



FCC RF TEST REPORT

Report No.:	R201907006
Model No.:	CB64
Grant No.:	JOY
FCC ID:	JOYCB64
Date of Receipt:	Jun 17, 2019
Date of Test:	Jun 17, 2019 ~ Jul 7, 2019
Date of Issue:	Jul 7, 2019
Test Result:	Passed
Applicant:	Kyocera Corporation
Manufacturer:	Kyocera Corporation
Factory:	Kyocera Corporation
Product Name	GSM/WCDMA/LTE Mobile Telephone
Trade Mark	KYOCERA
Address:	2-1-1 Kagahara, Tsuzuki-ku, Yokohama-shi, Kanagawa, Japan, 224-8502
Issued By:	BYD Precise Manufacture Co., Ltd.
Lab Location:	No. 3001, Baohe Road, Baolong Longgang, Shenzhen, 518116, People's Republic of China

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1 REPORT ISSUED HISTORY

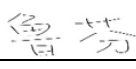
Version	Description	Issued Data
Rev. 01	Original issue	Jul 7, 2019

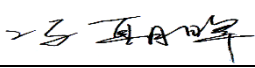


2 CERTIFICATION

PRODUCT:	GSM/WCDMA/LTE Mobile Telephone
MODEL:	CB64
BRAND:	Kyocera Corporation
APPLICANT:	Kyocera Corporation
TEST SAMPLE:	ENGINEERING SAMPLE
IMEI:	356283100010075 / 356283100010448
HW Version:	CB64
SW Version:	Msm8937_64-userdebug 9
TESTED:	Jun 17, 2019 ~ Jul 7, 2019
STANDARDS:	FCC 47 CFR Part2,22 (H) ,24(E),27(L),27(H),27(M)

The above equipment has been tested by **BYD Precise Manufacture Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

PREPARED BY :  , **DATE:** Jul 7, 2019
(Fen Lu / Engineer)

TECHNICAL ACCEPTANCE :  , **DATE:** Jul 7, 2019
Responsible for EMS (Zhaohui Feng / Manager)

APPROVED BY :  , **DATE:** Jul 7, 2019
(Jie Yan / Director)



3 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

IMEI:	FCC RULE	Description	RESULT	REMARK
356283100010 075	§2.1046	Conducted Output Power	Pass	Reporting Only
	§24.232(d)	Peak-to-Average Ratio	Pass	<13dB
	§2.1049 §22.917 (b) §24.238(b) §27.53(h)(3) §27.53(m)(6)	Occupied Bandwidth	Pass	Reporting Only
	§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h) §27.53(m)(4)	Conducted Band Edges	Pass	(Band2/4/5/12/17/25/26) : <43+10log(P[Watts]) (band7/41): §27.53(m)(4))
	§2.1051 §22.917(a) §24.238(a) §27.53(f) §27.53(g) §27.53(h) §27.53(m)(4)	Conducted Spurious Emission	Pass	(Band2/4/5/12/17/25/26) : <43+10log(P[Watts]) (band7/41): <55+10log(P[Watts])
	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Pass	<2.5ppm for Part22 Within Authorized Band
	§22.913(a)(2) §27.50(c)(10) §24.232(c) §27.50(h)(2) §27.50(d)(4)	Effective Radiated Power/Equivalent Isotropic Radiated Power	Pass	(band5/26):EPR<7W (band12/17):ERP<3W (band2/25/7/41):EIRP<2 W (band4):EIRP<1W
356283100010 448	§2.1051 §22.917(a) §24.238(a) §27.53(g)	Radiated Spurious Emission	Pass	(Band2/4/5/12/17/25/26) : <43+10log(P[Watts]) (band7/41): <55+10log(P[Watts])



	§27.53(h) §27.53(m)(4)			
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3.1 Measurement Uncertainty

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5%
RF output power, Conducted	±0.59dB
Bandwidth, conducted	±1.78kHz
Unwanted Emissions, conducted	±0.9dB
Temperature	±1°C
Humidity	±5%
DC and low frequency voltages	±0.4%



4 GENERAL INFORMATION.

4.1 Test Equipment List

Description & Manufacturer	MODEL NO.	SERIAL NO.	Next Calibration date
WIDEBAND RADIO COMMUNICATION TESTER ROHDE & SCHWARZ	CMW500	148277	2019/10/16
SIGNAL ANALYZER ROHDE & SCHWARZ	FSQ26	200393	2019/4/9
Attenuation	H+S 6610_SMA-50-1	-	-
Temperature Chamber WEISS	Temperature Chamber	58226074850010	2020/7/2
DC Power Supply Agilent	E3632A	MY40021860	2019/10/18
RF cable	Huber Suhner SUCOFLEX 104PE	-	-
PC	-	30008979	-
Power Divider	-	C279810-01	-
Universal radio communication tester	CMW 500	148351	2019.10.16
Antenna	ETS 3142C	79888	2021.01.28
Antenna	ETS 3117	57412	2021.01.25
ANTENNA mast	ETS 2090	00069146	-
ANTENNA mast	MF T-E-TAC-4.0	MF780208498	-
EMI test receiver	ESU	100041	2020.04.01
EMC32 software	R&S	-	-

NOTE: Calibration cycle 12 months.



4.2 Description of Test Modes

Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Conducted Output Power	FDD-LTE 2/4	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Peak-to-Average Ratio	FDD-LTE 2/4	V	V	V	V	V	V	V	V	V		V	V	V	V
Occupied Bandwidth	FDD-LTE 2/4	V	V	V	V	V	V	V	V			V	V	V	V
Conducted Band Edges	FDD-LTE 2/4	V	V	V	V	V	V	V	V	V		V	V		V
Conducted Spurious Emission	FDD-LTE 2/4	V	V	V	V	V	V	V	V	V			V	V	V
Frequency Stability Temperature & Voltage	FDD-LTE 2/4				V			V		V				V	
Effective Radiated Power/Equivalent Isotropic Radiated Power	FDD-LTE 2/4	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Radiated Spurious Emission	FDD-LTE 2/4														



4.3 Test Environment and List of Software and Parts

Test Items	Software	Parts	Environment
Conducted Output Power	-	USB Cable、Fake battery、Power Divider	Temp.:25°C±3
			Humi:30%~60%
			Volt.:3.85V
peak-to-average ratio	-	USB Cable、Fake battery、Power Divider	Temp.:25°C±3
			Humi:30%~60%
			Volt.:3.85V
Bandwidth	-	USB Cable、Fake battery、Power Divider	Temp.:25°C±3
			Humi:30%~60%
			Volt.:3.85V
Conducted Band Edges	-	USB Cable、Fake battery、Power Divider	Temp.:25°C±3
			Humi:30%~60%
			Volt.:3.85V
Conducted Spurious Emission	-	USB Cable、Fake battery、Power Divider	Temp.: 25°C±3
			Humi:30%~60%
			Volt.:3.85V
Frequency Stability	-	USB Cable、Fake battery、Power Divider	Temp.: -20°C~60°C
			Humi:30%~60%
			Volt.:3.85、3.465、4.235V
Effective Radiated Power/Equivalent Isotropic Radiated Power	-	USB Cable、Fake battery、Power Divider	Temp.: 25°C±3
			Humi:30%~60%
			Volt.:3.85V
Radiated Spurious Emission	EMC32	Charger: KYCAV1 Headset: HSEJ03JY(Mi)	Temp.: 25°C±3
			Humi:30%~60%
			Volt.:3.85V



4.4 Testing Location

Test Site	BYD Precise Manufacture Co., Ltd.
Test Site Location	No. 3001, Baohe Road, Baolong Longgang, Shenzhen, 518116, People' s Republic of China
Post Code	518116
Telephone	+86-755 8489 8888 55501
Fax	+86-755 8964 3771

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 4886.01)**

BYD Precise Manufacture Co., Ltd., Baolong Shenzhen Laboratory is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 4886.01.

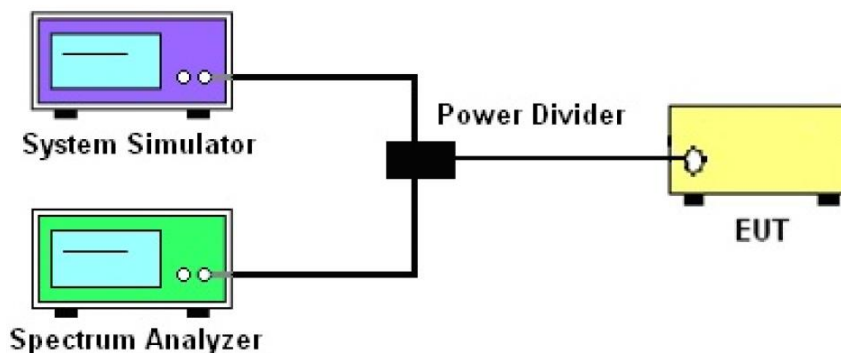
- **FCC –Designation Number: CN1232**

BYD Precise Manufacture Co., Ltd., Baolong Shenzhen Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1232.

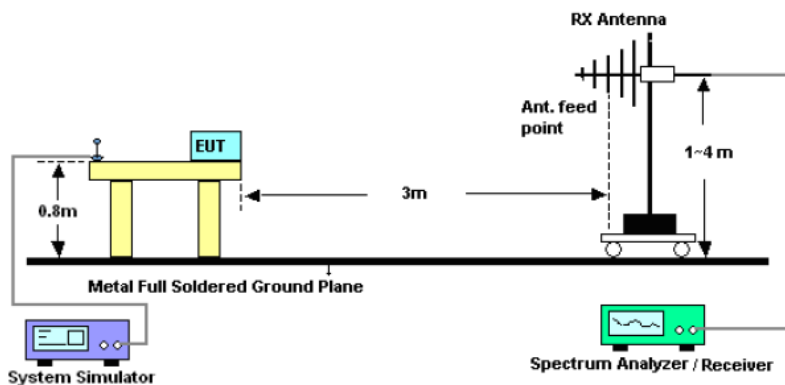
4.6 Configuration of System Under Test

Conducted:

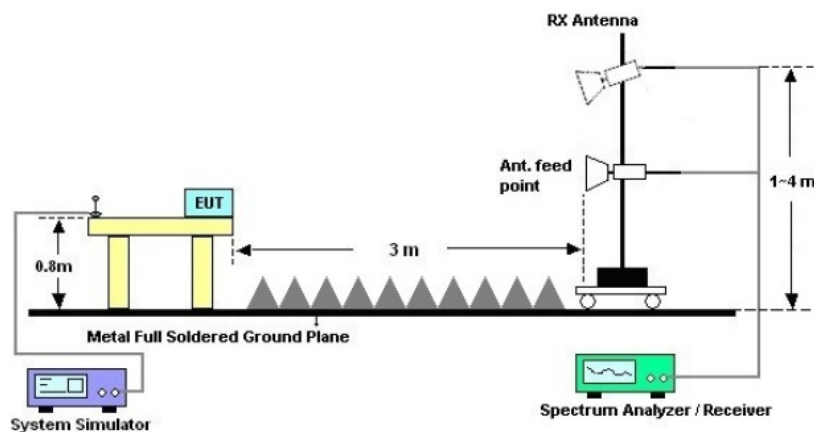


Radiated:

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



4.7 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part2, 22(H), 24(E), 27(L), 27(M), 27(H)

ANSI/TIA/EIA-603-D-2010

FCC KDB 971168 D01 Power Meas. License Digital Systems v02r02

All test items have been performed and recorded as per the above standards.



5 TEST TYPES AND RESULTS

5.1 Conducted Output Power (Reporting Only)

5.1.1 Description

A system simulator was used to establish communication with the EUT. Its parameters were set to force EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

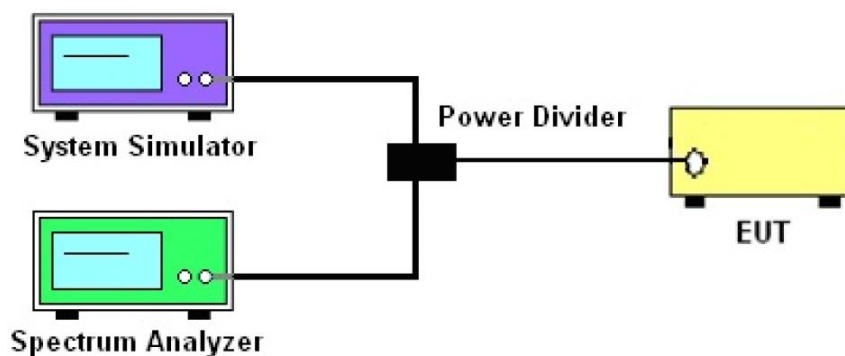
5.1.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

5.1.3 Test Procedure

- The transmitter output port was connected to the system simulator.
- Set EUT at maximum power through system simulator.
- Select lowest, middle, and highest channels for each band and different modulation.
- Measure and record the power level from the system simulator.

5.1.4 Test Setup



5.1.5 Test Results

Band				FDD-LTE2		
BW [MHz]	Modulation	RB Size	RB Offset	Power(dBm) Low Ch./Freq.	Power(dBm) Middle Ch./Freq.	Power(dBm) High Ch./Freq.
Channel				18607	18900	19193
Frequency(MHz)				1850.7	1880	1909.3
1.4	QPSK	1	Low	22.32	21.94	22.24
1.4	QPSK	1	Mid	22.11	22.09	22.00
1.4	QPSK	1	High	22.16	22.03	21.87
1.4	QPSK	3	Low	22.23	21.87	22.03
1.4	QPSK	3	High	22.01	21.80	21.87
1.4	QPSK	6	Low	21.12	20.89	21.06
1.4	16QAM	1	Low	21.91	21.07	21.38
1.4	16QAM	1	Mid	21.96	21.12	21.27
1.4	16QAM	1	High	21.71	20.87	21.20
1.4	16QAM	3	Low	21.37	21.14	21.11
1.4	16QAM	3	High	21.41	21.34	20.98



1.4	16QAM	6	Low	20.30	20.23	19.96
Channel				18615	18900	19185
Frequency(MHz)				1851.5	1880	1908.5
3	QPSK	1	Low	22.37	21.79	21.98
3	QPSK	1	Mid	22.36	22.03	22.10
3	QPSK	1	High	22.25	21.86	21.90
3	QPSK	8	Low	21.04	20.97	21.16
3	QPSK	8	High	21.02	20.97	20.88
3	QPSK	15	Low	21.05	20.88	21.16
3	16QAM	1	Low	21.15	20.82	21.34
3	16QAM	1	Mid	21.21	20.76	21.02
3	16QAM	1	High	21.09	20.89	20.86
3	16QAM	8	Low	20.09	20.14	20.21
3	16QAM	8	High	20.18	20.13	20.19
3	16QAM	15	Low	20.07	20.13	20.26
Channel				18625	18900	19175
Frequency(MHz)				1852.5	1880	1907.5
5	QPSK	1	Low	22.10	21.78	21.96
5	QPSK	1	Mid	22.30	22.00	21.98
5	QPSK	1	High	22.28	21.98	21.69
5	QPSK	12	Low	21.20	20.97	21.06
5	QPSK	12	High	21.13	20.95	20.78
5	QPSK	25	Low	21.15	20.95	21.03
5	16QAM	1	Low	21.35	20.64	20.52
5	16QAM	1	Mid	21.56	20.67	20.60
5	16QAM	1	High	21.42	20.76	20.16
5	16QAM	12	Low	19.98	19.93	20.15
5	16QAM	12	High	19.89	20.03	19.89
5	16QAM	25	Low	19.89	19.96	20.22
Channel				18650	18900	19150
Frequency(MHz)				1855	1880	1905
10	QPSK	1	Low	21.96	21.74	22.06
10	QPSK	1	Mid	22.11	22.04	22.09
10	QPSK	1	High	21.78	21.90	21.89
10	QPSK	25	Low	21.11	20.86	21.07
10	QPSK	25	High	20.91	20.96	20.82
10	QPSK	50	Low	20.99	20.95	20.93
10	16QAM	1	Low	21.63	20.64	21.17
10	16QAM	1	Mid	21.40	21.04	21.34
10	16QAM	1	High	20.91	20.62	21.09
10	16QAM	25	Low	20.15	20.15	20.12
10	16QAM	25	High	19.95	20.25	19.93



10	16QAM	50	Low	20.04	20.08	20.07
Channel				18675	18900	19125
Frequency(MHz)				1857.5	1880	1902.5
15	QPSK	1	Low	21.83	21.63	21.71
15	QPSK	1	Mid	21.84	21.87	21.93
15	QPSK	1	High	21.46	21.82	21.77
15	QPSK	36	Low	20.97	20.77	21.05
15	QPSK	36	High	20.83	20.84	20.84
15	QPSK	75	Low	20.89	20.84	20.97
15	16QAM	1	Low	21.28	20.74	21.26
15	16QAM	1	Mid	21.16	20.81	21.26
15	16QAM	1	High	21.48	20.26	20.86
15	16QAM	36	Low	20.06	19.83	20.12
15	16QAM	36	High	19.92	20.07	20.01
15	16QAM	75	Low	19.92	19.85	20.03
Channel				18700	18900	19100
Frequency(MHz)				1860	1880	1900
20	QPSK	1	Low	22.14	21.55	21.81
20	QPSK	1	Mid	22.44	22.14	22.10
20	QPSK	1	High	21.88	21.61	21.70
20	QPSK	50	Low	21.05	20.83	21.01
20	QPSK	50	High	20.79	20.83	20.87
20	QPSK	100	Low	20.86	20.80	21.02
20	16QAM	1	Low	20.73	21.29	21.55
20	16QAM	1	Mid	20.96	21.94	21.78
20	16QAM	1	High	20.54	21.23	21.22
20	16QAM	50	Low	20.04	19.86	20.14
20	16QAM	50	High	19.87	19.93	19.94
20	16QAM	100	Low	19.94	19.79	20.15

Band				FDD-LTE4		
BW [MHz]	Modulation	RB Size	RB Offset	Power(dBm) Low Ch./Freq.	Power(dBm) Middle Ch./Freq.	Power(dBm) High Ch./Freq.
Channel				19957	20175	20393
Frequency(MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	Low	22.36	22.13	22.38
1.4	QPSK	1	Mid	22.14	22.25	22.44
1.4	QPSK	1	High	22.35	22.08	22.33
1.4	QPSK	3	Low	22.27	22.25	22.16
1.4	QPSK	3	High	22.31	22.25	22.17



1.4	QPSK	6	Low	21.22	21.36	21.28
1.4	16QAM	1	Low	21.41	21.28	21.32
1.4	16QAM	1	Mid	22.11	21.31	21.68
1.4	16QAM	1	High	22.11	21.17	21.26
1.4	16QAM	3	Low	21.19	21.31	21.72
1.4	16QAM	3	High	21.11	21.23	21.41
1.4	16QAM	6	Low	20.20	20.41	20.07
Channel				19965	20175	20385
Frequency(MHz)				1711.5	1732.5	2153.5
3	QPSK	1	Low	22.28	22.30	22.13
3	QPSK	1	Mid	22.16	22.51	22.52
3	QPSK	1	High	22.39	22.09	22.17
3	QPSK	8	Low	21.23	21.20	21.28
3	QPSK	8	High	21.26	21.27	21.19
3	QPSK	15	Low	21.36	21.31	21.32
3	16QAM	1	Low	21.49	21.28	21.35
3	16QAM	1	Mid	21.51	21.12	21.52
3	16QAM	1	High	21.74	21.19	21.56
3	16QAM	8	Low	20.35	20.54	20.48
3	16QAM	8	High	20.29	20.39	20.82
3	16QAM	15	Low	20.25	20.31	20.38
Channel				19975	20175	20375
Frequency(MHz)				1712.5	1732.5	1752.5
5	QPSK	1	Low	22.19	22.41	22.11
5	QPSK	1	Mid	22.15	22.33	22.32
5	QPSK	1	High	22.22	22.32	22.37
5	QPSK	12	Low	21.28	21.31	21.25
5	QPSK	12	High	21.28	21.25	21.27
5	QPSK	25	Low	21.29	21.29	21.32
5	16QAM	1	Low	21.65	21.42	20.80
5	16QAM	1	Mid	21.63	21.41	20.94
5	16QAM	1	High	21.50	21.31	21.12
5	16QAM	12	Low	20.12	20.43	20.31
5	16QAM	12	High	20.20	20.07	20.37
5	16QAM	25	Low	20.32	20.30	20.33
Channel				20000	20175	20350
Frequency(MHz)				1715	1732.5	1750
10	QPSK	1	Low	22.13	22.08	22.07
10	QPSK	1	Mid	22.20	22.29	22.50
10	QPSK	1	High	22.05	22.05	22.30
10	QPSK	25	Low	21.17	21.25	21.26
10	QPSK	25	High	21.29	21.13	21.16



10	QPSK	50	Low	21.15	21.19	21.21
10	16QAM	1	Low	21.71	20.80	21.51
10	16QAM	1	Mid	21.65	21.24	22.12
10	16QAM	1	High	22.02	20.61	21.51
10	16QAM	25	Low	20.52	20.38	20.38
10	16QAM	25	High	20.44	20.35	20.30
10	16QAM	50	Low	20.15	20.22	20.31
Channel				20025	20175	20325
Frequency(MHz)				1717.5	1732.5	1747.5
15	QPSK	1	Low	22.30	21.99	22.19
15	QPSK	1	Mid	22.10	22.10	22.49
15	QPSK	1	High	21.94	22.03	22.17
15	QPSK	36	Low	21.25	21.22	21.22
15	QPSK	36	High	21.03	21.16	21.06
15	QPSK	75	Low	21.10	21.12	21.14
15	16QAM	1	Low	21.70	21.27	21.58
15	16QAM	1	Mid	22.05	21.21	21.57
15	16QAM	1	High	22.03	21.05	21.59
15	16QAM	36	Low	20.29	20.35	20.30
15	16QAM	36	High	19.99	20.20	20.21
15	16QAM	75	Low	20.10	20.27	20.28
Channel				20050	20175	20300
Frequency(MHz)				1720	1732.5	1745
20	QPSK	1	Low	22.15	22.17	22.07
20	QPSK	1	Mid	22.55	22.38	22.57
20	QPSK	1	High	22.39	22.14	22.40
20	QPSK	50	Low	21.28	21.28	21.39
20	QPSK	50	High	21.10	21.14	21.24
20	QPSK	100	Low	21.14	21.19	21.20
20	16QAM	1	Low	21.20	21.87	21.76
20	16QAM	1	Mid	21.39	22.08	21.77
20	16QAM	1	High	21.09	21.75	21.30
20	16QAM	50	Low	20.31	20.27	20.35
20	16QAM	50	High	20.16	20.25	20.24
20	16QAM	100	Low	20.20	20.22	20.23

5.2 Peak-to-Average Ratio

5.2.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

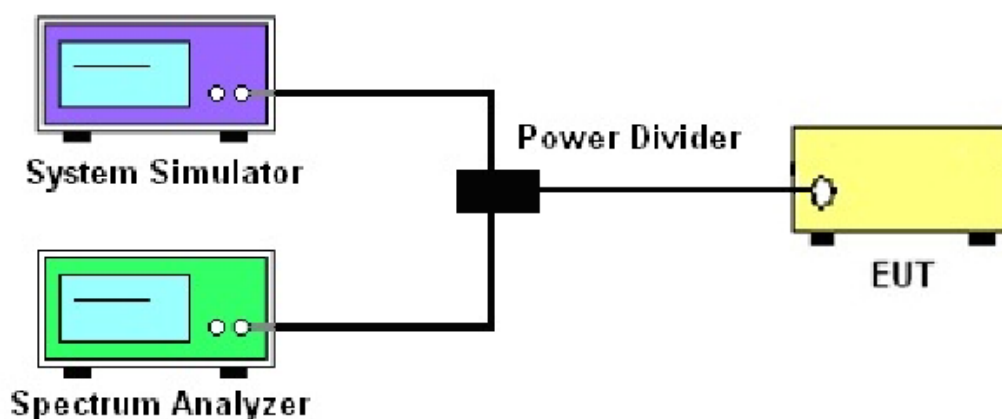
5.2.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

5.2.3 Test Procedure

- The EUT was connected to the spectrum analyzer and system simulator via a power divider.
- Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
- The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%.
- Record the deviation as Peak to Average Ratio.

5.2.4 Test Setup





5.2.5 Test Result

FDD-LTE2						
BW [MHz]	Modulation	RB Size	RB Offset	Power(dB) Low Ch./Freq	Power(dB) Middle Ch./Freq	Power(dB) High Ch./Freq
Limit	13 dB					
Judgement	Passed					
1.4	QPSK	1	0	2.98	3.08	3.17
1.4	QPSK	6	0	4.81	4.78	4.94
1.4	16QAM	1	0	3.81	3.88	3.88
1.4	16QAM	6	0	5.77	5.71	5.96
3	QPSK	1	0	2.88	2.98	2.92
3	QPSK	15	0	4.17	4.36	4.29
3	16QAM	1	0	3.75	3.85	3.75
3	16QAM	15	0	4.97	5.10	5.03
5	QPSK	1	0	2.88	3.04	2.95
5	QPSK	25	0	4.23	4.29	4.20
5	16QAM	1	0	3.62	3.72	3.81
5	16QAM	25	0	4.97	5.03	4.97
10	QPSK	1	0	2.88	3.01	2.79
10	QPSK	50	0	4.26	4.33	4.17
10	16QAM	1	0	3.72	3.75	3.53
10	16QAM	50	0	5.03	5.06	4.97
15	QPSK	1	0	2.95	2.95	2.76
15	QPSK	75	0	4.36	4.39	4.20
15	16QAM	1	0	3.78	3.78	3.53
15	16QAM	75	0	5.06	5.10	4.90
20	QPSK	1	0	2.98	3.01	2.72
20	QPSK	100	0	4.33	4.33	4.13
20	16QAM	1	0	3.94	4.10	3.30
20	16QAM	100	0	5.06	5.10	4.94

FDD-LTE4						
BW [MHz]	Modulation	RB Size	RB Offset	Power(dB) Low Ch./Freq	Power(dB) Middle Ch./Freq	Power(dB) High Ch./Freq
Limit	13 dB					
Judgement	Passed					
1.4	QPSK	1	0	3.33	3.27	3.27
1.4	QPSK	6	0	4.87	4.81	4.84
1.4	16QAM	1	0	4.20	4.13	4.20
1.4	16QAM	6	0	5.96	5.93	6.09



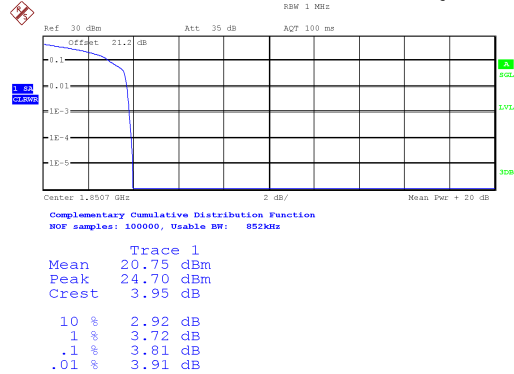
3	QPSK	1	0	3.17	3.11	3.17
3	QPSK	15	0	4.52	4.49	4.52
3	16QAM	1	0	4.07	4.04	4.01
3	16QAM	15	0	5.38	5.32	5.35
5	QPSK	1	0	3.21	3.17	3.21
5	QPSK	25	0	4.58	4.49	4.55
5	16QAM	1	0	3.97	3.94	4.10
5	16QAM	25	0	5.38	5.29	5.32
10	QPSK	1	0	3.24	3.17	3.24
10	QPSK	50	0	4.55	4.55	4.58
10	16QAM	1	0	4.13	4.10	4.07
10	16QAM	50	0	5.35	5.35	5.32
15	QPSK	1	0	3.24	3.14	3.21
15	QPSK	75	0	4.55	4.65	4.74
15	16QAM	1	0	4.10	4.01	3.85
15	16QAM	75	0	5.29	5.35	5.35
20	QPSK	1	0	3.14	3.17	3.27
20	QPSK	100	0	4.49	4.52	4.55
20	16QAM	1	0	4.04	4.07	3.91
20	16QAM	100	0	5.35	5.32	5.32



Build Your Dreams!

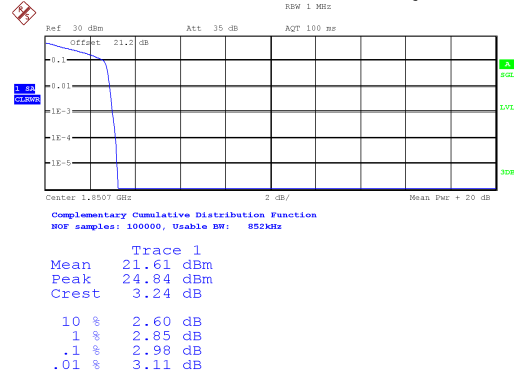
FCC RF TEST REPORT

FDD-LTE 2 BW1.4MHz Channel18607 RB1 16-QAM



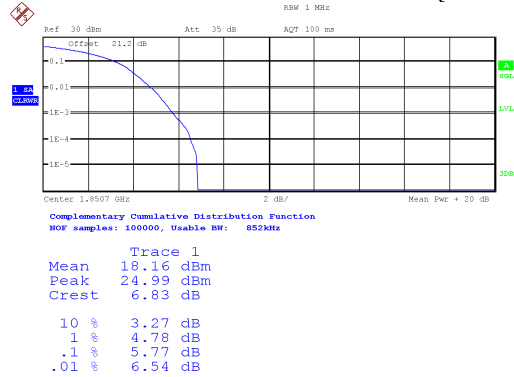
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FDD-LTE 2 BW1.4MHz Channel18607 RB1 QPSK



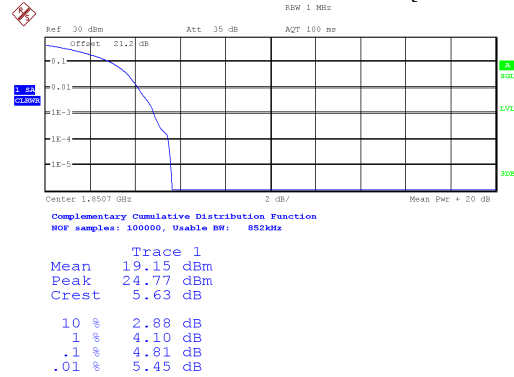
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FDD-LTE 2 BW1.4MHz Channel18607 RB6 16-QAM



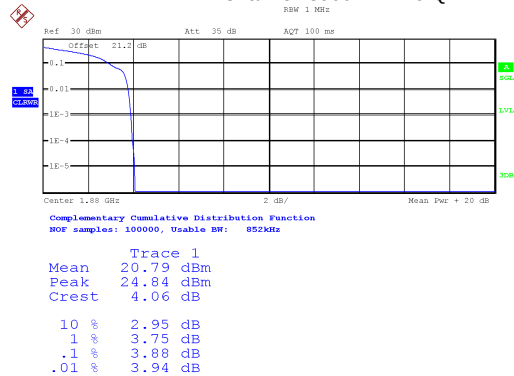
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FDD-LTE 2 BW1.4MHz Channel18607 RB6 QPSK



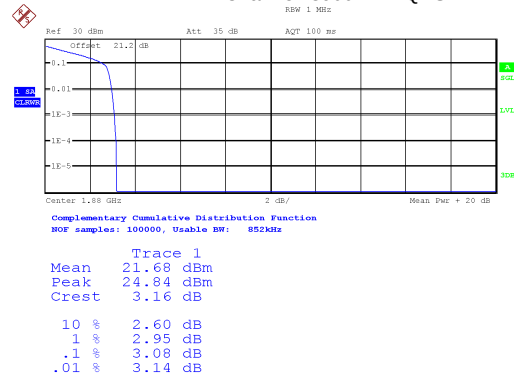
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FDD-LTE 2 BW1.4MHz Channel18900 RB1 16-QAM



Date: 4.APR.6302 03:13:23

FDD-LTE 2 BW1.4MHz Channel18900 RB1 QPSK



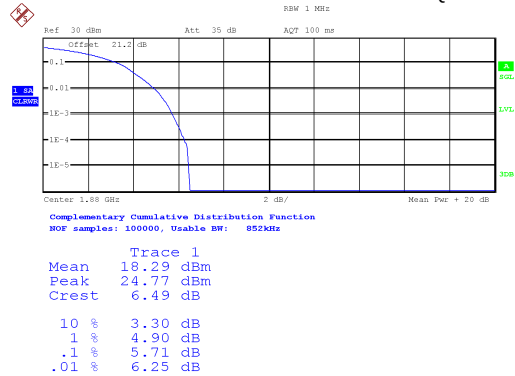
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Build Your Dreams!

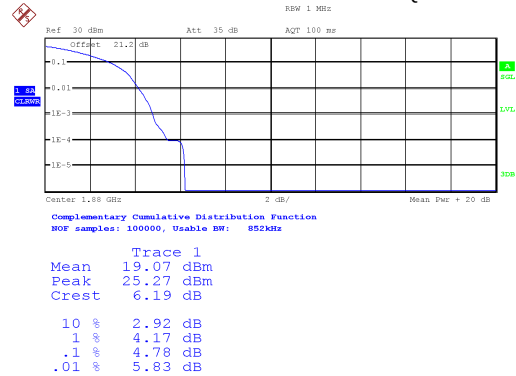
FCC RF TEST REPORT

FDD-LTE 2 BW1.4MHz Channel18900 RB6 16-QAM



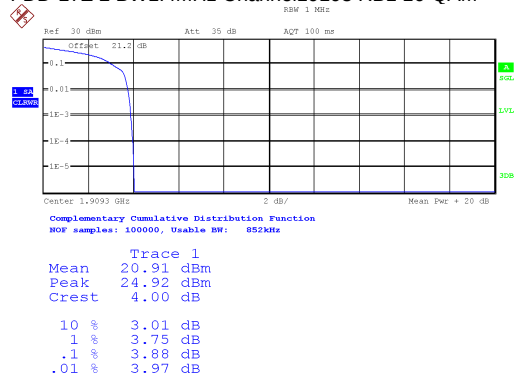
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FDD-LTE 2 BW1.4MHz Channel18900 RB6 QPSK



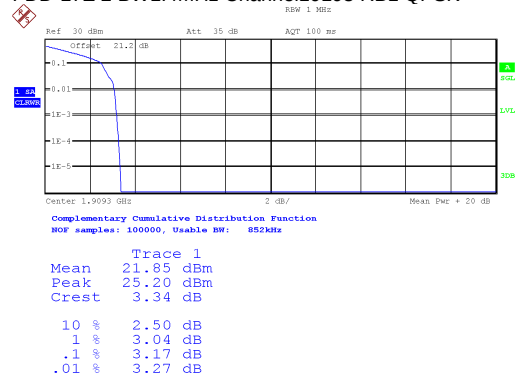
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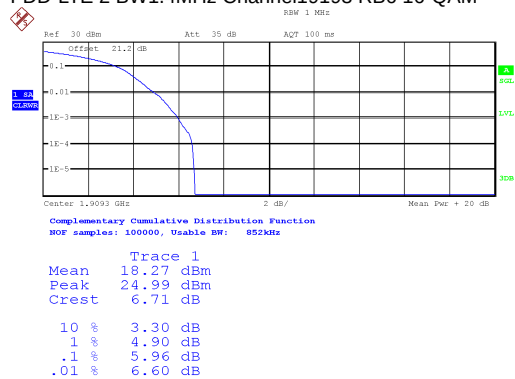
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FDD-LTE 2 BW1.4MHz Channel19193 RB1 QPSK



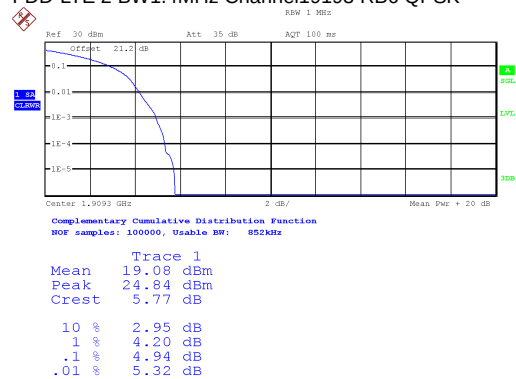
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FDD-LTE 2 BW1.4MHz Channel19193 RB6 16-QAM



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FDD-LTE 2 BW1.4MHz Channel19193 RB6 QPSK



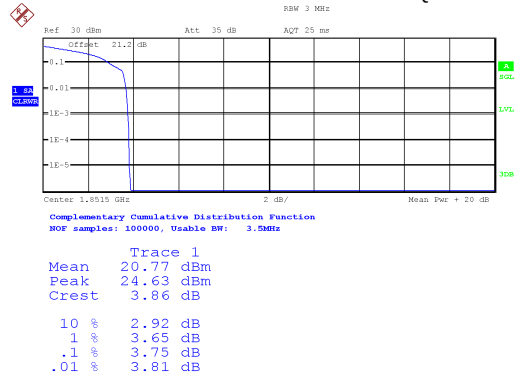
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Build Your Dreams!

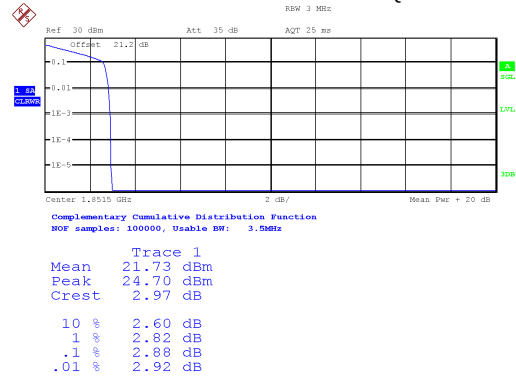
FCC RF TEST REPORT

FDD-LTE 2 BW3MHz Channel18615 RB1 16-QAM



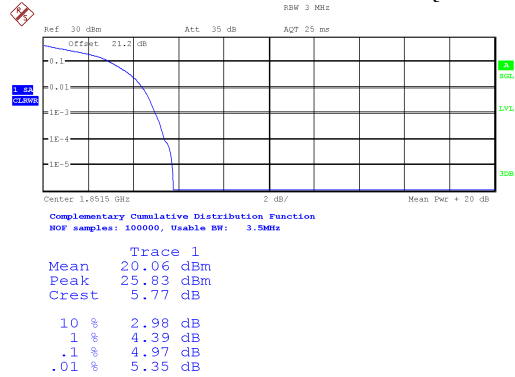
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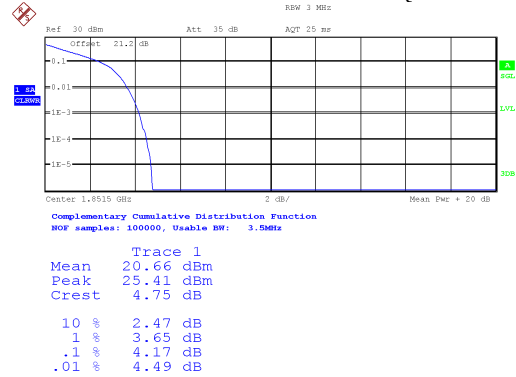
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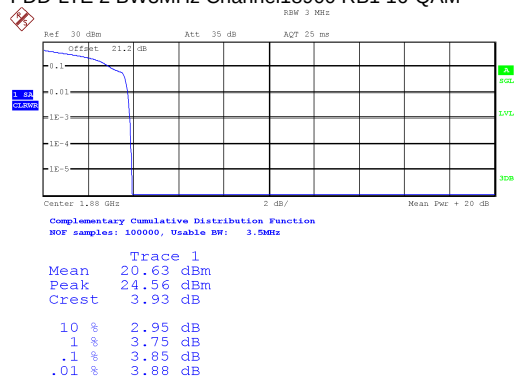
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FDD-LTE 2 BW3MHz Channel18615 RB15 QPSK



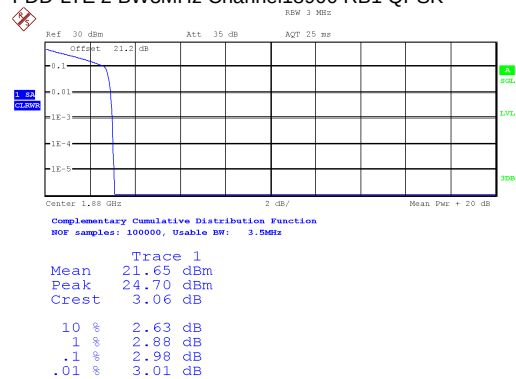
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FDD-LTE 2 BW3MHz Channel18900 RB1 16-QAM



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FDD-LTE 2 BW3MHz Channel18900 RB1 QPSK



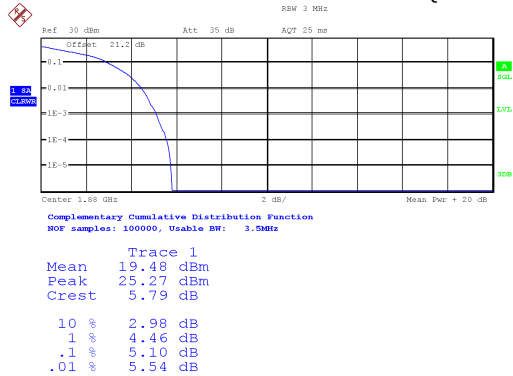
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Build Your Dreams!

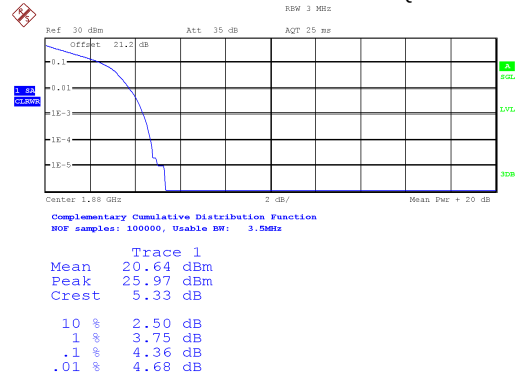
FCC RF TEST REPORT

FDD-LTE 2 BW3MHz Channel18900 RB15 16-QAM



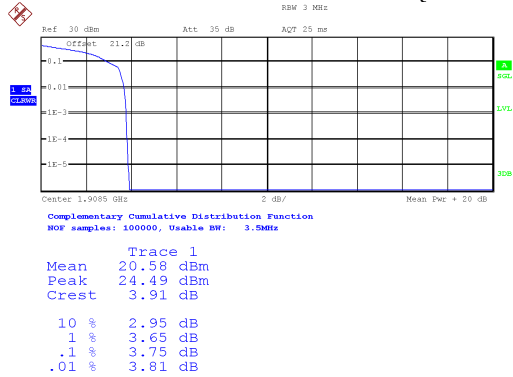
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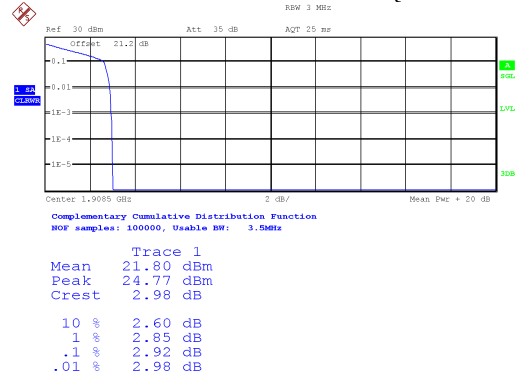
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FDD-LTE 2 BW3MHz Channel19185 RB1 16-QAM



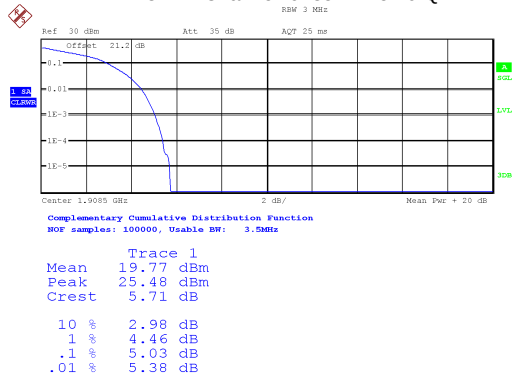
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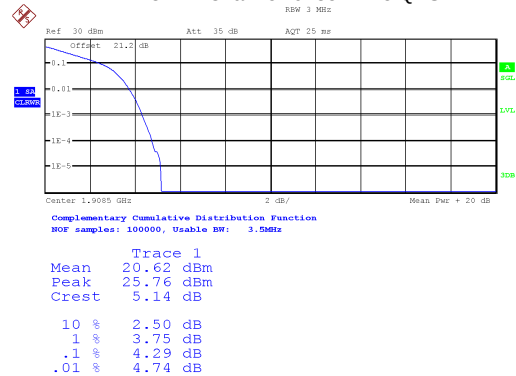
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FDD-LTE 2 BW3MHz Channel19185 RB15 QPSK



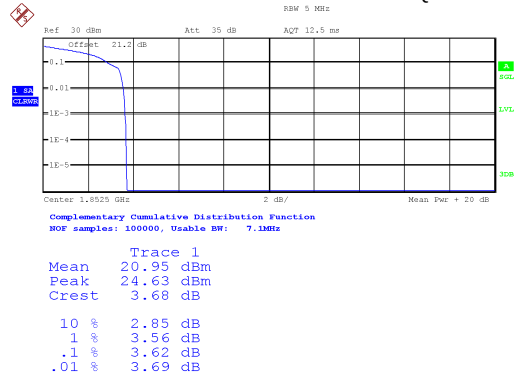
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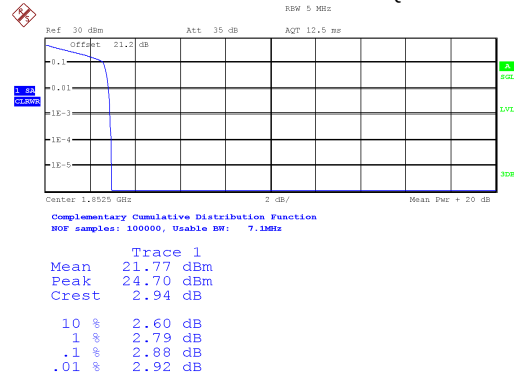
FCC RF TEST REPORT

FDD-LTE 2 BW5MHz Channel18625 RB1 16-QAM



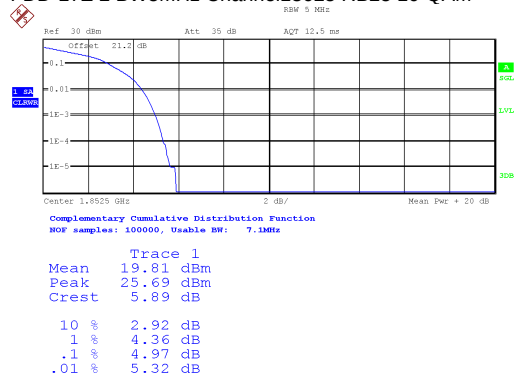
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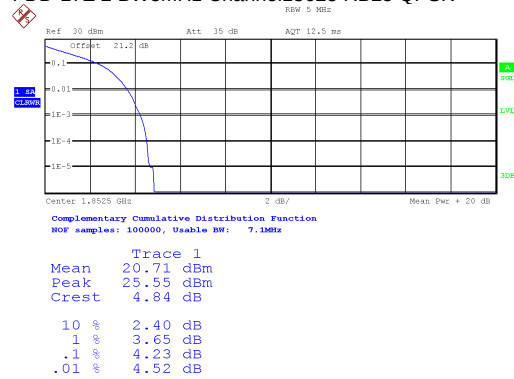
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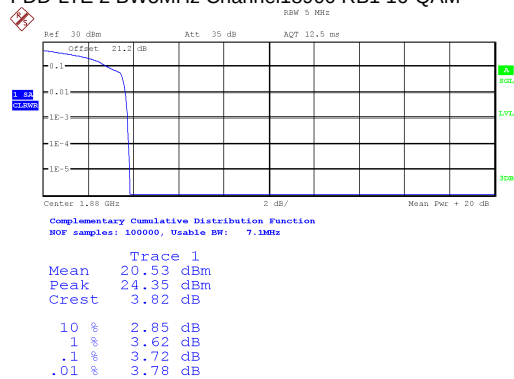
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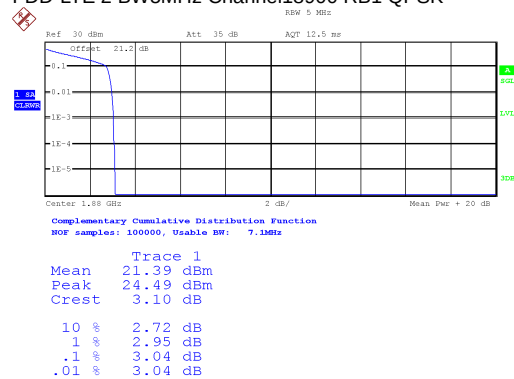
Date: 4.APR.6302 03:37:15

FDD-LTE 2 BW5MHz Channel18900 RB1 16-QAM



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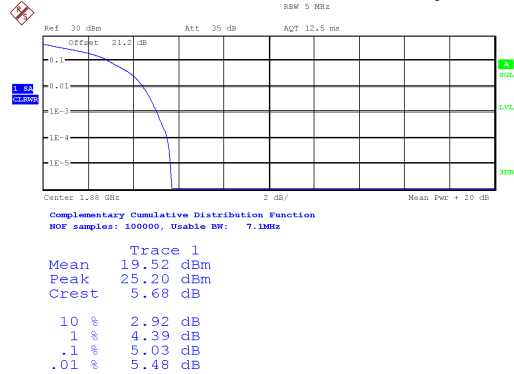
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Build Your Dreams!

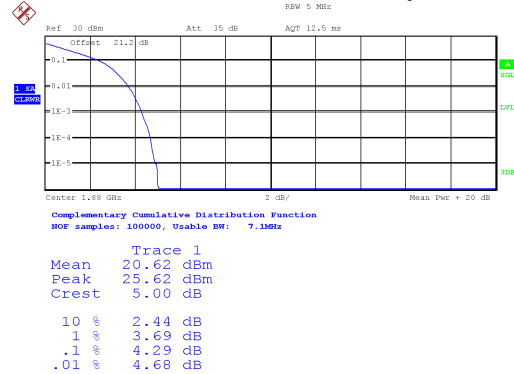
FCC RF TEST REPORT

FDD-LTE 2 BW5MHz Channel18900 RB25 16-QAM



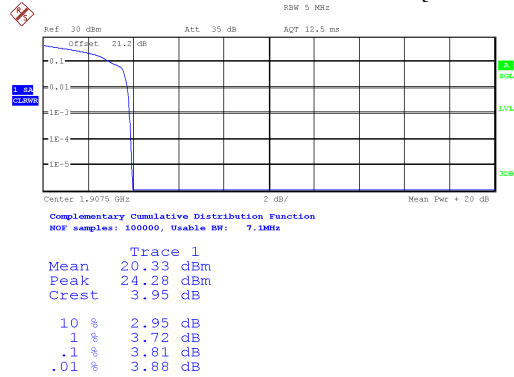
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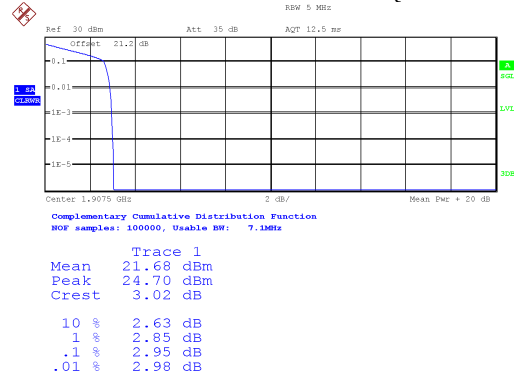
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FDD-LTE 2 BW5MHz Channel19175 RB1 16-QAM



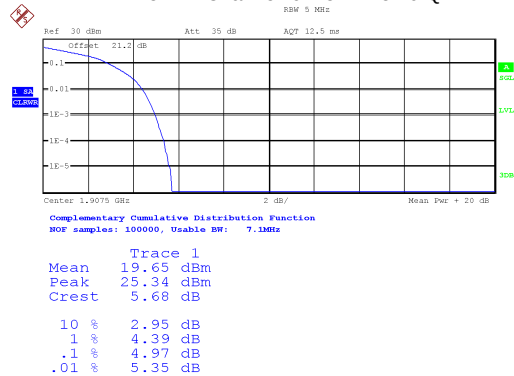
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FDD-LTE 2 BW5MHz Channel19175 RB1 QPSK



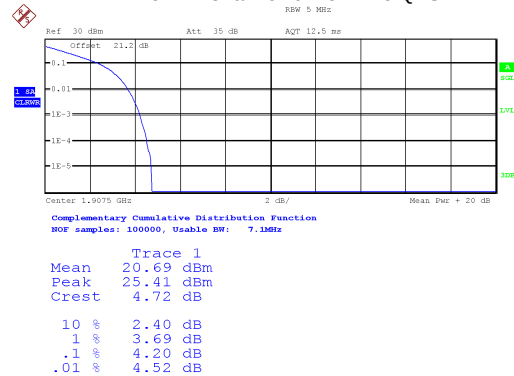
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FDD-LTE 2 BW5MHz Channel19175 RB25 16-QAM



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FDD-LTE 2 BW5MHz Channel19175 RB25 QPSK



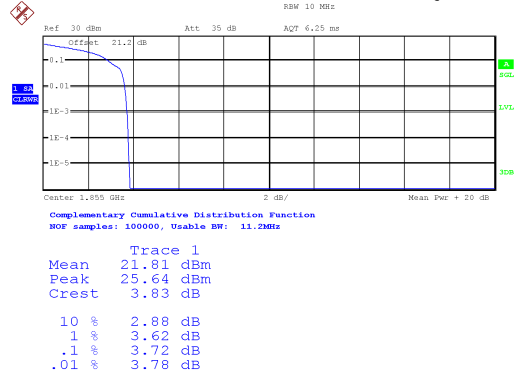
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Build Your Dreams!

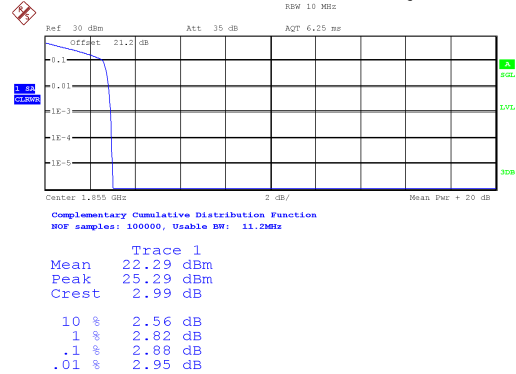
FCC RF TEST REPORT

FDD-LTE 2 BW10MHz Channel18650 RB1 16-QAM



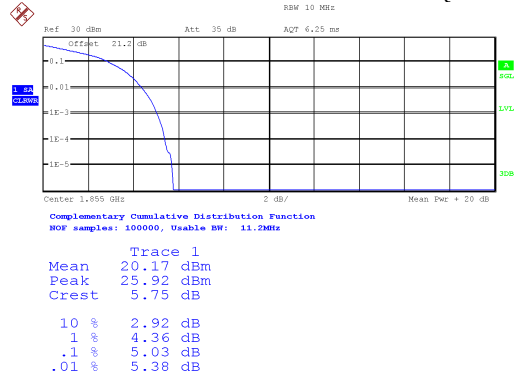
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FDD-LTE 2 BW10MHz Channel18650 RB1 QPSK



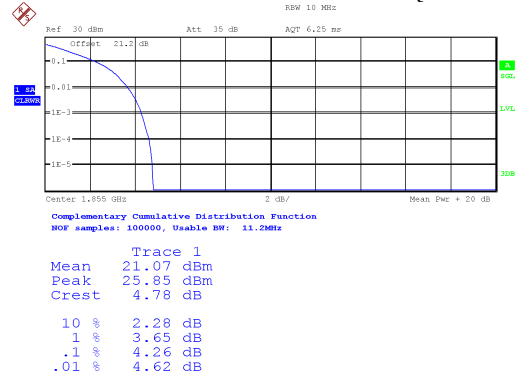
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FDD-LTE 2 BW10MHz Channel18650 RB50 16-QAM



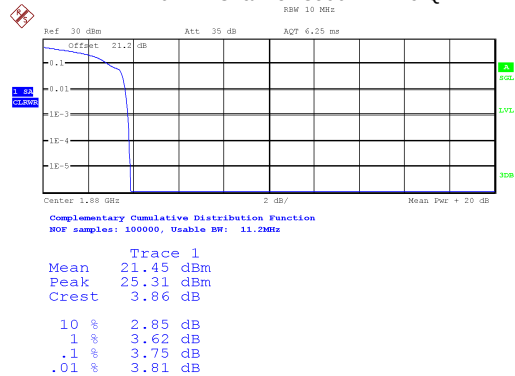
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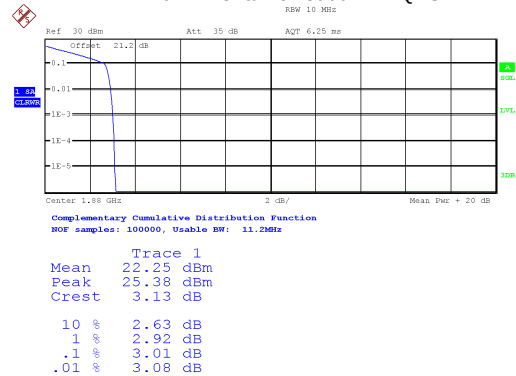
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Date: 4.APR.6302 03:57:38

FDD-LTE 2 BW10MHz Channel18900 RB1 QPSK



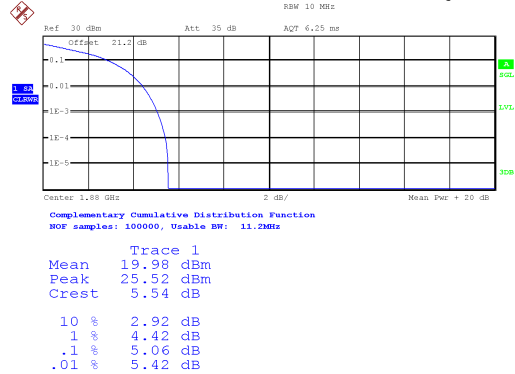
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Build Your Dreams!

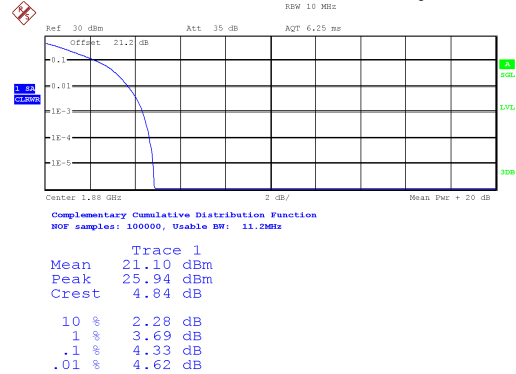
FCC RF TEST REPORT

FDD-LTE 2 BW10MHz Channel18900 RB50 16-QAM



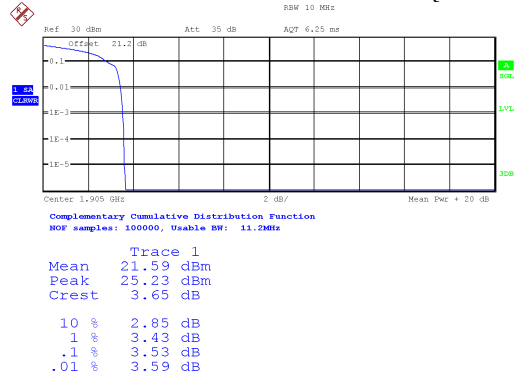
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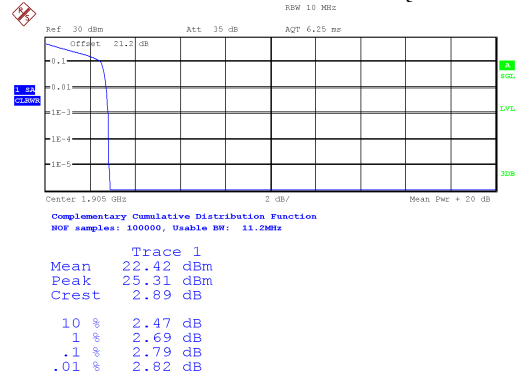
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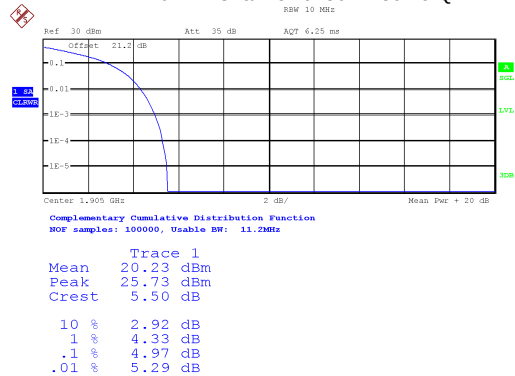
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FDD-LTE 2 BW10MHz Channel19150 RB1 QPSK



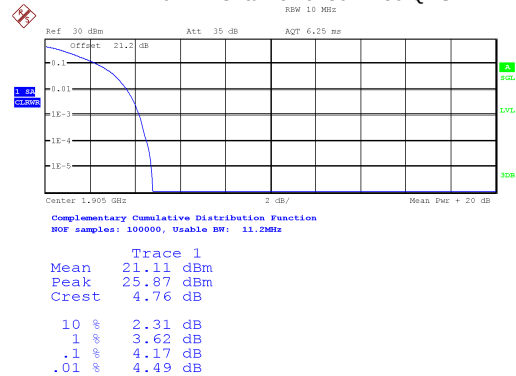
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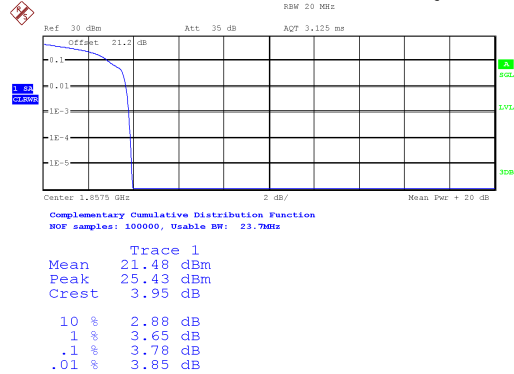
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Build Your Dreams!

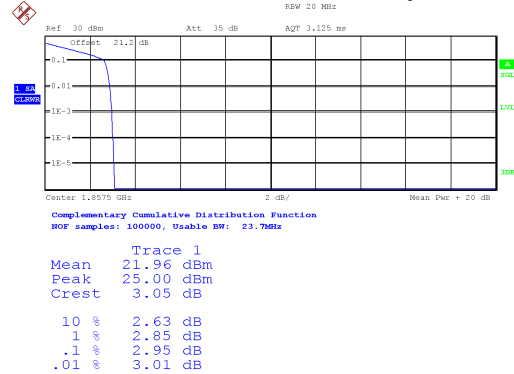
FCC RF TEST REPORT

FDD-LTE 2 BW15MHz Channel18675 RB1 16-QAM



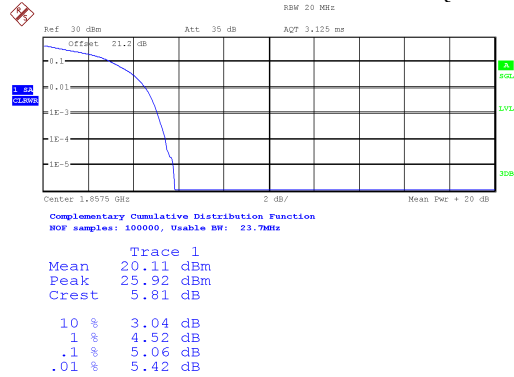
Date: 4.APR.6302 04:07:45

FDD-LTE 2 BW15MHz Channel18675 RB1 QPSK



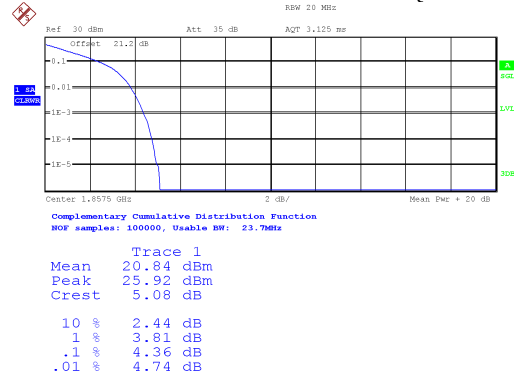
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FDD-LTE 2 BW15MHz Channel18675 RB75 16-QAM



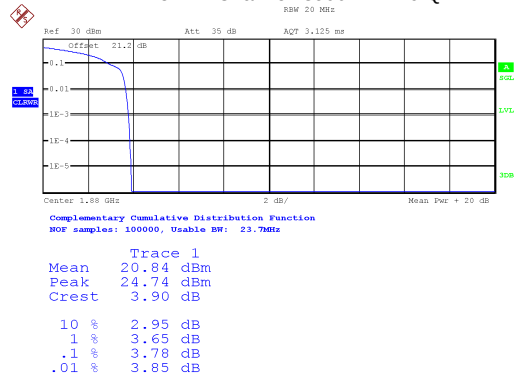
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FDD-LTE 2 BW15MHz Channel18675 RB75 QPSK



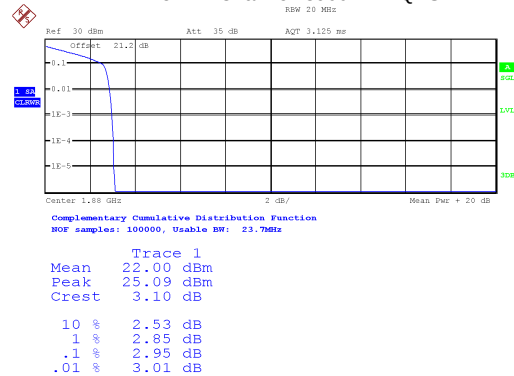
Date: 4.APR.6302 04:07:38

FDD-LTE 2 BW15MHz Channel18900 RB1 16-QAM



Date: 4.APR.6302 04:13:19

FDD-LTE 2 BW15MHz Channel18900 RB1 QPSK



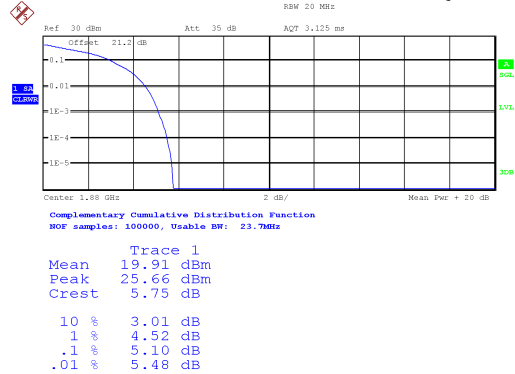
Date: 4.APR.6302 04:13:05



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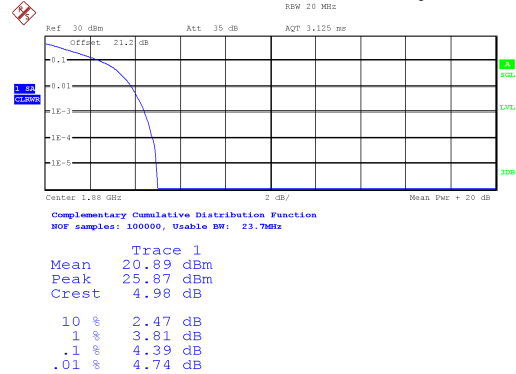
FCC RF TEST REPORT

FDD-LTE 2 BW15MHz Channel18900 RB75 16-QAM



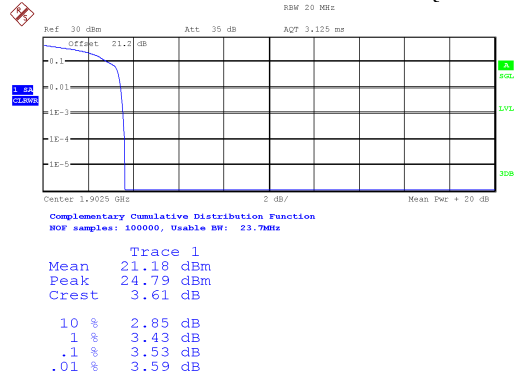
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FDD-LTE 2 BW15MHz Channel18900 RB75 QPSK



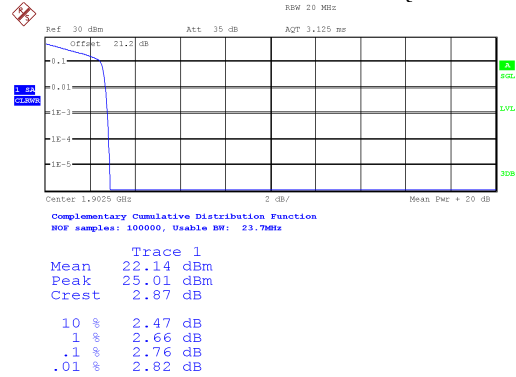
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FDD-LTE 2 BW15MHz Channel19125 RB1 16-QAM



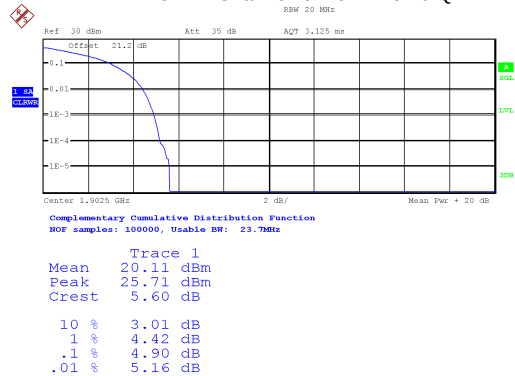
Date: 4.APR.6302 04:16:59

FDD-LTE 2 BW15MHz Channel19125 RB1 QPSK



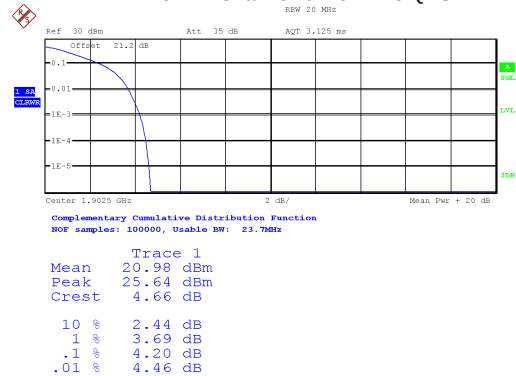
Date: 4.APR.6302 04:16:45

FDD-LTE 2 BW15MHz Channel19125 RB75 16-QAM



Date: 4.APR.6302 04:17:06

FDD-LTE 2 BW15MHz Channel19125 RB75 QPSK



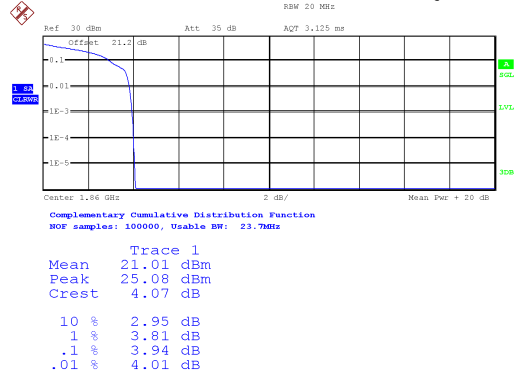
Date: 4.APR.6302 04:16:52



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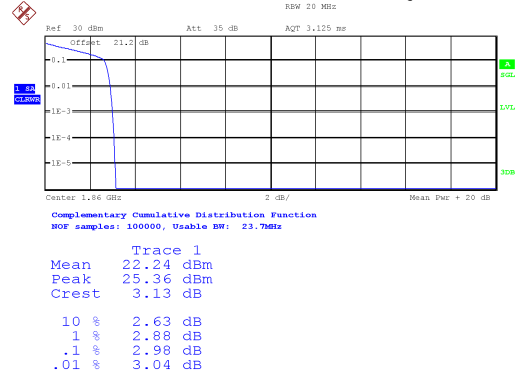
FCC RF TEST REPORT

FDD-LTE 2 BW20MHz Channel18700 RB1 16-QAM



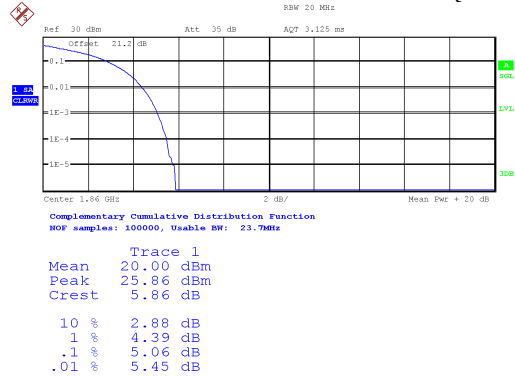
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FDD-LTE 2 BW20MHz Channel18700 RB1 QPSK



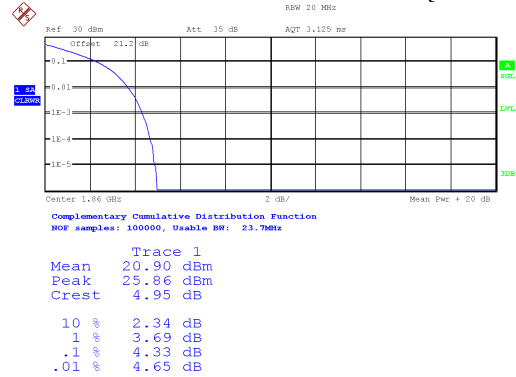
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FDD-LTE 2 BW20MHz Channel18700 RB100 16-QAM



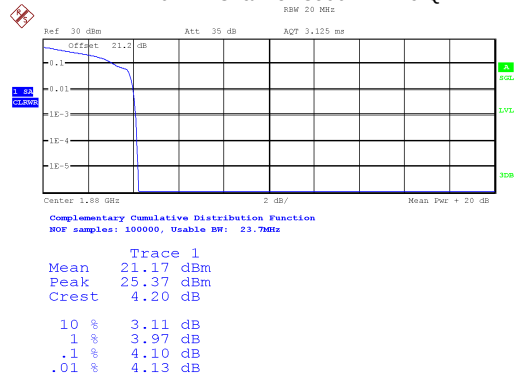
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FDD-LTE 2 BW20MHz Channel18700 RB100 QPSK



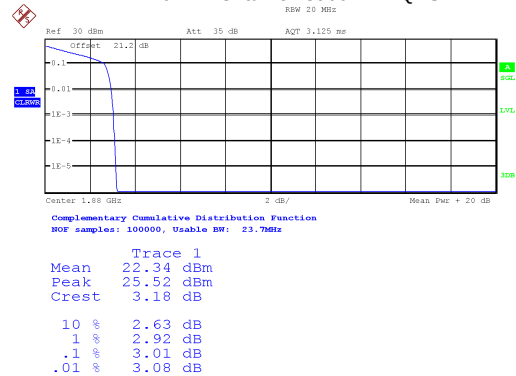
Date: 4.APR.6302 04:23:32

FDD-LTE 2 BW20MHz Channel18900 RB1 16-QAM



Date: 4.APR.6302 04:29:17

FDD-LTE 2 BW20MHz Channel18900 RB1 QPSK



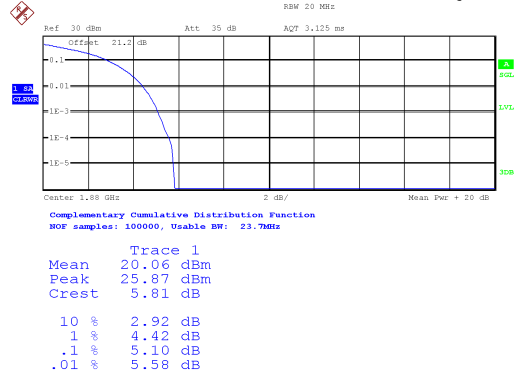
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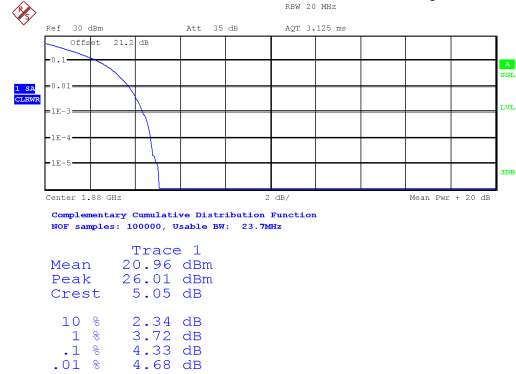
FCC RF TEST REPORT

FDD-LTE 2 BW20MHz Channel18900 RB100 16-QAM



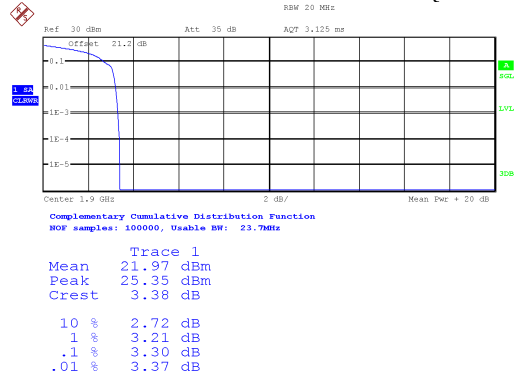
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FDD-LTE 2 BW20MHz Channel18900 RB100 QPSK



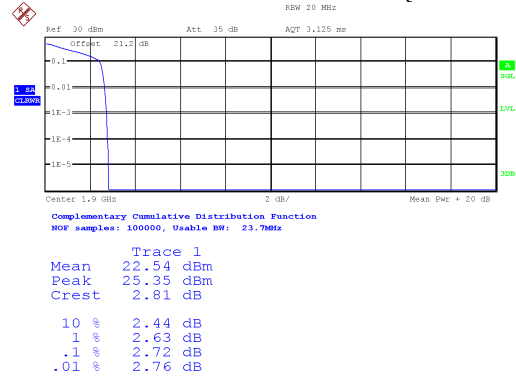
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FDD-LTE 2 BW20MHz Channel19100 RB1 16-QAM



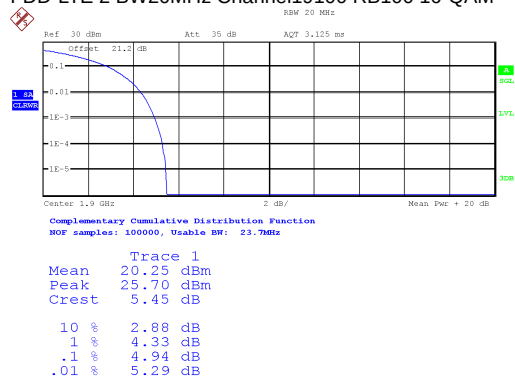
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FDD-LTE 2 BW20MHz Channel19100 RB1 QPSK



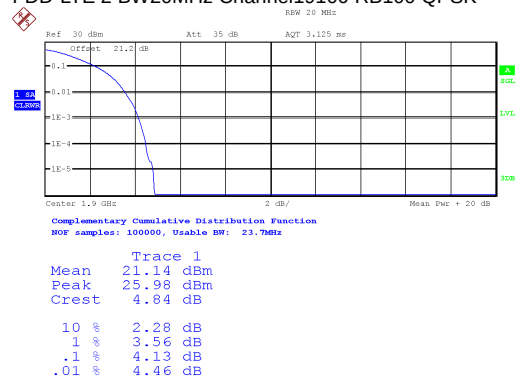
Date: 4.APR.6302 04:32:48

FDD-LTE 2 BW20MHz Channel19100 RB100 16-QAM



Date: 4.APR.6302 04:33:09

FDD-LTE 2 BW20MHz Channel19100 RB100 QPSK



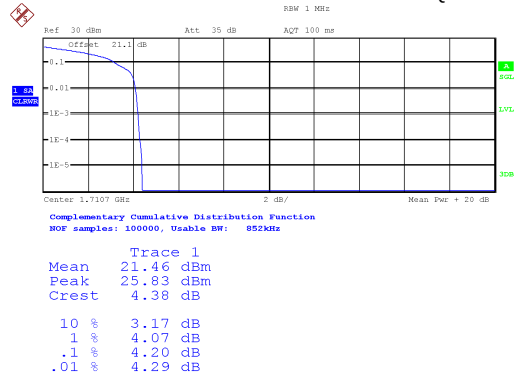
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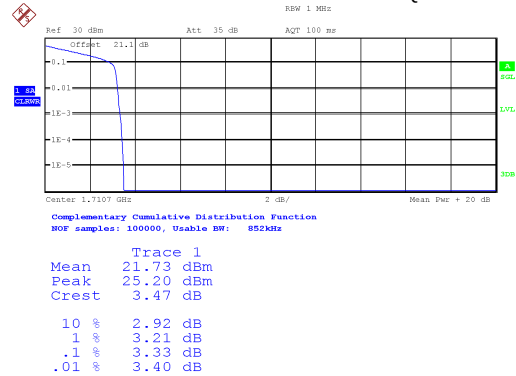
FCC RF TEST REPORT

FDD-LTE 4 BW1.4MHz Channel19957 RB1 16-QAM



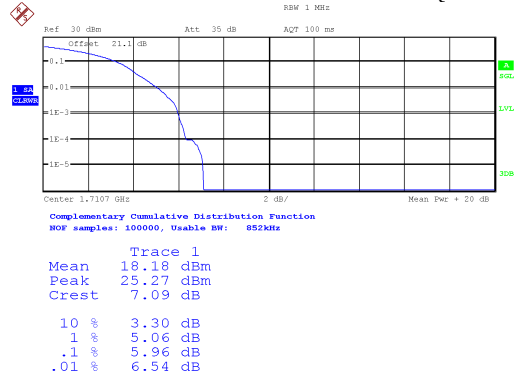
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FDD-LTE 4 BW1.4MHz Channel19957 RB1 QPSK



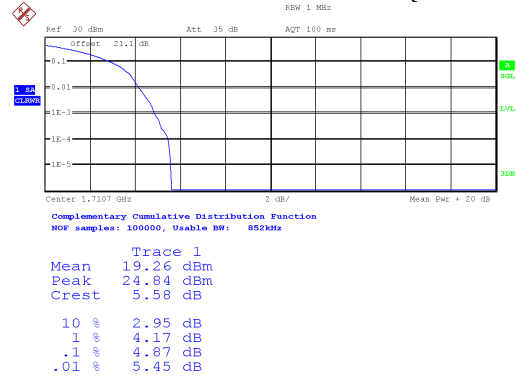
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FDD-LTE 4 BW1.4MHz Channel19957 RB6 16-QAM



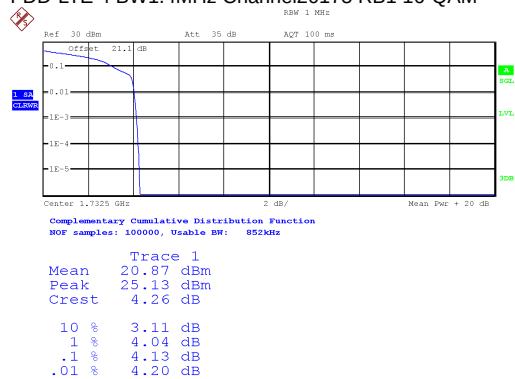
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FDD-LTE 4 BW1.4MHz Channel19957 RB6 QPSK



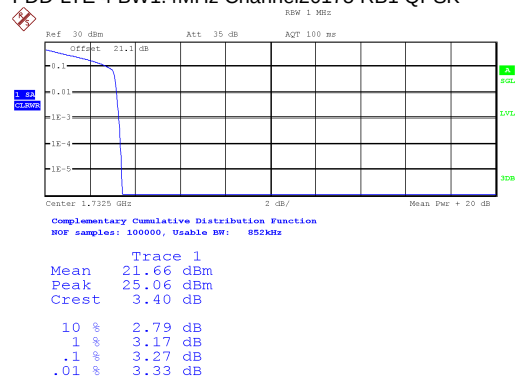
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FDD-LTE 4 BW1.4MHz Channel20175 RB1 16-QAM



Date: 4.APR.6302 04:44:59

FDD-LTE 4 BW1.4MHz Channel20175 RB1 QPSK



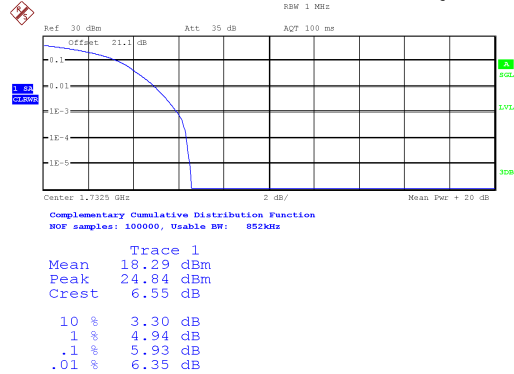
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Build Your Dreams!

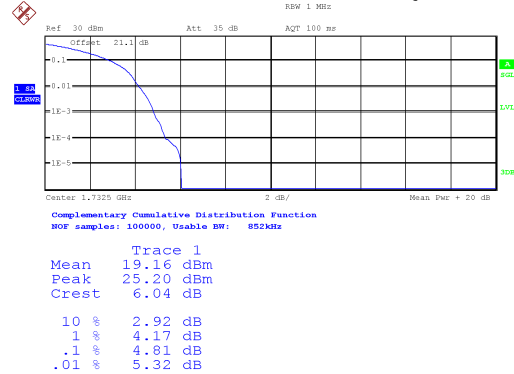
FCC RF TEST REPORT

FDD-LTE 4 BW1.4MHz Channel20175 RB6 16-QAM



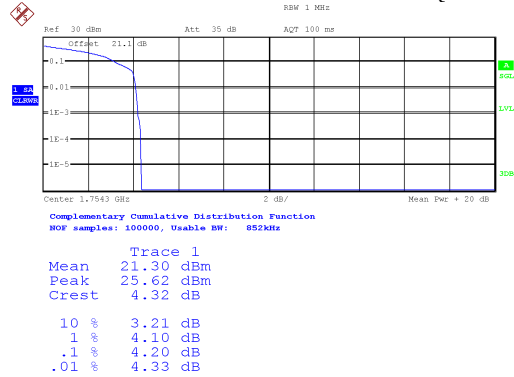
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FDD-LTE 4 BW1.4MHz Channel20175 RB6 QPSK



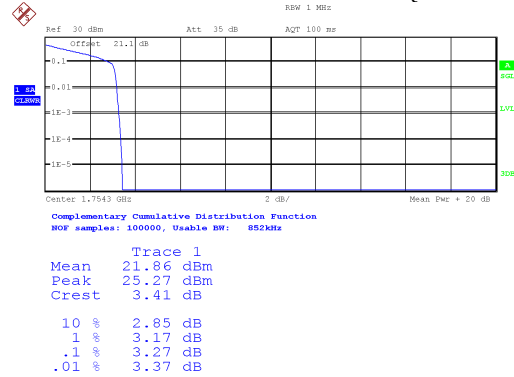
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FDD-LTE 4 BW1.4MHz Channel20393 RB1 16-QAM



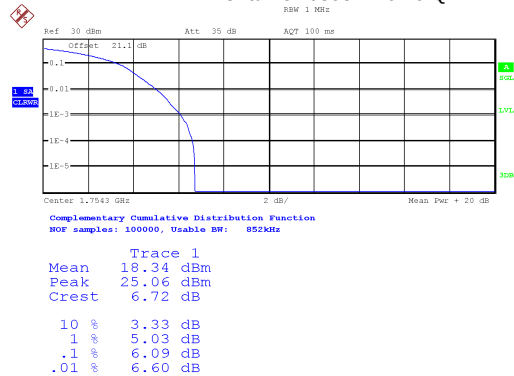
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FDD-LTE 4 BW1.4MHz Channel20393 RB1 QPSK



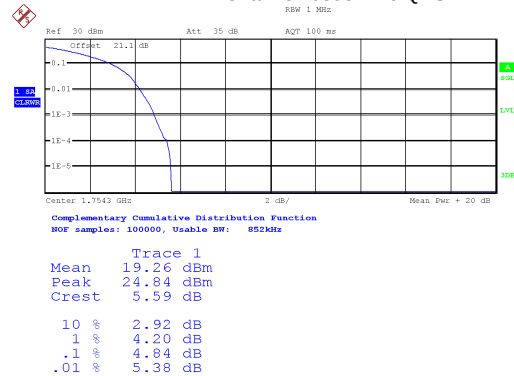
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FDD-LTE 4 BW1.4MHz Channel20393 RB6 16-QAM



Date: 4.APR.6302 04:48:48

FDD-LTE 4 BW1.4MHz Channel20393 RB6 QPSK



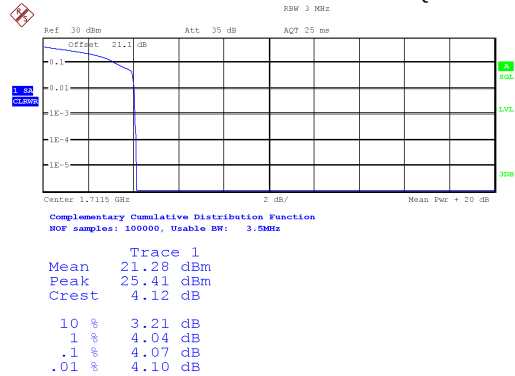
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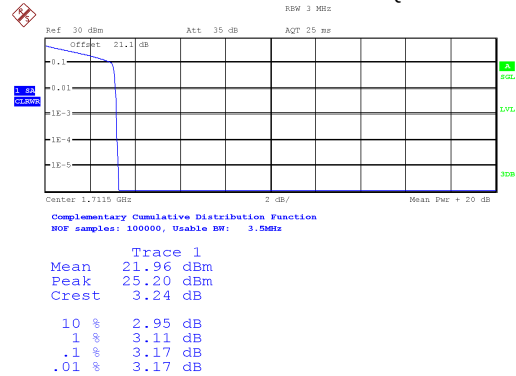
FCC RF TEST REPORT

FDD-LTE 4 BW3MHz Channel19965 RB1 16-QAM



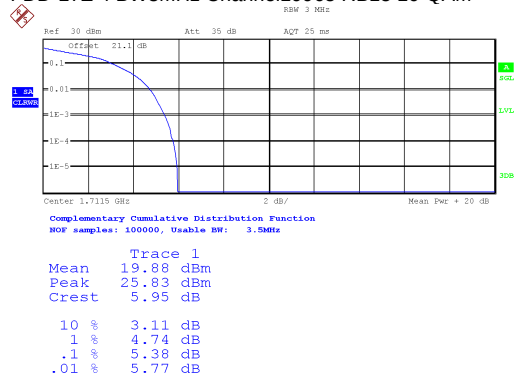
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FDD-LTE 4 BW3MHz Channel19965 RB1 QPSK



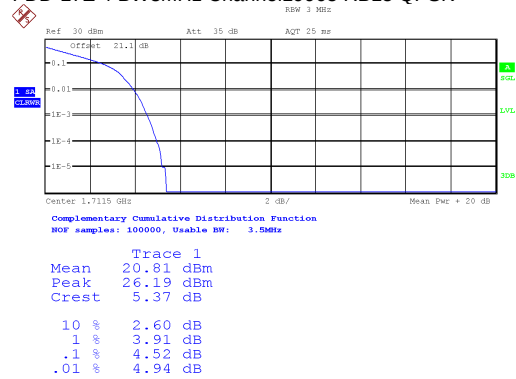
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FDD-LTE 4 BW3MHz Channel19965 RB15 16-QAM



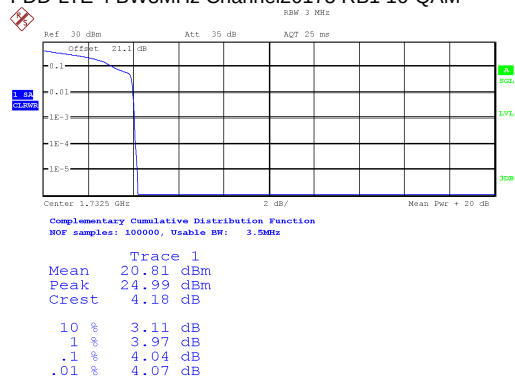
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FDD-LTE 4 BW3MHz Channel19965 RB15 QPSK



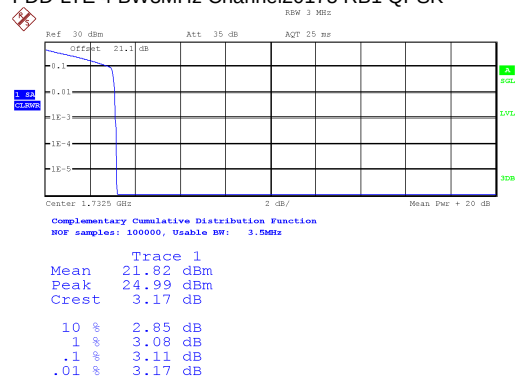
Date: 4.APR.6302 04:55:07

FDD-LTE 4 BW3MHz Channel20175 RB1 16-QAM



Date: 4.APR.6302 05:00:50

FDD-LTE 4 BW3MHz Channel20175 RB1 QPSK



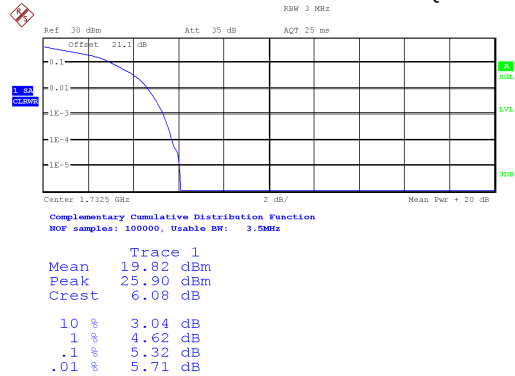
Date: 4.APR.6302 05:00:35



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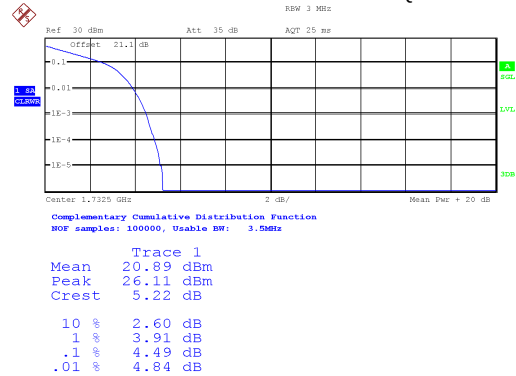
FCC RF TEST REPORT

FDD-LTE 4 BW3MHz Channel20175 RB15 16-QAM



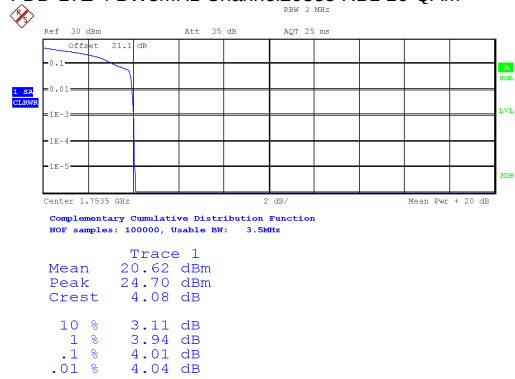
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FDD-LTE 4 BW3MHz Channel20175 RB15 QPSK



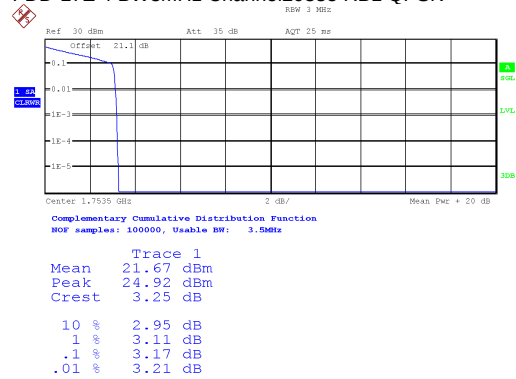
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FDD-LTE 4 BW3MHz Channel20385 RB1 16-QAM



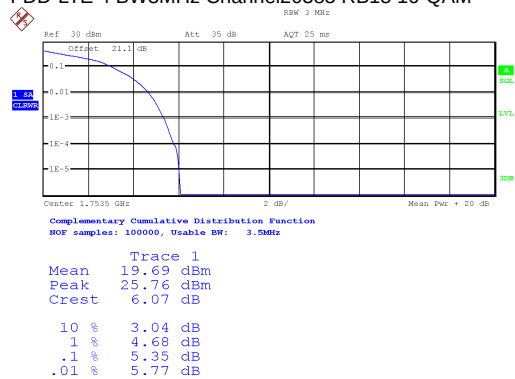
Date: 4.APR.6302 05:04:30

FDD-LTE 4 BW3MHz Channel20385 RB1 QPSK



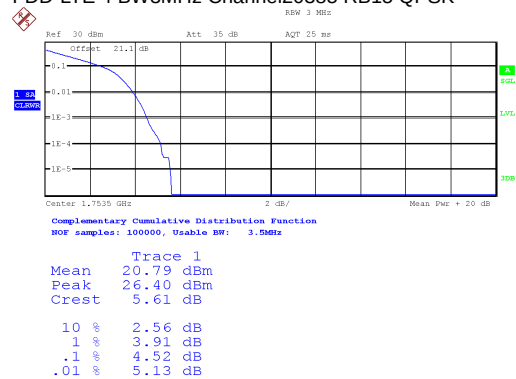
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FDD-LTE 4 BW3MHz Channel20385 RB15 16-QAM



Date: 4.APR.6302 05:04:37

FDD-LTE 4 BW3MHz Channel20385 RB15 QPSK



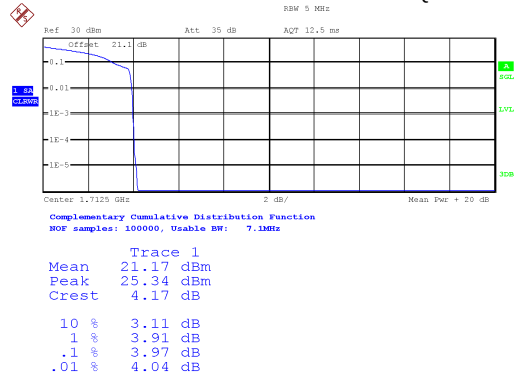
Date: 4.APR.6302 05:04:23



Build Your Dreams!

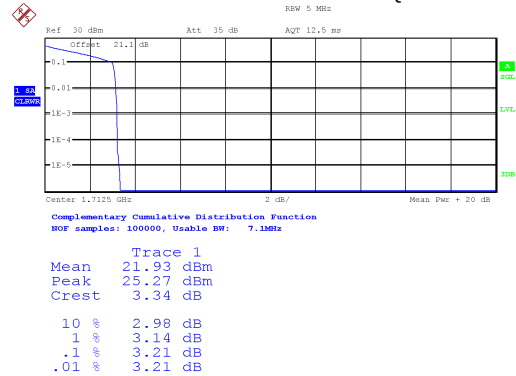
FCC RF TEST REPORT

FDD-LTE 4 BW5MHz Channel19975 RB1 16-QAM



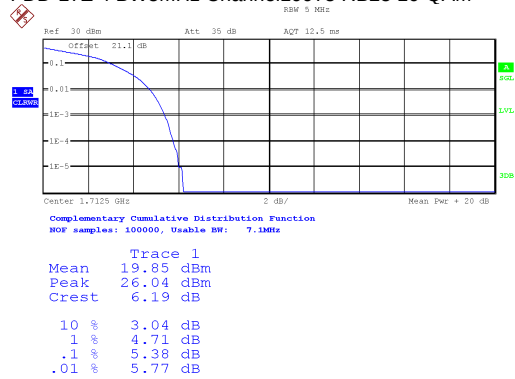
Date: 4.APR.6302 05:11:04

FDD-LTE 4 BW5MHz Channel19975 RB1 QPSK



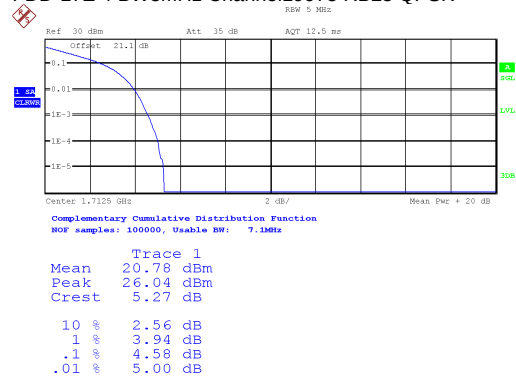
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FDD-LTE 4 BW5MHz Channel19975 RB25 16-QAM



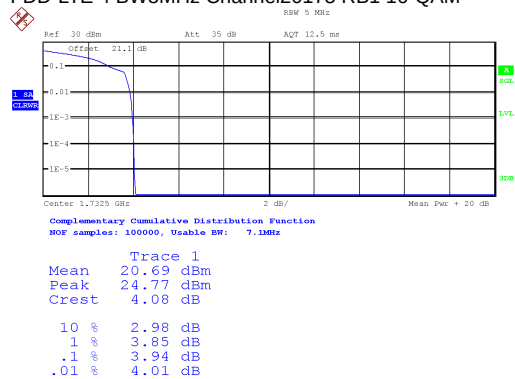
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FDD-LTE 4 BW5MHz Channel19975 RB25 QPSK



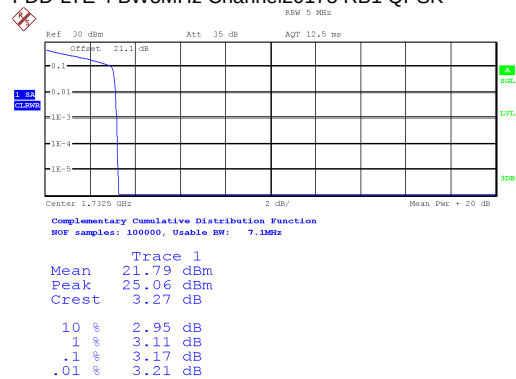
Date: 4.APR.6302 05:10:57

FDD-LTE 4 BW5MHz Channel20175 RB1 16-QAM



Date: 4.APR.6302 05:16:42

FDD-LTE 4 BW5MHz Channel20175 RB1 QPSK



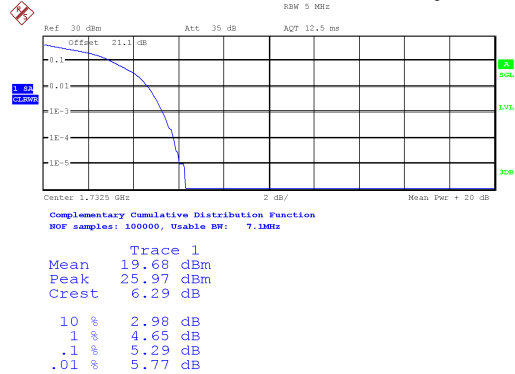
Date: 4.APR.6302 05:16:28



Build Your Dreams!

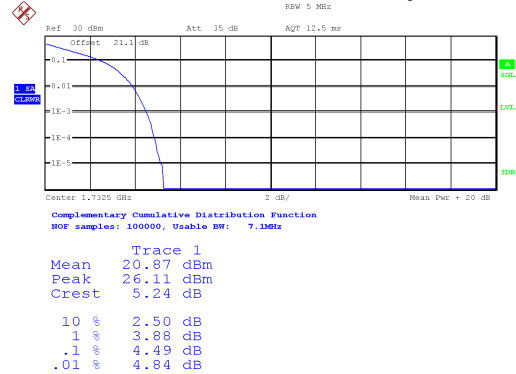
FCC RF TEST REPORT

FDD-LTE 4 BW5MHz Channel20175 RB25 16-QAM



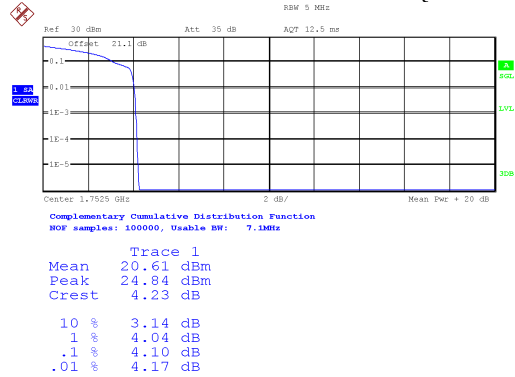
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FDD-LTE 4 BW5MHz Channel20175 RB25 QPSK



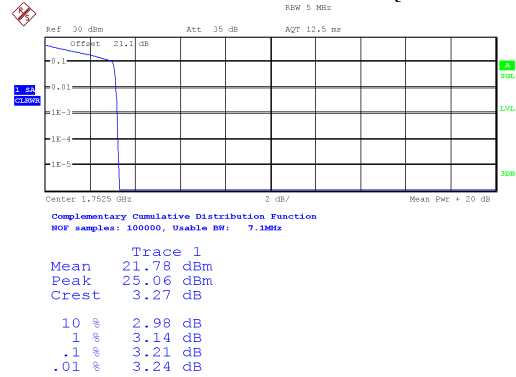
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FDD-LTE 4 BW5MHz Channel20375 RB1 16-QAM



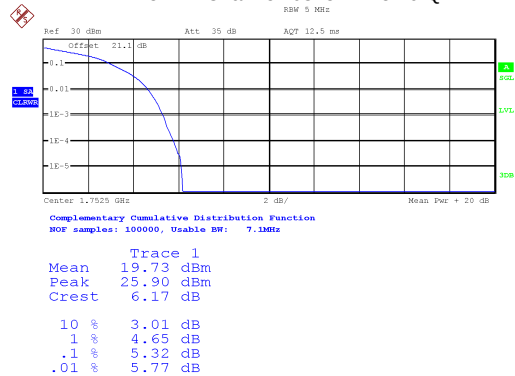
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FDD-LTE 4 BW5MHz Channel20375 RB1 QPSK



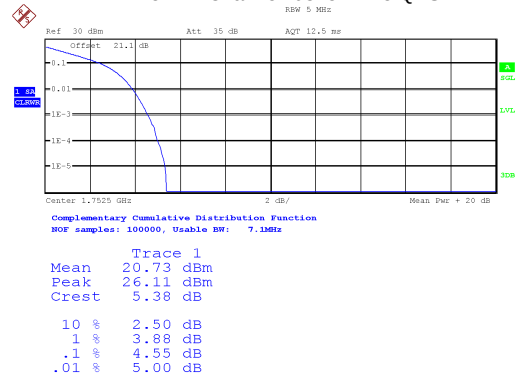
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FDD-LTE 4 BW5MHz Channel20375 RB25 16-QAM



Date: 4.APR.6302 05:20:37

FDD-LTE 4 BW5MHz Channel20375 RB25 QPSK



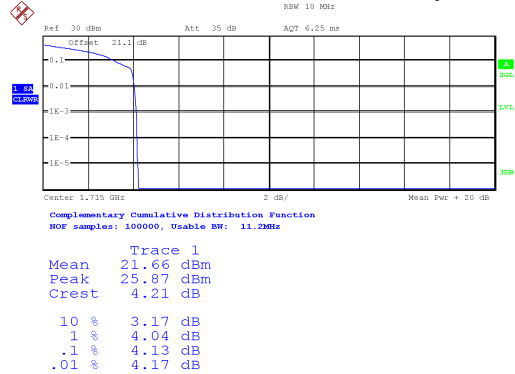
Date: 4.APR.6302 05:20:23



Build Your Dreams!

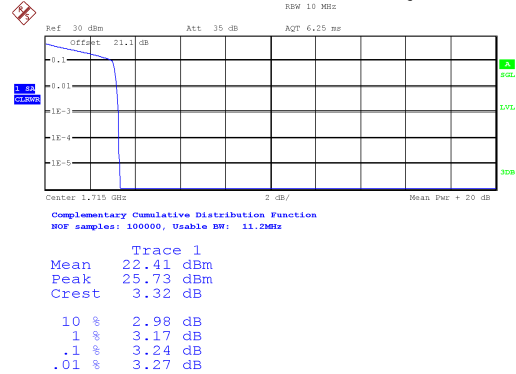
FCC RF TEST REPORT

FDD-LTE 4 BW10MHz Channel20000 RB1 16-QAM



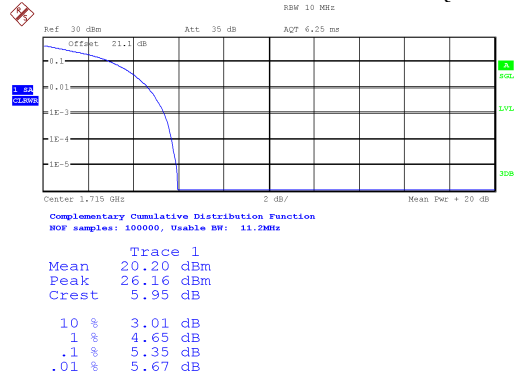
Date: 4.APR.6302 05:27:23

FDD-LTE 4 BW10MHz Channel20000 RB1 QPSK



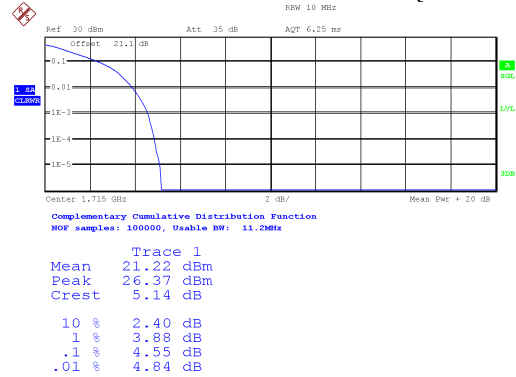
Date: 4.APR.6302 05:27:08

FDD-LTE 4 BW10MHz Channel20000 RB50 16-QAM



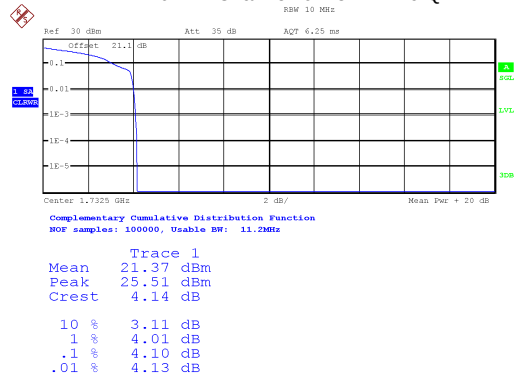
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FDD-LTE 4 BW10MHz Channel20000 RB50 QPSK



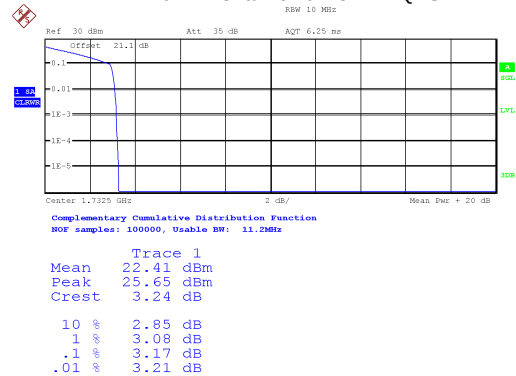
Date: 4.APR.6302 05:27:16

FDD-LTE 4 BW10MHz Channel20175 RB1 16-QAM



Date: 4.APR.6302 05:33:11

FDD-LTE 4 BW10MHz Channel20175 RB1 QPSK



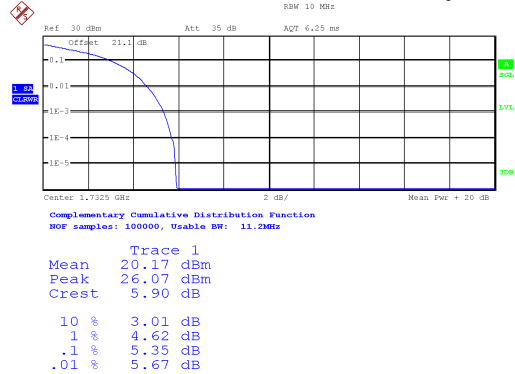
Date: 4.APR.6302 05:32:57



Build Your Dreams!

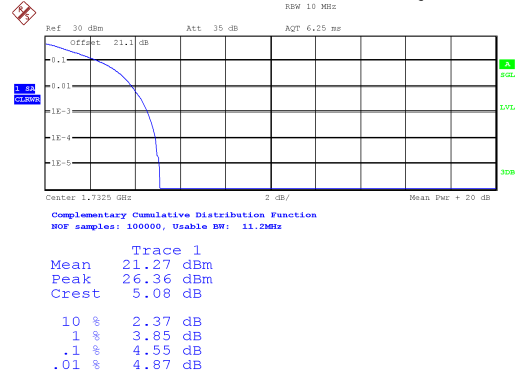
FCC RF TEST REPORT

FDD-LTE 4 BW10MHz Channel20175 RB50 16-QAM



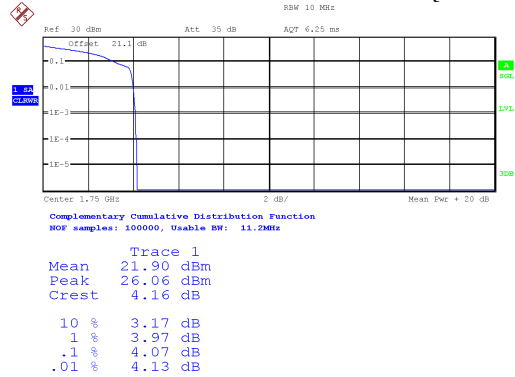
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FDD-LTE 4 BW10MHz Channel20175 RB50 QPSK



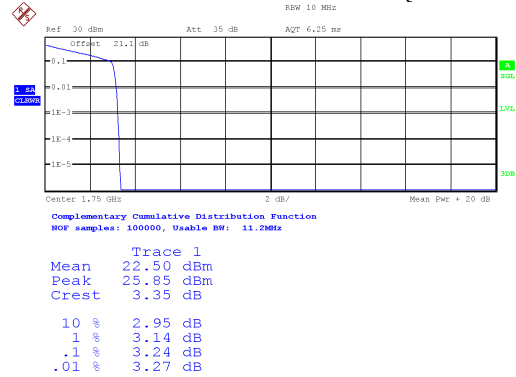
Date: 4.APR.6302 05:33:04

FDD-LTE 4 BW10MHz Channel20350 RB1 16-QAM



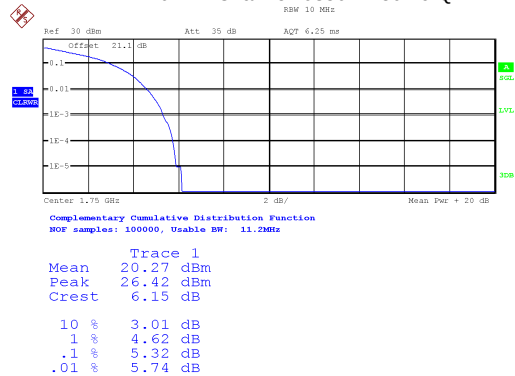
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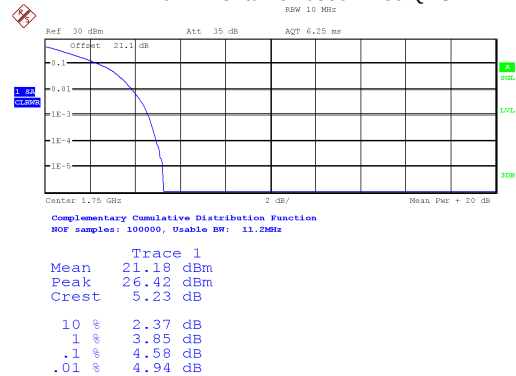
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Date: 4.APR.6302 05:37:23

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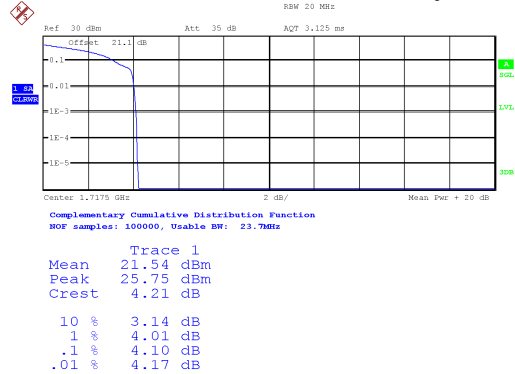
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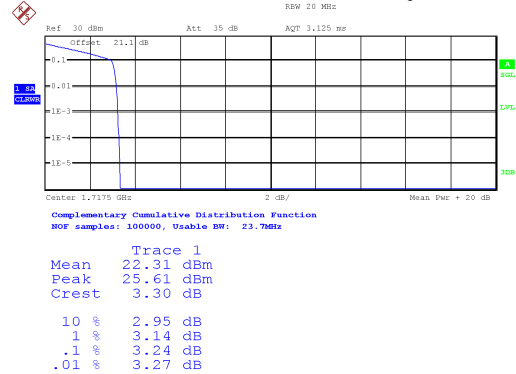
FCC RF TEST REPORT

FDD-LTE 4 BW15MHz Channel20025 RB1 16-QAM



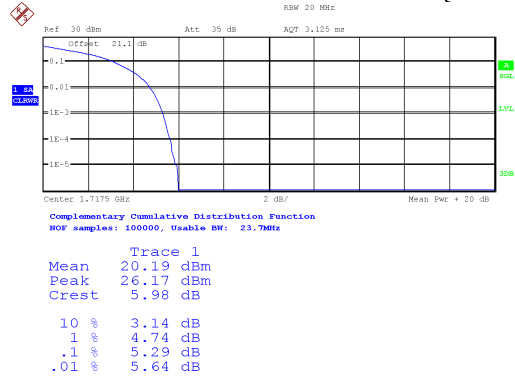
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FDD-LTE 4 BW15MHz Channel20025 RB1 QPSK



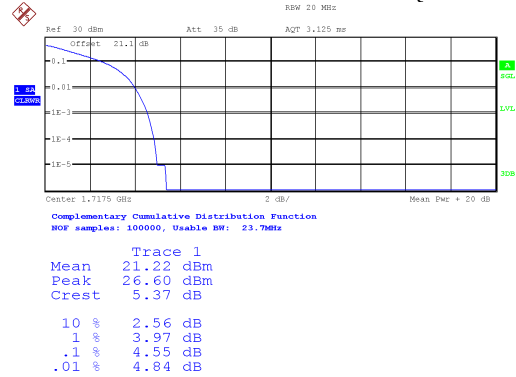
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FDD-LTE 4 BW15MHz Channel20025 RB75 16-QAM



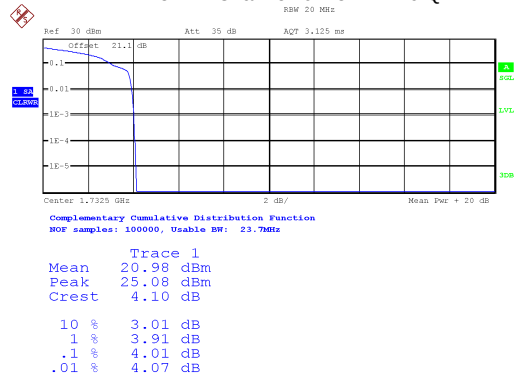
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FDD-LTE 4 BW15MHz Channel20025 RB75 QPSK



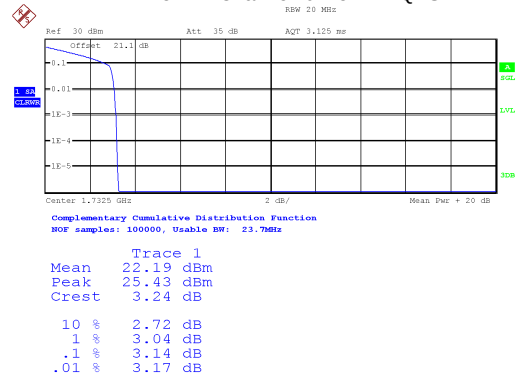
Date: 4.APR.6302 05:44:09

FDD-LTE 4 BW15MHz Channel20175 RB1 16-QAM



Date: 4.APR.6302 05:50:18

FDD-LTE 4 BW15MHz Channel20175 RB1 QPSK



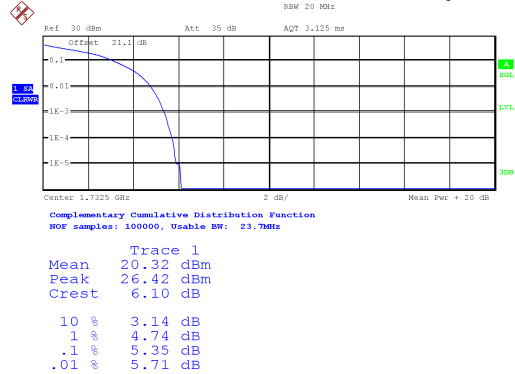
Date: 4.APR.6302 05:50:03



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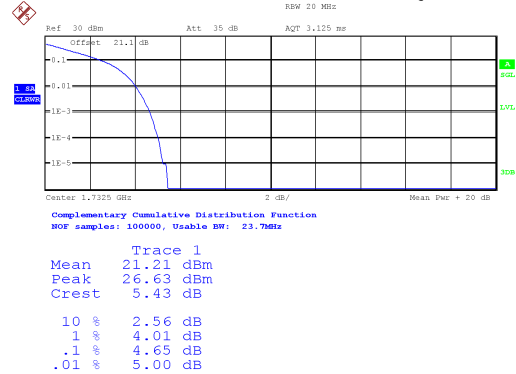
FCC RF TEST REPORT

FDD-LTE 4 BW15MHz Channel20175 RB75 16-QAM



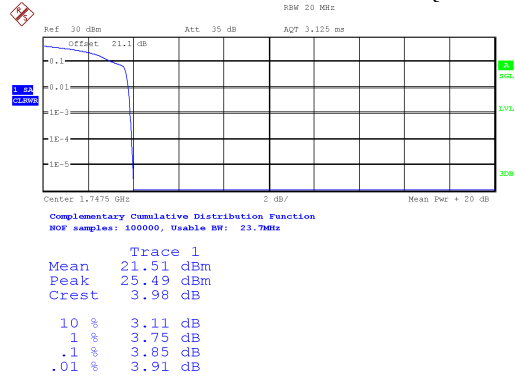
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FDD-LTE 4 BW15MHz Channel20175 RB75 QPSK



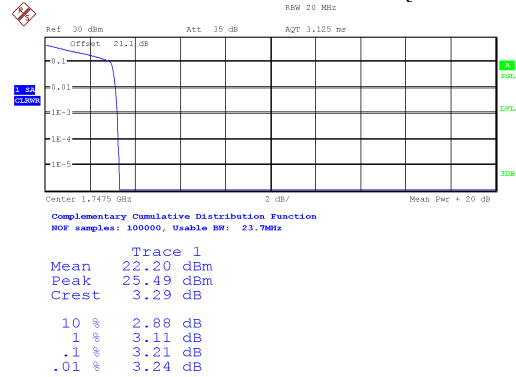
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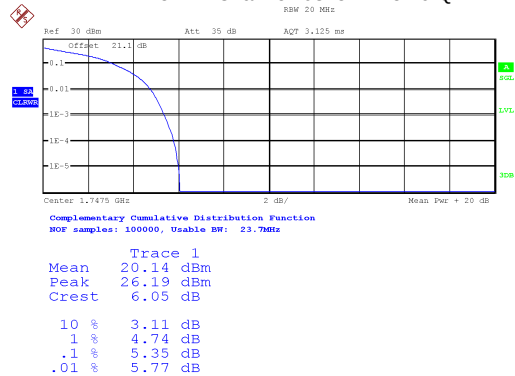
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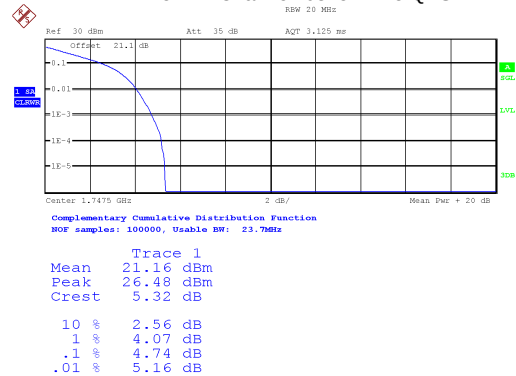
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Date: 4.APR.6302 05:54:36

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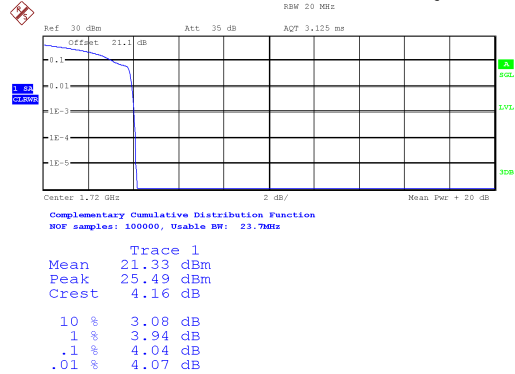
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Build Your Dreams!

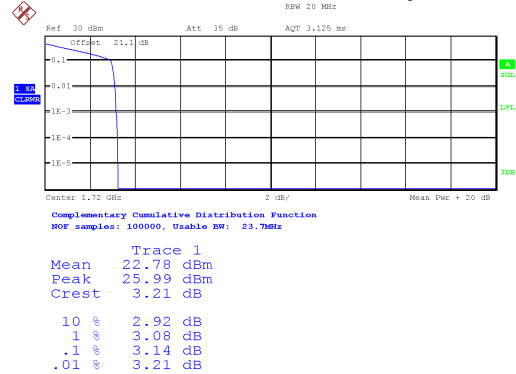
FCC RF TEST REPORT

FDD-LTE 4 BW20MHz Channel20050 RB1 16-QAM



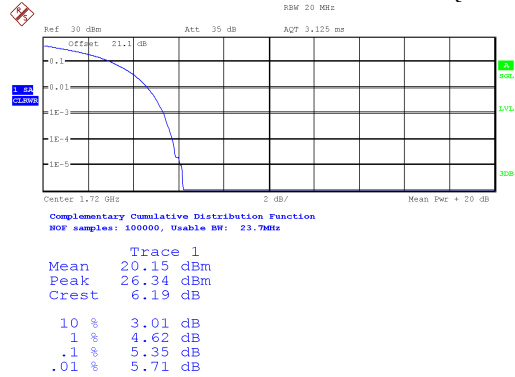
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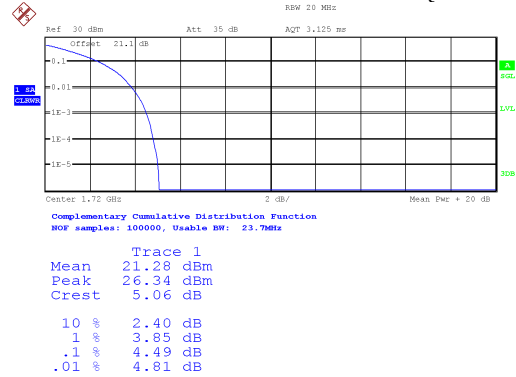
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FDD-LTE 4 BW20MHz Channel20050 RB100 16-QAM



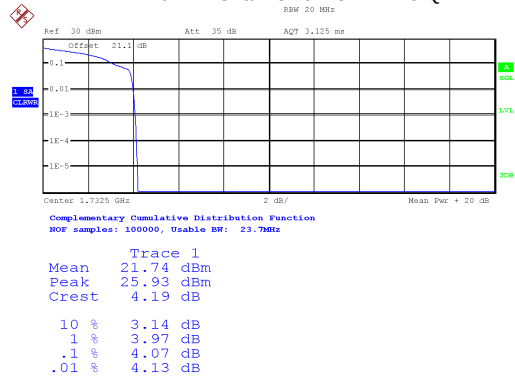
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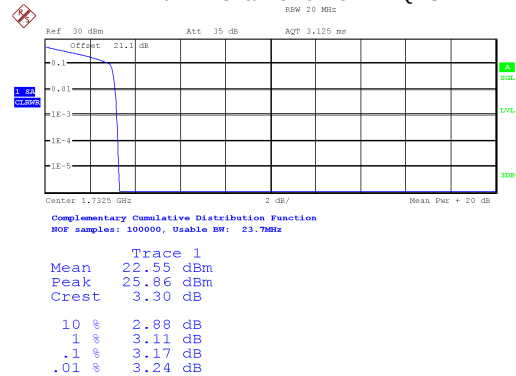
Date: 4.APR.6302 06:01:31

FDD-LTE 4 BW20MHz Channel20175 RB1 16-QAM



Date: 4.APR.6302 06:07:46

FDD-LTE 4 BW20MHz Channel20175 RB1 QPSK



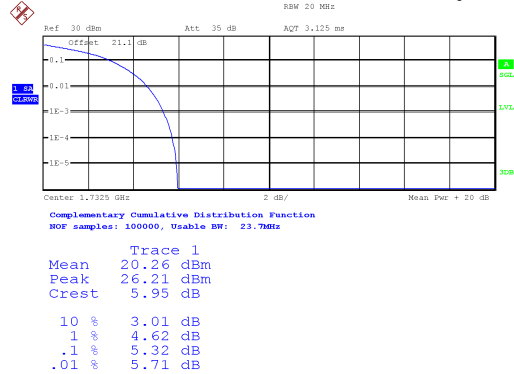
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Build Your Dreams!

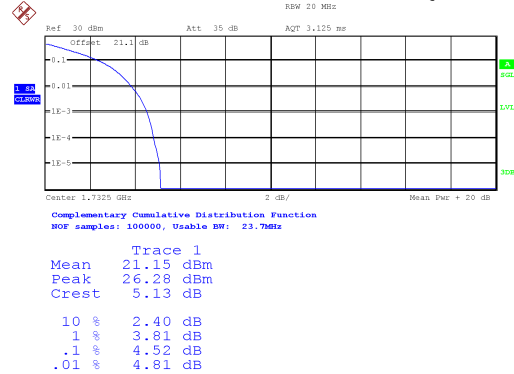
FCC RF TEST REPORT

FDD-LTE 4 BW20MHz Channel20175 RB100 16-QAM



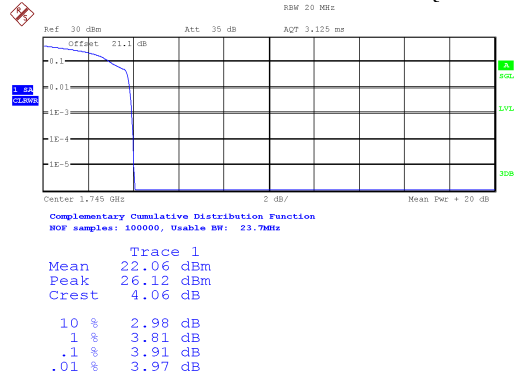
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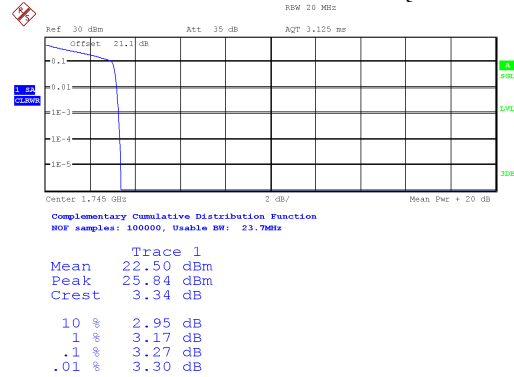
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FDD-LTE 4 BW20MHz Channel20300 RB1 16-QAM



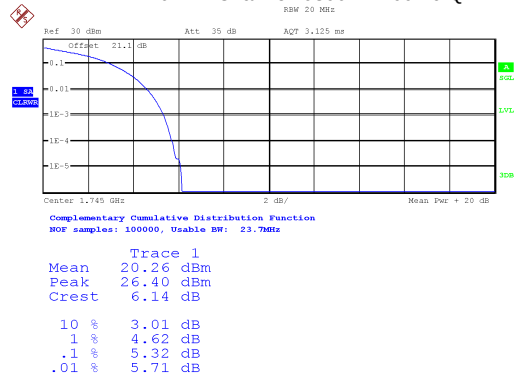
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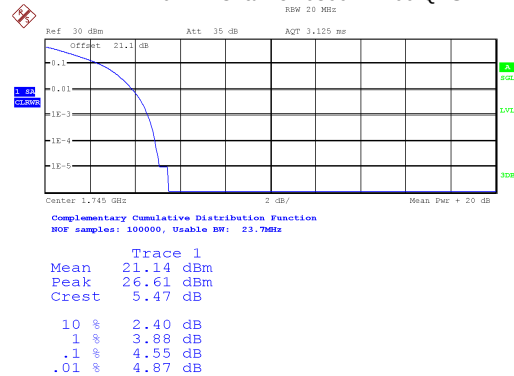
Date: 4.APR.6302 06:11:44

FDD-LTE 4 BW20MHz Channel20300 RB100 16-QAM



Date: 4.APR.6302 06:12:07

FDD-LTE 4 BW20MHz Channel20300 RB100 QPSK



Date: 4.APR.6302 06:11:52



5.3 99% & 26dB occupied Bandwidth (Reporting Only)

5.3.1 Description of 99% Occupied Bandwidth and 26dB Bandwidth Measurement

The 99% occupied band width is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

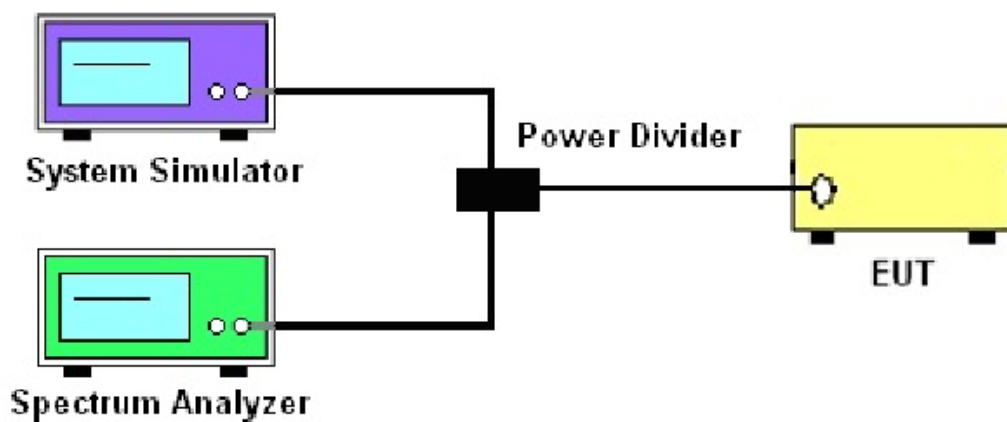
5.3.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

5.3.3 Test Procedure

- a. The EUT was connected to spectrum analyzer and system simulator via a power divider.
- b. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
- c. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5% of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- d. Set the detection mode to peak, and the trace mode to max hold.
- e. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value)
- f. Determine the “-26 dB down amplitude” as equal to (Reference Value-X).
- g. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step e. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
- h. Use the 99% power bandwidth function of the spectrum analyzer and report the measured bandwidth.

5.3.4 Test Setup



5.3.5 Test Result

The maximum RB configurations of the 99% Occupied Bandwidth and 26dB

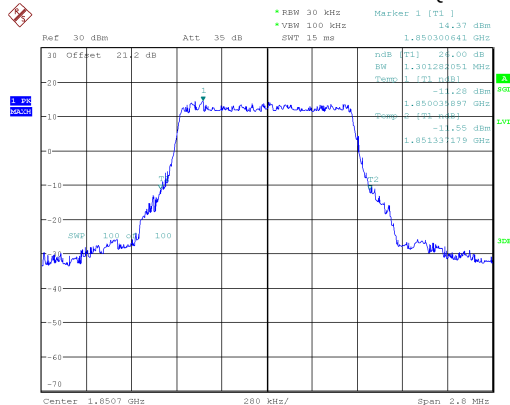
	FDD-LTE 2					
BW(MHz)	1.4MHz/QPSK			1.4MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	1.33	1.30	1.30	1.30	1.31	1.31
99% BW	1.10	1.10	1.10	1.09	1.10	1.10
	3MHz/QPSK			3MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	3.05	3.02	3.02	3.02	3.03	3.01
99% BW	2.75	2.75	2.73	2.74	2.74	2.74
	5MHz/QPSK			5MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	5.02	4.95	4.94	4.95	5.02	5.00
99% BW	4.52	4.50	4.52	4.52	4.52	4.50
	10MHz/QPSK			10MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	10.10	10.03	9.97	10.03	9.97	10.06
99% BW	9.07	9.04	9.04	9.07	9.04	9.07
	15MHz/QPSK			15MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	14.57	14.66	14.71	14.71	14.62	14.71
99% BW	13.46	13.51	13.41	13.46	13.51	13.46
	20MHz/QPSK			20MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	20.96	20.96	20.83	20.64	20.83	20.83
99% BW	18.40	18.46	18.33	18.40	18.40	18.27



	FDD-LTE 4					
BW(MHz)	1.4MHz/QPSK			1.4MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	1.30	1.30	1.30	1.30	1.30	1.29
99% BW	1.10	1.11	1.10	1.10	1.10	1.11
	3MHz/QPSK			3MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	2.97	3.03	3.03	3.03	3.05	2.96
99% BW	2.74	2.74	2.72	2.73	2.73	2.73
	5MHz/QPSK			5MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	4.98	5.02	5.00	5.00	5.00	4.97
99% BW	4.52	4.50	4.54	4.52	4.50	4.50
	10MHz/QPSK			10MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	10.00	10.10	10.06	9.97	9.97	9.97
99% BW	9.04	9.07	9.04	9.04	9.04	9.07
	15MHz/QPSK			15MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	14.57	14.81	14.62	14.42	14.76	14.76
99% BW	13.46	13.46	13.51	13.41	13.46	13.51
	20MHz/QPSK			20MHz/16QAM		
	Low	Mid	High	Low	Mid	High
26dB BW	20.83	20.83	20.77	20.71	20.71	20.71
99% BW	18.46	18.46	18.40	18.33	18.46	18.40

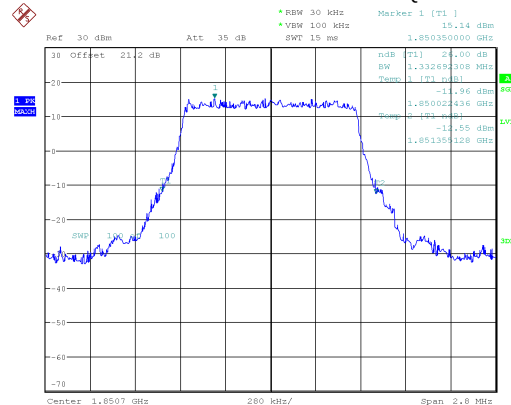
26dB Occupied Bandwidth :

FDD-LTE 2 BW1.4MHz Channel18607 RB6 16-QAM



Date: 4.APR.6302 03:09:16

FDD-LTE 2 BW1.4MHz Channel18607 RB6 QPSK



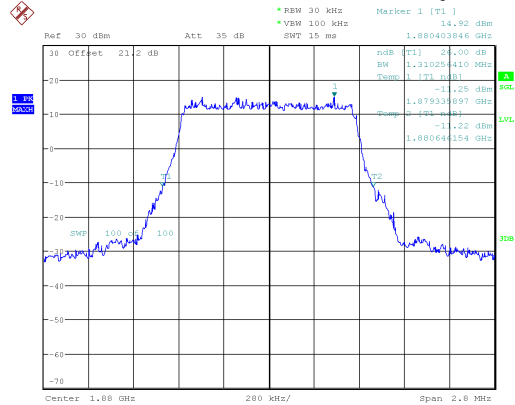
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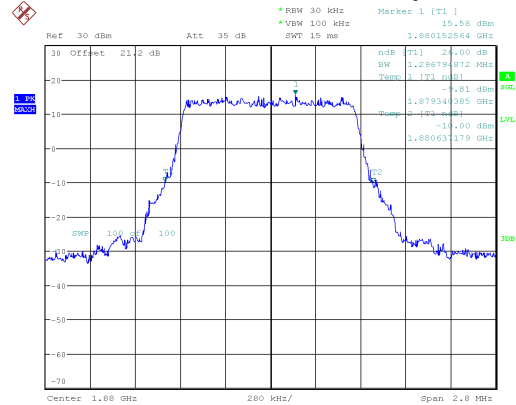
FCC RF TEST REPORT

FDD-LTE 2 BW1.4MHz Channel18900 RB6 16-QAM



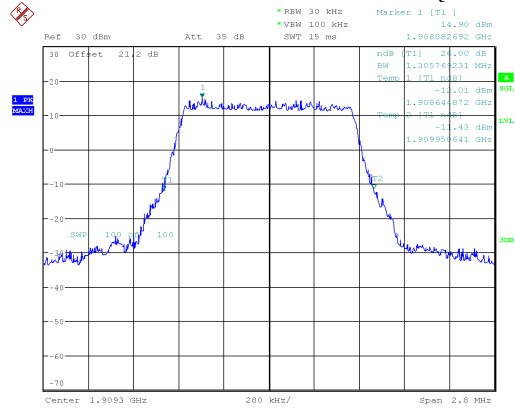
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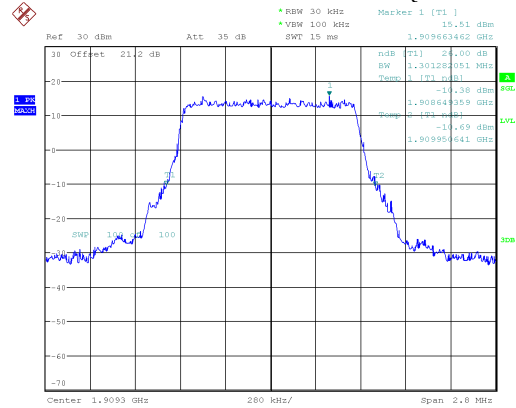
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FDD-LTE 2 BW1.4MHz Channel19193 RB6 16-QAM



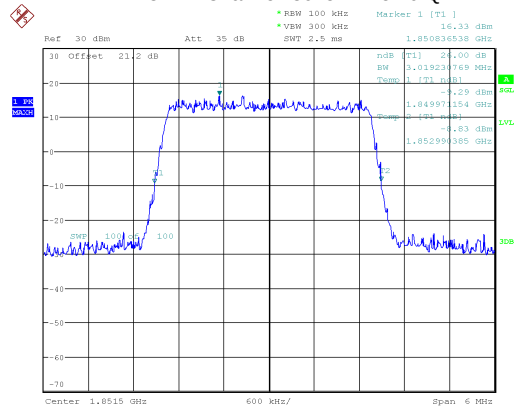
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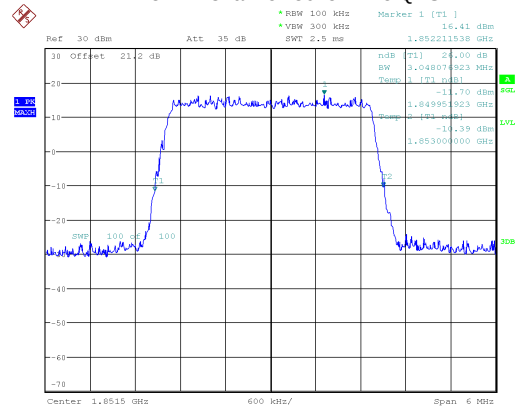
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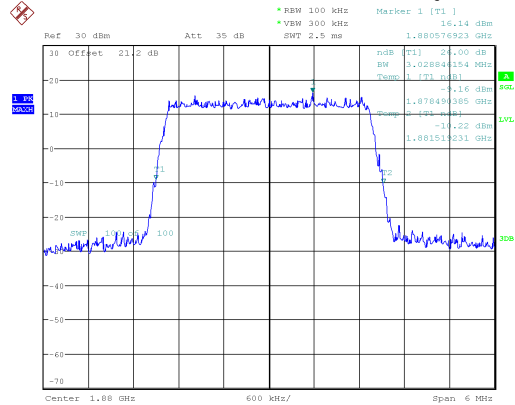
FDD-LTE 2 BW3MHz Channel18615 RB15 QPSK



Date: 4.APR.6302 03:23:32

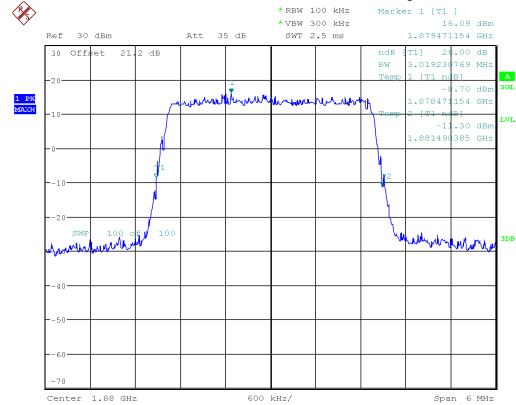


FDD-LTE 2 BW3MHz Channel18900 RB15 16-QAM



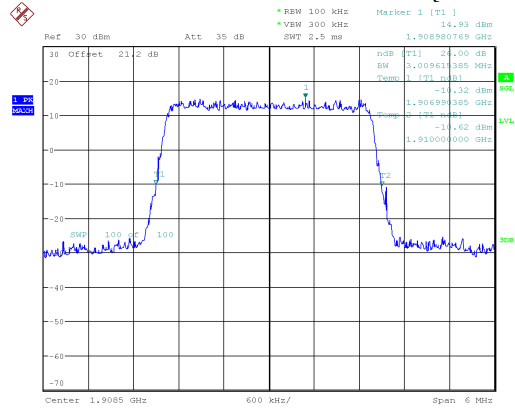
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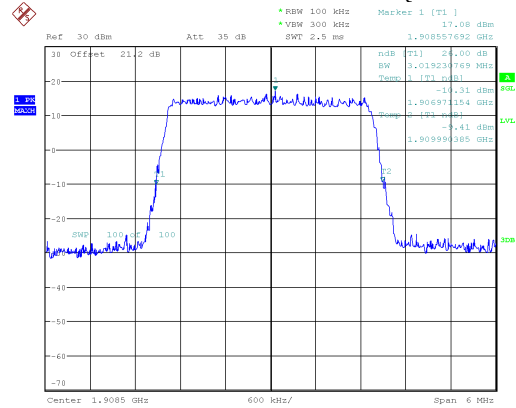
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FDD-LTE 2 BW3MHz Channel19185 RB15 16-QAM



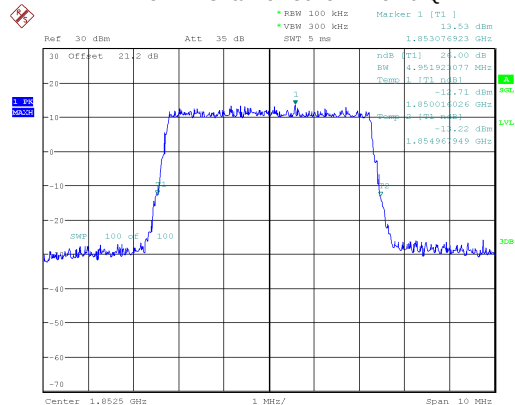
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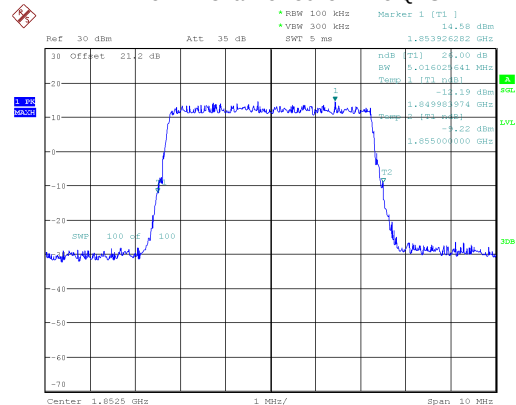
Date: 4.APR.6302 03:31:53

FDD-LTE 2 BW5MHz Channel18625 RB25 16-QAM



Date: 4.APR.6302 03:38:16

FDD-LTE 2 BW5MHz Channel18625 RB25 QPSK



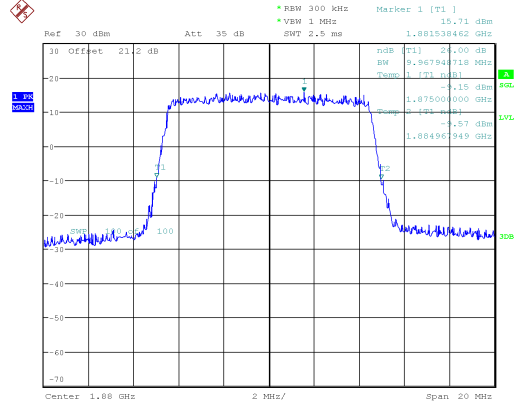
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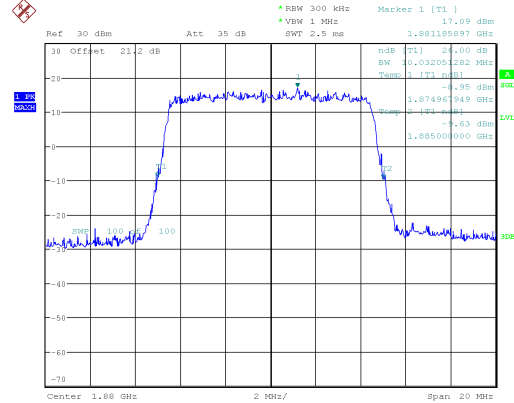
FCC RF TEST REPORT

FDD-LTE 2 BW10MHz Channel18900 RB50 16-QAM



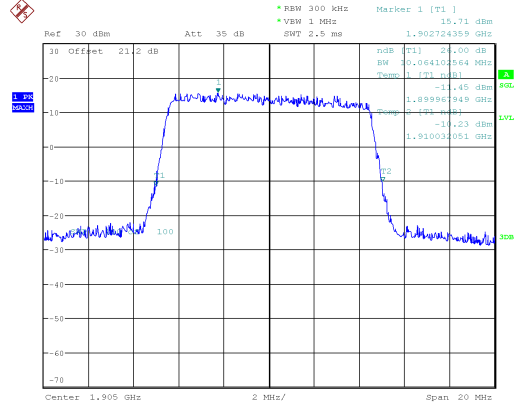
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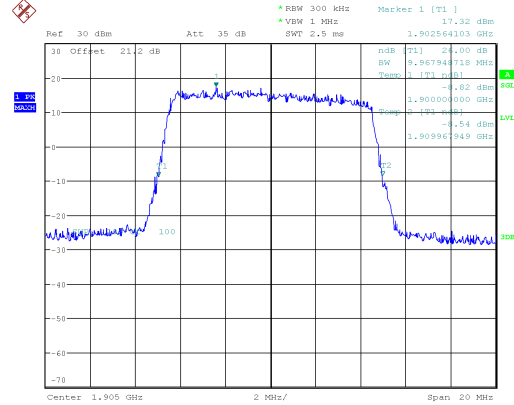
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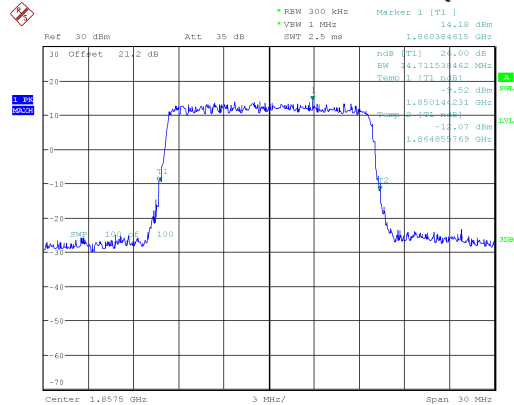
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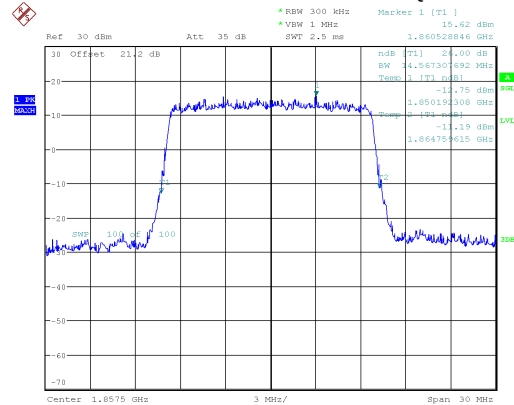
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FDD-LTE 2 BW15MHz Channel18675 RB75 16-QAM



Date: 4.APR.6302 04:08:38

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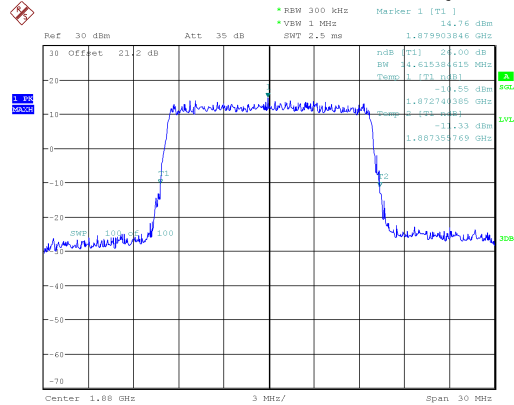
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Build Your Dreams!

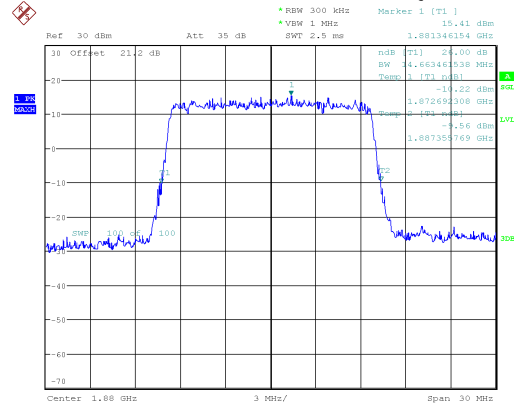
FCC RF TEST REPORT

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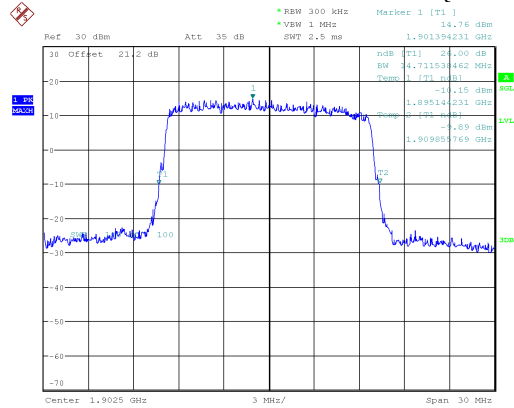
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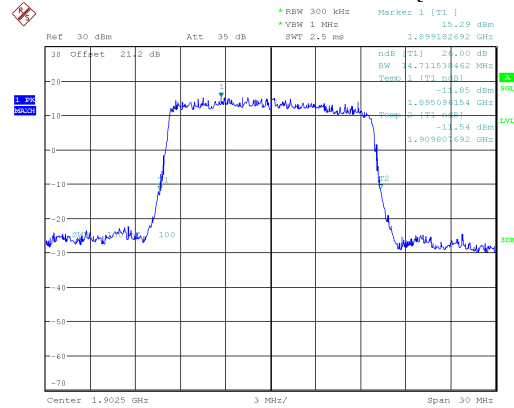
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FDD-LTE 2 BW15MHz Channel19125 RB75 16-QAM



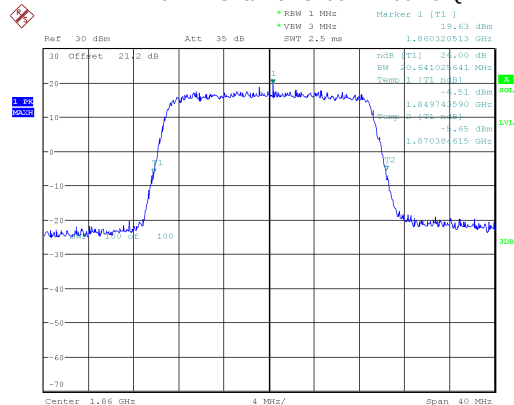
Date: 4.APR.6302 04:17:52

FDD-LTE 2 BW15MHz Channel19125 RB75 QPSK



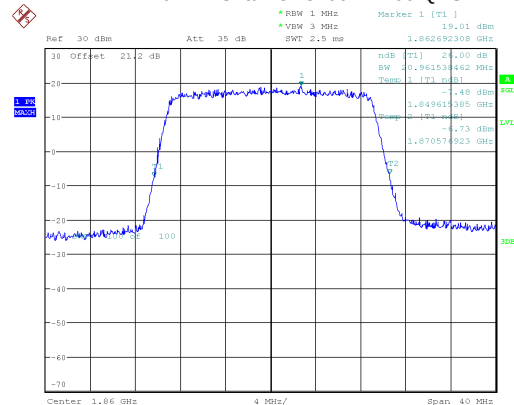
Date: 4.APR.6302 04:17:43

FDD-LTE 2 BW20MHz Channel18700 RB100 16-QAM



Date: 4.APR.6302 04:24:31

FDD-LTE 2 BW20MHz Channel18700 RB100 QPSK



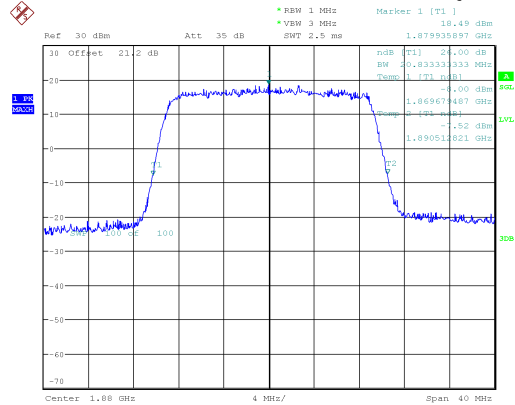
Date: 4.APR.6302 04:24:22



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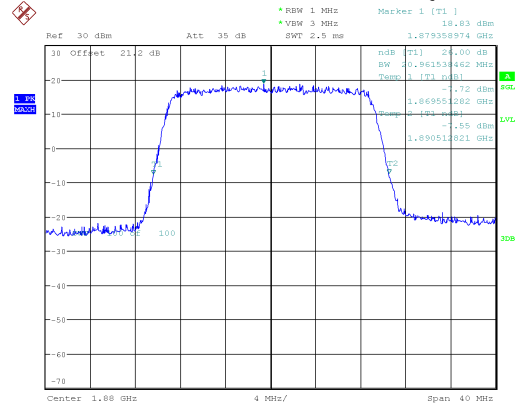
FCC RF TEST REPORT

FDD-LTE 2 BW20MHz Channel18900 RB100 16-QAM



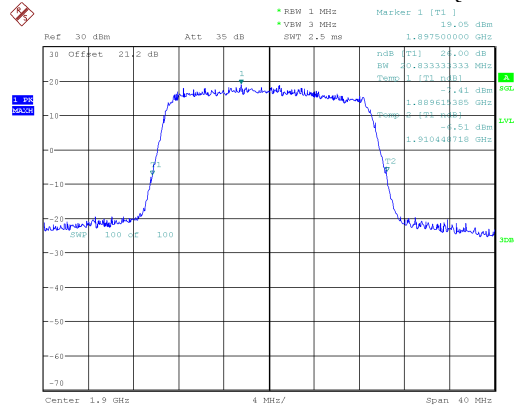
Date: 4.APR.6302 04:30:10

FDD-LTE 2 BW20MHz Channel18900 RB100 QPSK



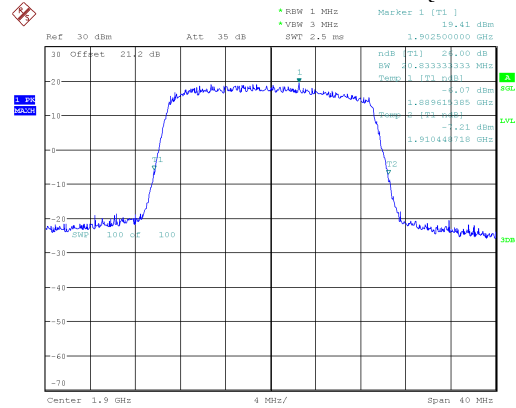
Date: 4.APR.6302 04:30:00

FDD-LTE 2 BW20MHz Channel19100 RB100 16-QAM



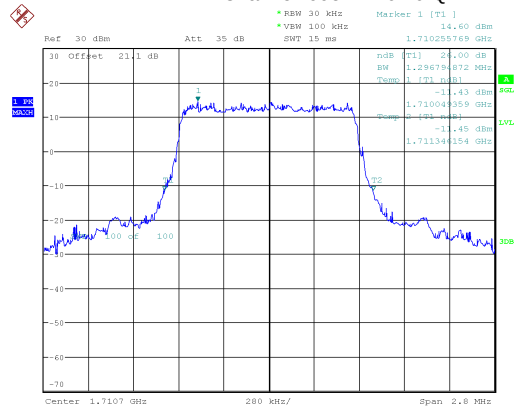
Date: 4.APR.6302 04:33:55

FDD-LTE 2 BW20MHz Channel19100 RB100 QPSK



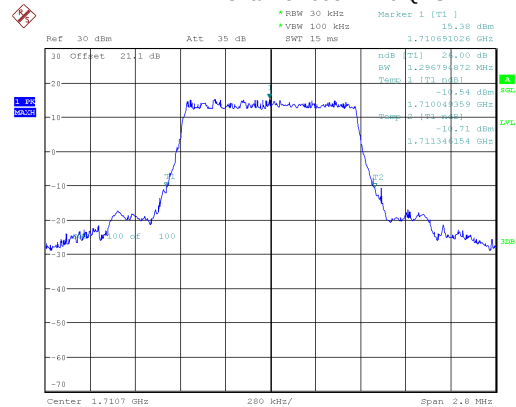
Date: 4.APR.6302 04:33:46

FDD-LTE 4 BW1.4MHz Channel19957 RB6 16-QAM



Date: 4.APR.6302 04:40:28

FDD-LTE 4 BW1.4MHz Channel19957 RB6 QPSK



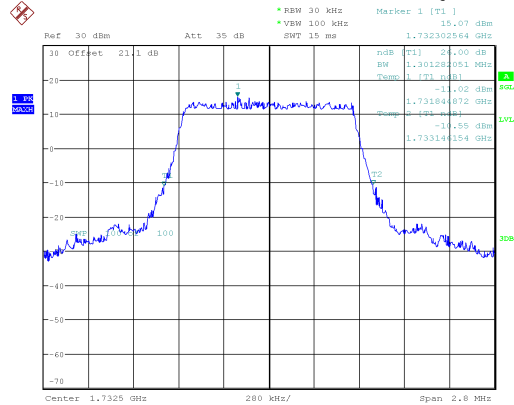
Date: 4.APR.6302 04:40:17



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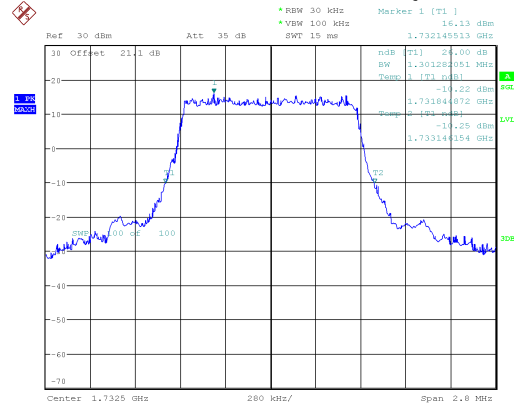
FCC RF TEST REPORT

FDD-LTE 4 BW1.4MHz Channel20175 RB6 16-QAM



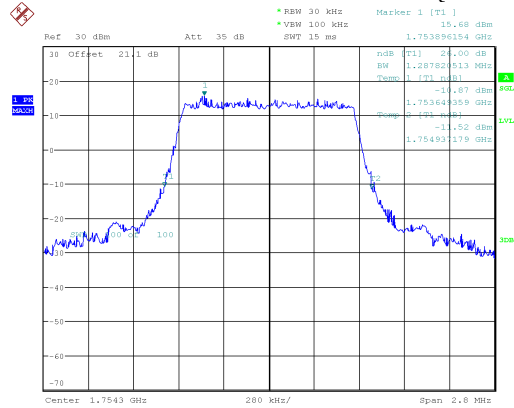
Date: 4.APR.6302 04:46:00

FDD-LTE 4 BW1.4MHz Channel20175 RB6 QPSK



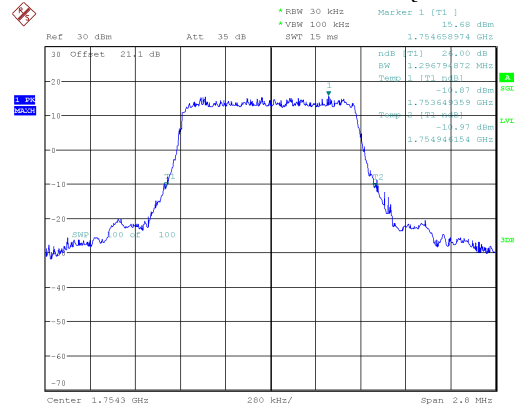
Date: 4.APR.6302 04:45:48

FDD-LTE 4 BW1.4MHz Channel20393 RB6 16-QAM



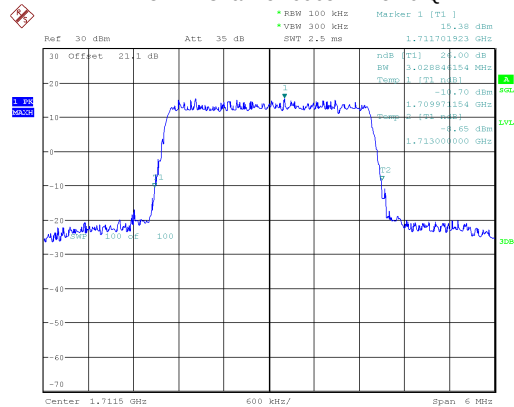
Date: 4.APR.6302 04:49:41

FDD-LTE 4 BW1.4MHz Channel20393 RB6 QPSK



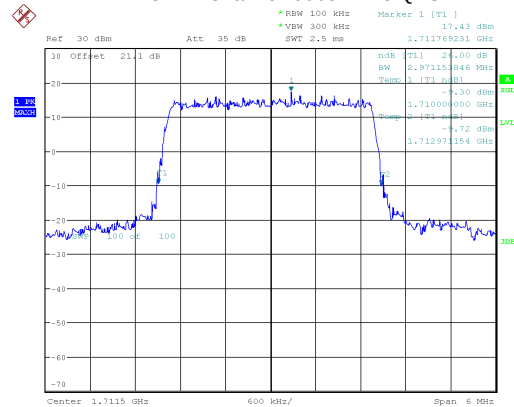
Date: 4.APR.6302 04:49:30

FDD-LTE 4 BW3MHz Channel19965 RB15 16-QAM



Date: 4.APR.6302 04:56:16

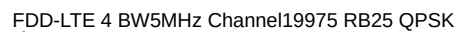
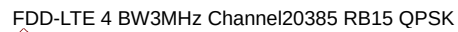
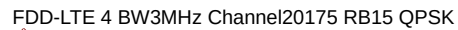
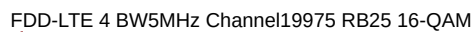
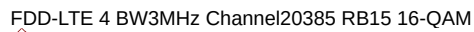
FDD-LTE 4 BW3MHz Channel19965 RB15 QPSK



Date: 4.APR.6302 04:56:04



FDD-LTE 4 BW3MHz Channel20175 RB15 16-QAM

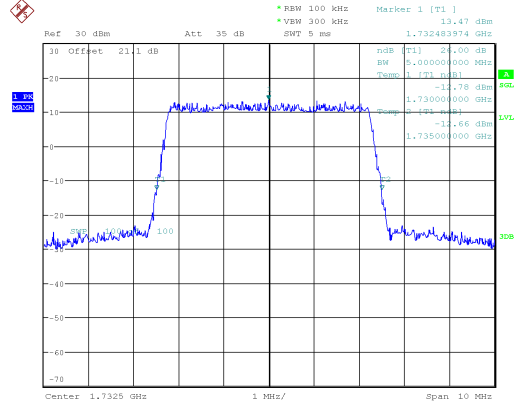




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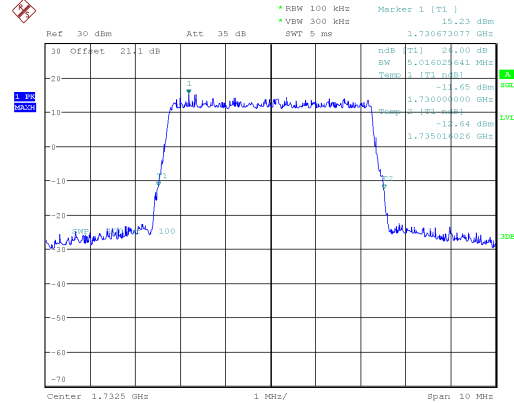
FCC RF TEST REPORT

FDD-LTE 4 BW5MHz Channel20175 RB25 16-QAM



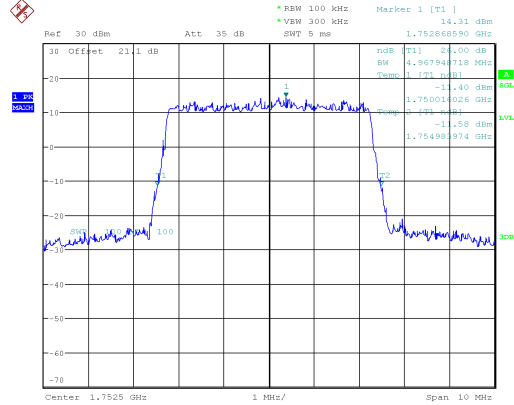
Date: 4.APR.6302 05:17:40

FDD-LTE 4 BW5MHz Channel20175 RB25 QPSK



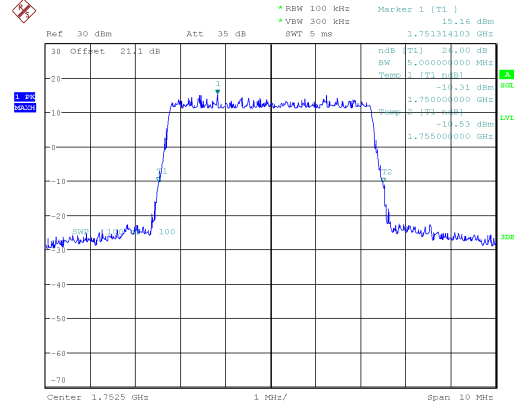
Date: 4.APR.6302 05:17:30

FDD-LTE 4 BW5MHz Channel20375 RB25 16-QAM



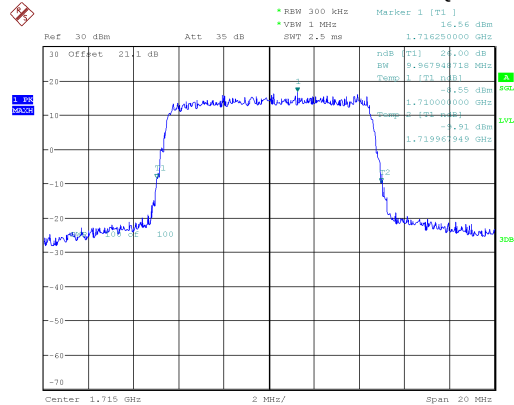
Date: 4.APR.6302 05:21:29

FDD-LTE 4 BW5MHz Channel20375 RB25 QPSK



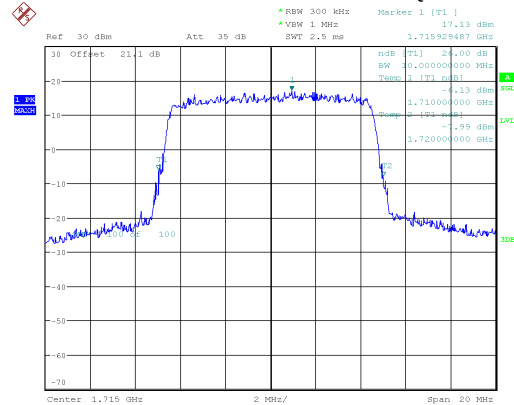
Date: 4.APR.6302 05:21:19

FDD-LTE 4 BW10MHz Channel20000 RB50 16-QAM



Date: 4.APR.6302 05:28:19

FDD-LTE 4 BW10MHz Channel20000 RB50 QPSK



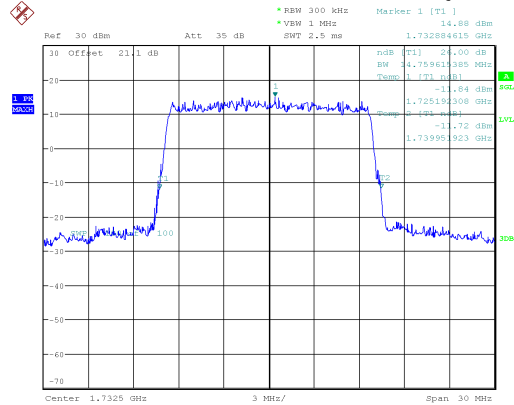
Date: 4.APR.6302 05:28:09



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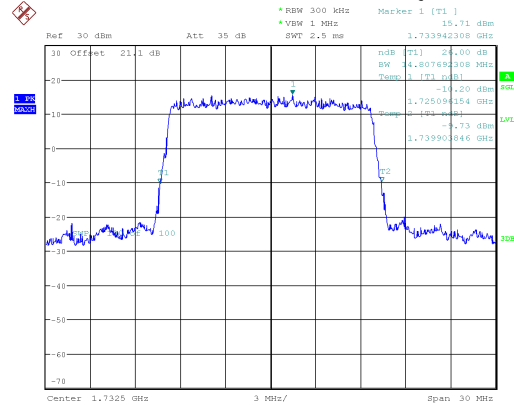
FCC RF TEST REPORT

FDD-LTE 4 BW15MHz Channel20175 RB75 16-QAM



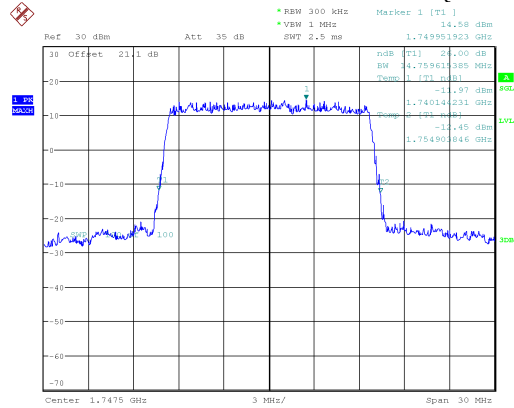
Date: 4.APR.6302 05:51:14

FDD-LTE 4 BW15MHz Channel20175 RB75 QPSK



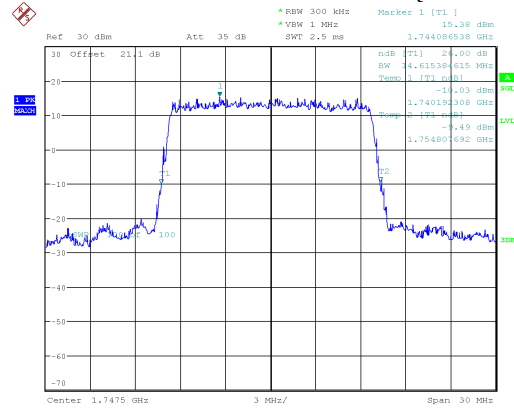
Date: 4.APR.6302 05:51:04

FDD-LTE 4 BW15MHz Channel20325 RB75 16-QAM



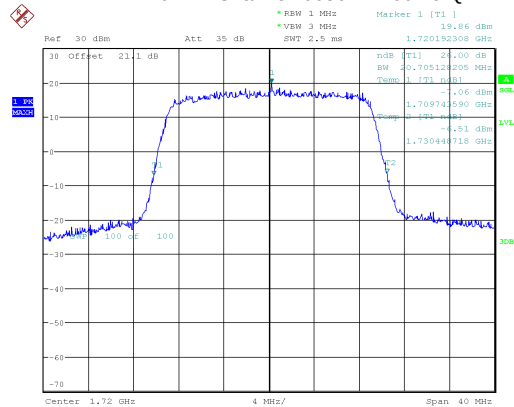
Date: 4.APR.6302 05:55:25

FDD-LTE 4 BW15MHz Channel20325 RB75 QPSK



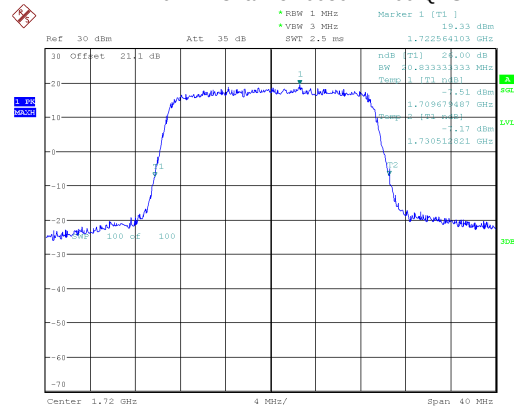
Date: 4.APR.6302 05:55:15

FDD-LTE 4 BW20MHz Channel20050 RB100 16-QAM



Date: 4.APR.6302 06:02:36

FDD-LTE 4 BW20MHz Channel20050 RB100 QPSK



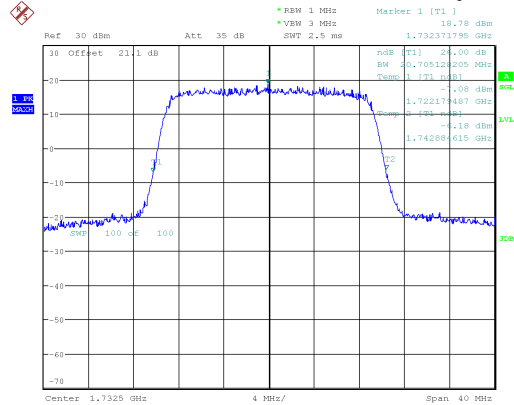
Date: 4.APR.6302 06:02:26



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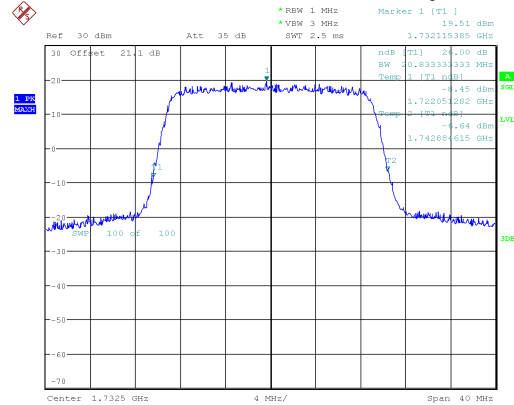
FCC RF TEST REPORT

FDD-LTE 4 BW20MHz Channel20175 RB100 16-QAM



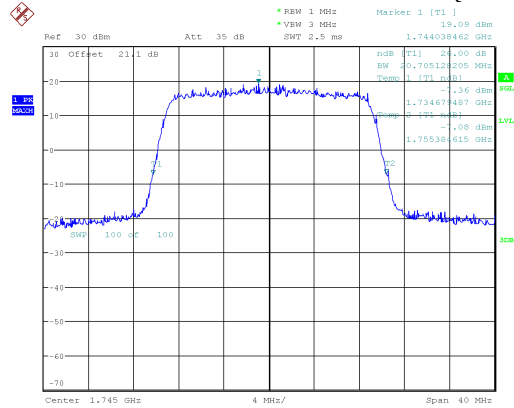
Date: 4.APR.6302 06:08:43

FDD-LTE 4 BW20MHz Channel20175 RB100 QPSK



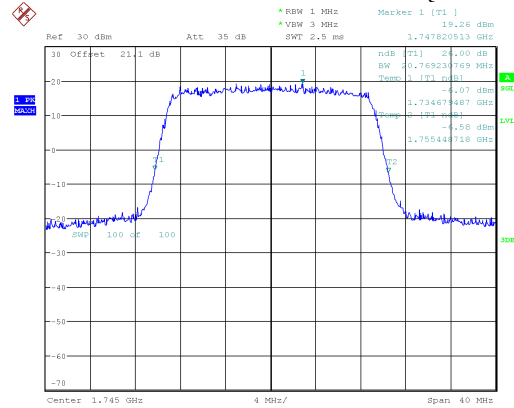
Date: 4.APR.6302 06:08:33

FDD-LTE 4 BW20MHz Channel20300 RB100 16-QAM



Date: 4.APR.6302 06:12:57

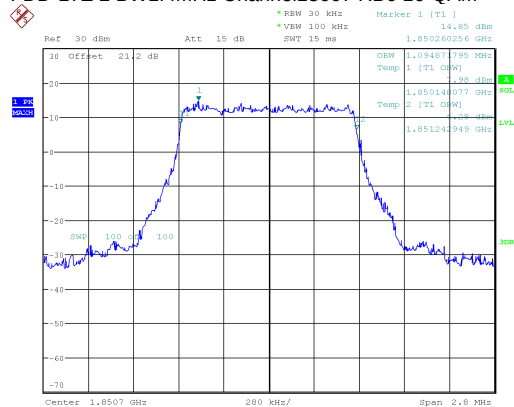
FDD-LTE 4 BW20MHz Channel20300 RB100 QPSK



Date: 4.APR.6302 06:12:47

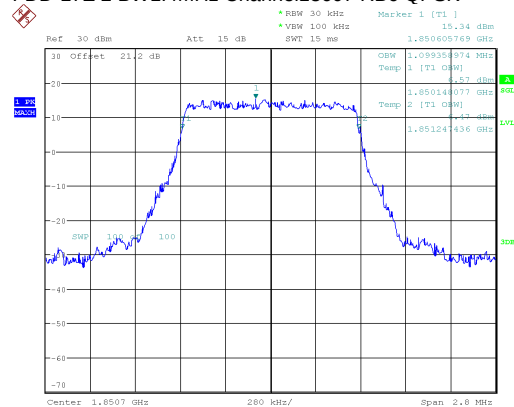
99% Occupied Bandwidth :

FDD-LTE 2 BW1.4MHz Channel18607 RB6 16-QAM



Date: 4.APR.6302 03:08:51

FDD-LTE 2 BW1.4MHz Channel18607 RB6 QPSK



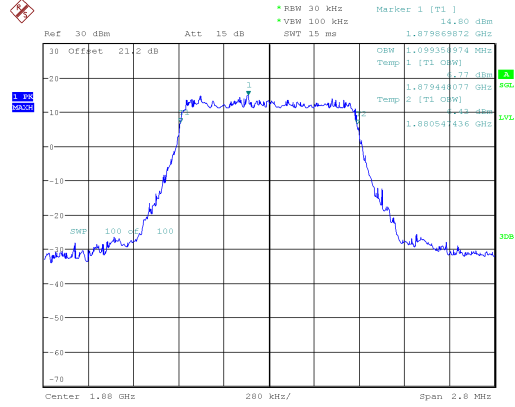
Date: 4.APR.6302 03:08:41



Build Your Dreams!

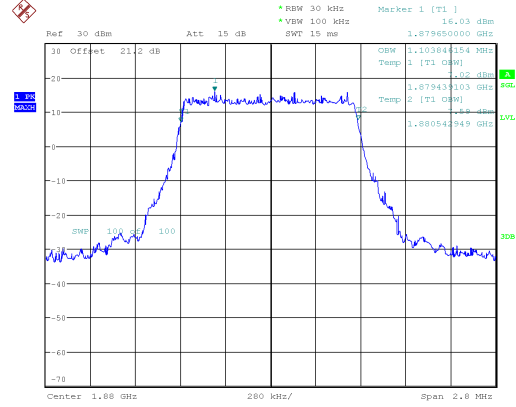
FCC RF TEST REPORT

FDD-LTE 2 BW1.4MHz Channel18900 RB6 16-QAM



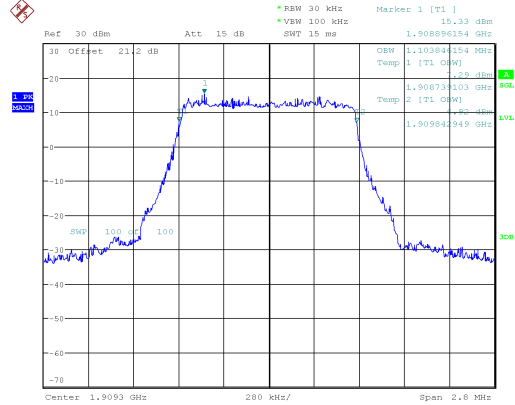
Date: 4.APR.6302 03:13:55

FDD-LTE 2 BW1.4MHz Channel18900 RB6 QPSK



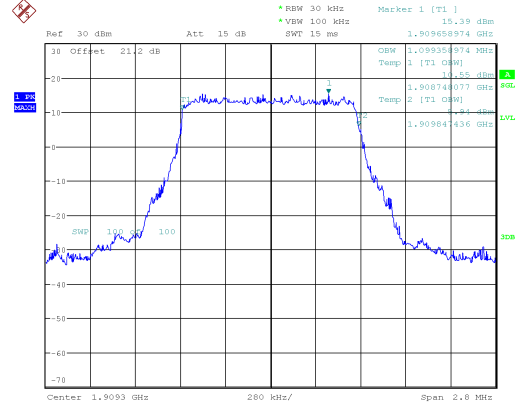
Date: 4.APR.6302 03:13:44

FDD-LTE 2 BW1.4MHz Channel19193 RB6 16-QAM



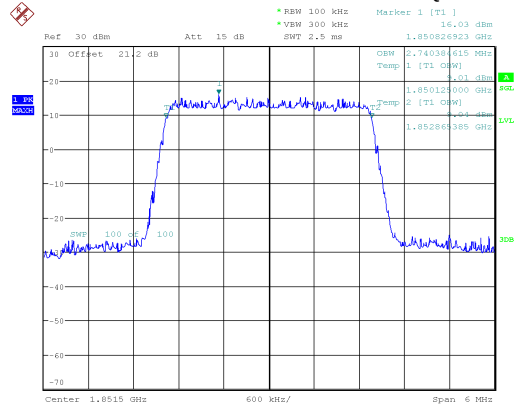
Date: 4.APR.6302 03:17:11

FDD-LTE 2 BW1.4MHz Channel19193 RB6 QPSK



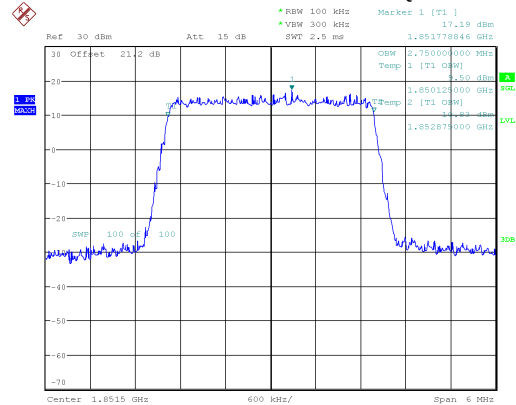
Date: 4.APR.6302 03:16:59

FDD-LTE 2 BW3MHz Channel18615 RB15 16-QAM



Date: 4.APR.6302 03:23:19

FDD-LTE 2 BW3MHz Channel18615 RB15 QPSK



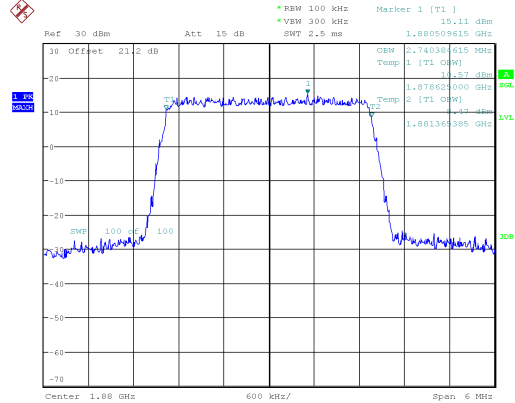
Date: 4.APR.6302 03:23:09



Build Your Dreams!

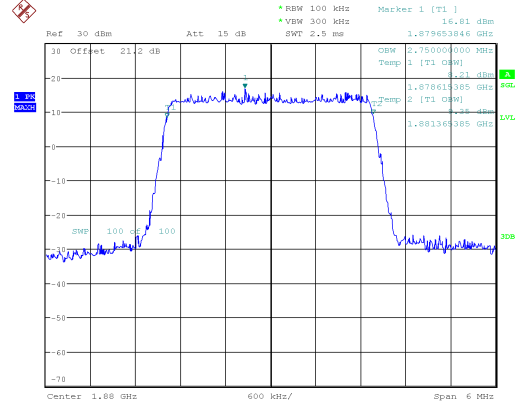
FCC RF TEST REPORT

FDD-LTE 2 BW3MHz Channel18900 RB15 16-QAM



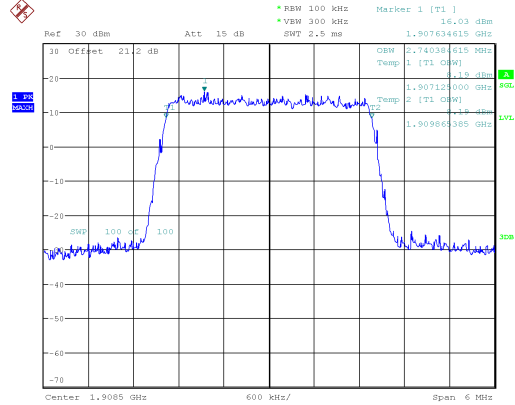
Date: 4.APR.6302 03:28:22

FDD-LTE 2 BW3MHz Channel18900 RB15 QPSK



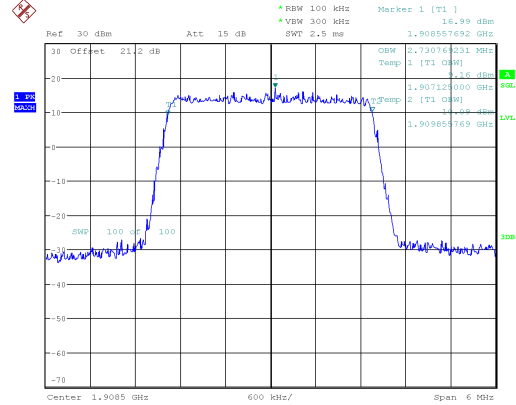
Date: 4.APR.6302 03:28:14

FDD-LTE 2 BW3MHz Channel19185 RB15 16-QAM



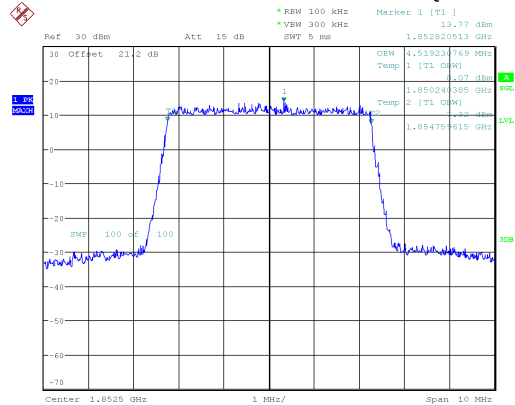
Date: 4.APR.6302 03:31:37

FDD-LTE 2 BW3MHz Channel19185 RB15 QPSK



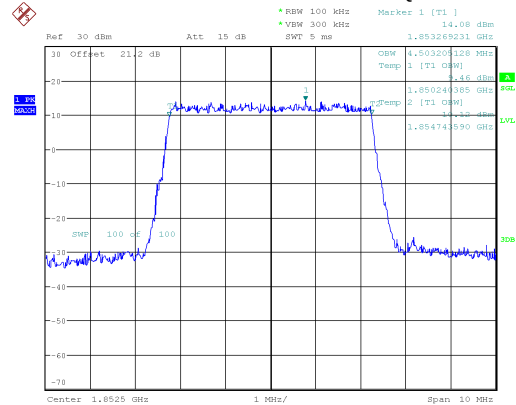
Date: 4.APR.6302 03:31:26

FDD-LTE 2 BW5MHz Channel18625 RB25 16-QAM



Date: 4.APR.6302 03:37:52

FDD-LTE 2 BW5MHz Channel18625 RB25 QPSK



Date: 4.APR.6302 03:37:42