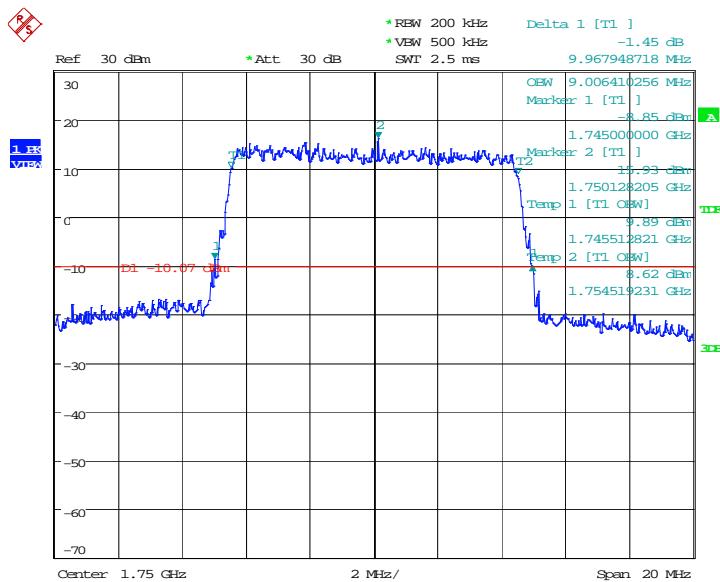
BW10MHz-1732.5MHz,Q16-50RB_LOW
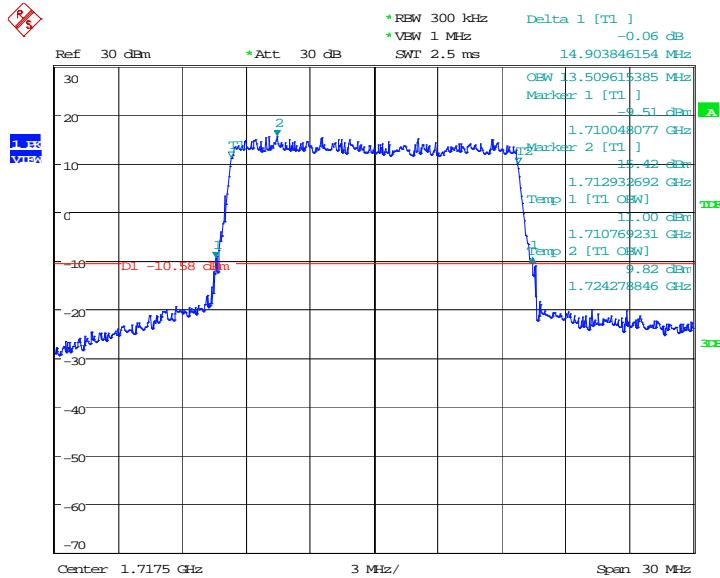
Date: 22.SEP.2016 16:53:49

Report No.: FCC16083918-5

BW10MHz-1750MHz,QPSK-50RB_LOW

Date: 22.SEP.2016 16:55:12

BW10MHz-1750MHz,Q16-50RB_LOW

Date: 22.SEP.2016 16:56:22

Report No.: FCC16083918-5
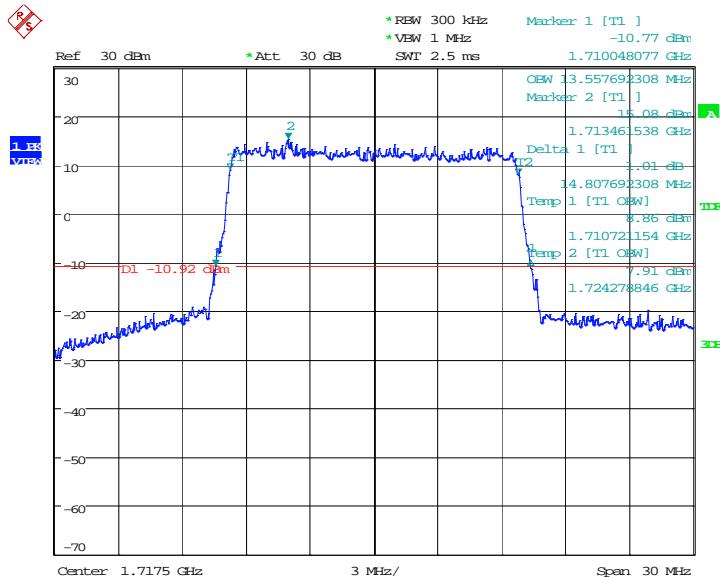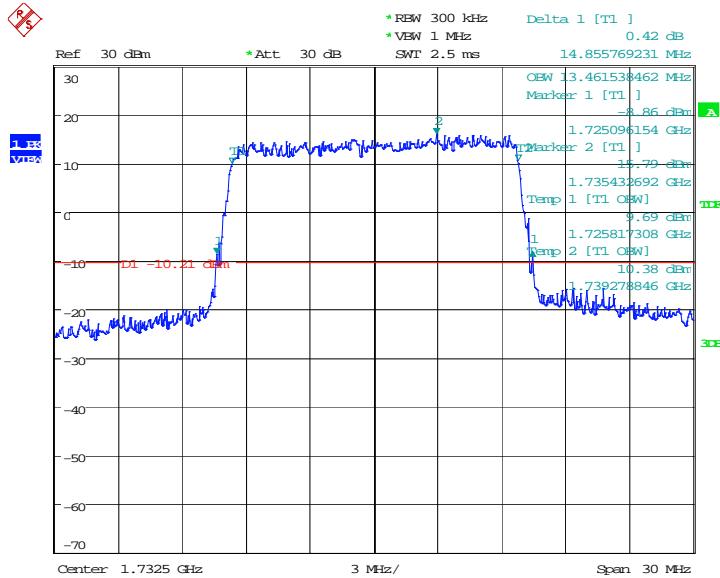
BW15MHz-1717.5MHz,QPSK-75RB_LOW
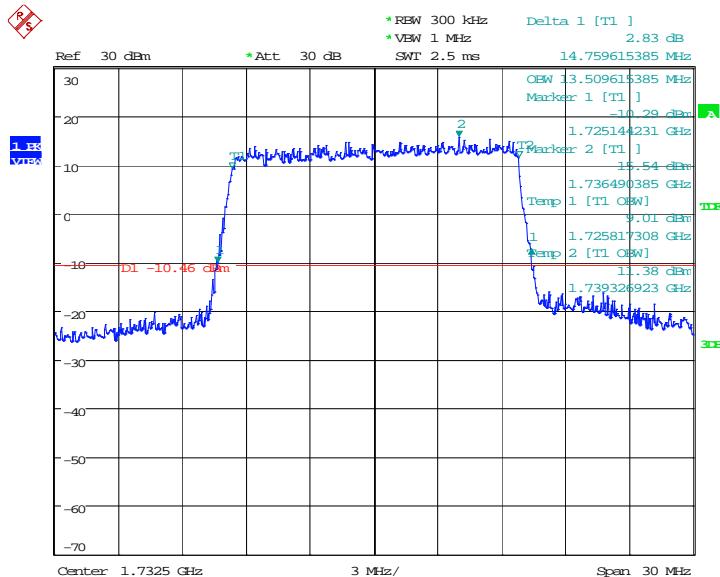
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BW15MHz-1717.5MHz,Q16-75RB_LOW
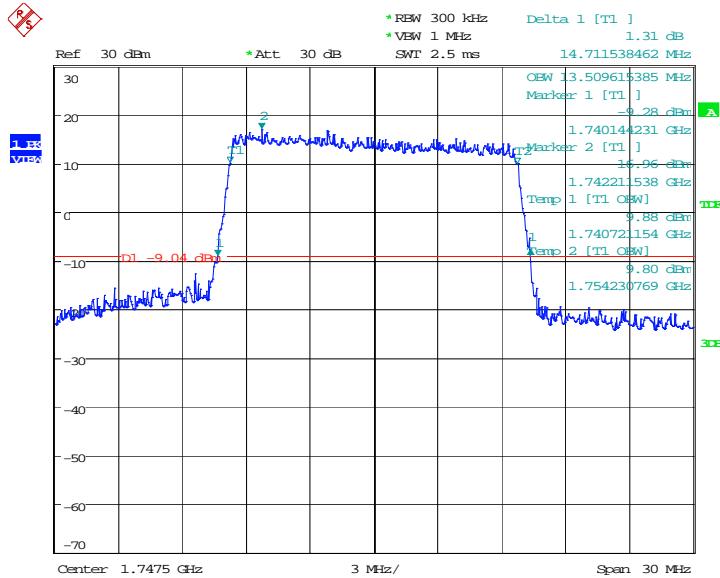
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Report No.: FCC16083918-5

BW15MHz-1732.5MHz,QPSK-75RB_LOW
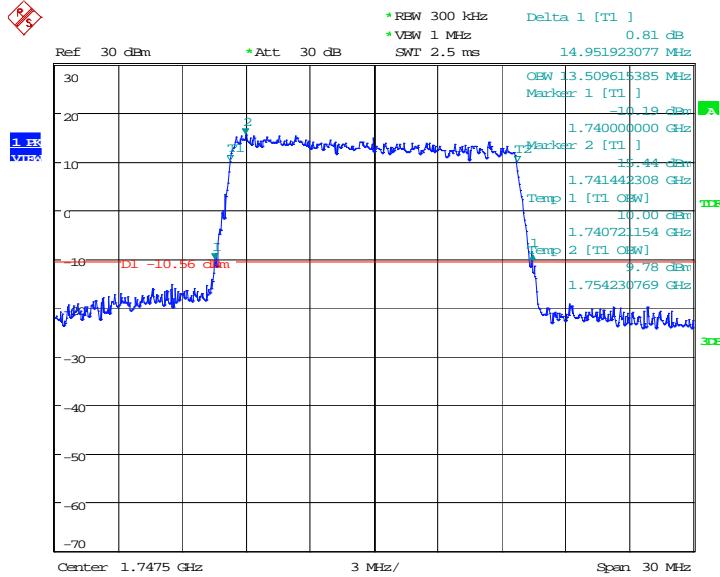
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BW15MHz-1732.5MHz,Q16-75RB_LOW
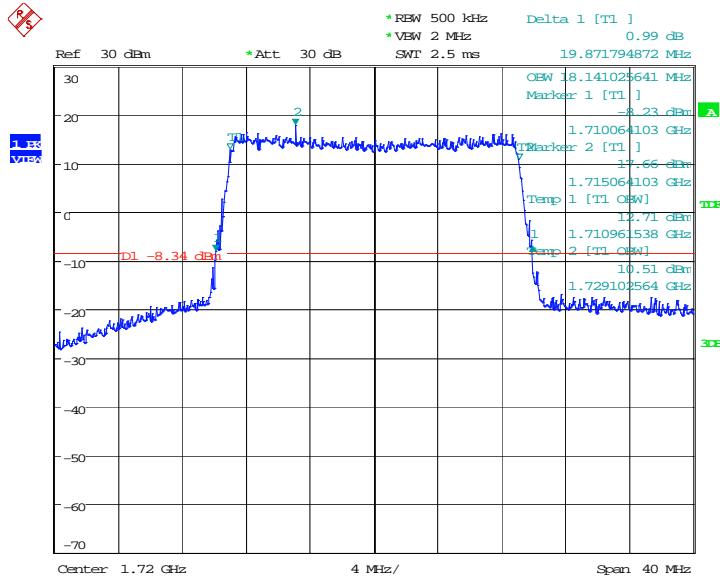
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BW15MHz-1747.5MHz,QPSK-75RB_LOW
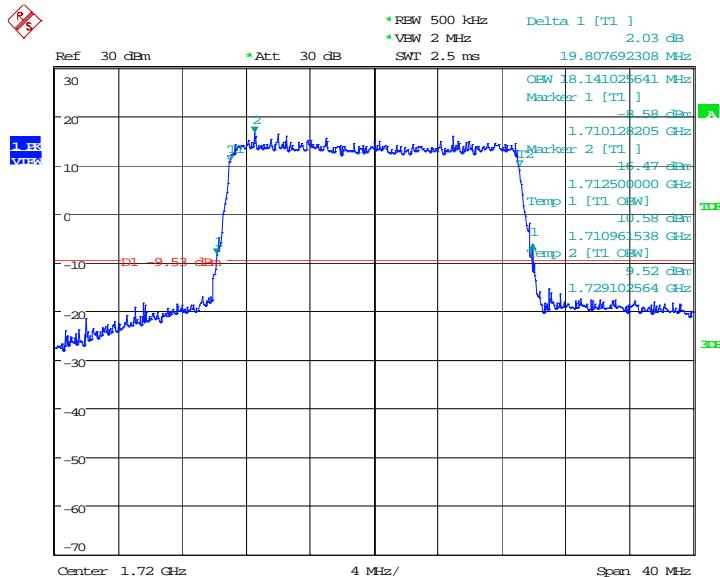
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BW15MHz-1747.5MHz,Q16-75RB_LOW

Date: 22.SEP.2016 17:05:41

Report No.: FCC16083918-5
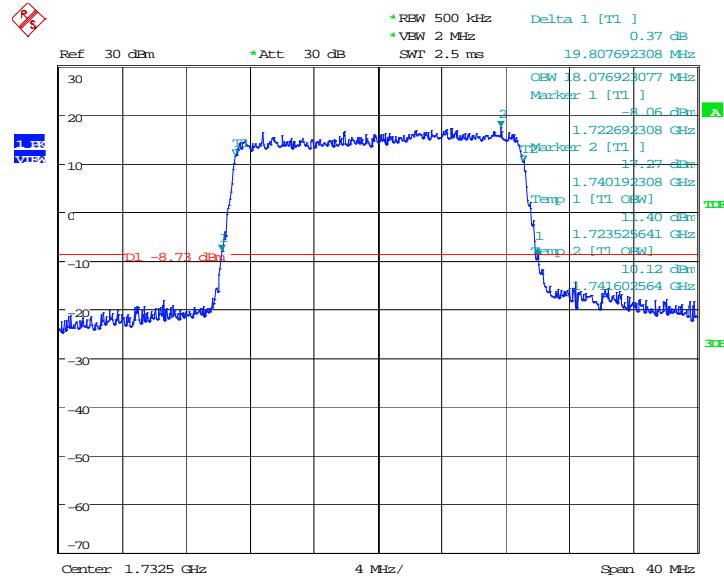
BW20MHz-1720MHz,QPSK-100RB_LOW

Date: 22.SEP.2016 17:07:39

BW20MHz-1720MHz,Q16-100RB_LOW
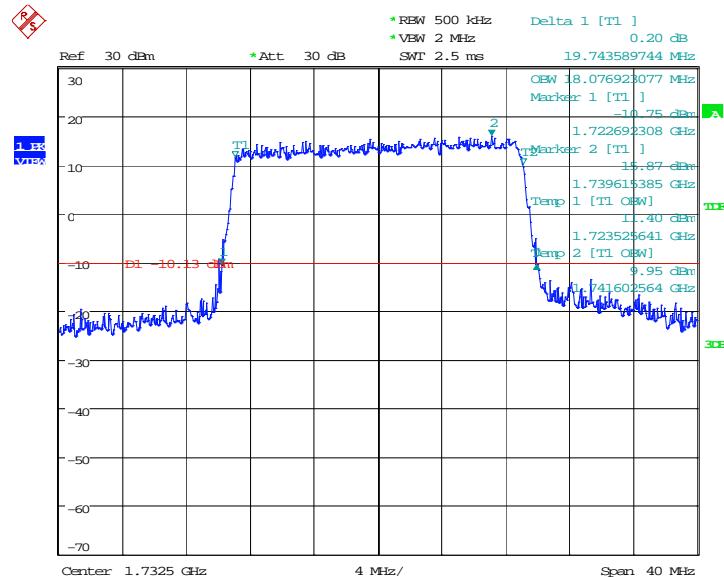
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Report No.: FCC16083918-5

BW20MHz-1732.5MHz,QPSK-100RB_LOW
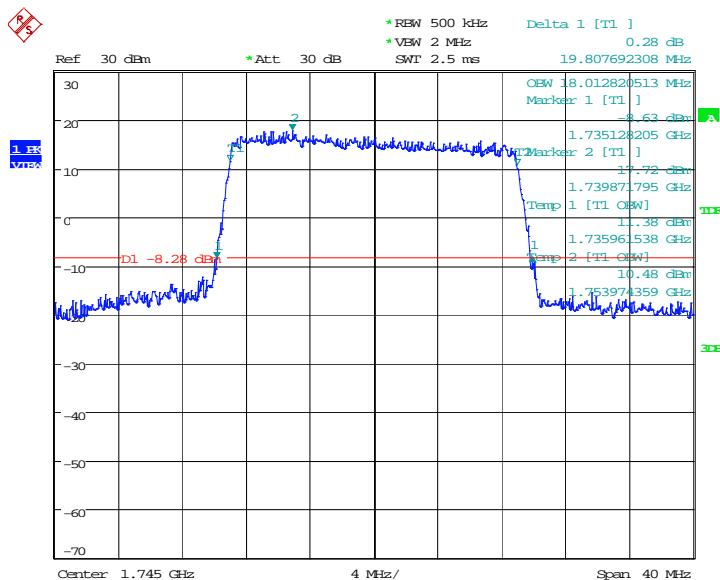
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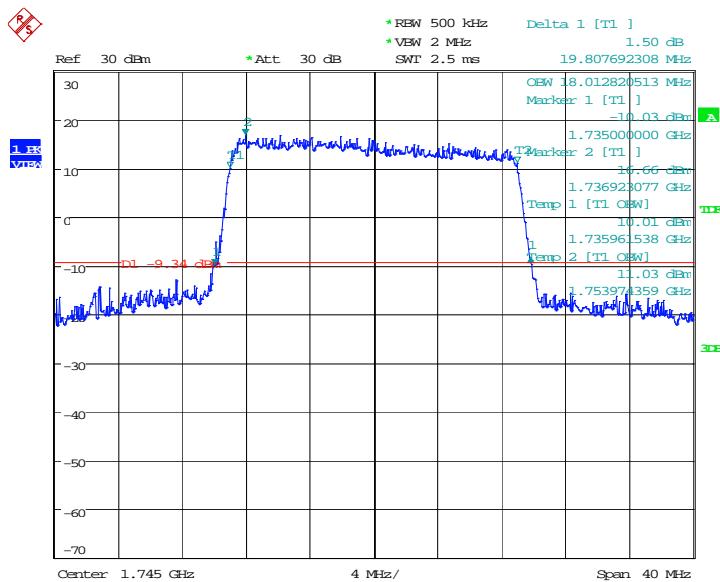
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Report No.: FCC16083918-5

BW20MHz-1745MHz,QPSK-100RB_LOW
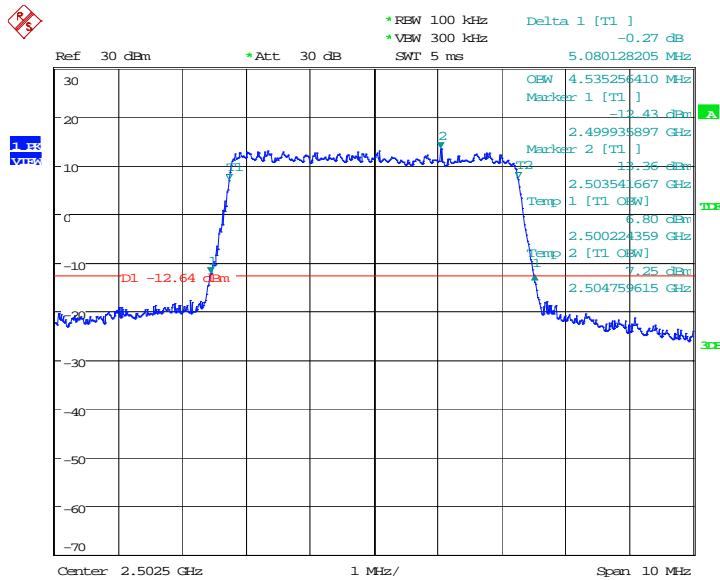
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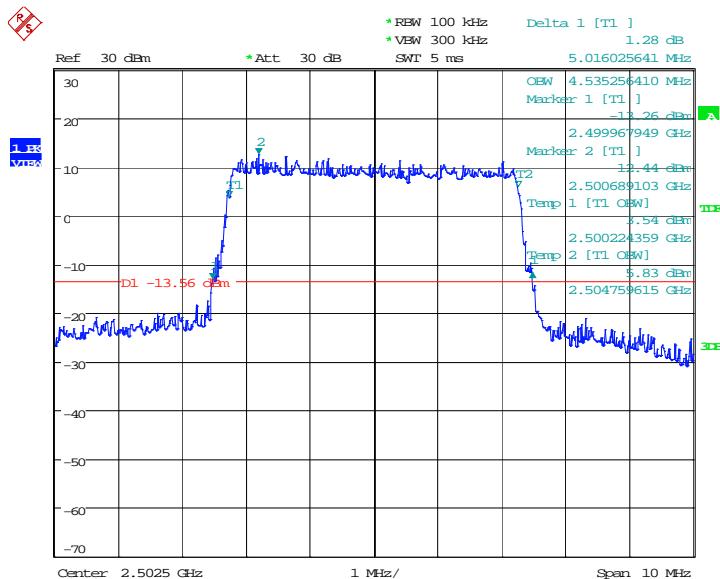
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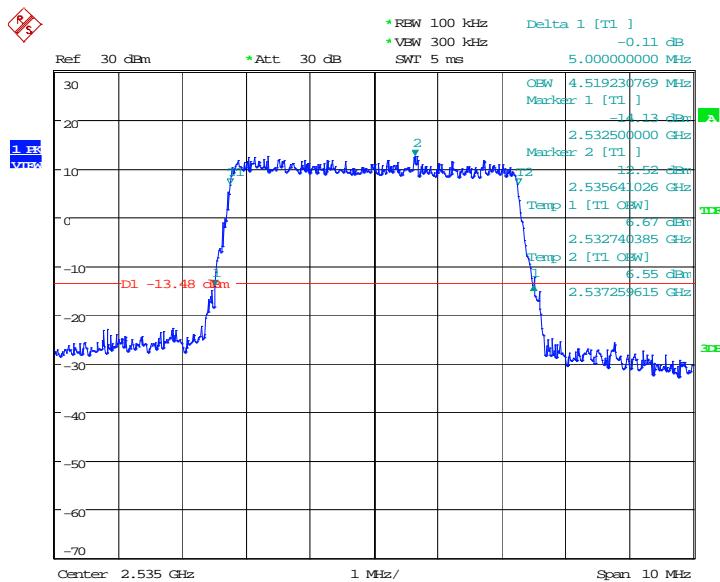
Date: 22.SEP.2016 17:13:55

Report No.: FCC16083918-5

BAND 7@Bandwidth

BW5MHz-2502.5MHz,QPSK-25RB_LOW


```
                                          *RBW  100 kHz      Delta 1 [T1 ]
                                          *VBW  300 kHz                    -0.27 dB
         Ref    30 dBm          *Att  30 dB     SWT  5 ms      5.080128205 MHz
          30                                       OBW  4.535256410 MHz
                                                   Marker 1 [T1 ]
          20                                                     -12.43 dBm
                                                       2.499935897 GHz
                                                   Marker 2 [T1 ]
          10                                                     13.36 dBm
                                                       2.503541667 GHz
                                                   Temp 1 [T1 OBW]
           0                                                      6.80 dBm
                                                       2.500224359 GHz
                                                   Temp 2 [T1 OBW]
         -10                                                      7.25 dBm
              D1 -12.64 dBm                             2.504759615 GHz
         -20

         -30

         -40

         -50

         -60

         -70
         Center  2.5025 GHz           1 MHz/               Span  10 MHz
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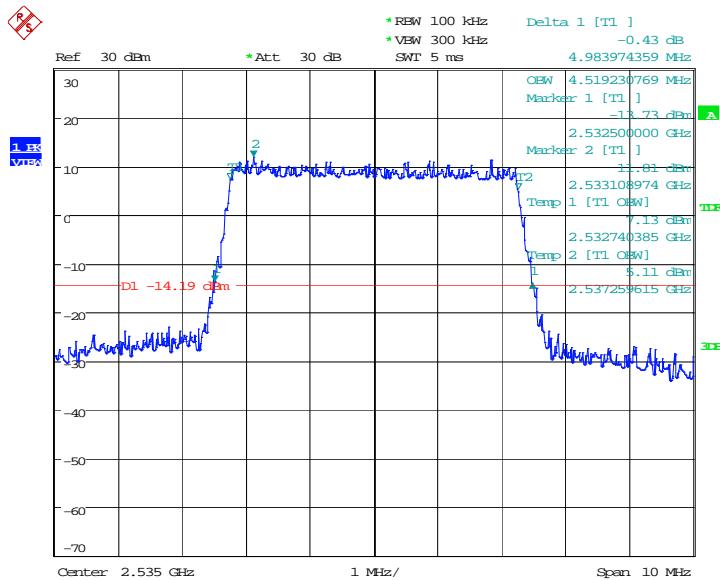
Date: 23.SEP.2016 09:09:28

BW5MHz-2502.5MHz,Q16-25RB_LOW


```
                                          *RBW  100 kHz      Delta 1 [T1 ]
                                          *VBW  300 kHz                     1.28 dB
         Ref    30 dBm          *Att  30 dB     SWT  5 ms      5.016025641 MHz
          30                                       OBW  4.535256410 MHz
                                                   Marker 1 [T1 ]
          20                                                     -13.26 dBm
                                                       2.499967949 GHz
                                                   Marker 2 [T1 ]
          10                                                     12.44 dBm
                                                       2.500689103 GHz
                                                   Temp 1 [T1 OBW]
           0                                                      5.54 dBm
                                                       2.500224359 GHz
                                                   Temp 2 [T1 OBW]
         -10                                                      5.83 dBm
              D1 -13.56 dBm                             2.504759615 GHz
         -20

         -30

         -40

         -50

         -60

         -70
         Center  2.5025 GHz           1 MHz/               Span  10 MHz
```

Date: 23.SEP.2016 09:12:49

Report No.: FCC16083918-5
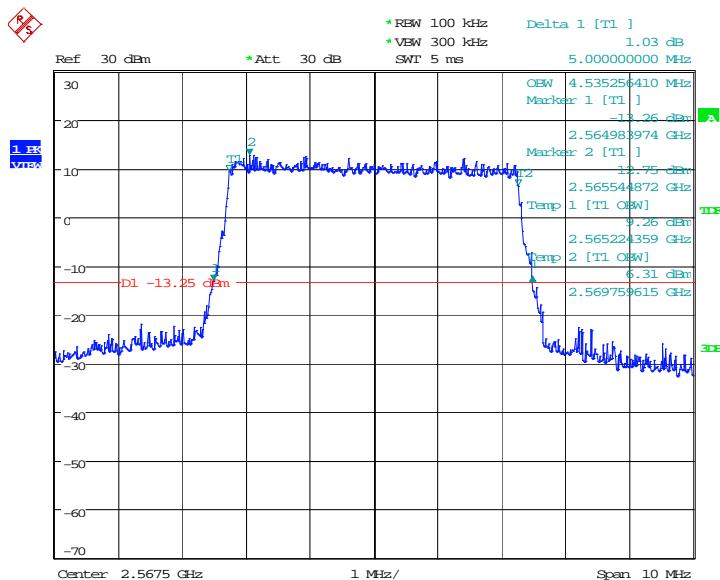
BW5MHz-2535MHz,QPSK-25RB_LOW

Date: 23.SEP.2016 09:14:50

BW5MHz-2535MHz,Q16-25RB_LOW
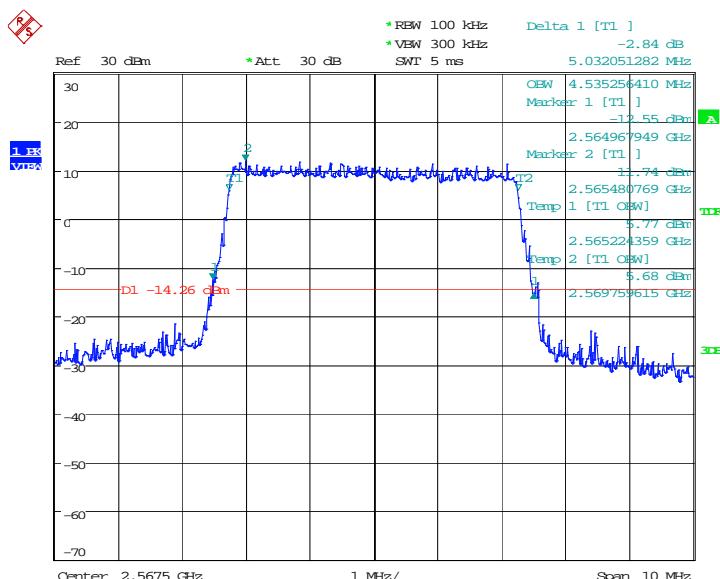
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Report No.: FCC16083918-5

BW5MHz-2567.5MHz,QPSK-25RB_LOW
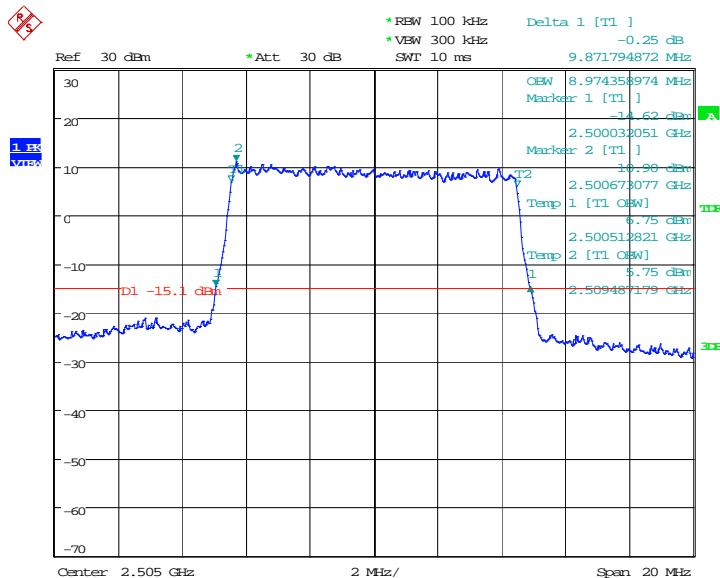
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BW5MHz-2567.5MHz,Q16-25RB_LOW
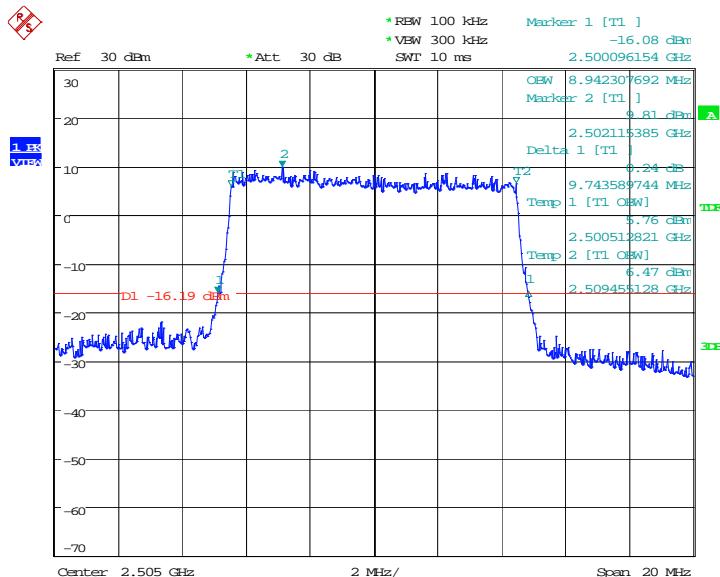
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Report No.: FCC16083918-5

BW10MHz-2505MHz,QPSK-50RB_LOW
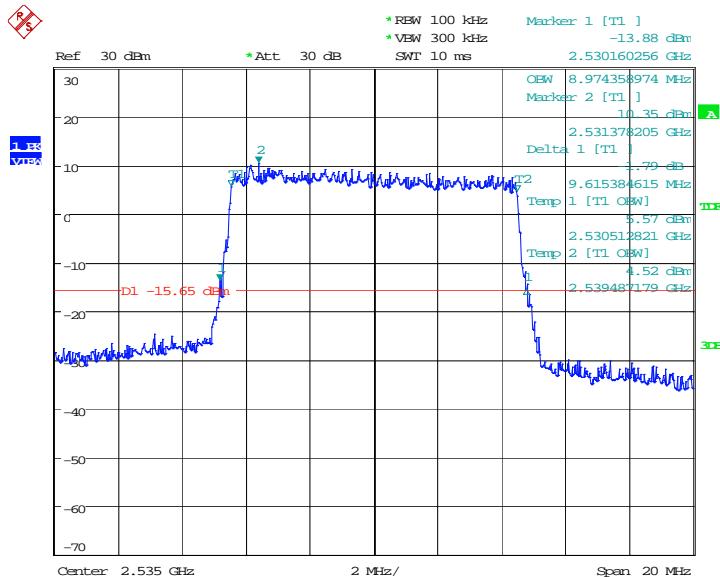
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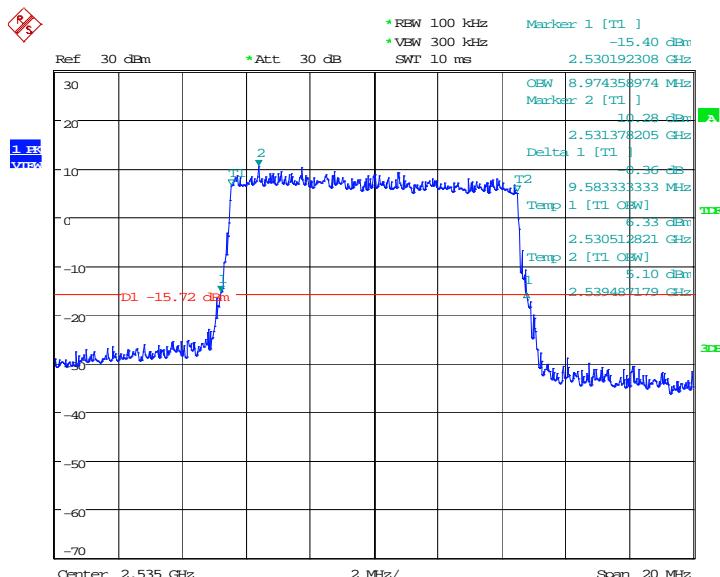
### BW10MHz-2505MHz,Q16-50RB_LOW

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Report No.: FCC16083918-5
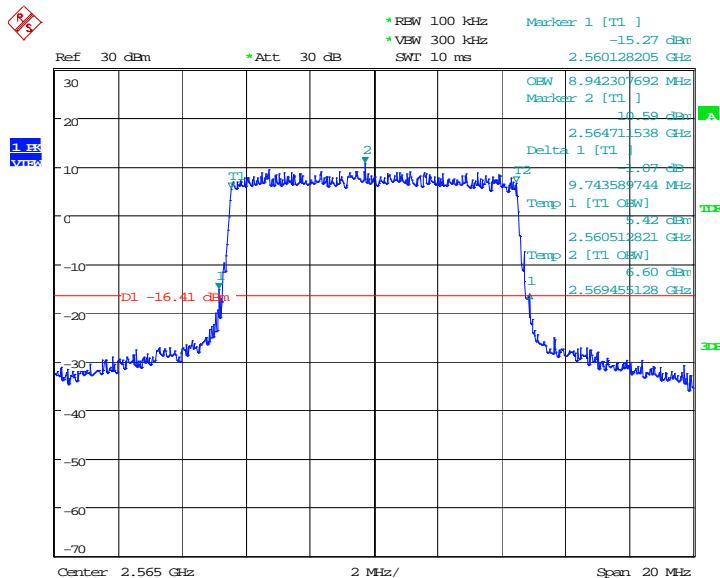
BW10MHz-2535MHz,QPSK-50RB_LOW

Date: 23.SEP.2016 09:35:38

BW10MHz-2535MHz,Q16-50RB_LOW
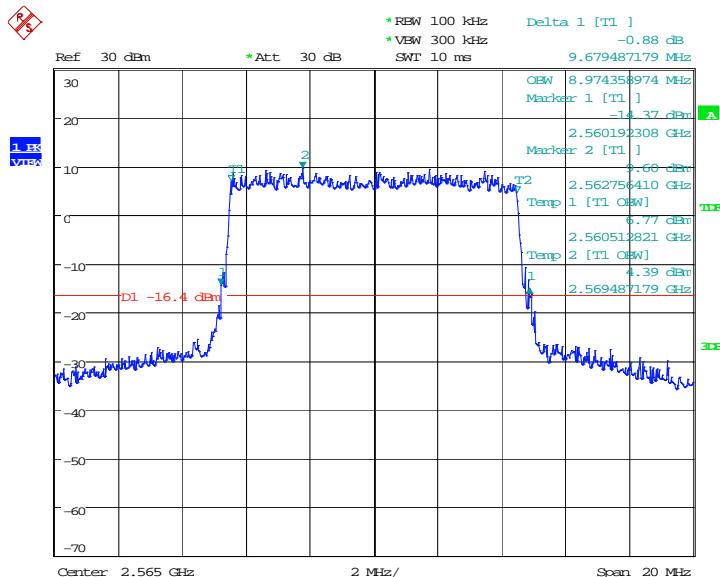
Date: 23.SEP.2016 09:38:59

Report No.: FCC16083918-5

BW10MHz-2565MHz,QPSK-50RB_LOW
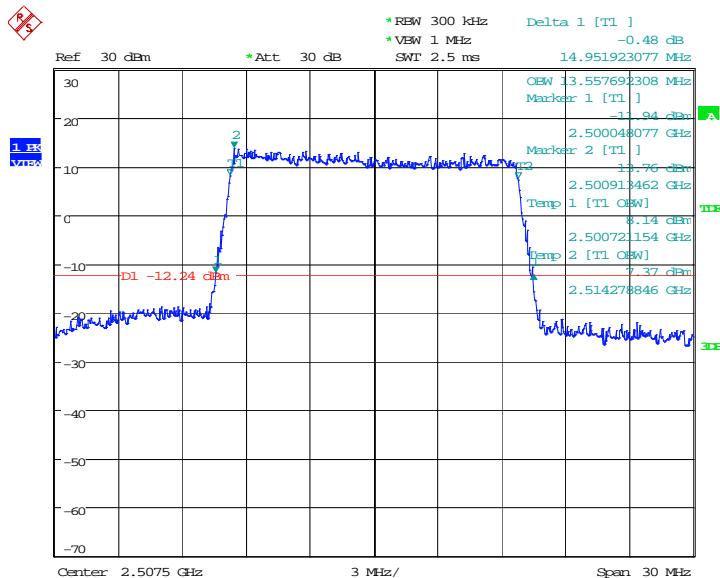
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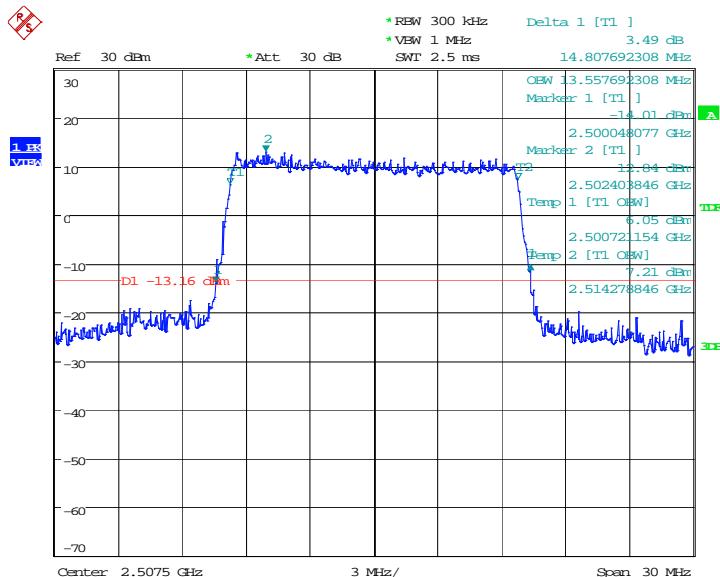
BW10MHz-2565MHz,Q16-50RB_LOW

Date: 23.SEP.2016 09:43:33

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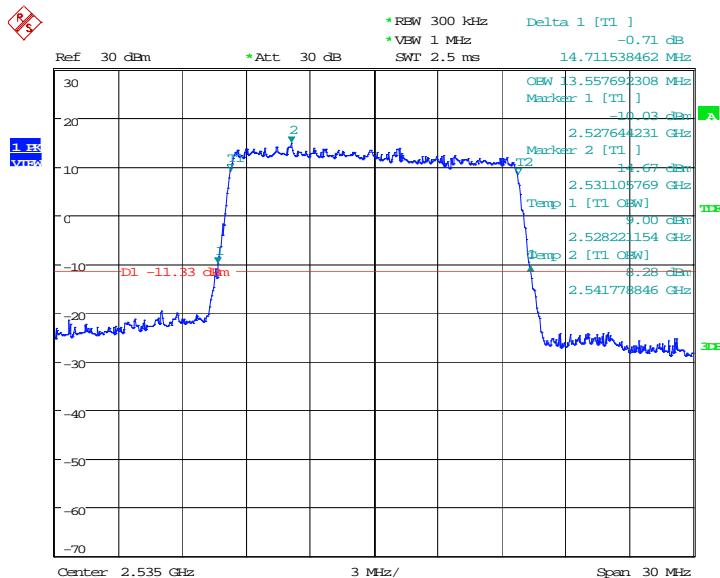
BW15MHz-2507.5MHz,QPSK-75RB_LOW

Date: 23.SEP.2016 09:45:34

BW15MHz-2507.5MHz,Q16-75RB_LOW
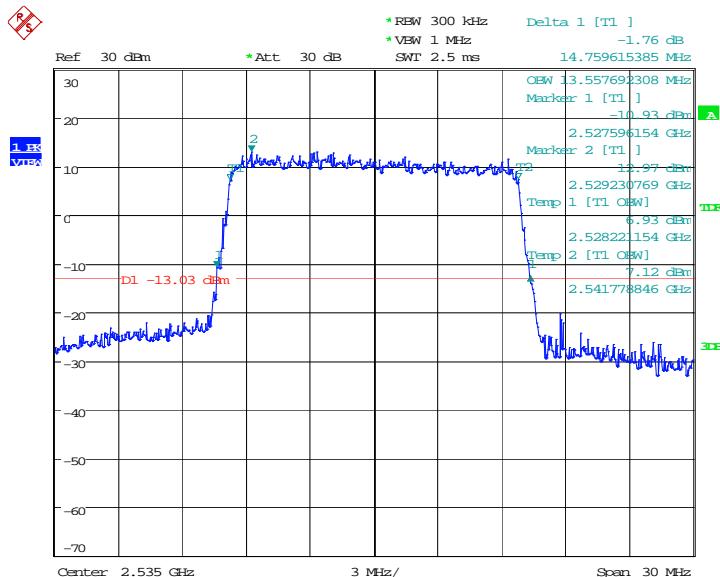
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Report No.: FCC16083918-5

BW15MHz-2535MHz,QPSK-75RB_LOW
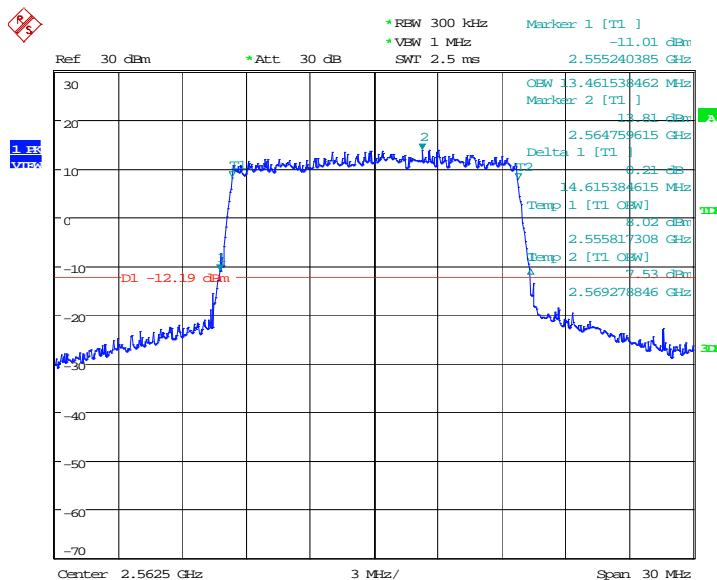
Date: 23.SEP.2016 09:48:42
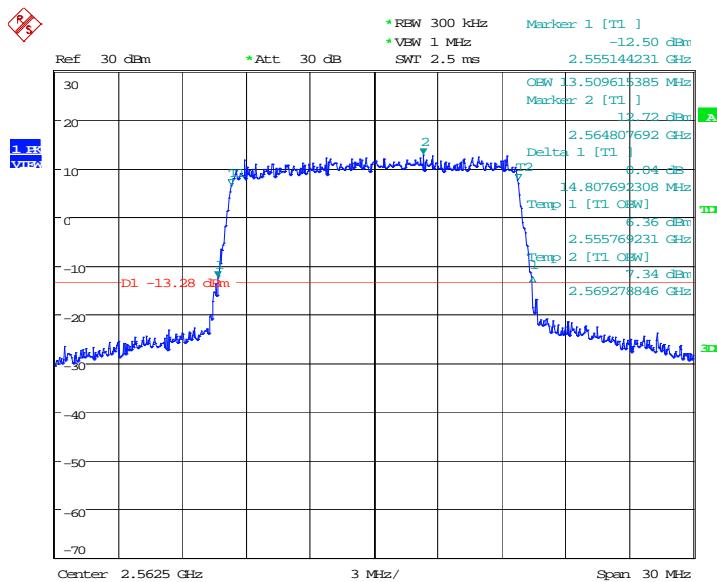
BW15MHz-2535MHz,Q16-75RB_LOW
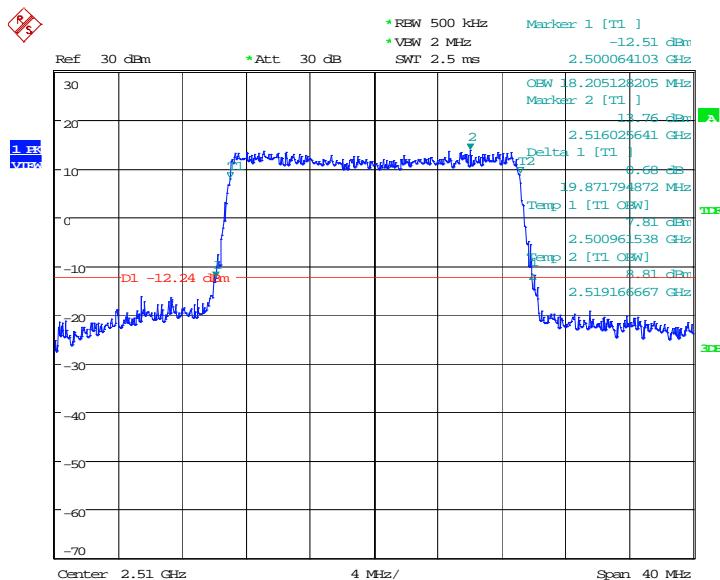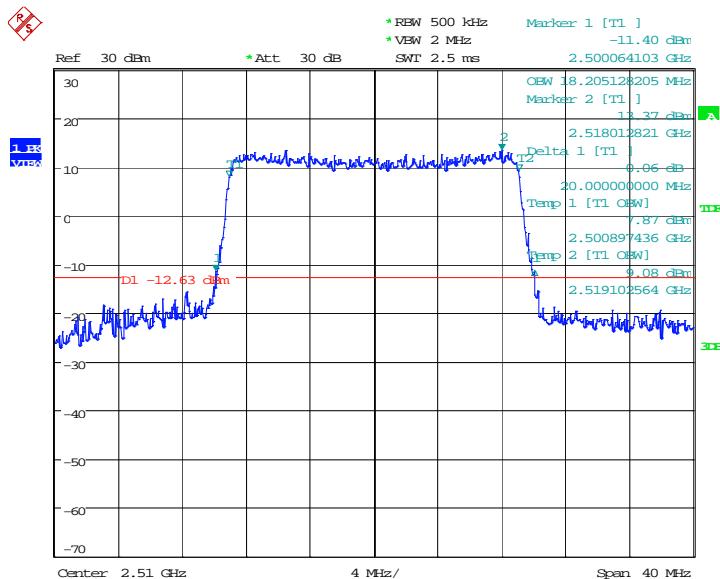
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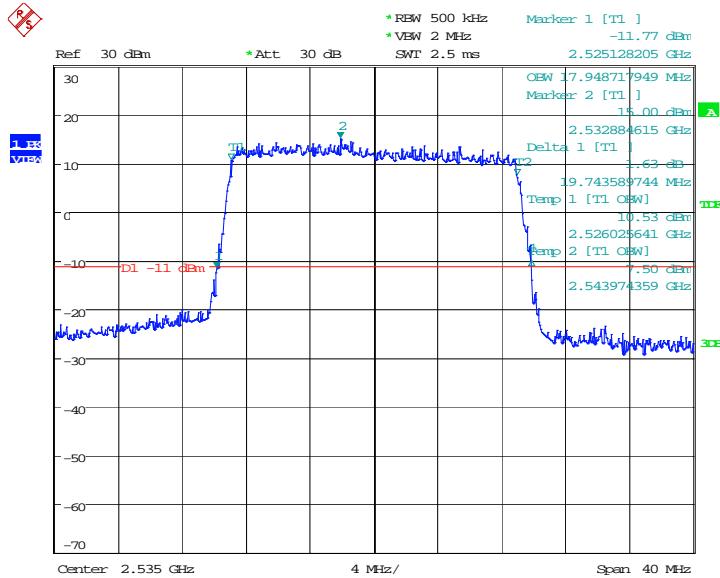
BW15MHz-2562.5MHz,QPSK-75RB_LOW

Date: 23.SEP.2016 09:52:21

BW15MHz-2562.5MHz,Q16-75RB_LOW

Date: 23.SEP.2016 09:53:23

Report No.: FCC16083918-5
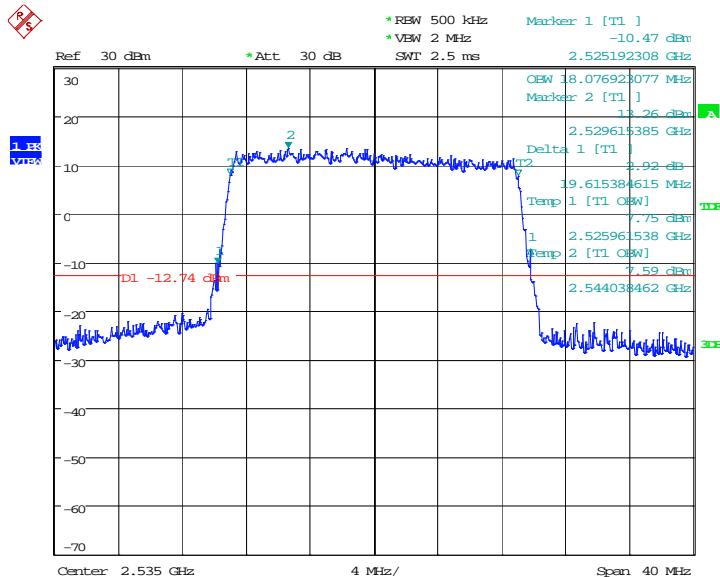
BW20MHz-2510MHz,QPSK-100RB_LOW

Date: 23.SEP.2016 09:58:03

BW20MHz-2510MHz,Q16-100RB_LOW

Date: 23.SEP.2016 09:59:10

Report No.: FCC16083918-5
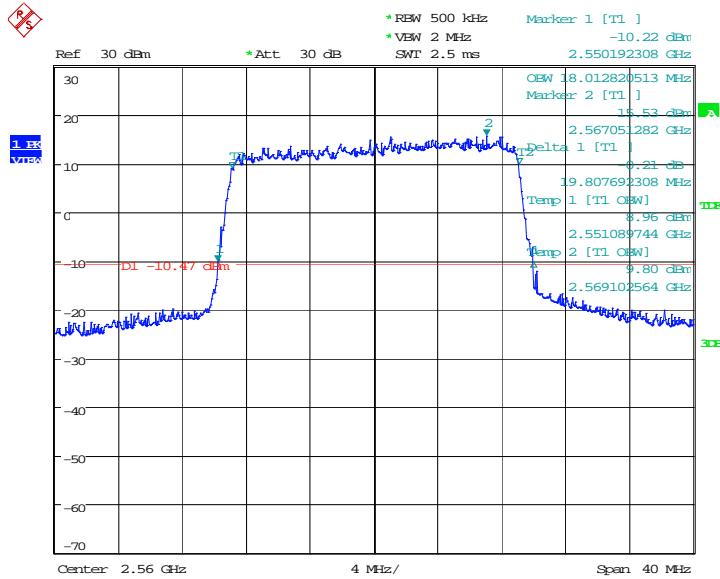
BW20MHz-2535MHz,QPSK-100RB_LOW

Date: 23.SEP.2016 10:04:00

BW20MHz-2535MHz,Q16-100RB_LOW
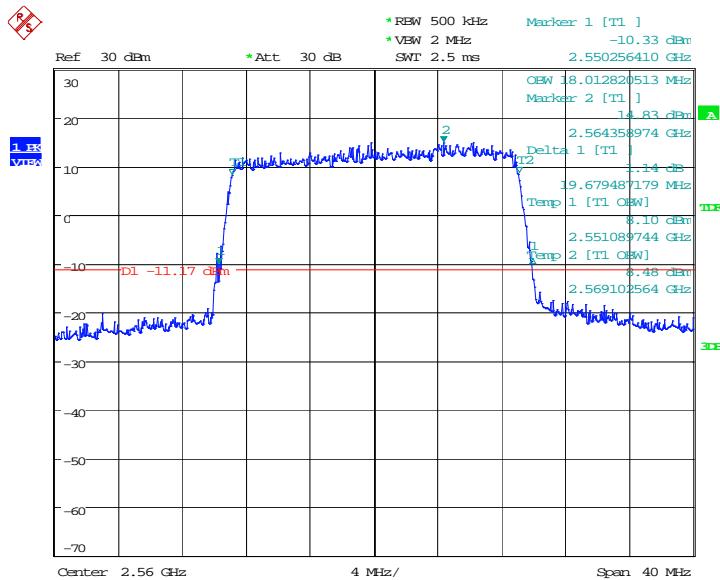
Date: 23.SEP.2016 10:05:01

Report No.: FCC16083918-5

### BW20MHz-2560MHz,QPSK-100RB_LOW

Date: 23.SEP.2016 10:06:28

BW20MHz-2560MHz,Q16-100RB_LOW

Date: 23.SEP.2016 10:07:21

Report No.: FCC16083918-5