InterLab®

Final Report on

TOBY-R202
FCC ID:XPY1EHQ24NN
IC:8595A-1EHQ24NN

Report Reference: MDE_UBLOX_1601_FCCa according to:
FCC Part 22 Subpart H, Part 24 subpart E, Part 27 Subpart C

Date: September 01, 2016

Test Laboratory:
7layers GmbH
Borsigstraße 11
40880 Ratingen
Germany

DAkkS Deutsche Akkreditierungsstelle D-PL-12140-01-01

1 Administrative Data

1.1 Project Data

Project Responsible:	Patrick Lomax
Date Of Test Report:	2016/09/01
Date of first test:	2016/08/01
Date of last test:	2016/08/26

1.2 Applicant Data

Company Name: u-blox AG

Street:	Zürcherstrasse 68, CH-8800 Thalwil
Country:	Switzerland

Contact Person: Mr. Giulio Comar

Function:	Certification Manager
Department:	Cellular Product Certification
Phone:	+41 44 722 7462
Fax:	+41 44 722 7447
E-Mail:	giulio.comar@u-blox.com

1.3 Test Laboratory Data

The following list shows all places and laboratories involved for test result generation:

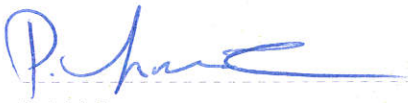
7 layers DE

Company Name :	7layers GmbH
Street :	Borsigstrasse 11
City :	40880 Ratingen
Country :	Germany
Contact Person :	Mr. Michael Albert
Phone :	+49 2102 749 201
Fax :	+49 2102 749 444
E Mail :	Michael.Albert@7Layers.com

Laboratory Details

Lab ID	*Identification*	*Responsible*	*Accreditation Info*
Lab 1	Radiated Emissions	Mr. Marco Kullik Mr. Jens Dörwald	DAkkS-Registration no. D-PL-12140-01-01
Lab 2	Radio Lab	Mr. Dobrin Dobrinov Mr. Daniel Gall	DAkkS-Registration no. D-PL-12140-01-01

1.4 Signature of the Testing Responsible



Patrick Lomax
responsible for tests performed in: Lab 1, Lab 2

1.5 Signature of the Accreditation Responsible

Accreditation scope responsible person
responsible for Lab 1, Lab 2

2 Test Object Data

2.1 General OUT Description

The following section lists all OUTs (Object's Under Test) involved during testing.

OUT: TOBY-R202

Type / Model / Family:	TOBY-R202 FCC ID:XPY1EHQ24NN IC:8595A-1EHQ24NN
Product Category:	Module
Manufacturer:	
Company Name:	See applicant data
Contact Person:	-

Parameter List:

Parameter name	*Value*
Parameter for Scope FCC_v2:	
AC Power Supply	120v / 60Hz
Antenna gain	Module does not include an antenna.
DC Power Supply	12v via ac/dc power adapter
highest channel	4233 (846.6MHz) for FDD5, 9538 (1907.6MHz) for FDD2
lowest channel	4132 (826.4MHz) for FDD5, 9262 (1852.4MHz)for FDD2
LTE_Operating Frequencies	See Annex
mid channel	4183 (836.6MHz) for FDD5, 9400 (1880MHz) for FDD2

2.2 Detailed Description of OUT Samples

Sample : AF03

OUT Identifier	TOBY-R202		
Sample Description	RF and protocol		
Serial No.	351778080012608		
HW Status	257CA0		
SW Status	30.05		
Date of Receipt	2016/07/27		
Low Voltage	3.3 V	*Low Temp.*	-20 °C
High Voltage	4.4 V	*High Temp.*	55 °C
Nominal Voltage	3.8 V	*Normal Temp.*	25 °C

Sample : AQ04

OUT Identifier	TOBY-R202		
Sample Description	RF and protocol		
Serial No.	351778080012202		
HW Status	257CA0		
SW Status	30.10		
Date of Receipt	2016/08/01		
Low Voltage	3.3 V	*Low Temp.*	-20 °C
High Voltage	4.4 V	*High Temp.*	55 °C
Nominal Voltage	3.8 V	*Normal Temp.*	25 °C

2.3 OUT Features

Features for OUT: TOBY-R202

Designation	*Description*	*Supported Value(s)*
Features for scope: AT-CMD_v1		
A		
Features for scope: FCC_v2		
AC	The OUT is powered by or connected to AC Mains	
Eant	removable antenna supplied and type tested with the radio equipment, designed as an indispensable part of the equipment	
eFDD2		
eFDD4		
eFDD5		
eFDD12		
FDD2	EUT supports UMTS FDD2 in the band 1850 MHz - 1910 MHz	
FDD5	EUT supports UMTS FDD5 in the band 824 MHz - 849 MHz	
HSDPA-FDD2	EUT supports UMTS FDD2 HSDPA in the band 1850 MHz - 1910 MHz	
HSDPA-FDD5	EUT supports UMTS FDD5 HSDPA in the band 824 MHz - 849 MHz	
HSUPA-FDD2	EUT supports UMTS FDD2 HSUPA in the band 1850 MHz - 1910 MHz	
HSUPA-FDD5	EUT supports UMTS FDD5 HSUPA in the band 824 MHz - 849 MHz	
TantC	temporary antenna connector, which may be only built-in for testing, designed as an example part of the equipment	

2.4 Auxiliary Equipment

AE No.	*Type Designation*	*Serial No.*	*HW Status*	*SW Status*	*Description*
AE 02	EVB-WL3		NO_EVK_CS_191A00		Evaluation test board
AE 01	UUX324-1215	E09-0291984			AC/DC converter

2.5 Setups used for Testing

For each setup a relation is given to determine if and which samples and auxiliary equipment is used. The left side list all OUT samples and the right side lists all auxiliary equipment for the given setup.

Setup No.	*List of OUT samples*		*List of auxiliary equipment*	
	Sample No.	*Sample Description*	*AE No.*	*AE Description*
S01_AF03				
	Sample: AF03	RF and protocol	AE 02	Evaluation test board
			AE 01	AC/DC converter
S01_AQ04				
	Sample: AQ04	RF and protocol	AE 02	Evaluation test board
			AE 01	AC/DC converter

3 Results

3.1 General

Documentation of tested devices:	Available at the test laboratory.
Interpretation of the test results:	The results of the inspection are described on the following pages, where 'Conformity' or 'Passed' means that the certification criteria were verified and that the tested device is conform to the applied standard. In cases where 'Declaration' is printed, the required documents are available in the manufacturers product documentation. In cases where 'not applicable' is printed, the test case requirements are not relevant to the specific equipment implementation.
Note:	1. All tests are performed under environmental conditions within the requirements of the specifications. Environmental conditions are available at the laboratory.

3.2 List of the Applicable Body

(Bodies for Scope: FCC_v2)

Designation	*Description*
FCC47CFRChIPART22PUBLIC MOBILE SERVICES	Part 22, Subpart H - Cellular Radiotelephone Service
FCC47CFRChIPART24PERSONAL COMMUNICATIONS SERVICES	Part 24, Subpart E - Broadband PCS
FCC47CFRChIPART27MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES	Part 27, Subpart C - Technical Standards

3.3 List of Test Specification

Test Specification:	**FCC part 2**
Version	10-1-13 Edition
Title:	PART 02 - GENERAL RULES AND REGULATIONS
Test Specification:	**FCC part 2 and 22**
Version	10-1-13 Edition
Title:	PART 2 - GENERAL RULES AND REGULATIONS PART 22 - PUBLIC MOBILE SERVICES
Test Specification:	**FCC part 2 and 24**
Version	10-1-13 Edition
Title:	PART 2 - GENERAL RULES AND REGULATIONS PART 24 - PERSONAL COMMUNICATIONS SERVICES
Test Specification:	**FCC part 2 and 27**
Version	10-1-13 Edition
Title:	PART 2 - GENERAL RULES AND REGULATIONS PART 27 - MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES

3.4 Summary

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
Test Specification: FCC part 2				
22.7 Peak-to-Average ratio §2.1046				
22.7; _Peak-to-Average Ratio Summary §2.1046	Passed	2016/08/18	Lab 2	S01_AF03
22.7; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.7; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.7; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.7; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.7; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.7; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
Test Specification: FCC part 2 and 22				
22.1 RF Power Output §2.1046, §22.913				
22.1; _RF Power Output Summary §2.1046, §22.913	Passed	2016/08/18	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
22.1 RF Power Output §2.1046, §22.913				
22.1; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
22.1 RF Power Output §2.1046, §22.913				
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.2 Frequency stability §2.1055				
22.2; _Frequency stability Summary §2.1055	Passed	2016/08/18	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
22.3 Spurious emissions at antenna terminals §2.1051, §22.917				
22.3; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
22.3; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
22.3; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/11	Lab 2	S01_AF03
22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/11	Lab 2	S01_AF03
22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/11	Lab 2	S01_AF03
22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
22.4 Field strength of spurious radiation §2.1053, §22.917				
22.4; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = radiated	Passed	2016/08/18	Lab 1	S01_AQ04
22.4; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = radiated	Passed	2016/08/18	Lab 1	S01_AQ04
22.4; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = radiated	Passed	2016/08/18	Lab 1	S01_AQ04
22.4; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04
22.4; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04
22.4; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04
22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/08	Lab 1	S01_AQ04
22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz	Passed	2016/08/08	Lab 1	S01_AQ04
22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/08	Lab 1	S01_AQ04
22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/08	Lab 1	S01_AQ04
22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz	Passed	2016/08/08	Lab 1	S01_AQ04
22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/08	Lab 1	S01_AQ04
22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/08	Lab 1	S01_AQ04
22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz	Passed	2016/08/08	Lab 1	S01_AQ04
22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/08	Lab 1	S01_AQ04

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
22.5 Emission and Occupied Bandwidth §2.1049, §22.917				
22.5; _Emission and Occupied Bandwidth Summary §2.1049, §22.917	Passed	2016/08/18	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
22.5 Emission and Occupied Bandwidth §2.1049, §22.917				
22.5; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/10	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
22.6 Band edge compliance §2.1053, §22.917				
22.6; _Band edge compliance Summary §2.1053, §22.917	Passed	2016/08/18	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/10	Lab 2	S01_AF03
22.6; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2016/08/10	Lab 2	S01_AF03

Test Case Identifier / Name *Test (condition)*	*Result*	*Date of Test*	*Lab Ref.*	*Setup*
22.6 Band edge compliance §2.1053, §22.917				
22.6; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2016/08/10	Lab 2	S01_AF03

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Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
24.1 RF Power Output §2.1046, §24.232				
24.1; RF Power Output Summary §2.1046, §24.232	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
24.1 RF Power Output §2.1046, §24.232				
24.1; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_1, Channel = 9262, Frequency = 1852.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_1, Channel = 9400, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_1, Channel = 9538, Frequency = 1907.6MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_2, Channel = 9262, Frequency = 1852.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_2, Channel = 9400, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_2, Channel = 9538, Frequency = 1907.6MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_3, Channel = 9262, Frequency = 1852.4MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_3, Channel = 9400, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
24.1 RF Power Output §2.1046, §24.232				
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_3, Channel = 9538, Frequency = 1907.6MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_4, Channel = 9262, Frequency = 1852.4MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_4, Channel = 9400, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_4, Channel = 9538, Frequency = 1907.6MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_1, Channel = 9262, Frequency = 1852.4MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_1, Channel = 9400, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_1, Channel = 9538, Frequency = 1907.6MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_2, Channel = 9262, Frequency = 1852.4MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_2, Channel = 9400, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_2, Channel = 9538, Frequency = 1907.6MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_3, Channel = 9262, Frequency = 1852.4MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_3, Channel = 9400, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_3, Channel = 9538, Frequency = 1907.6MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_4, Channel = 9262, Frequency = 1852.4MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_4, Channel = 9400, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_4, Channel = 9538, Frequency = 1907.6MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_5, Channel = 9262, Frequency = 1852.4MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_5, Channel = 9400, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_5, Channel = 9538, Frequency = 1907.6MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9262, Frequency = 1852.4MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9400, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.1; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9538, Frequency = 1907.6MHz, Method = conducted	Passed	2016/08/10	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
24.2 Frequency stability §2.1055, §24.235				
24.2; Frequency stability Summary §2.1055, 24.235	Passed	2016/08/11	Lab 2	S01_AF03
24.2; Frequency Band = eFDD2, Mode = QPSK, Channel = 18900, Frequency = 1880MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.2; Frequency Band = FDD2, Mode = HSDPA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.2; Frequency Band = FDD2, Mode = HSUPA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.2; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.3 Spurious emissions at antenna terminals §2.1051, §24.238				
24.3; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.3; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.3; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.3; Frequency Band = FDD2, Mode = HSDPA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.3; Frequency Band = FDD2, Mode = HSDPA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.3; Frequency Band = FDD2, Mode = HSDPA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.3; Frequency Band = FDD2, Mode = HSUPA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.3; Frequency Band = FDD2, Mode = HSUPA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.3; Frequency Band = FDD2, Mode = HSUPA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.3; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.3; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.3; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
24.4 Field strength of spurious radiation §2.1053, §24.238				
24.4; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04
24.4; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18900, Frequency = 1880MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04
24.4; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04
24.4; Frequency Band = FDD2, Mode = HSDPA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/08	Lab 1	S01_AQ04
24.4; Frequency Band = FDD2, Mode = HSDPA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/08	Lab 1	S01_AQ04
24.4; Frequency Band = FDD2, Mode = HSDPA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/08	Lab 1	S01_AQ04
24.4; Frequency Band = FDD2, Mode = HSUPA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/08	Lab 1	S01_AQ04
24.4; Frequency Band = FDD2, Mode = HSUPA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/08	Lab 1	S01_AQ04
24.4; Frequency Band = FDD2, Mode = HSUPA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/08	Lab 1	S01_AQ04
24.4; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/08	Lab 1	S01_AQ04
24.4; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/08	Lab 1	S01_AQ04
24.4; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/08	Lab 1	S01_AQ04

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
24.5 Emission and Occupied Bandwidth §2.1049, §24.238				
24.5; Emission and Occupied Bandwidth Summary §2.1049, §24.238	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
24.5 Emission and Occupied Bandwidth §2.1049, §24.238				
24.5; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = FDD2, Mode = HSDPA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = FDD2, Mode = HSDPA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = FDD2, Mode = HSDPA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = FDD2, Mode = HSUPA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = FDD2, Mode = HSUPA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = FDD2, Mode = HSUPA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
24.5 Emission and Occupied Bandwidth §2.1049, §24.238				
24.5; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9400, Frequency = 1880MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.5; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
24.6 Band edge compliance §2.1053, §24.238				
24.6; Band edge compliance summary §2.1053, §24.238	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Band edge compliance summary §2.1053, §24.238	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted	Passed	2016/08/01	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
24.6 Band edge compliance §2.1053, §24.238				
24.6; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = FDD2, Mode = HSDPA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = FDD2, Mode = HSDPA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = FDD2, Mode = HSUPA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = FDD2, Mode = HSUPA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9262, Frequency = 1852.4MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.6; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9538, Frequency = 1907.6MHz	Passed	2016/08/11	Lab 2	S01_AF03
24.7 Peak-to-Average ratio §2.1046, §24.232				
24.7; Peak-to-Average Ratio Summary §2.1046, §24.232	Passed	2016/08/11	Lab 2	S01_AF03
24.7; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.7; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.7; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.7; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
24.7; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

Test Specification: FCC part 2 and 27

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
27.1 RF Power Output §2.1046, §27.250				
27.1; RF Power Output Summary §2.1046, §27.250	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
27.1 RF Power Output §2.1046, §27.250				
27.1; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 19957, Frequency = 1710.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
27.1 RF Power Output §2.1046, §27.250				
27.1; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.1; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.2 Frequency stability §2.1055, §27.54				
27.2; Frequency stability Summary §2.1055, §27.54	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
27.3 Spurious emissions at antenna terminals §2.1051, §27.53				
27.3; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.3; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.3; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.3; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.3; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.3; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.4 Field strength of spurious radiation §2.1053, §27.53				
27.4; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04
27.4; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04
27.4; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04
27.4; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04
27.4; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04
27.4; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = radiated	Passed	2016/08/08	Lab 1	S01_AQ04

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
27.5 Emission and Occupied Bandwidth §2.1049				
27.5; Emission and Occupied Bandwidth Summary §2.1049	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
27.5 Emission and Occupied Bandwidth §2.1049				
27.5; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 19957, Frequency = 1710.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 19957, Frequency = 1710.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
27.5 Emission and Occupied Bandwidth §2.1049				
27.5; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.5; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
27.6 Band edge compliance §2.1053, §27.53				
27.6; Band edge compliance summary §2.1053, §27.53	Passed	2016/08/26	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 19957, Frequency = 1710.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
27.6 Band edge compliance §2.1053, §27.53				
27.6; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 19957, Frequency = 1710.7MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03
27.6; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted	Passed	2016/08/11	Lab 2	S01_AF03

3.5 Detailed Results

3.5.1 22.1 RF Power Output §2.1046, §22.913

Test: 22.1; _RF Power Output Summary §2.1046, §22.913

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/18 14:34	FCC part 2 and 22

Detailed Results:

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	Peak Conducted Power (dBm)	Average Conducted Power (dBm)	RMS Conducted Power (dBm)	FCC EIRP Limit (W)	IC EIRP Limit (W)	Maximum Antenna Gain (dBi)
FDD V	low	-	5	28.7	22.93	23.06	11.48	11.5	17.54
FDD V	mid	-	5	28.44	22.93	23.14	11.48	11.5	17.46
FDD V	high	-	5	28.58	22.88	23.08	11.48	11.5	17.52
FDD V HSDPA Subtest 1	low	-	5	28.7	23.36	23.6	11.48	11.5	17
FDD V HSDPA Subtest 1	mid	-	5	28.32	23.32	23.67	11.48	11.5	16.93
FDD V HSDPA Subtest 1	high	-	5	28.58	23.22	23.46	11.48	11.5	17.14
FDD V HSDPA Subtest 2	low	-	5	29.67	23.16	23.26	11.48	11.5	17.34
FDD V HSDPA Subtest 2	mid	-	5	29.09	22.71	23.93	11.48	11.5	16.67
FDD V HSDPA Subtest 2	high	-	5	29.53	22.79	23.9	11.48	11.5	16.7
FDD V HSDPA Subtest 3	low	-	5	29.09	23.09	23.3	11.48	11.5	17.3
FDD V HSDPA Subtest 3	mid	-	5	29.31	22.6	23.28	11.48	11.5	17.32
FDD V HSDPA Subtest 3	high	-	5	29.31	23.44	23.84	11.48	11.5	16.76
FDD V HSDPA Subtest 4	low	-	5	29.09	22.51	23.31	11.48	11.5	17.29
FDD V HSDPA Subtest 4	mid	-	5	28.7	22.5	23.05	11.48	11.5	17.55
FDD V HSDPA Subtest 4	high	-	5	29.09	22.82	23.11	11.48	11.5	17.49
FDD V HSUPA Subtest 1	low	-	5	29.09	23.02	23.3	11.48	11.5	17.3
FDD V HSUPA Subtest 1	mid	-	5	28.7	22.77	23.24	11.48	11.5	17.36
FDD V HSUPA Subtest 1	high	-	5	29.09	23.04	23.24	11.48	11.5	17.36
FDD V HSUPA Subtest 2	low	-	5	30.17	21.18	22.46	11.48	11.5	18.14
FDD V HSUPA Subtest 2	mid	-	5	29.31	22.25	22.78	11.48	11.5	17.82
FDD V HSUPA Subtest 2	high	-	5	30.09	22.1	22.81	11.48	11.5	17.79
FDD V HSUPA Subtest 3	low	-	5	29.09	22.5	23.31	11.48	11.5	17.29
FDD V HSUPA Subtest 3	mid	-	5	30.17	23.13	23.96	11.48	11.5	16.64
FDD V HSUPA Subtest 3	high	-	5	30.39	23.24	23.87	11.48	11.5	16.73
FDD V HSUPA Subtest 4	low	-	5	27.93	21.05	21.81	11.48	11.5	18.79
FDD V HSUPA Subtest 4	mid	-	5	30.72	21.66	22.59	11.48	11.5	18.01
FDD V HSUPA Subtest 4	high	-	5	28.83	20.98	21.98	11.48	11.5	18.62
FDD V HSUPA Subtest 5	low	-	5	29.79	24.03	24.44	11.48	11.5	16.16
FDD V HSUPA Subtest 5	mid	-	5	30.39	23.94	24.52	11.48	11.5	16.08
FDD V HSUPA Subtest 5	high	-	5	29.79	23.8	24.21	11.48	11.5	16.39

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	Peak Conducted Power (dBm)	Average Conducted Power (dBm)	RMS Conducted Power (dBm)	FCC EIRP Limit (W)	IC EIRP Limit (W)	Maximum Antenna Gain (dBi)
eFDD 5 QPSK	low	1	1.4	-	-	21.09	11.48	11.5	19.51
eFDD 5 QPSK	low	3	1.4	-	-	20.84	11.48	11.5	19.76
eFDD 5 QPSK	low	6	1.4	-	-	19.87	11.48	11.5	20.73
eFDD 5 QPSK	mid	1	1.4	-	-	20.97	11.48	11.5	19.63
eFDD 5 QPSK	mid	3	1.4	-	-	20.68	11.48	11.5	19.92
eFDD 5 QPSK	mid	6	1.4	-	-	19.71	11.48	11.5	20.89
eFDD 5 QPSK	high	1	1.4	-	-	20.81	11.48	11.5	19.79
eFDD 5 QPSK	high	3	1.4	-	-	20.64	11.48	11.5	19.96
eFDD 5 QPSK	high	6	1.4	-	-	19.52	11.48	11.5	21.08
eFDD 5 16QAM	low	1	1.4	-	-	20	11.48	11.5	20.6
eFDD 5 16QAM	low	6	1.4	-	-	18.79	11.48	11.5	21.81
eFDD 5 16QAM	mid	1	1.4	-	-	19.89	11.48	11.5	20.71
eFDD 5 16QAM	mid	6	1.4	-	-	18.67	11.48	11.5	21.93
eFDD 5 16QAM	high	1	1.4	-	-	19.61	11.48	11.5	20.99
eFDD 5 16QAM	high	6	1.4	-	-	18.45	11.48	11.5	22.15
eFDD 5 QPSK	low	1	3	-	-	21.38	11.48	11.5	19.22
eFDD 5 QPSK	low	15	3	-	-	20.16	11.48	11.5	20.44
eFDD 5 QPSK	mid	1	3	-	-	21.32	11.48	11.5	19.28
eFDD 5 QPSK	mid	15	3	-	-	20.05	11.48	11.5	20.55
eFDD 5 QPSK	high	1	3	-	-	21.26	11.48	11.5	19.34
eFDD 5 QPSK	high	15	3	-	-	19.82	11.48	11.5	20.78
eFDD 5 16QAM	low	1	3	-	-	20.31	11.48	11.5	20.29
eFDD 5 16QAM	low	15	3	-	-	18.14	11.48	11.5	22.46
eFDD 5 16QAM	mid	1	3	-	-	20.24	11.48	11.5	20.36
eFDD 5 16QAM	mid	15	3	-	-	18.07	11.48	11.5	22.53
eFDD 5 16QAM	high	1	3	-	-	20.02	11.48	11.5	20.58
eFDD 5 16QAM	high	15	3	-	-	17.83	11.48	11.5	22.77
eFDD 5 QPSK	low	1	5	-	-	21.37	11.48	11.5	19.23
eFDD 5 QPSK	low	12	5	-	-	20.15	11.48	11.5	20.45
eFDD 5 QPSK	low	25	5	-	-	20.14	11.48	11.5	20.46
eFDD 5 QPSK	mid	1	5	-	-	21.36	11.48	11.5	19.24
eFDD 5 QPSK	mid	12	5	-	-	19.99	11.48	11.5	20.61
eFDD 5 QPSK	mid	25	5	-	-	20.04	11.48	11.5	20.56
eFDD 5 QPSK	high	1	5	-	-	21.37	11.48	11.5	19.23
eFDD 5 QPSK	high	12	5	-	-	19.83	11.48	11.5	20.77
eFDD 5 QPSK	high	25	5	-	-	19.81	11.48	11.5	20.79
eFDD 5 16QAM	low	1	5	-	-	20.39	11.48	11.5	20.21
eFDD 5 16QAM	low	25	5	-	-	18.09	11.48	11.5	22.51
eFDD 5 16QAM	mid	1	5	-	-	20.23	11.48	11.5	20.37
eFDD 5 16QAM	mid	25	5	-	-	17.99	11.48	11.5	22.61
eFDD 5 16QAM	high	1	5	-	-	20.33	11.48	11.5	20.27
eFDD 5 16QAM	high	25	5	-	-	17.79	11.48	11.5	22.81
eFDD 5 QPSK	low	1	10	-	-	21.59	11.48	11.5	19.01
eFDD 5 QPSK	low	50	10	-	-	20.48	11.48	11.5	20.12
eFDD 5 QPSK	mid	1	10	-	-	21.51	11.48	11.5	19.09
eFDD 5 QPSK	mid	50	10	-	-	20.4	11.48	11.5	20.2
eFDD 5 QPSK	high	1	10	-	-	21.49	11.48	11.5	19.11
eFDD 5 QPSK	high	50	10	-	-	20.23	11.48	11.5	20.37
eFDD 5 16QAM	low	1	10	-	-	20.45	11.48	11.5	20.15
eFDD 5 16QAM	low	50	10	-	-	18.53	11.48	11.5	22.07
eFDD 5 16QAM	mid	1	10	-	-	20.25	11.48	11.5	20.35
eFDD 5 16QAM	mid	50	10	-	-	18.41	11.48	11.5	22.19
eFDD 5 16QAM	high	1	10	-	-	20.08	11.48	11.5	20.52
eFDD 5 16QAM	high	50	10	-	-	18.28	11.48	11.5	22.32

Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 12:08	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 12:09	FCC part 2 and 22

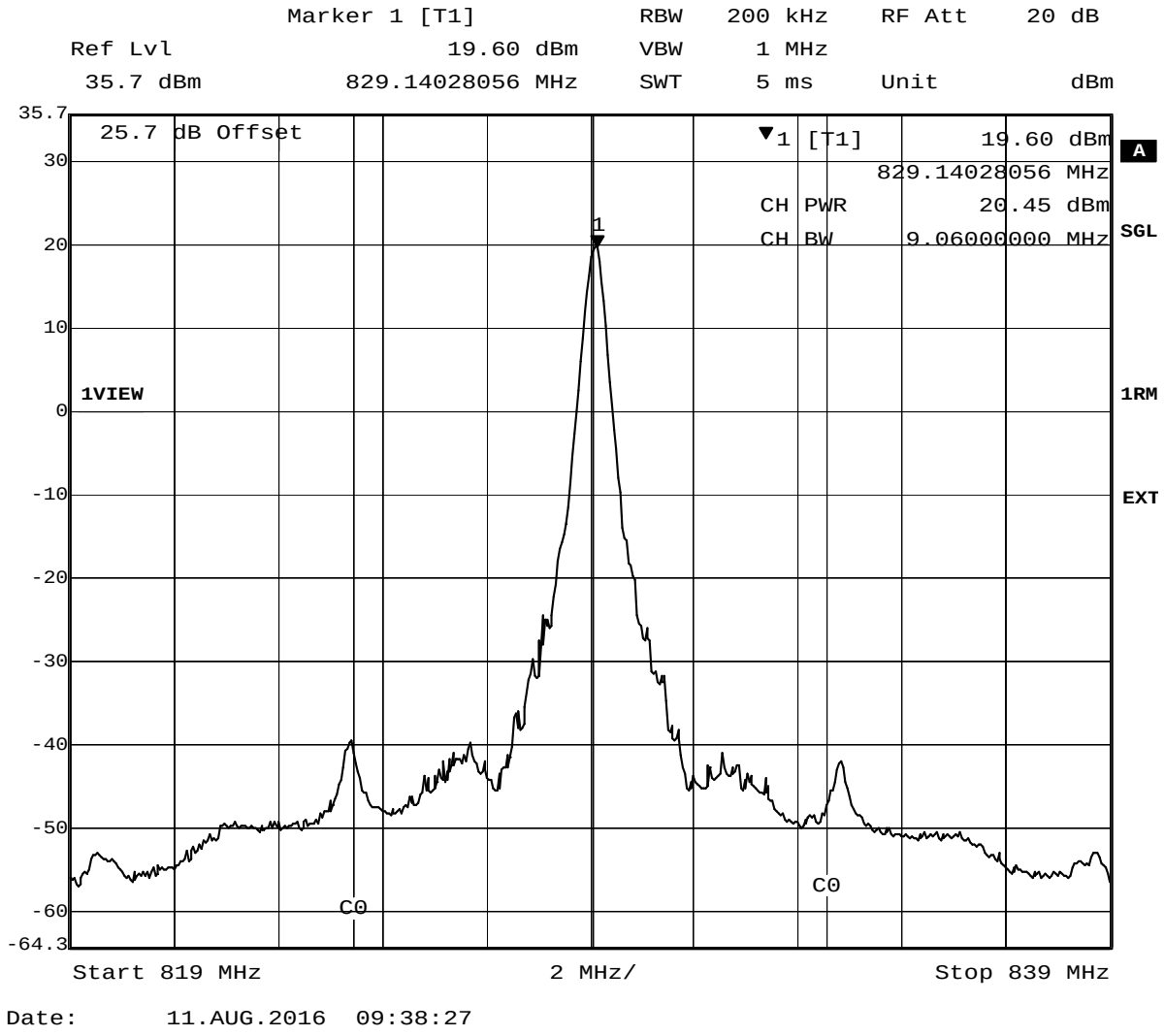
Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 12:10	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:24	FCC part 2 and 22

Detailed Results:



Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:25	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:26	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 12:16	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 12:46	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 12:46	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 13:45	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 13:46	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 13:46	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:58	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 12:04	FCC part 2 and 22

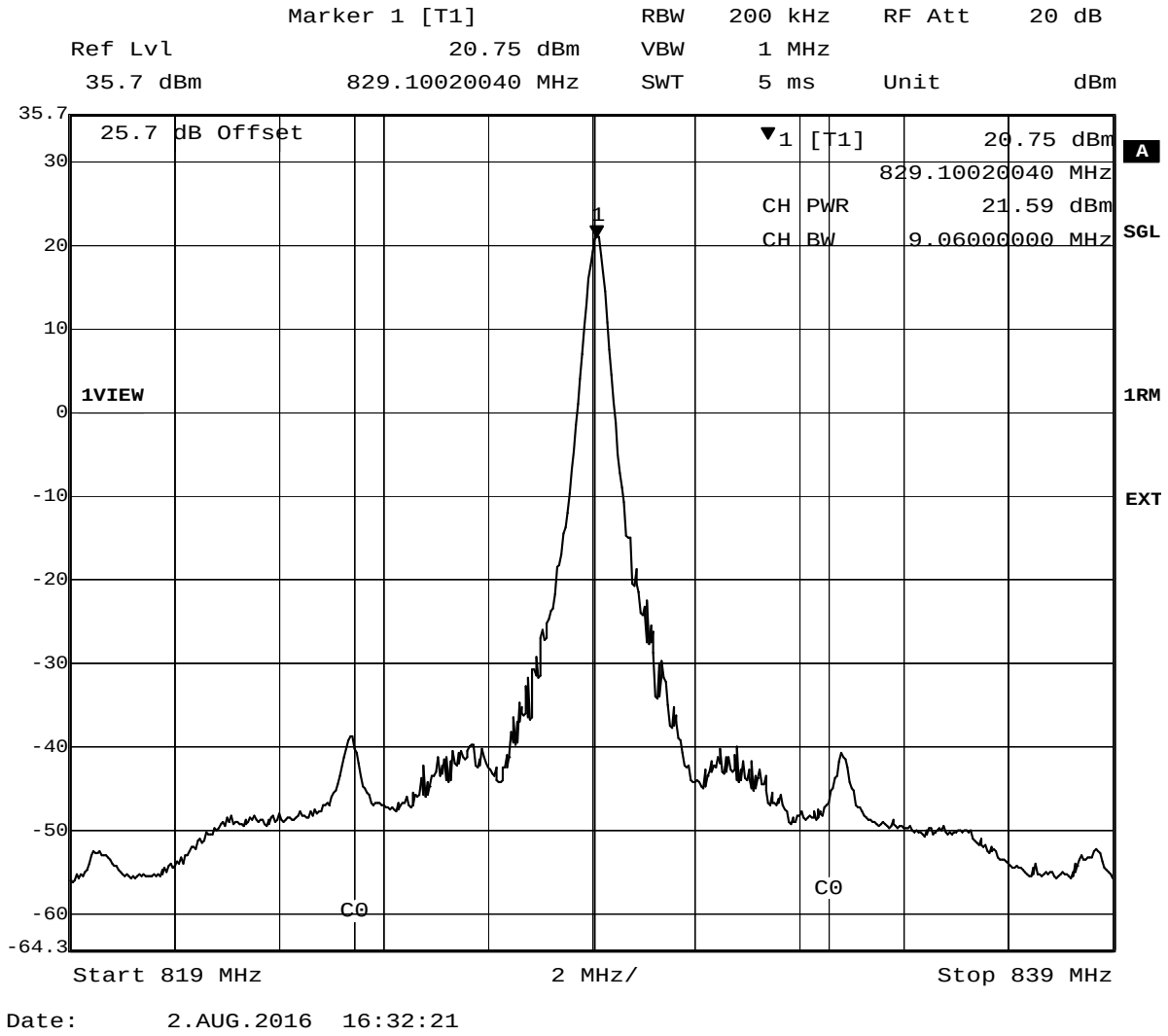
Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 12:05	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:22	FCC part 2 and 22

Detailed Results:



Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:23	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:23	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 12:11	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 12:14	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 12:14	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 13:39	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 13:41	FCC part 2 and 22

Test: 22.1; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 13:41	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:38	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:37	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:38	FCC part 2 and 22

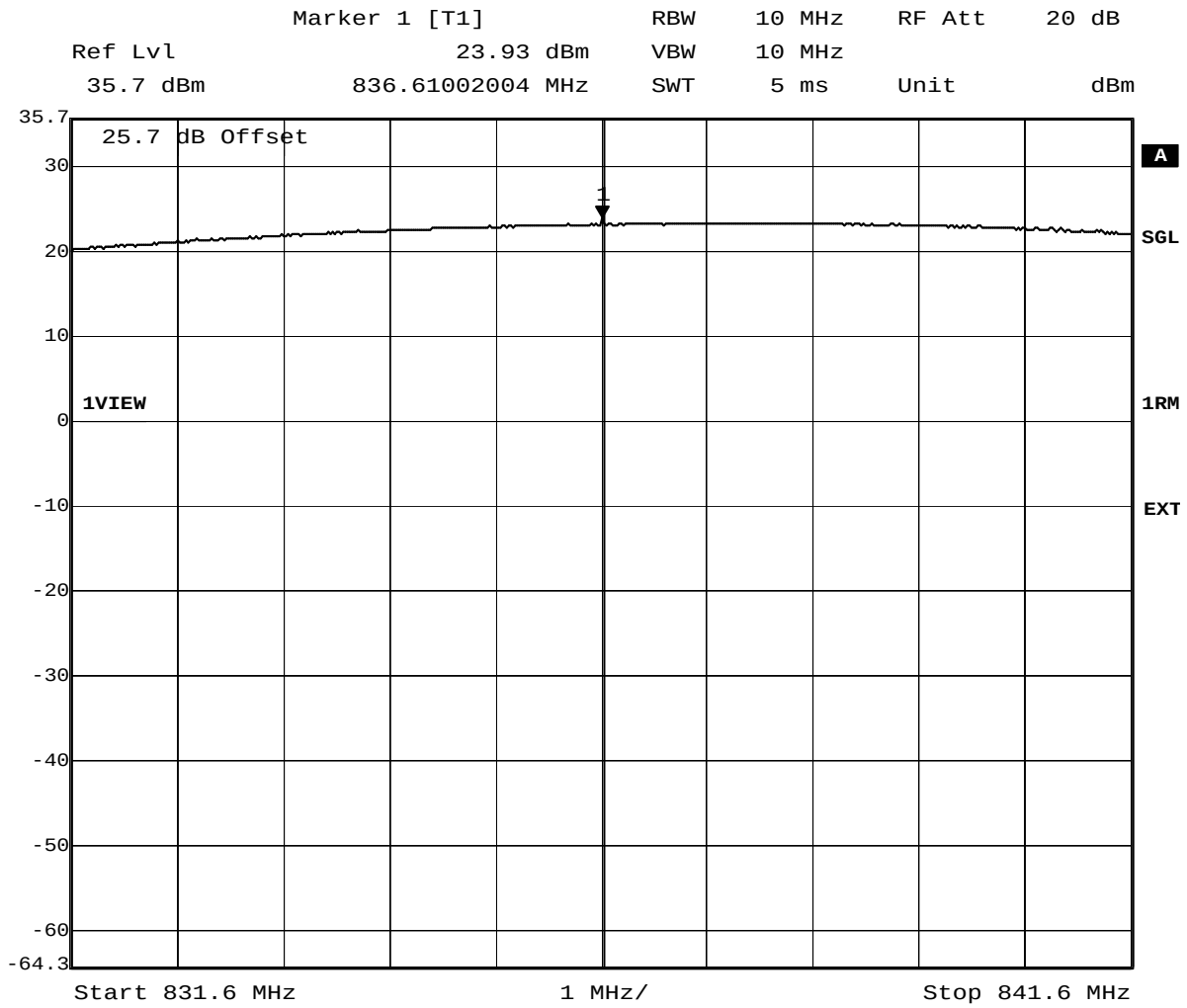
Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:53	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:52	FCC part 2 and 22

Detailed Results:



Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:54	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:06	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:05	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:04	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:09	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:10	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:11	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:34	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:35	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:36	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:39	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:41	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:40	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:55	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:54	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:56	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:08	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:06	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:08	FCC part 2 and 22

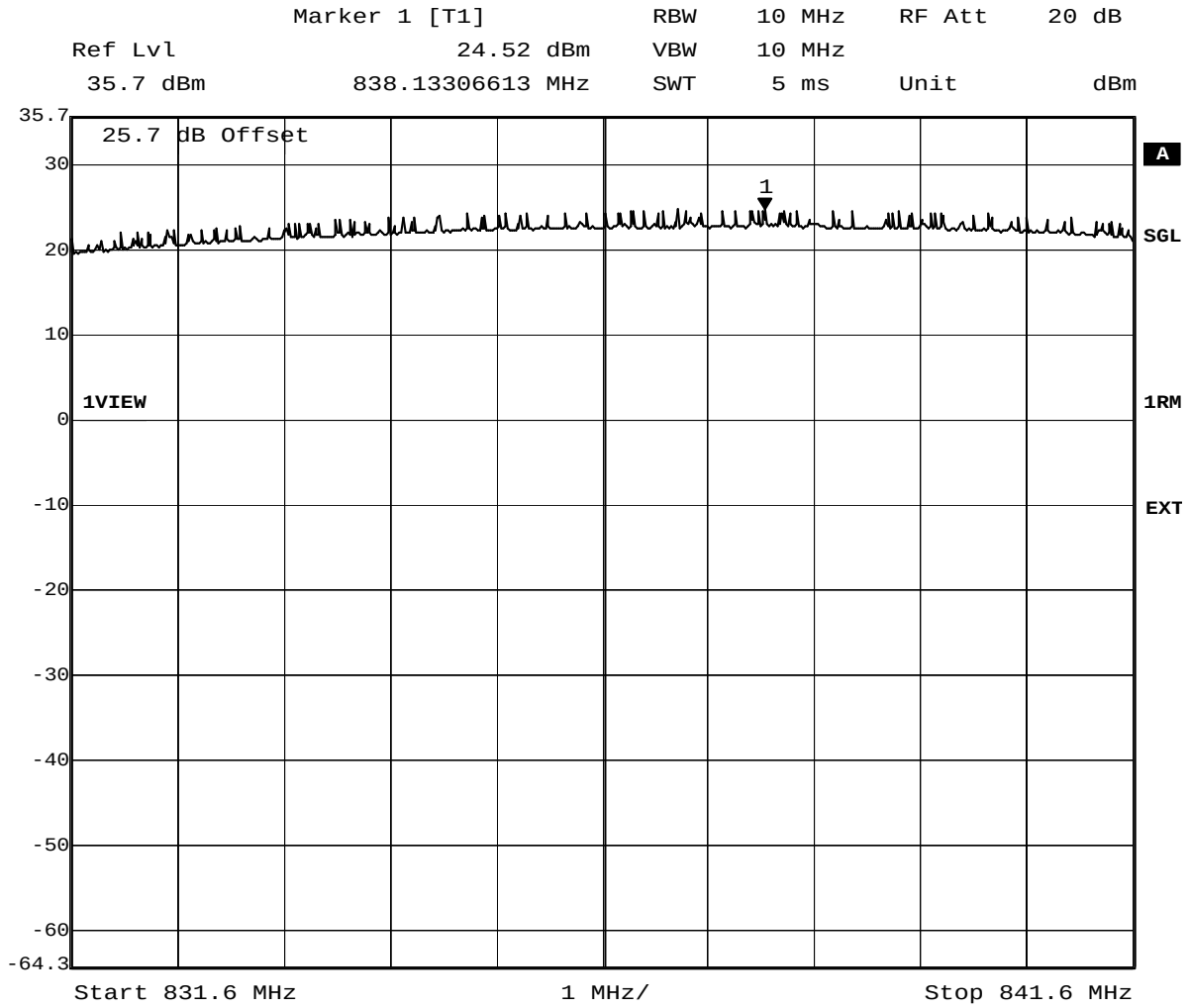
Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:50	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:51	FCC part 2 and 22

Detailed Results:



Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 11:52	FCC part 2 and 22

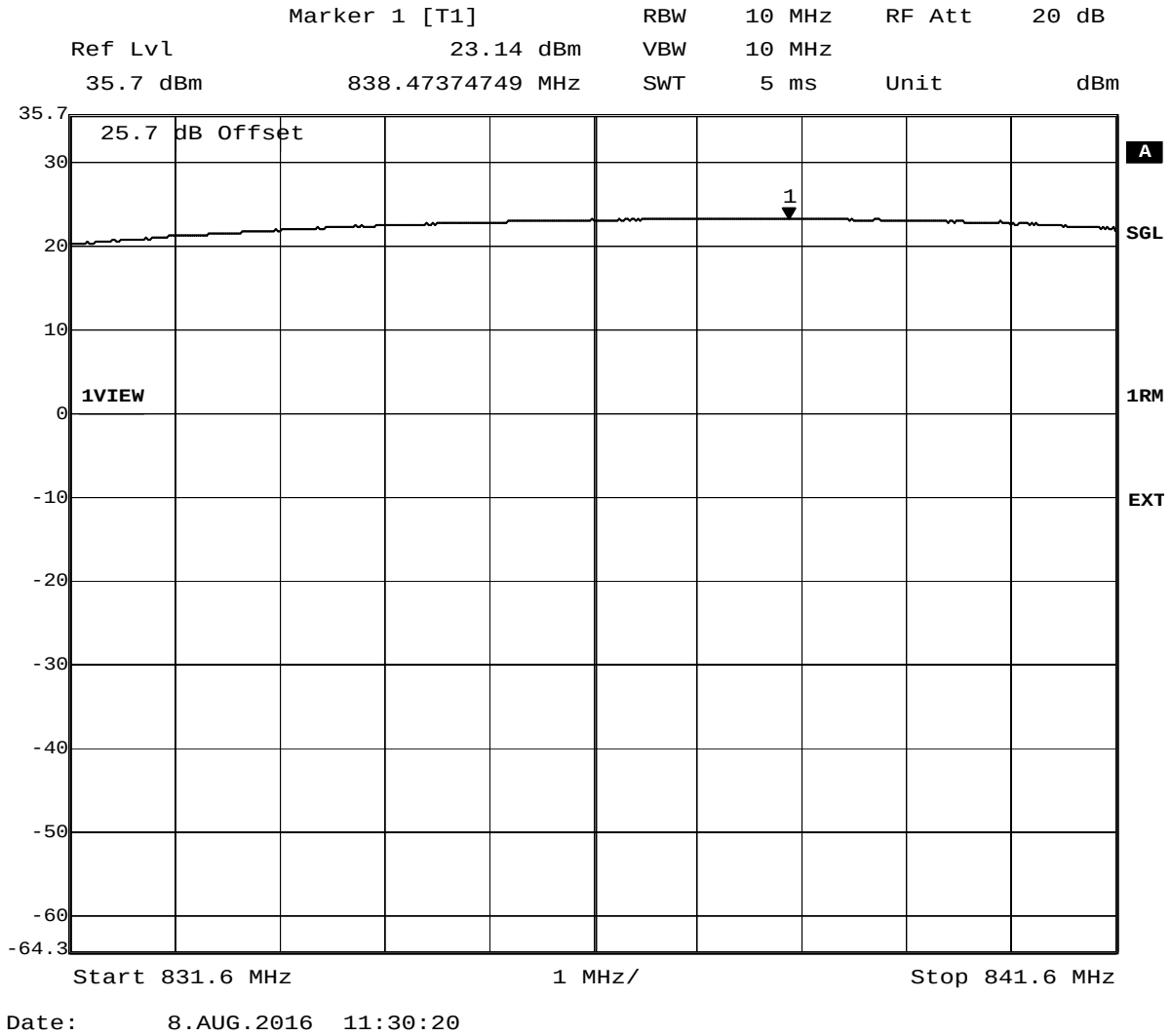
Test: 22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:33	FCC part 2 and 22

Test: 22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:32	FCC part 2 and 22

Detailed Results:



Test: 22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 10:33	FCC part 2 and 22

3.5.2 22.2 Frequency stability §2.1055

Test: 22.2; _Frequency stability Summary §2.1055

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/18 14:35	FCC part 2 and 22

Detailed Results:

Radio Technology	Voltage	Temp (°C)	Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (Hz)	Verdict
	100%	-30	836.5	12	0.01	2091	Passed
	100%	-20	836.5	8	0.01	2091	Passed
	100%	-10	836.5	-7	-0.01	2091	Passed
	100%	0	836.5	-9	-0.01	2091	Passed
	100%	10	836.5	-8	-0.01	2091	Passed
FDD V	100%	20	836.5	-10	-0.01	2091	Passed
	100%	30	836.5	-8	-0.01	2091	Passed
	100%	40	836.5	-9	-0.01	2091	Passed
	100%	50	836.5	-8	-0.01	2091	Passed
	85%	20	836.5	-8	-0.01	2091	Passed
	115%	20	836.5	-10	-0.01	2091	Passed

Radio Technology	Voltage	Temp (°C)	Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (Hz)	Verdict
	100%	-30	836.5	103	0.12	2091	Passed
	100%	-20	836.5	-61	-0.07	2091	Passed
	100%	-10	836.5	-89	-0.11	2091	Passed
	100%	0	836.5	-65	-0.08	2091	Passed
	100%	10	836.5	54	0.06	2091	Passed
FDD V HSDPA	100%	20	836.5	-72	-0.09	2091	Passed
Subtest 1	100%	30	836.5	89	0.11	2091	Passed
	100%	40	836.5	109	0.13	2091	Passed
	100%	50	836.5	-75	-0.09	2091	Passed
	85%	20	836.5	-48	-0.06	2091	Passed
	115%	20	836.5	-72	-0.09	2091	Passed

Radio Technology	Voltage	Temp (°C)	Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (Hz)	Verdict
	100%	-30	836.5	69	0.08	2091	Passed
	100%	-20	836.5	87	0.10	2091	Passed
	100%	-10	836.5	51	0.06	2091	Passed
	100%	0	836.5	22	0.03	2091	Passed
	100%	10	836.5	50	0.06	2091	Passed
FDD V HSUPA	100%	20	836.5	67	0.08	2091	Passed
Subtest 1	100%	30	836.5	47	0.06	2091	Passed
	100%	40	836.5	37	0.04	2091	Passed
	100%	50	836.5	79	0.09	2091	Passed
	85%	20	836.5	64	0.08	2091	Passed
	115%	20	836.5	87	0.10	2091	Passed

Radio Technology	Voltage	Temp (°C)	Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (Hz)	Verdict
	100%	-30	836.5	14	0.02	2091	Passed
	100%	-20	836.5	7	0.01	2091	Passed
	100%	-10	836.5	9	0.01	2091	Passed
	100%	0	836.5	8	0.01	2091	Passed
	100%	10	836.5	9	0.01	2091	Passed
eFDD 5 QPSK	100%	20	836.5	10	0.01	2091	Passed
1.4 MHz, 1 RB	100%	30	836.5	8	0.01	2091	Passed
	100%	40	836.5	10	0.01	2091	Passed
	100%	50	836.5	7	0.01	2091	Passed
	85%	20	836.5	8	0.01	2091	Passed
	115%	20	836.5	10	0.01	2091	Passed

3.5.3 22.3 Spurious emissions at antenna terminals §2.1051, §22.917

Test: 22.3; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:33	FCC part 2 and 22

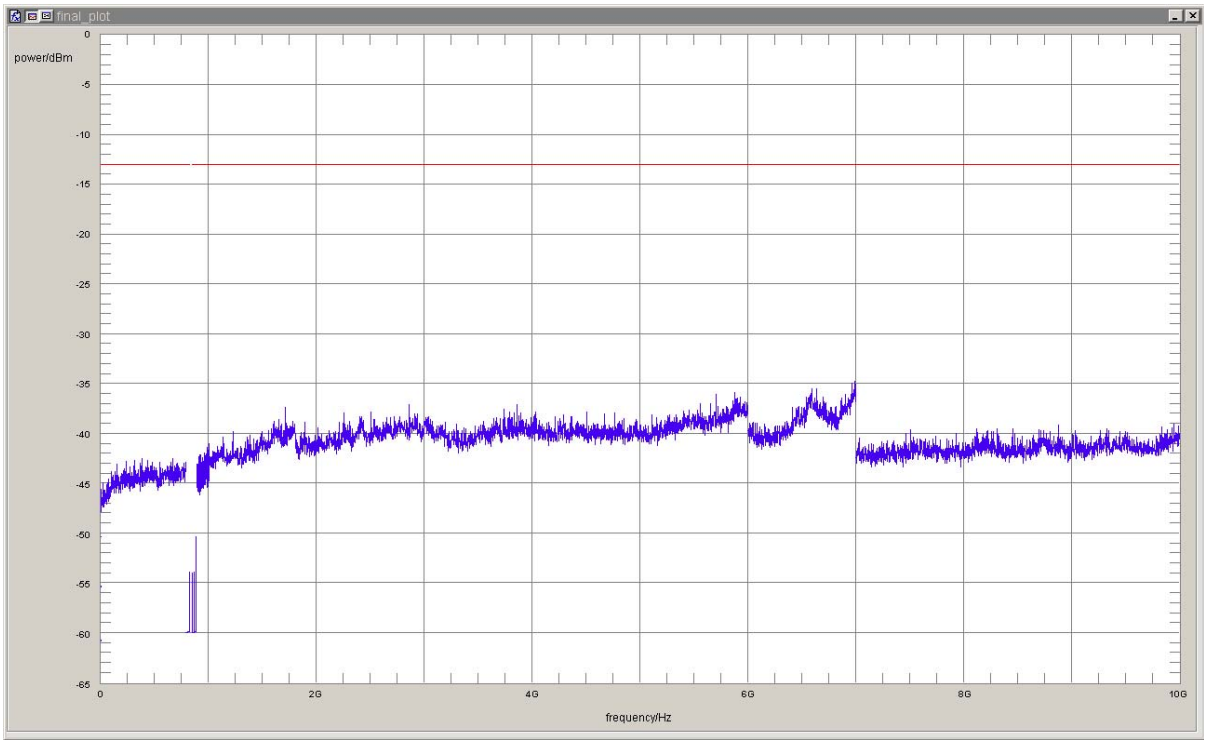
Test: 22.3; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:36	FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	100	6991.984	-34.72	21.72	-13	passed

no further values have been found with a margin of less than 20 dB



Test: 22.3; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:38	FCC part 2 and 22

Test: 22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:31	FCC part 2 and 22

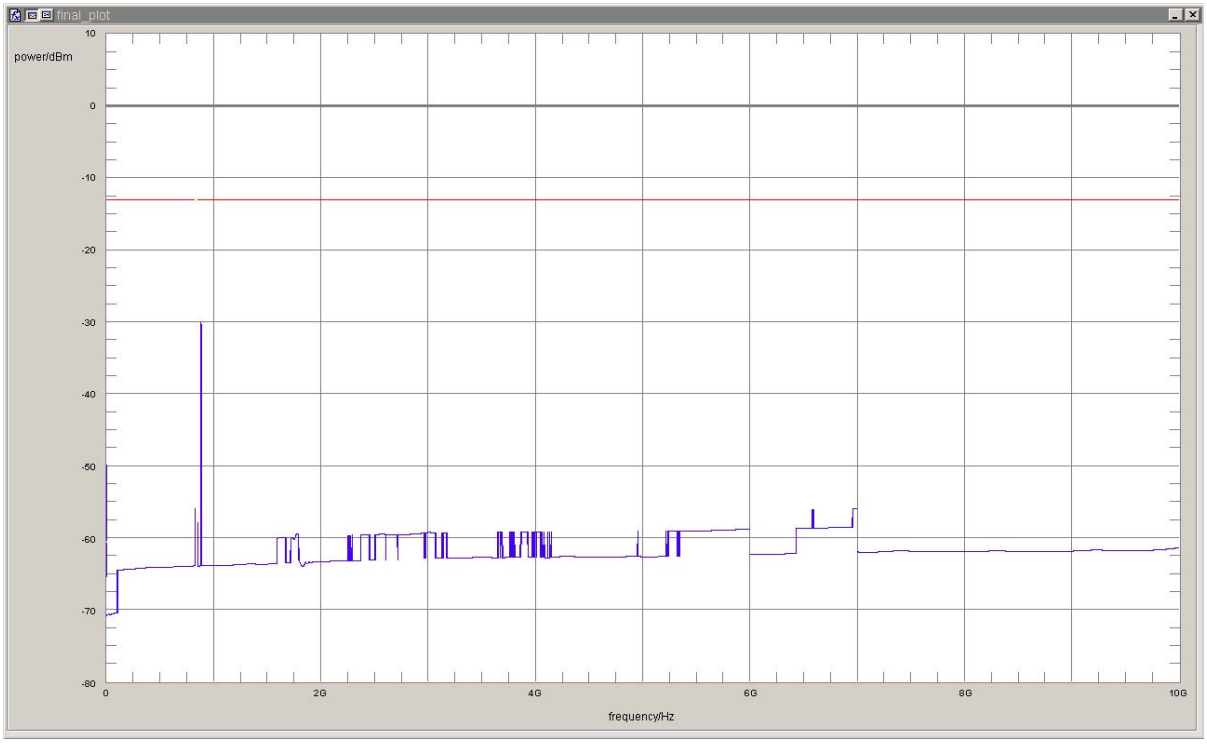
Test: 22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:28	FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	100	880.06	-30.1	17.1	-13.0	passed

no further values have been found with a margin of less than 20 dB



Test: 22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:29	FCC part 2 and 22

Test: 22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:25	FCC part 2 and 22

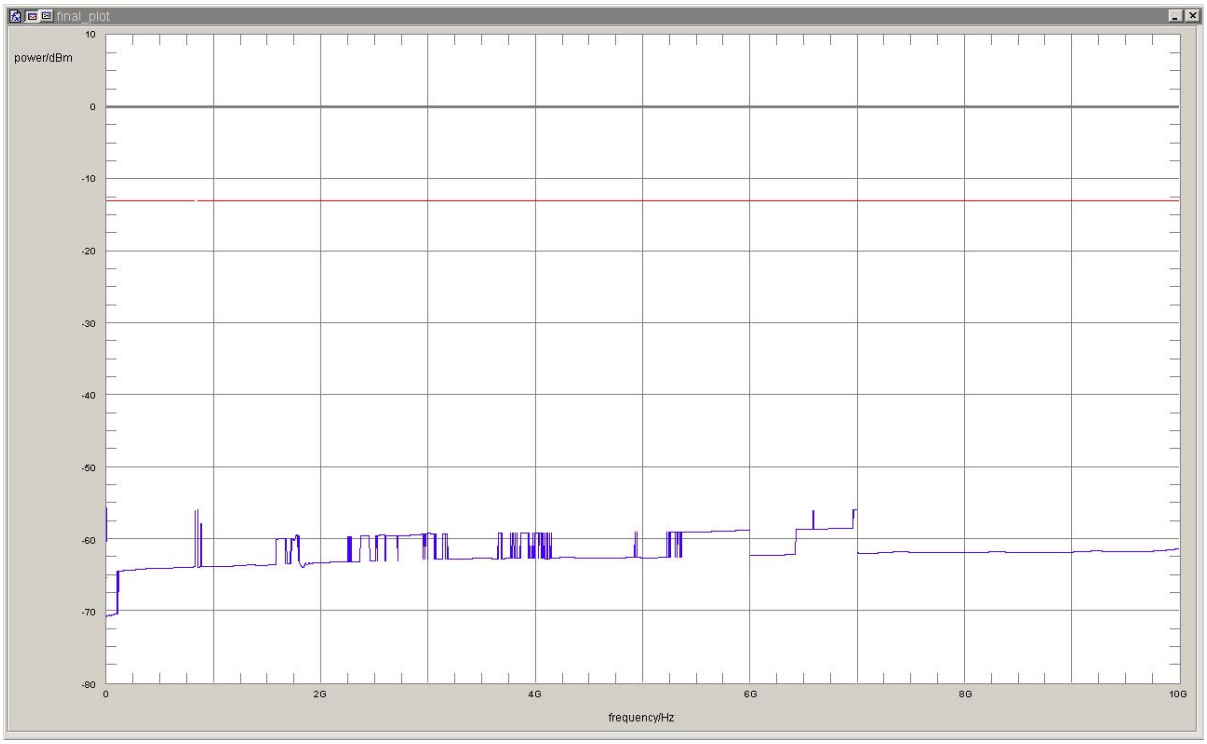
Test: 22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:24	FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	1	0.030	-55.50	42.50	-13	passed

no further values have been found with a margin of less than 20 dB



Test: 22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:25	FCC part 2 and 22

Test: 22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:21	FCC part 2 and 22

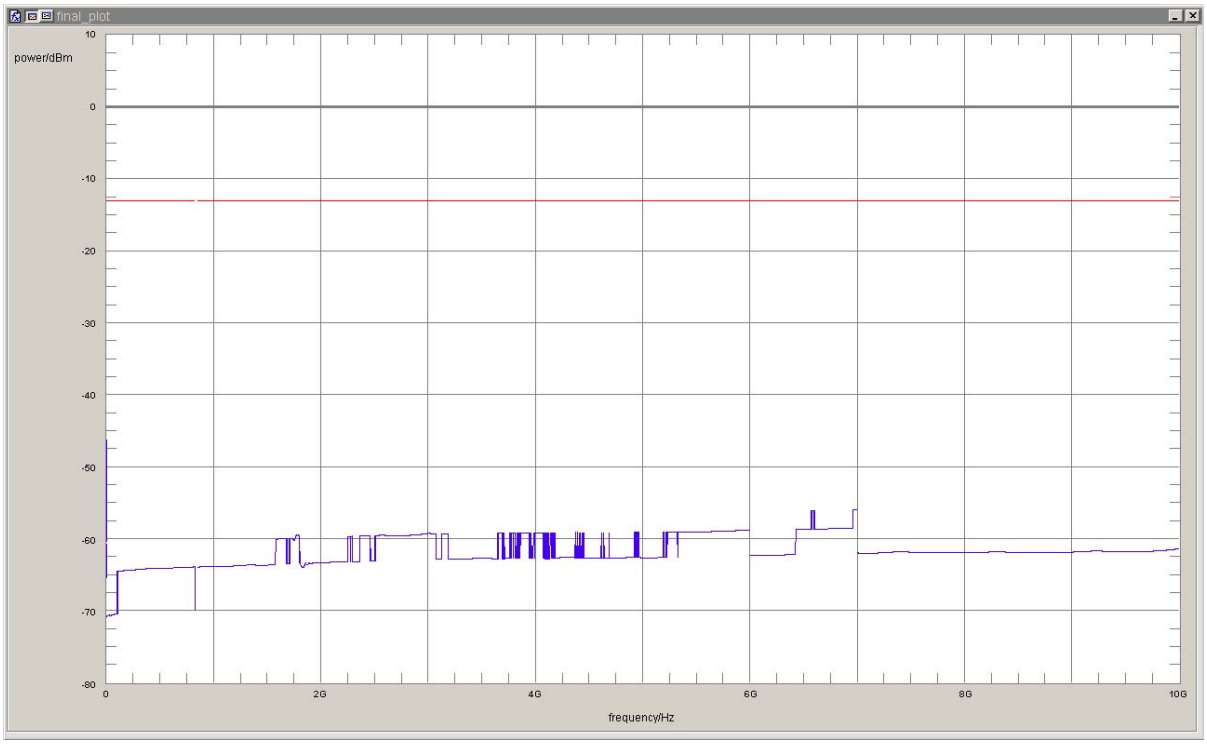
Test: 22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:20	FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	3	0.034	-46.30	33.30	-13	passed

no further values have been found with a margin of less than 20 dB



Test: 22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:22	FCC part 2 and 22

3.5.4 22.4 Field strength of spurious radiation §2.1053, §22.917

Test: 22.4; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/18 10:50	FCC part 2 and 22

Test: 22.4; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/18 10:51	FCC part 2 and 22

Test: 22.4; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/18 10:51	FCC part 2 and 22

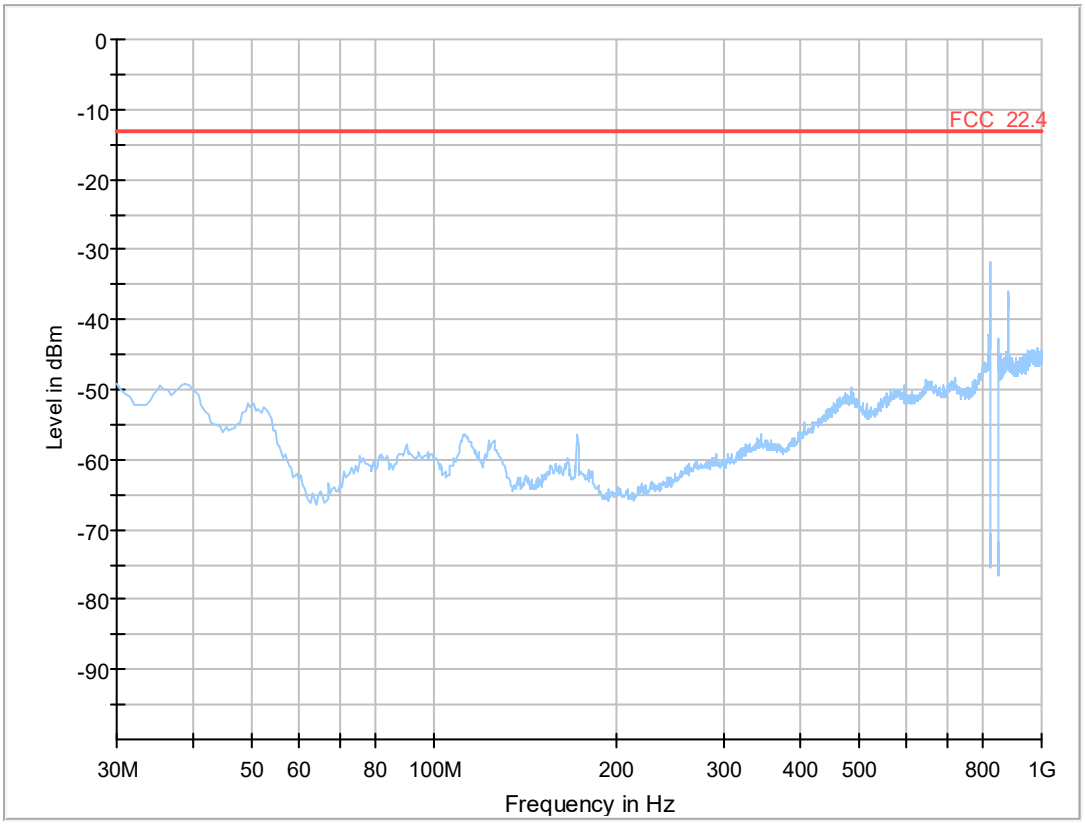
Test: 22.4; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 11:02	FCC part 2 and 22

Test: 22.4; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 11:05	FCC part 2 and 22

Detailed Results:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

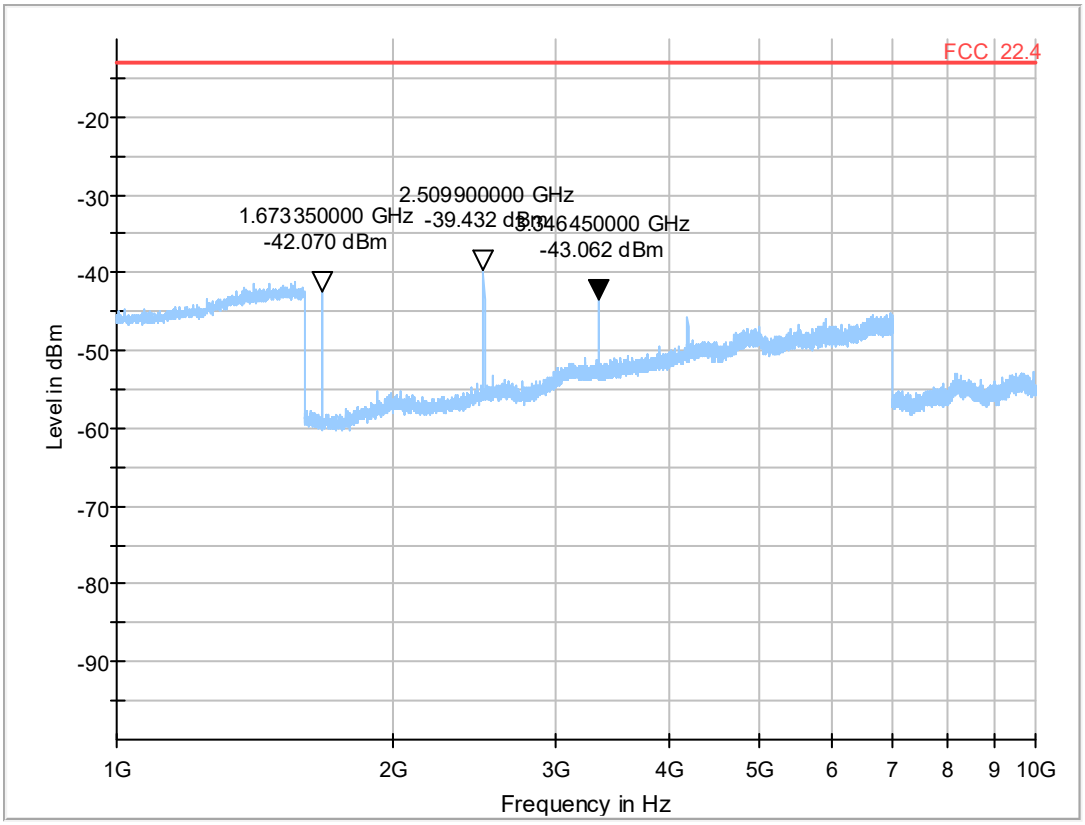
Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
---	---	---	---	---	---	---		---	---

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Test: 22.4; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 11:08	FCC part 2 and 22

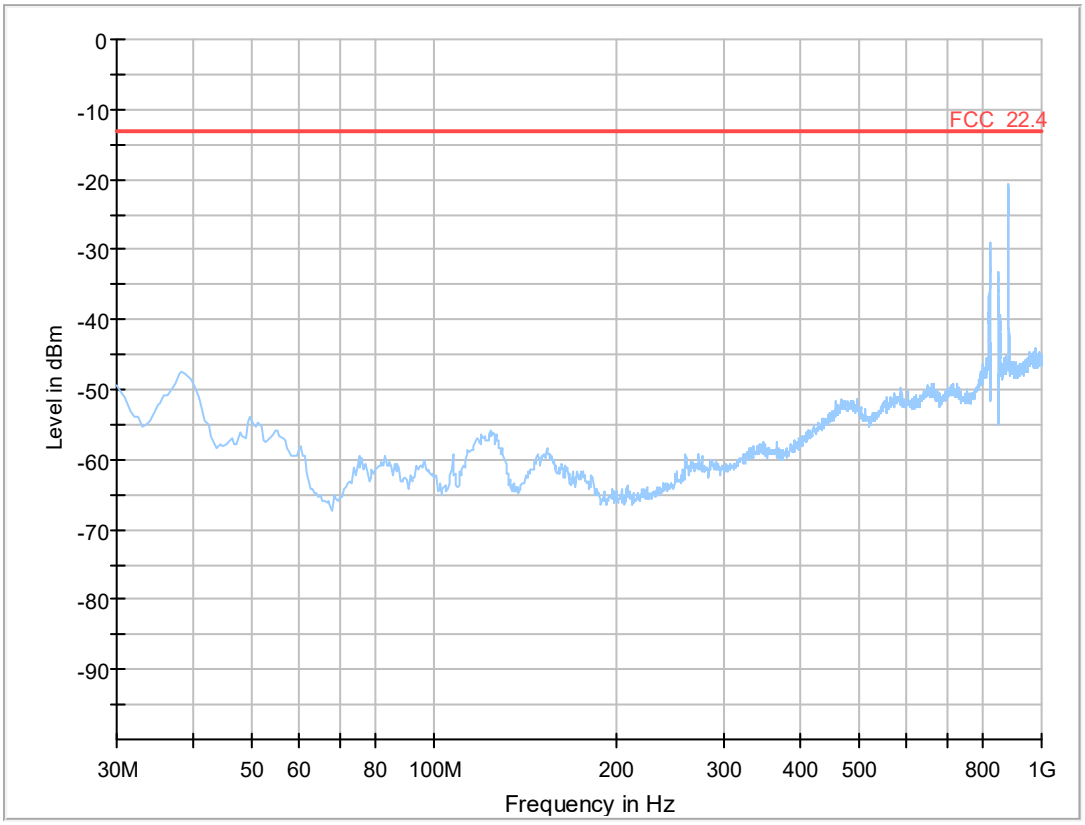
Test: 22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 11:58	FCC part 2 and 22

Test: 22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 12:00	FCC part 2 and 22

Detailed Results:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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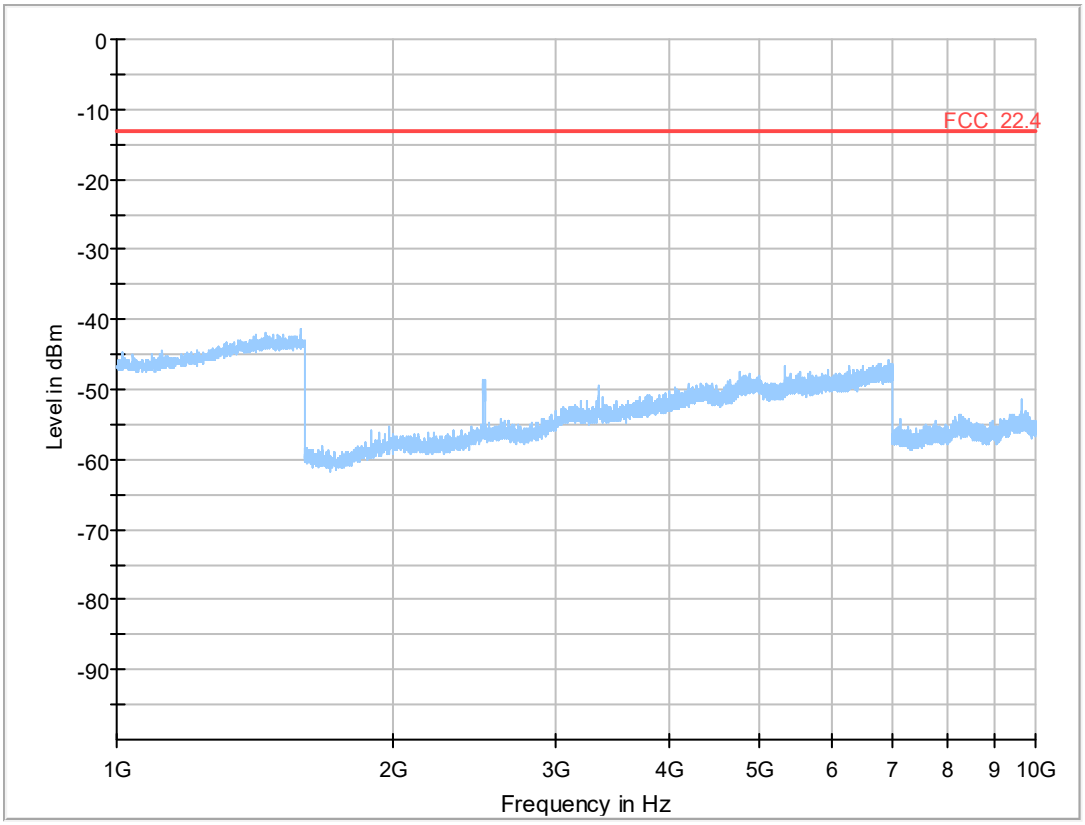

Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Test: 22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 12:02	FCC part 2 and 22

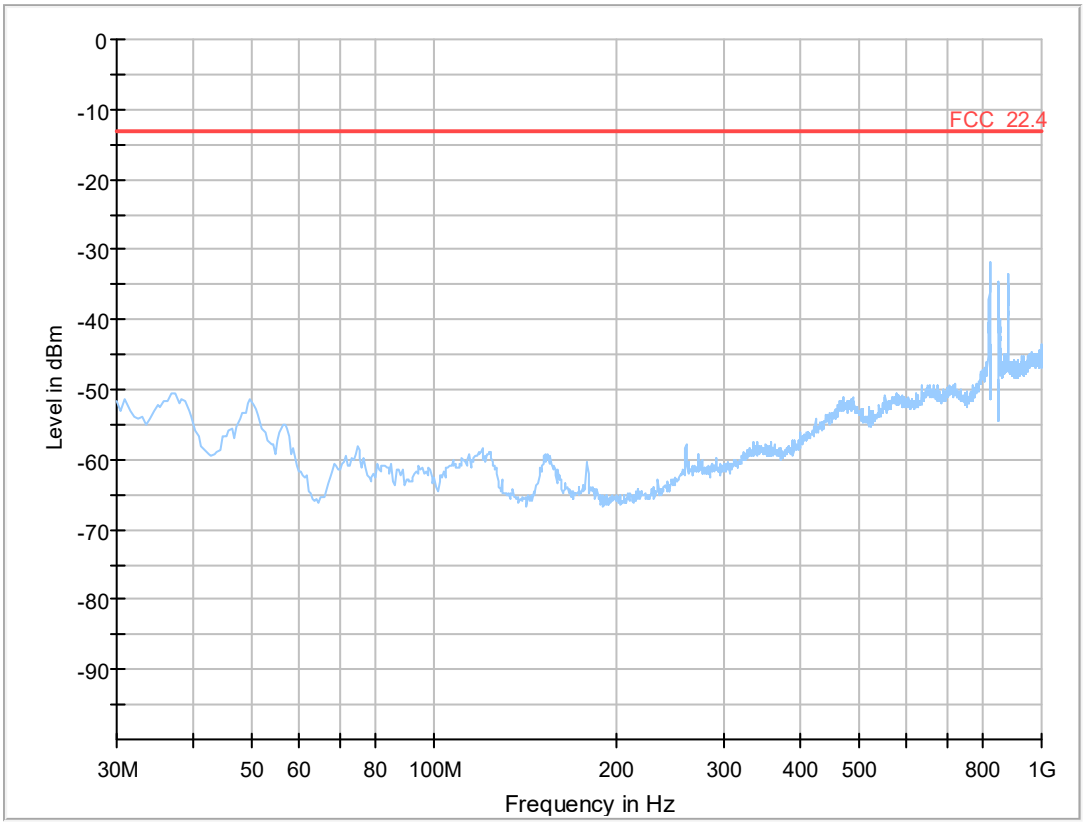
Test: 22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 11:36	FCC part 2 and 22

Test: 22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 11:35	FCC part 2 and 22

Detailed Results:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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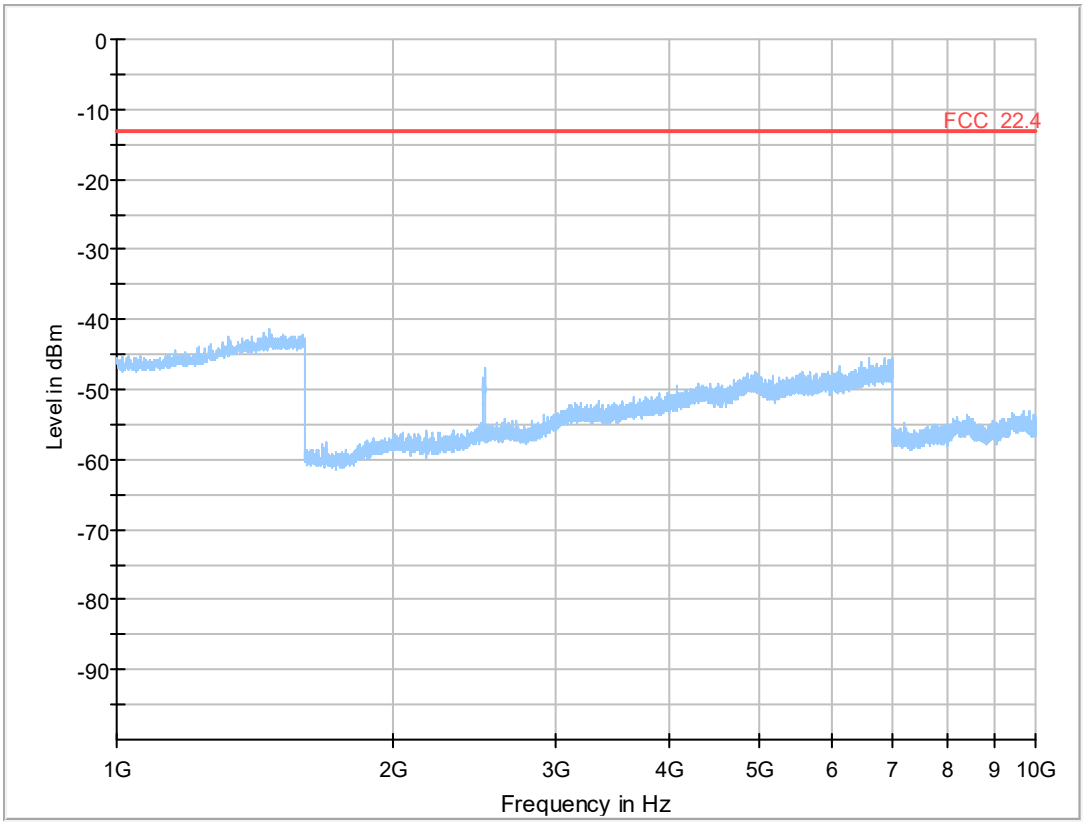

Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Test: 22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 11:37	FCC part 2 and 22

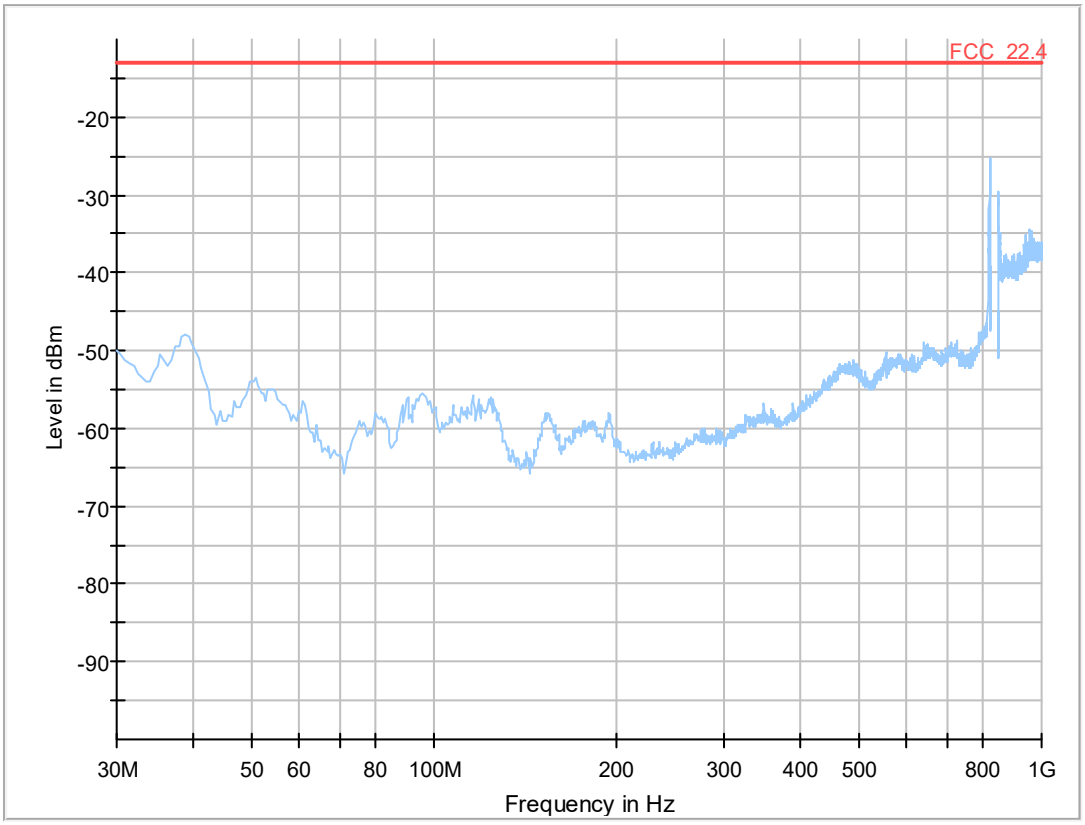
Test: 22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 11:16	FCC part 2 and 22

Test: 22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 11:14	FCC part 2 and 22

Detailed Results:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
---	---	---	---	---	---	---		---	---

(continuation of the "Critical_Freqs" table from column 16 ...)

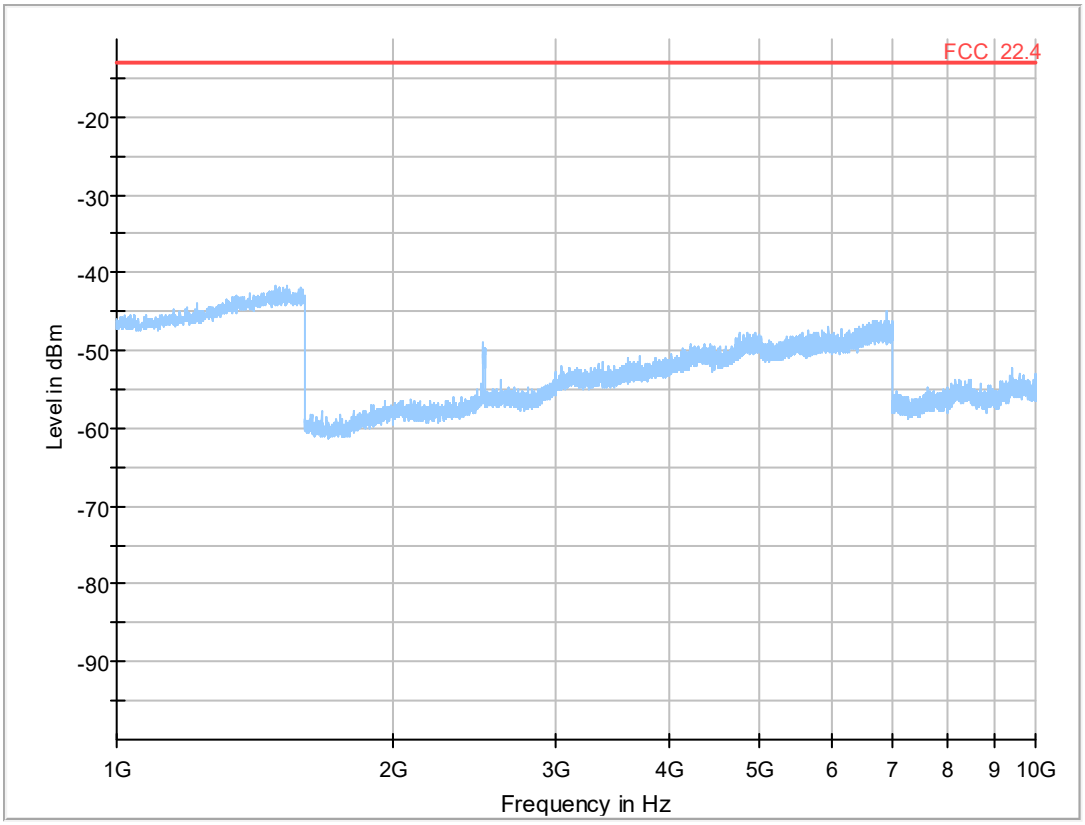
Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
---	---	---	---	---	---	---		---	---

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
---	---	---	---	---	---	---		---	---

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Test: 22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 11:18	FCC part 2 and 22

3.5.5 22.5 Emission and Occupied Bandwidth §2.1049, §22.917

Test: 22.5; _Emission and Occupied Bandwidth Summary §2.1049, §22.917

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/18 14:36	FCC part 2 and 22

Detailed Results:

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	Nominal BW [MHz]	26 dB BW [kHz]	99 % BW [kHz]
FDD V	low	-	5	5	4669.3	4088.2
FDD V	mid	-	5	5	4709.4	4088.2
FDD V	high	-	5	5	4689.4	4088.2
FDD V HSDPA Subtest 1	low	-	5	5	4689.4	4088.2
FDD V HSDPA Subtest 1	mid	-	5	5	4789.6	4108.2
FDD V HSDPA Subtest 1	high	-	5	5	4689.4	4088.2
FDD V HSUPA Subtest 1	low	-	5	5	4729.5	4088.2
FDD V HSUPA Subtest 1	mid	-	5	5	4729.5	4108.2
FDD V HSUPA Subtest 1	high	-	5	5	4829.7	4128.3
FDD V HSUPA Subtest 5	low	-	5	5	4829.6	4148.3
FDD V HSUPA Subtest 5	mid	-	5	5	4949.9	4168.3
FDD V HSUPA Subtest 5	high	-	5	5	4769.5	4148.3
eFDD 5 QPSK	low	6	1.4	1.4	-	1112.2
eFDD 5 QPSK	mid	6	1.4	1.4	-	1112.2
eFDD 5 QPSK	high	6	1.4	1.4	-	1118.2
eFDD 5 16QAM	low	6	1.4	1.4	-	1118.2
eFDD 5 16QAM	mid	6	1.4	1.4	-	1100.2
eFDD 5 16QAM	high	6	1.4	1.4	-	1106.2
eFDD 5 QPSK	low	15	3	3	-	2765.5
eFDD 5 QPSK	mid	15	3	3	-	2765.5
eFDD 5 QPSK	high	15	3	3	-	2765.5
eFDD 5 16QAM	low	15	3	3	-	2765.5
eFDD 5 16QAM	mid	15	3	3	-	2765.5
eFDD 5 16QAM	high	15	3	3	-	2765.5
eFDD 5 QPSK	low	25	5	5	-	4529.1
eFDD 5 QPSK	mid	25	5	5	-	4549.1
eFDD 5 QPSK	high	25	5	5	-	4509
eFDD 5 16QAM	low	25	5	5	-	4529.1
eFDD 5 16QAM	mid	25	5	5	-	4549.1
eFDD 5 16QAM	high	25	5	5	-	4549.1
eFDD 5 QPSK	low	50	10	10	-	9058.1
eFDD 5 QPSK	mid	50	10	10	-	9058.1
eFDD 5 QPSK	high	50	10	10	-	9018
eFDD 5 16QAM	low	50	10	10	-	9058.1
eFDD 5 16QAM	mid	50	10	10	-	9058.1
eFDD 5 16QAM	high	50	10	10	-	9018

Test: 22.5; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:53	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:53	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:54	FCC part 2 and 22

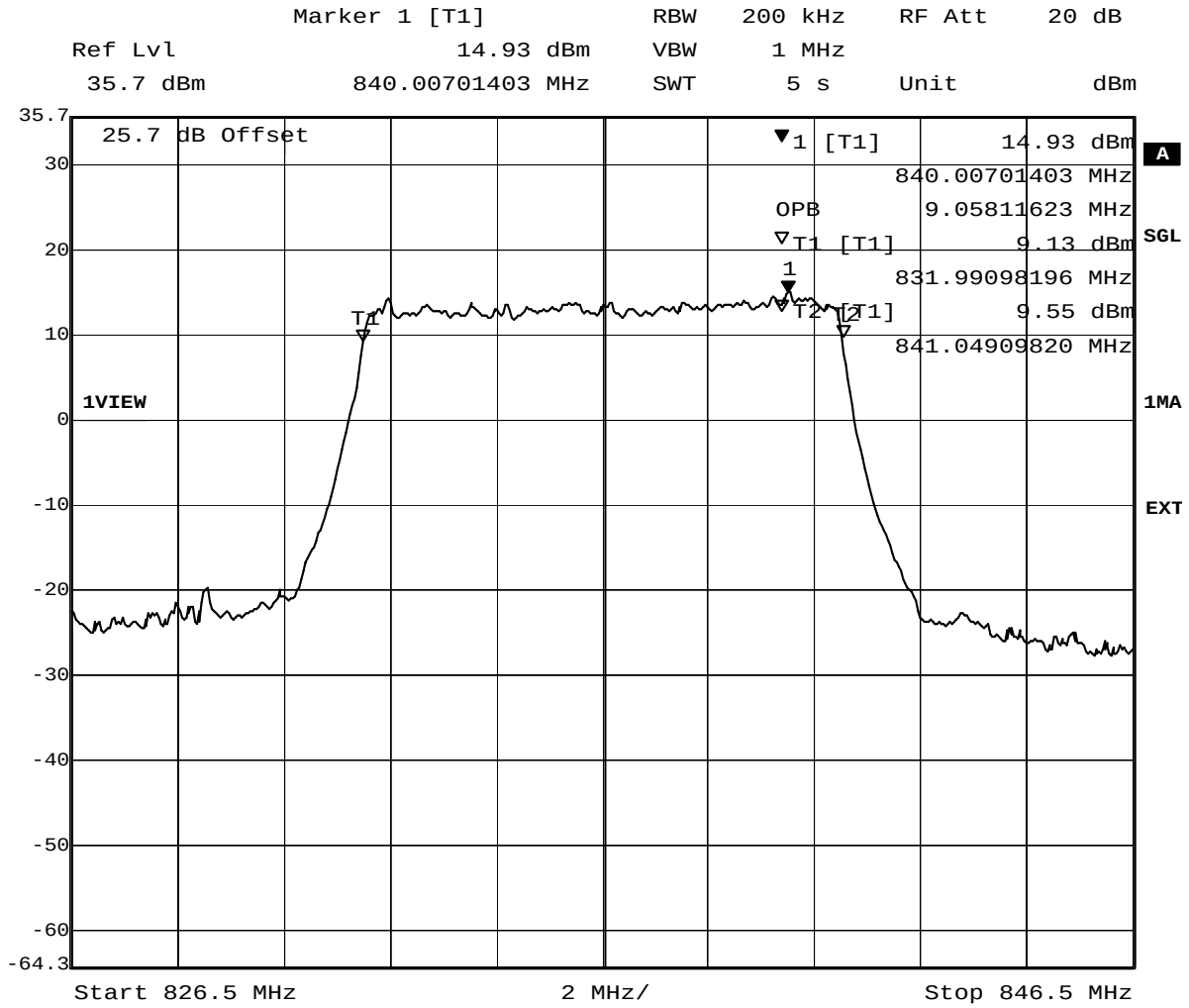
Test: 22.5; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:09	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:06	FCC part 2 and 22

Detailed Results:



Test: 22.5; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:10	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:57	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:58	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:03	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:04	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:09	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:51	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:51	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:50	FCC part 2 and 22

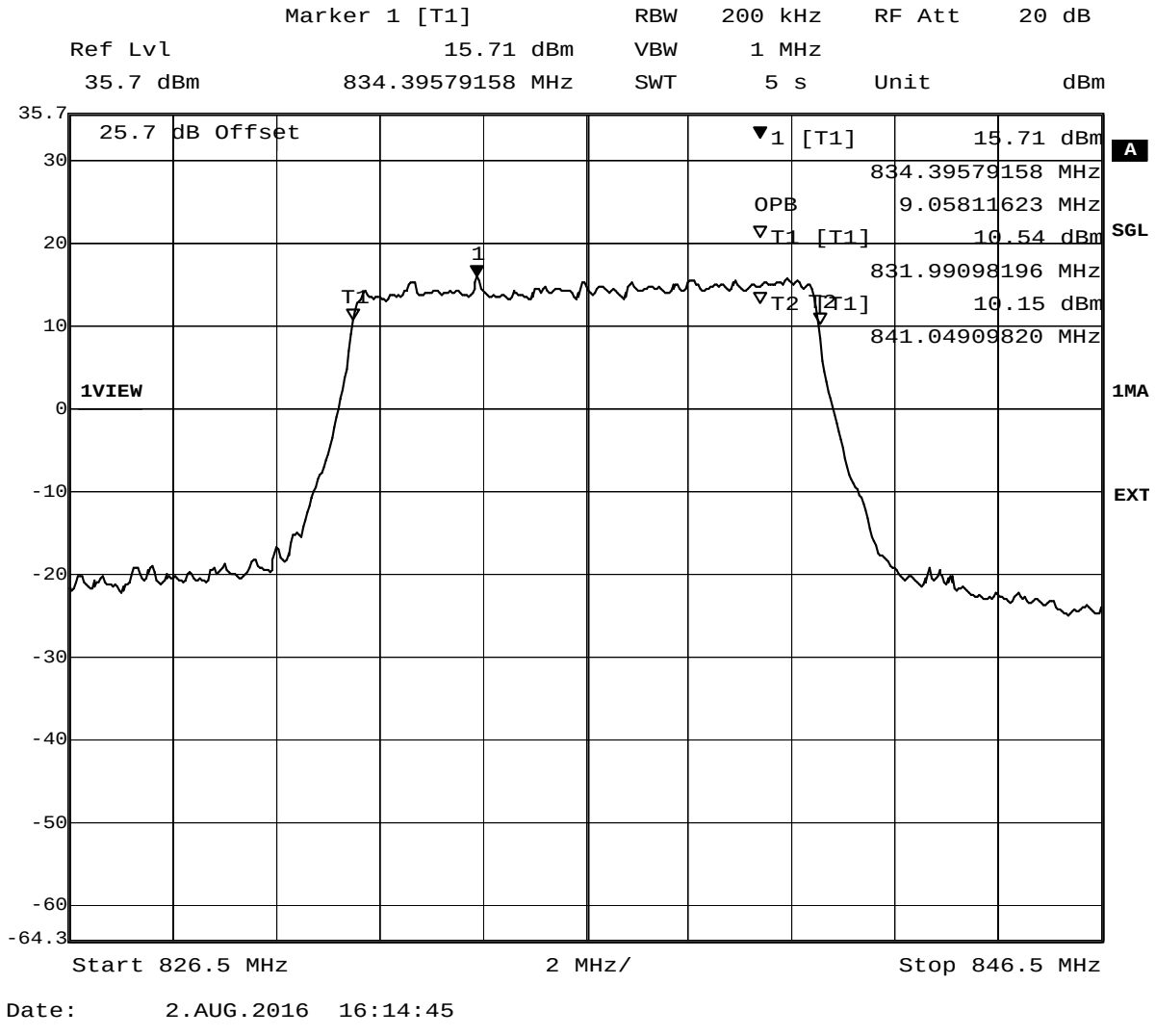
Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:09	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:06	FCC part 2 and 22

Detailed Results:



Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:10	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:56	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:55	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:56	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:11	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:04	FCC part 2 and 22

Test: 22.5; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:08	FCC part 2 and 22

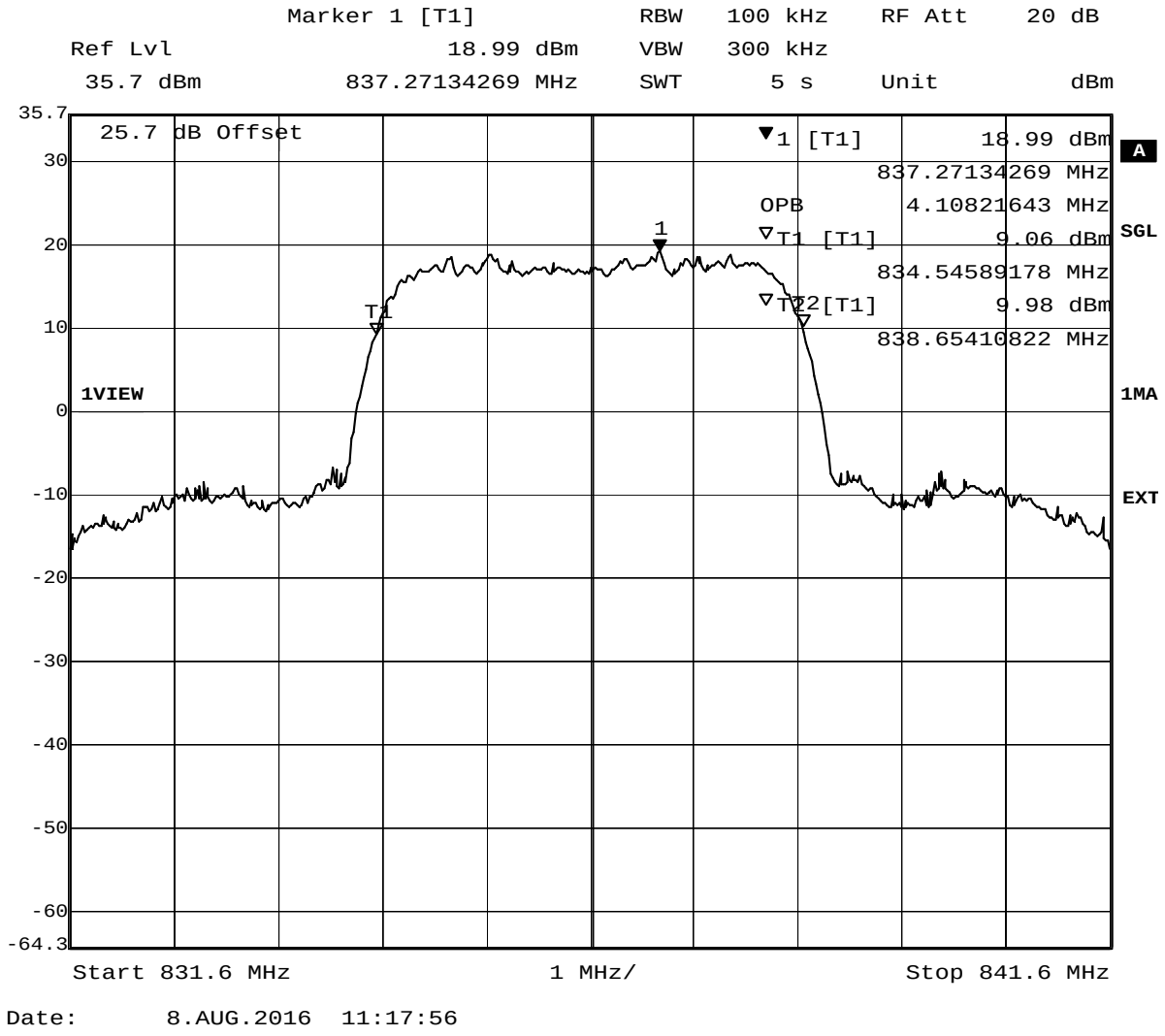
Test: 22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz

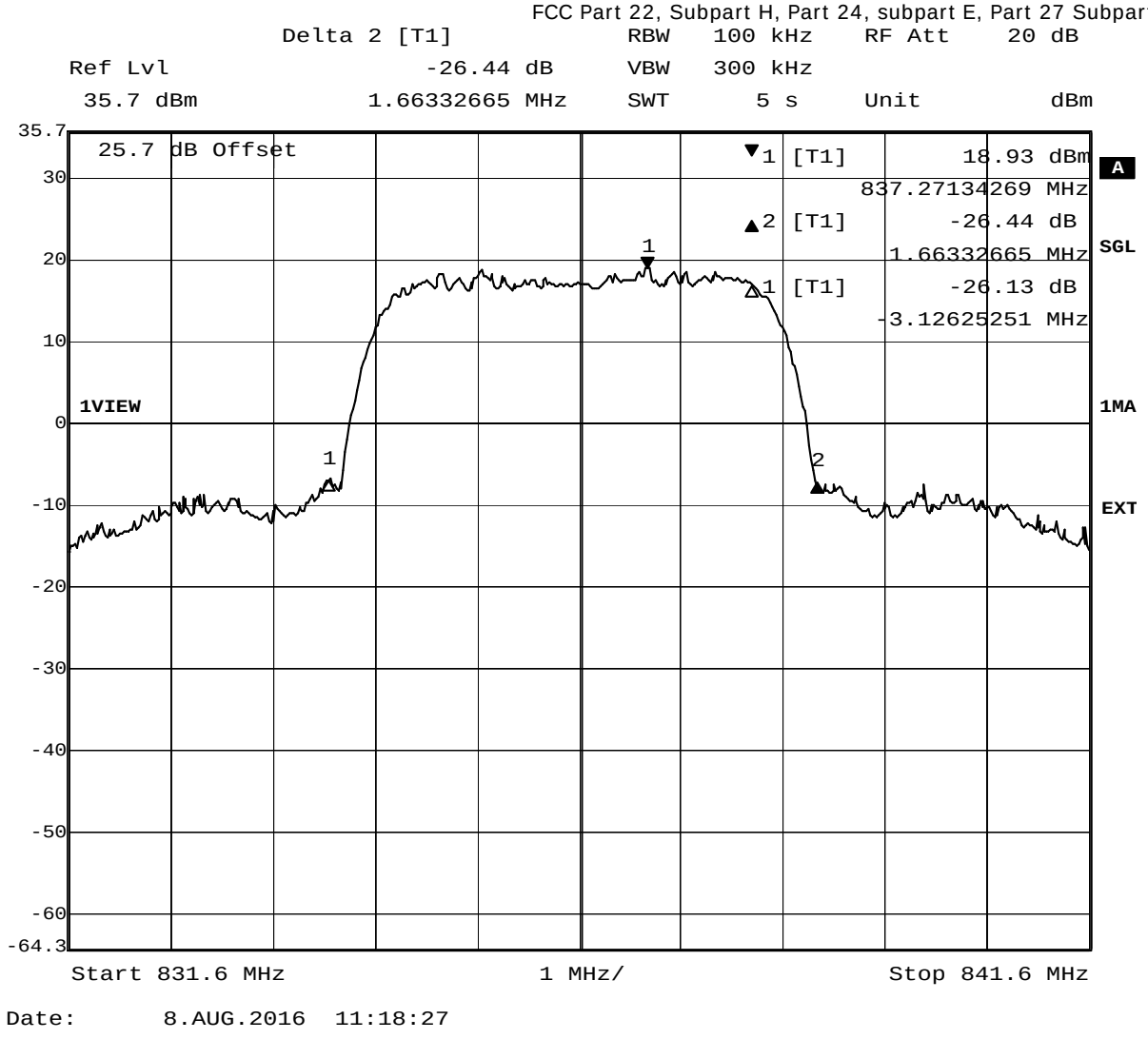
Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:34	FCC part 2 and 22

Test: 22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:33	FCC part 2 and 22

Detailed Results:





Test: 22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:38	FCC part 2 and 22

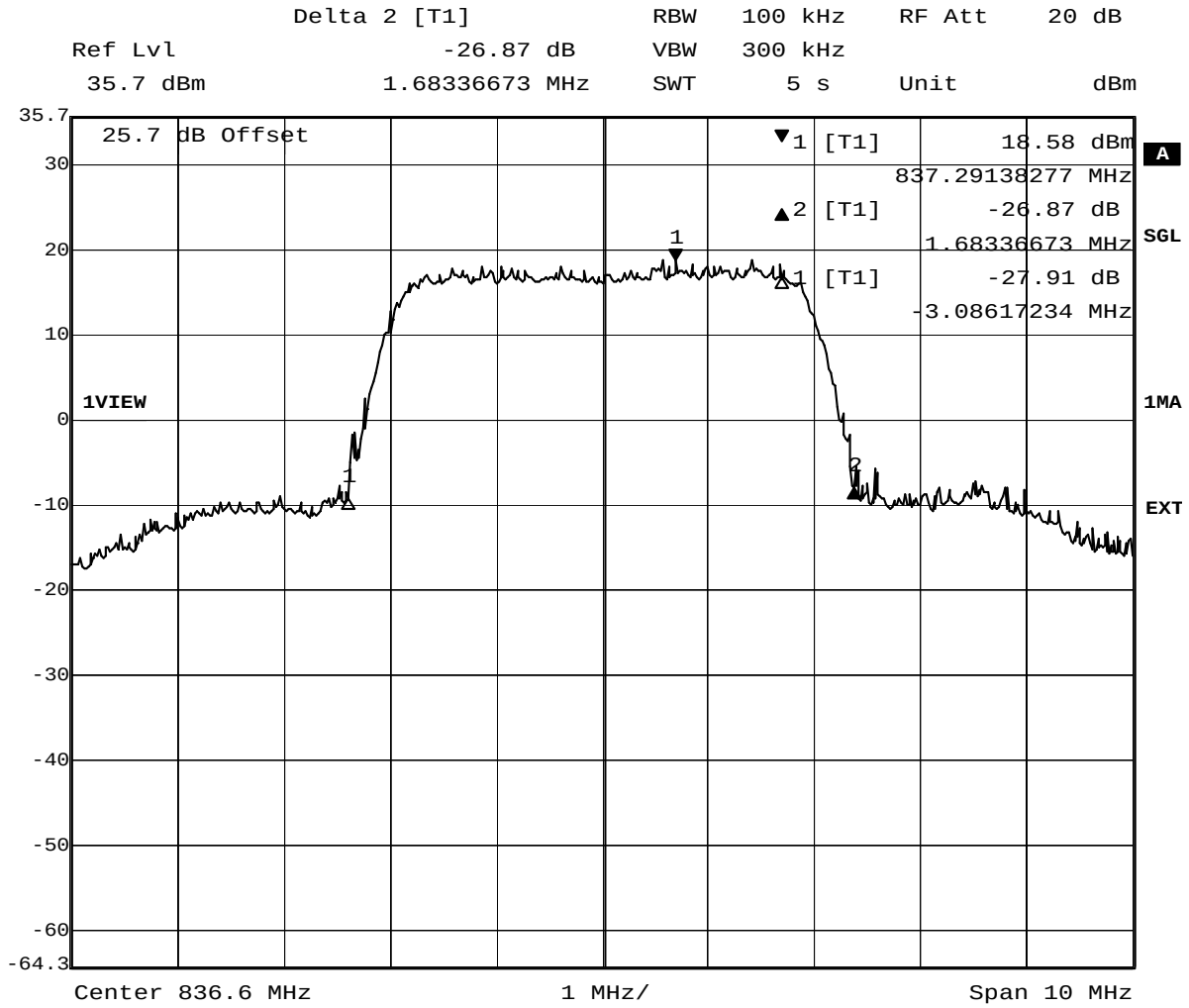
Test: 22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:48	FCC part 2 and 22

Test: 22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:47	FCC part 2 and 22

Detailed Results:



Date: 11.AUG.2016 16:48:26

Subtest_5

Test: 22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:48	FCC part 2 and 22

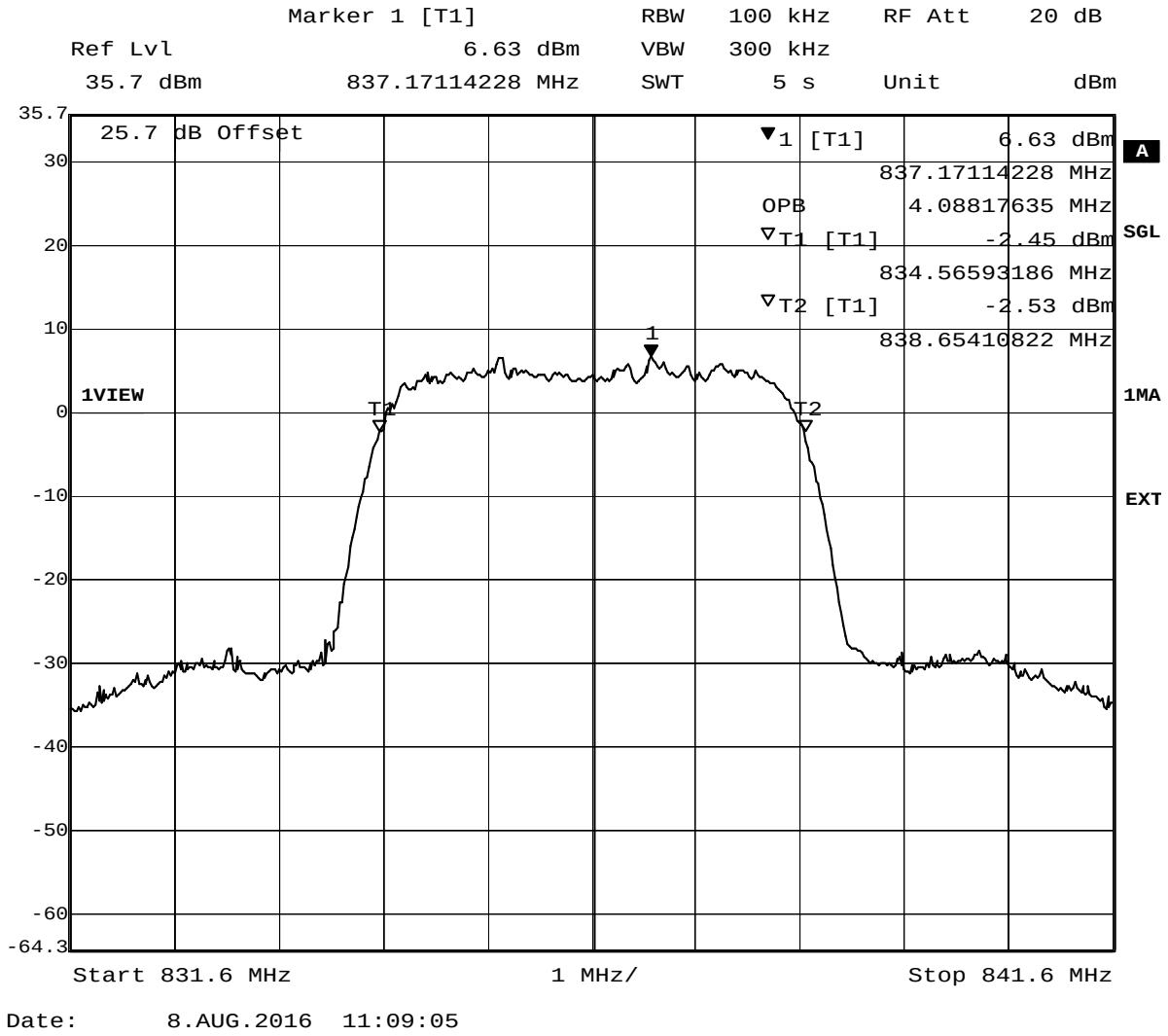
Test: 22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz

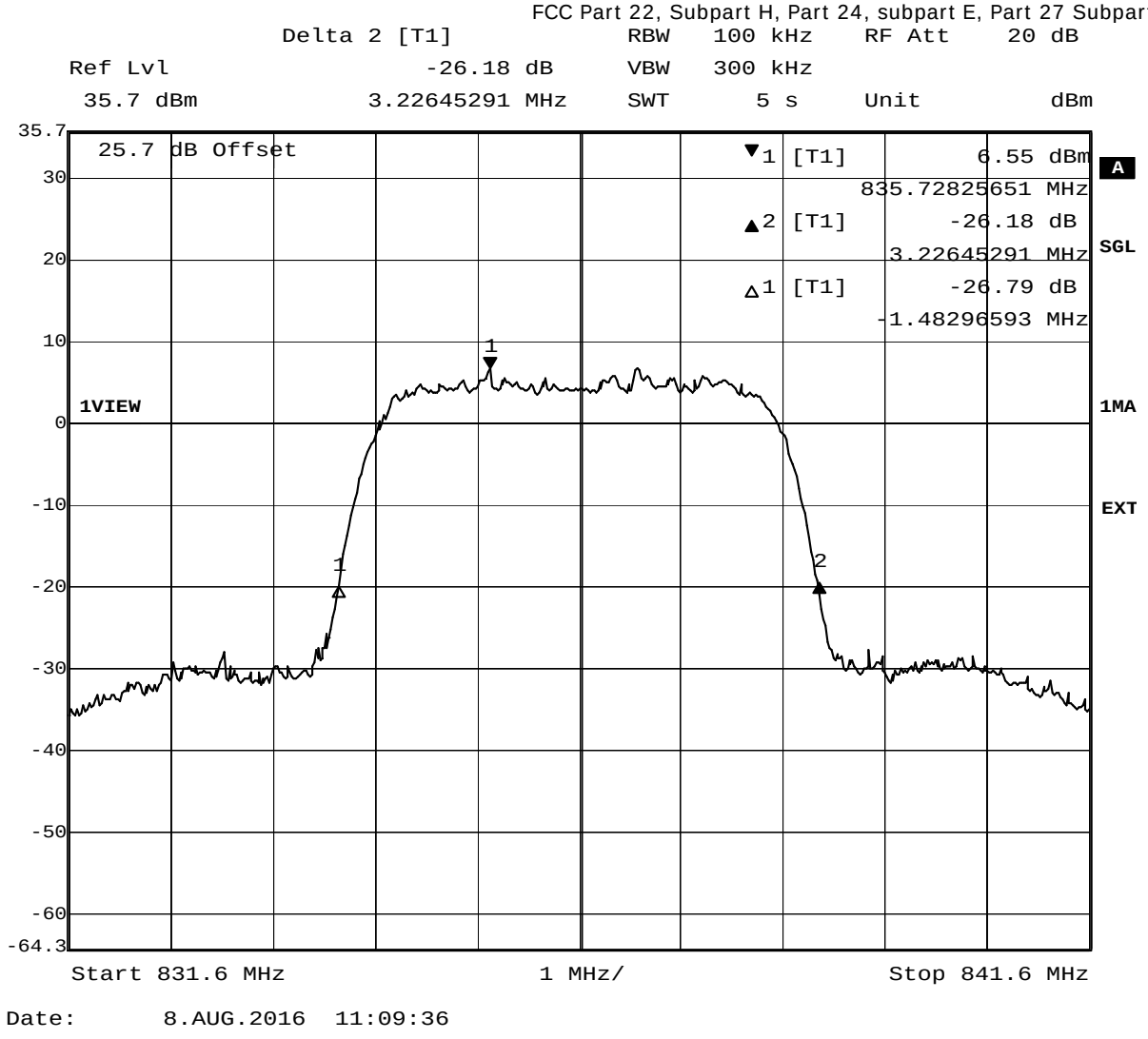
Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:29	FCC part 2 and 22

Test: 22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:28	FCC part 2 and 22

Detailed Results:





Test: 22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 14:29	FCC part 2 and 22

3.5.6 22.6 Band edge compliance §2.1053, §22.917

Test: 22.6; _Band edge compliance Summary §2.1053, §22.917

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/18 14:42	FCC part 2 and 22

Detailed Results:

Radio Technology	Channel	Nominal BW	Ressource Blocks	Peak [dBm]	Average [dBm]	RMS [dBm]	Limit /dBm	Margin to Limit /dB
FDD V	low	5	-	**-19.3**	**-28.74**	**-27.8**	**-13**	**14.82**
FDD V	high	5	-	-18.98	-28.74	-28.04	-13	15.04
FDD V HSDPA Subtest 1	low	5	-	**-16.4**	**-26.61**	**-25.4**	**-13**	**12.38**
FDD V HSDPA Subtest 1	high	5	-	-18.1	-27.61	-27	-13	14
FDD V HSUPA Subtest 1	low	5	-	-14.63	-24.9	-24.02	-13	11.02
FDD V HSUPA Subtest 1	high	5	-	**-14.2**	**-23.88**	**-23**	**-13**	**9.96**
FDD V HSUPA Subtest 5	low	5	-	-15.74	-25.38	-24.45	-13	11.45
FDD V HSUPA Subtest 5	high	5	-	-15.24	-25.55	-24.3	-13	11.3
eFDD 5 QPSK	low	1.4	6	**-15.5**	**-28.43**	**-26.9**	**-13**	**13.88**
eFDD 5 QPSK	high	1.4	6	-19.4	-29.04	-27.65	-13	14.65
eFDD 5 16QAM	low	1.4	6	**-16.7**	**-29.76**	**-27.8**	**-13**	**14.82**
eFDD 5 16QAM	high	1.4	6	-19.12	-29.76	-28.27	-13	15.27
eFDD 5 QPSK	low	3	15	-15.5	-30.62	-27.82	-13	14.82
eFDD 5 QPSK	high	3	15	-16.87	-31.24	-29.24	-13	16.24
eFDD 5 16QAM	low	3	15	-16.83	-31.91	-29.24	-13	16.24
eFDD 5 16QAM	high	3	15	-19.28	-33.84	-31.24	-13	18.24
eFDD 5 QPSK	low	5	25	-13.11	-32.26	-28.74	-13	15.74
eFDD 5 QPSK	high	5	25	-14.78	-33.42	-30.32	-13	17.32
eFDD 5 16QAM	low	5	25	-16.97	-34.29	-30.92	-13	17.92
eFDD 5 16QAM	high	5	25	-17.61	-35.26	-31.91	-13	18.91
eFDD 5 QPSK	low	10	50	-13.69	-33.42	-29.76	-13	16.76
eFDD 5 QPSK	high	10	50	-15.68	-35.78	-32.26	-13	19.26
eFDD 5 16QAM	low	10	50	-15.89	-35.26	-31.57	-13	18.57
eFDD 5 16QAM	high	10	50	-16.97	-37.59	-34.29	-13	21.29

Test: 22.6; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:23	FCC part 2 and 22

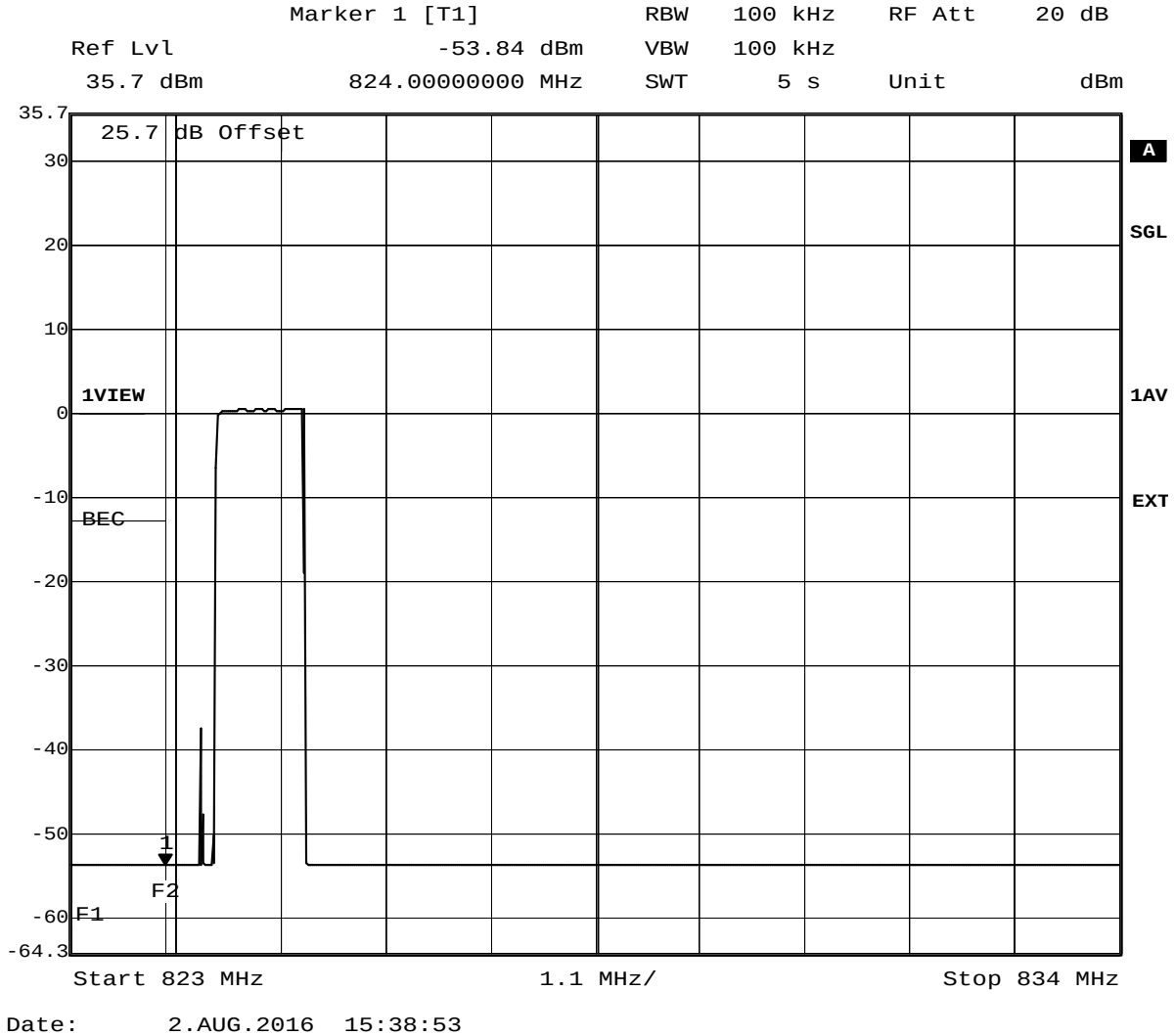
Test: 22.6; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:24	FCC part 2 and 22

Test: 22.6; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:22	FCC part 2 and 22

Detailed Results:



Test: 22.6; Frequency Band = eFDD5, Mode = 16QAM 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:29	FCC part 2 and 22

Test: 22.6; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:25	FCC part 2 and 22

Test: 22.6; Frequency Band = eFDD5, Mode = 16QAM 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:26	FCC part 2 and 22

Test: 22.6; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:30	FCC part 2 and 22

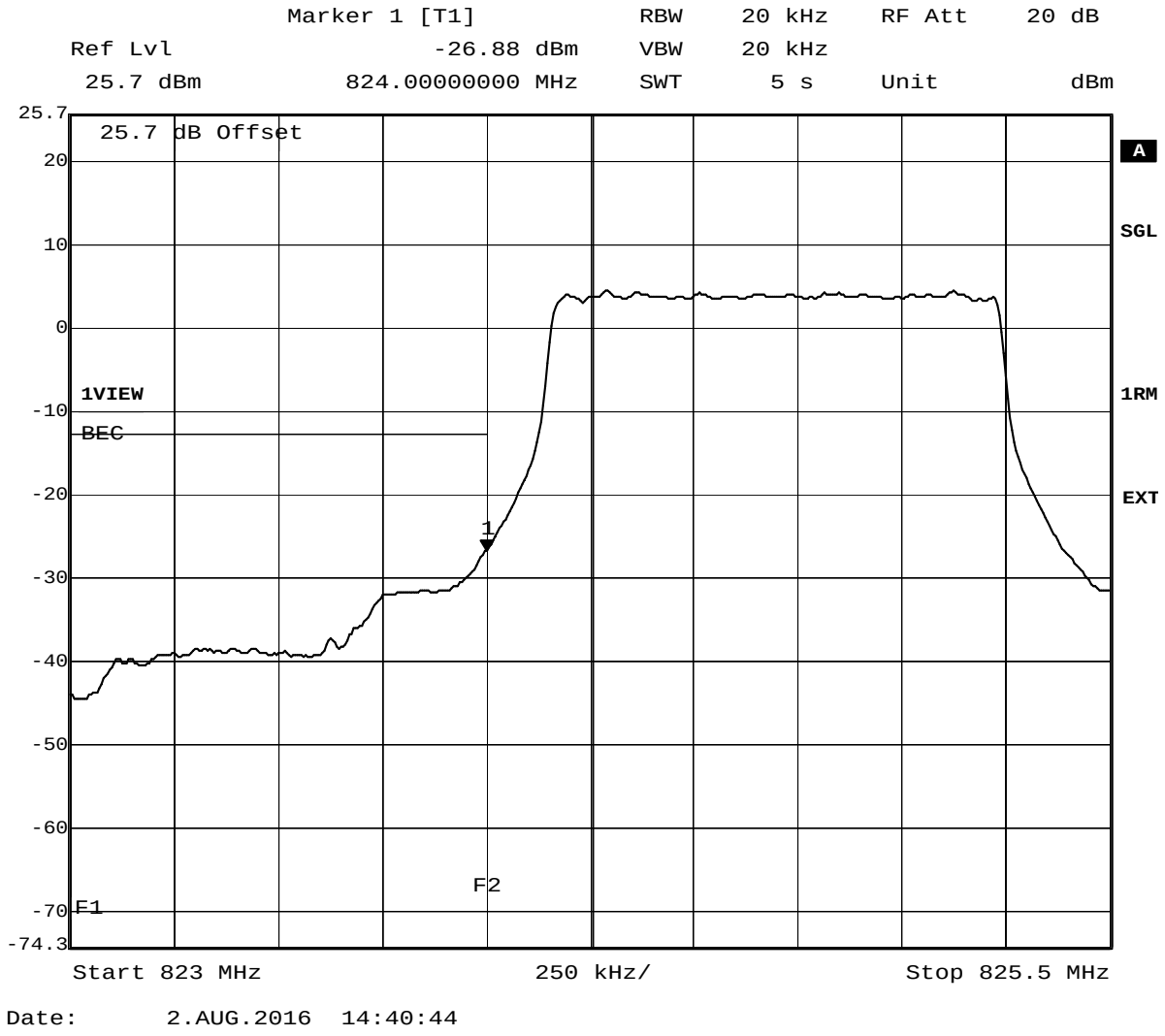
Test: 22.6; Frequency Band = eFDD5, Mode = 16QAM 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:31	FCC part 2 and 22

Test: 22.6; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:21	FCC part 2 and 22

Detailed Results:



Test: 22.6; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:24	FCC part 2 and 22

Test: 22.6; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20450, Frequency = 829MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:31	FCC part 2 and 22

Test: 22.6; Frequency Band = eFDD5, Mode = QPSK 10MHz, Channel = 20600, Frequency = 844MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:30	FCC part 2 and 22

Test: 22.6; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20415, Frequency = 825.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:24	FCC part 2 and 22

Test: 22.6; Frequency Band = eFDD5, Mode = QPSK 3MHz, Channel = 20635, Frequency = 847.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:26	FCC part 2 and 22

Test: 22.6; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20425, Frequency = 826.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:28	FCC part 2 and 22

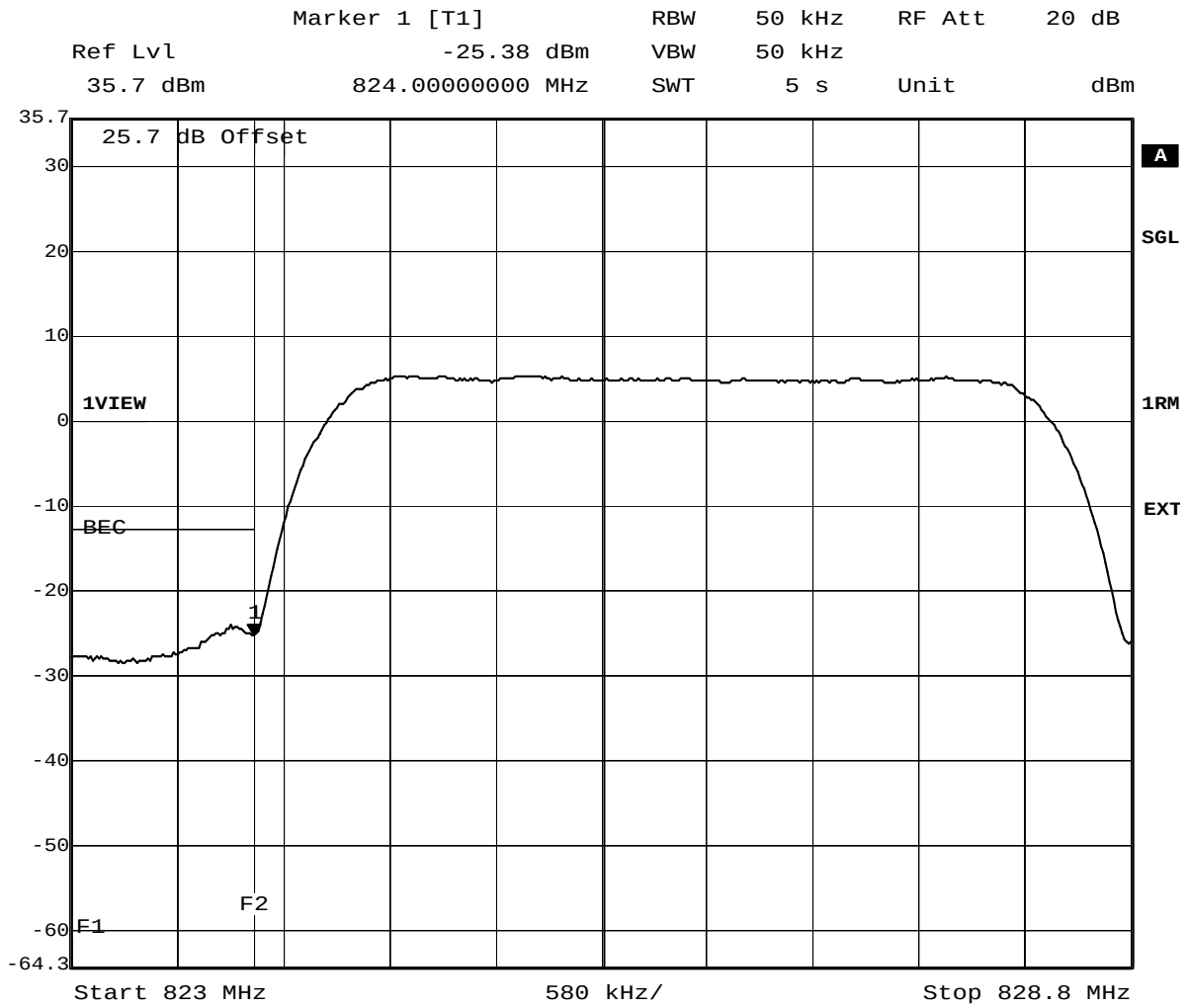
Test: 22.6; Frequency Band = eFDD5, Mode = QPSK 5MHz, Channel = 20625, Frequency = 846.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:30	FCC part 2 and 22

Test: 22.6; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:17	FCC part 2 and 22

Detailed Results:



Test: 22.6; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:18	FCC part 2 and 22

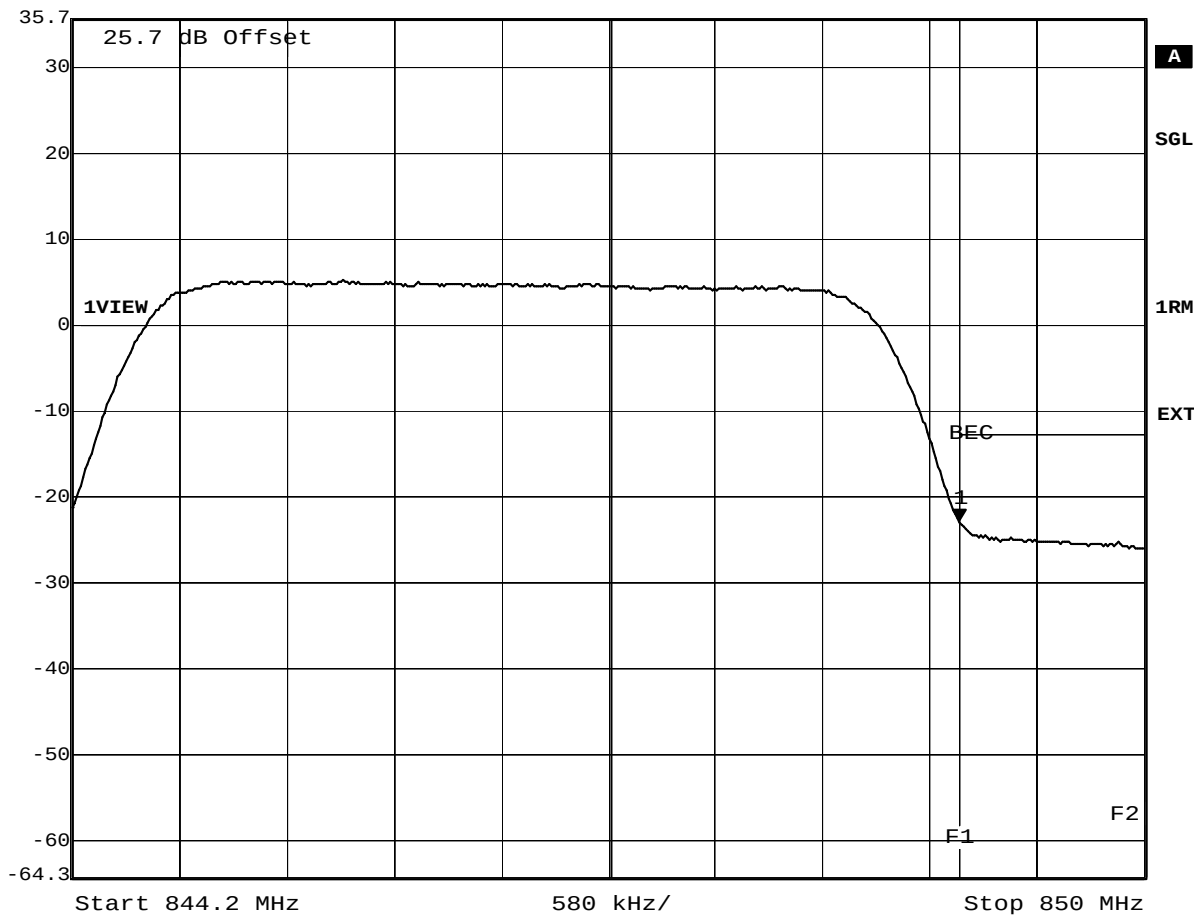
Test: 22.6; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:19	FCC part 2 and 22

Test: 22.6; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:19	FCC part 2 and 22

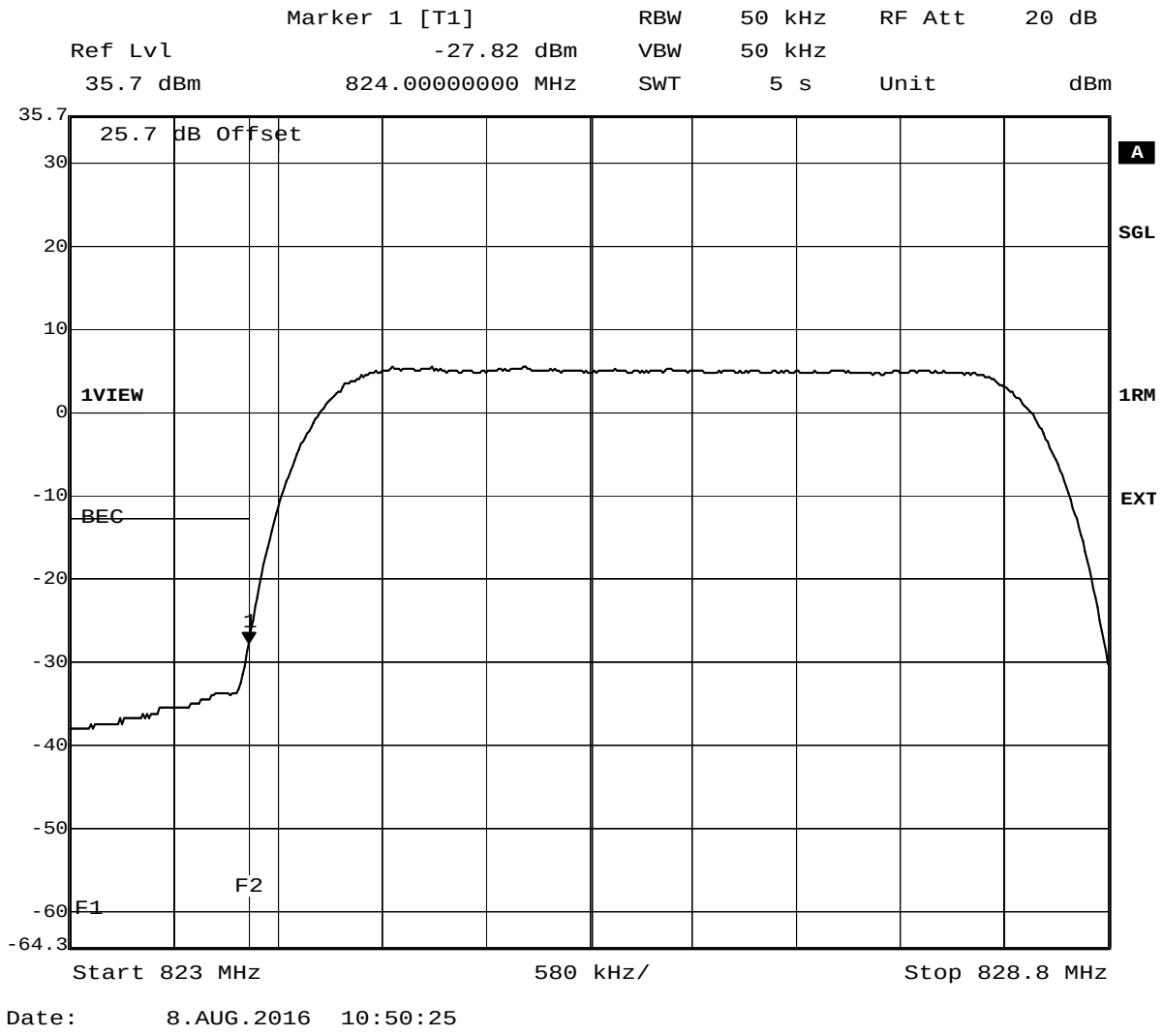
Detailed Results:



Test: 22.6; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:12	FCC part 2 and 22

Detailed Results:



Test: 22.6; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:13	FCC part 2 and 22

3.5.7 22.7 Peak-to-Average ratio §2.1046

Test: 22.7; _Peak-to-Average Ratio Summary §2.1046

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/18 14:33	FCC part 2

Detailed Results:

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	Peak to Average Ratio	Limit (IC) (dB)
FDD V	low	-	5	5.77	13
FDD V	mid	-	5	5.51	13
FDD V	high	-	5	5.7	13
FDD V HSDPA Subtest 1	low	-	5	5.34	13
FDD V HSDPA Subtest 1	mid	-	5	5	13
FDD V HSDPA Subtest 1	high	-	5	5.36	13
FDD V HSUPA Subtest 1	low	-	5	6.07	13
FDD V HSUPA Subtest 1	mid	-	5	5.93	13
FDD V HSUPA Subtest 1	high	-	5	6.05	13
FDD V HSUPA Subtest 5	low	-	5	5.76	13
FDD V HSUPA Subtest 5	mid	-	5	6.45	13
FDD V HSUPA Subtest 5	high	-	5	5.99	13
eFDD 5 QPSK	low	6	1.4	6.03	13
eFDD 5 QPSK	mid	6	1.4	5.62	13
eFDD 5 QPSK	high	6	1.4	6.09	13
eFDD 5 16QAM	low	6	1.4	6.46	13
eFDD 5 16QAM	mid	6	1.4	6.81	13
eFDD 5 16QAM	high	6	1.4	6.67	13

Test: 22.7; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:34	FCC part 2

Test: 22.7; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:36	FCC part 2

Test: 22.7; Frequency Band = eFDD5, Mode = 16QAM 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:36	FCC part 2

Test: 22.7; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20407, Frequency = 824.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:34	FCC part 2

Test: 22.7; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20525, Frequency = 836.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:35	FCC part 2

Test: 22.7; Frequency Band = eFDD5, Mode = QPSK 1.4MHz, Channel = 20643, Frequency = 848.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:35	FCC part 2

3.5.8 24.1 RF Power Output §2.1046, §24.232

Test: 24.1; RF Power Output Summary §2.1046, §24.232

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:50	FCC part 2 and 24

Detailed Results:

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	Peak Conducted Power (dBm)	Average Conducted Power (dBm)	RMS Conducted Power (dBm)	FCC / IC EIRP Limit (W)	Maximum Antenna Gain (dBi)
FDD II	low	-	5	28.32	22.8	23.04	2	9.96
FDD II	mid	-	5	28.19	22.83	23.04	2	9.96
FDD II	high	-	5	28.56	22.69	22.93	2	10.07
FDD II HSDPA Subtest 1	low	-	5	28.69	23.26	23.96	2	9.04
FDD II HSDPA Subtest 1	mid	-	5	28.56	23.54	23.86	2	9.14
FDD II HSDPA Subtest 1	high	-	5	29.33	23.38	23.67	2	9.33
FDD II HSDPA Subtest 2	low	-	5	28.94	23.56	24.16	2	8.84
FDD II HSDPA Subtest 2	mid	-	5	29.59	23.58	24.16	2	8.84
FDD II HSDPA Subtest 2	high	-	5	29.44	23.4	23.82	2	9.18
FDD II HSDPA Subtest 3	low	-	5	28.94	23.56	24.49	2	8.51
FDD II HSDPA Subtest 3	mid	-	5	30.17	23.32	24.12	2	8.88
FDD II HSDPA Subtest 3	high	-	5	30.03	23.32	24.07	2	8.93
FDD II HSDPA Subtest 4	low	-	5	29.08	23.38	24.1	2	8.9
FDD II HSDPA Subtest 4	mid	-	5	29.33	23.34	24.16	2	8.84
FDD II HSDPA Subtest 4	high	-	5	29.44	23.02	23.93	2	9.07
FDD II HSUPA Subtest 1	low	-	5	28.43	22.15	22.61	2	10.39
FDD II HSUPA Subtest 1	mid	-	5	29.08	22.31	22.75	2	10.25
FDD II HSUPA Subtest 1	high	-	5	28.43	21.98	22.42	2	10.58
FDD II HSUPA Subtest 2	low	-	5	28.05	21.03	22.06	2	10.94
FDD II HSUPA Subtest 2	mid	-	5	30.03	22.17	22.83	2	10.17
FDD II HSUPA Subtest 2	high	-	5	29.81	21.57	22.68	2	10.32
FDD II HSUPA Subtest 3	low	-	5	28.69	22.11	22.39	2	10.61
FDD II HSUPA Subtest 3	mid	-	5	28.82	22.02	22.58	2	10.42
FDD II HSUPA Subtest 3	high	-	5	29.44	22.68	23.29	2	9.71
FDD II HSUPA Subtest 4	low	-	5	27.52	20.46	21.35	2	11.65
FDD II HSUPA Subtest 4	mid	-	5	26.23	18.37	21.43	2	11.57
FDD II HSUPA Subtest 4	high	-	5	29.08	21.31	22.33	2	10.67
FDD II HSUPA Subtest 5	low	-	5	28.94	23.01	23.38	2	9.62
FDD II HSUPA Subtest 5	mid	-	5	26.23	18.37	21.43	2	11.57
FDD II HSUPA Subtest 5	high	-	5	29.44	22.95	23.26	2	9.74

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	Peak Conducted Power (dBm)	Average Conducted Power (dBm)	RMS Conducted Power (dBm)	FCC / IC EIRP Limit (W)	Maximum Antenna Gain (dBi)
eFDD 2 QPSK	low	1	1.4	-	-	20.92	2	12.08
eFDD 2 QPSK	low	3	1.4	-	-	20.71	2	12.29
eFDD 2 QPSK	low	6	1.4	-	-	19.63	2	13.37
eFDD 2 QPSK	mid	1	1.4	-	-	21.26	2	11.74
eFDD 2 QPSK	mid	3	1.4	-	-	20.86	2	12.14
eFDD 2 QPSK	mid	6	1.4	-	-	19.83	2	13.17
eFDD 2 QPSK	high	1	1.4	-	-	20.77	2	12.23
eFDD 2 QPSK	high	3	1.4	-	-	20.65	2	12.35
eFDD 2 QPSK	high	6	1.4	-	-	19.55	2	13.45
eFDD 2 16QAM	low	1	1.4	-	-	20.41	2	12.59
eFDD 2 16QAM	low	6	1.4	-	-	19.09	2	13.91
eFDD 2 16QAM	mid	1	1.4	-	-	20.47	2	12.53
eFDD 2 16QAM	mid	6	1.4	-	-	19.33	2	13.67
eFDD 2 16QAM	high	1	1.4	-	-	20.38	2	12.62
eFDD 2 16QAM	high	6	1.4	-	-	19.03	2	13.97
eFDD 2 QPSK	low	1	3	-	-	21.32	2	11.68
eFDD 2 QPSK	low	15	3	-	-	20.05	2	12.95
eFDD 2 QPSK	mid	1	3	-	-	21.45	2	11.55
eFDD 2 QPSK	mid	15	3	-	-	20.16	2	12.84
eFDD 2 QPSK	high	1	3	-	-	21.29	2	11.71
eFDD 2 QPSK	high	15	3	-	-	19.94	2	13.06
eFDD 2 16QAM	low	1	3	-	-	20.59	2	12.41
eFDD 2 16QAM	low	15	3	-	-	18.42	2	14.58
eFDD 2 16QAM	mid	1	3	-	-	20.86	2	12.14
eFDD 2 16QAM	mid	15	3	-	-	18.57	2	14.43
eFDD 2 16QAM	high	1	3	-	-	20.58	2	12.42
eFDD 2 16QAM	high	15	3	-	-	18.31	2	14.69
eFDD 2 QPSK	low	1	5	-	-	21.34	2	11.66
eFDD 2 QPSK	low	12	5	-	-	19.97	2	13.03
eFDD 2 QPSK	low	25	5	-	-	20.09	2	12.91
eFDD 2 QPSK	mid	1	5	-	-	21.46	2	11.54
eFDD 2 QPSK	mid	12	5	-	-	20.17	2	12.83
eFDD 2 QPSK	mid	25	5	-	-	20.14	2	12.86
eFDD 2 QPSK	high	1	5	-	-	21.29	2	11.71
eFDD 2 QPSK	high	12	5	-	-	19.94	2	13.06
eFDD 2 QPSK	high	25	5	-	-	19.89	2	13.11
eFDD 2 16QAM	low	1	5	-	-	20.68	2	12.32
eFDD 2 16QAM	low	25	5	-	-	18.35	2	14.65
eFDD 2 16QAM	mid	1	5	-	-	20.9	2	12.1
eFDD 2 16QAM	mid	25	5	-	-	18.5	2	14.5
eFDD 2 16QAM	high	1	5	-	-	20.78	2	12.22
eFDD 2 16QAM	high	25	5	-	-	18.33	2	14.67

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	Peak Conducted Power (dBm)	Average Conducted Power (dBm)	RMS Conducted Power (dBm)	FCC / IC EIRP Limit (W)	Maximum Antenna Gain (dBi)
eFDD 2 QPSK	low	1	10	-	-	21.5	2	11.5
eFDD 2 QPSK	low	50	10	-	-	20.44	2	12.56
eFDD 2 QPSK	mid	1	10	-	-	21.7	2	11.3
eFDD 2 QPSK	mid	50	10	-	-	20.56	2	12.44
eFDD 2 QPSK	high	1	10	-	-	21.5	2	11.5
eFDD 2 QPSK	high	50	10	-	-	20.44	2	12.56
eFDD 2 16QAM	low	1	10	-	-	20.77	2	12.23
eFDD 2 16QAM	low	50	10	-	-	18.55	2	14.45
eFDD 2 16QAM	mid	1	10	-	-	20.98	2	12.02
eFDD 2 16QAM	mid	50	10	-	-	18.41	2	14.59
eFDD 2 16QAM	high	1	10	-	-	20.98	2	12.02
eFDD 2 16QAM	high	50	10	-	-	18.5	2	14.5
eFDD 2 QPSK	low	1	15	-	-	21.6	2	11.4
eFDD 2 QPSK	low	36	15	-	-	20.84	2	12.16
eFDD 2 QPSK	low	75	15	-	-	20.75	2	12.25
eFDD 2 QPSK	mid	1	15	-	-	21.77	2	11.23
eFDD 2 QPSK	mid	36	15	-	-	20.93	2	12.07
eFDD 2 QPSK	mid	75	15	-	-	20.8	2	12.2
eFDD 2 QPSK	high	1	15	-	-	21.66	2	11.34
eFDD 2 QPSK	high	36	15	-	-	20.83	2	12.17
eFDD 2 QPSK	high	75	15	-	-	20.71	2	12.29
eFDD 2 16QAM	low	1	15	-	-	21.13	2	11.87
eFDD 2 16QAM	low	75	15	-	-	19.09	2	13.91
eFDD 2 16QAM	mid	1	15	-	-	21.18	2	11.82
eFDD 2 16QAM	mid	75	15	-	-	19.22	2	13.78
eFDD 2 16QAM	high	1	15	-	-	21	2	12
eFDD 2 16QAM	high	75	15	-	-	19.05	2	13.95
eFDD 2 QPSK	low	1	20	-	-	21.44	2	11.56
eFDD 2 QPSK	low	100	20	-	-	20.65	2	12.35
eFDD 2 QPSK	mid	1	20	-	-	21.57	2	11.43
eFDD 2 QPSK	mid	100	20	-	-	20.74	2	12.26
eFDD 2 QPSK	high	1	20	-	-	21.47	2	11.53
eFDD 2 QPSK	high	100	20	-	-	20.61	2	12.39
eFDD 2 16QAM	low	1	20	-	-	20.82	2	12.18
eFDD 2 16QAM	low	100	20	-	-	19.05	2	13.95
eFDD 2 16QAM	mid	1	20	-	-	20.98	2	12.02
eFDD 2 16QAM	mid	100	20	-	-	19.15	2	13.85
eFDD 2 16QAM	high	1	20	-	-	20.73	2	12.27
eFDD 2 16QAM	high	100	20	-	-	19.05	2	13.95

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:39	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:13	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:38	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:34	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:21	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:34	FCC part 2 and 24

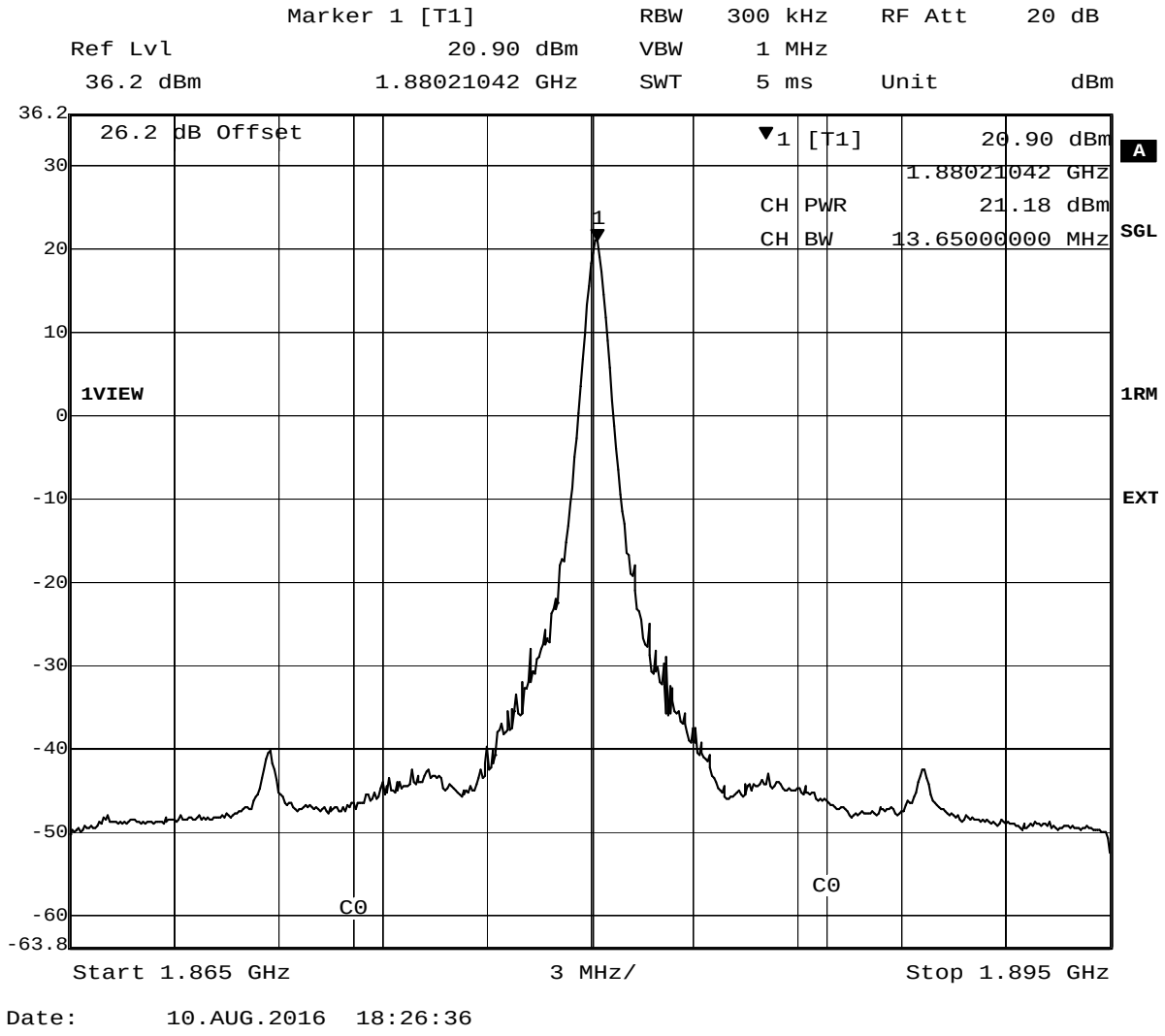
Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:33	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:25	FCC part 2 and 24

Detailed Results:



Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:32	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:31	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:29	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:30	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:30	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:16	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:37	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:36	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:19	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:35	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:10	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:38	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:35	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:20	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:34	FCC part 2 and 24

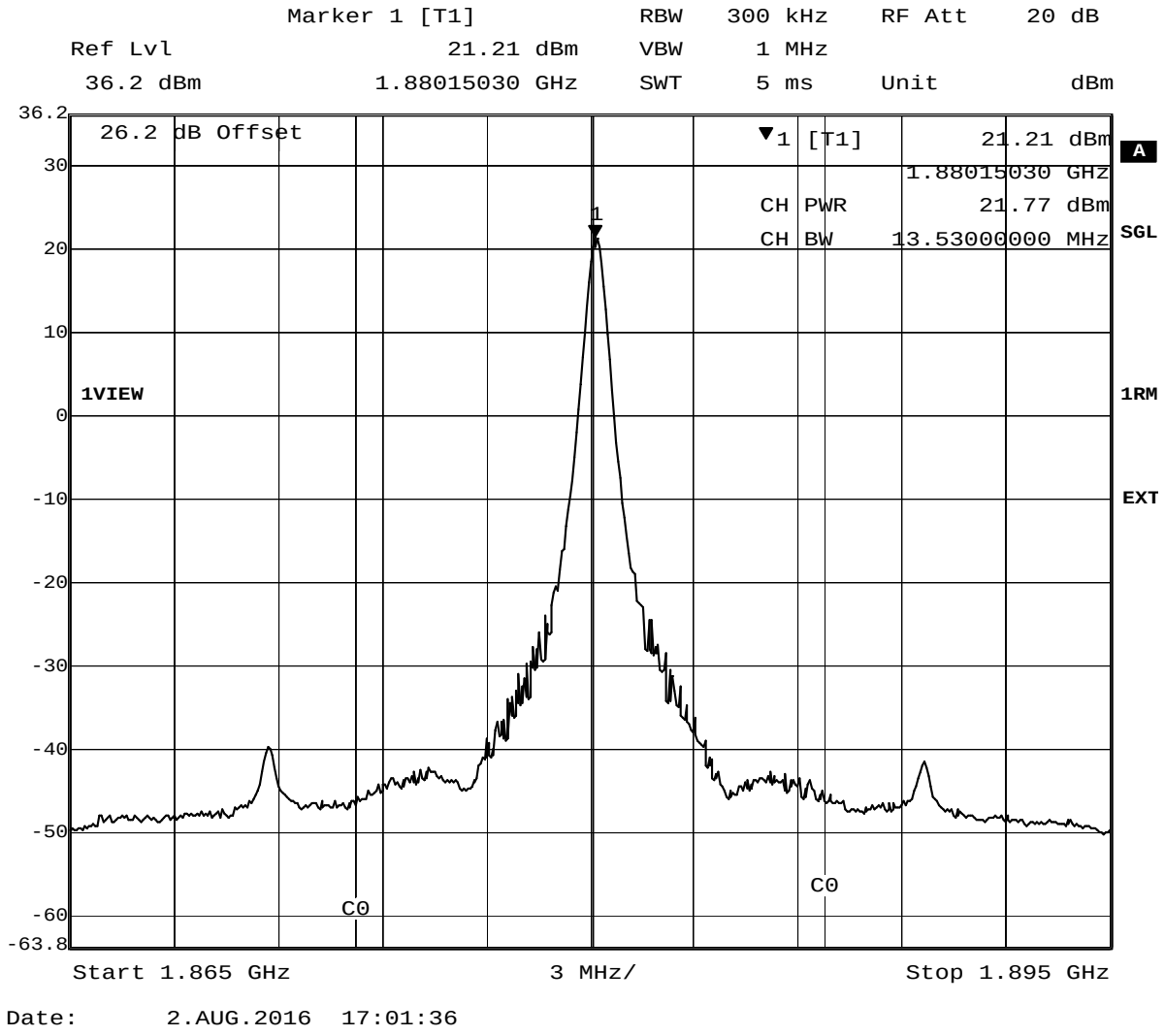
Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:33	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:23	FCC part 2 and 24

Detailed Results:



Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:32	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:32	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:31	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:27	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:38	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:15	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:37	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:36	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:18	FCC part 2 and 24

Test: 24.1; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:35	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_1, Channel = 9262, Frequency = 1852.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:49	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_1, Channel = 9400, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:57	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_1, Channel = 9538, Frequency = 1907.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:57	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_2, Channel = 9262, Frequency = 1852.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:51	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_2, Channel = 9400, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:56	FCC part 2 and 24

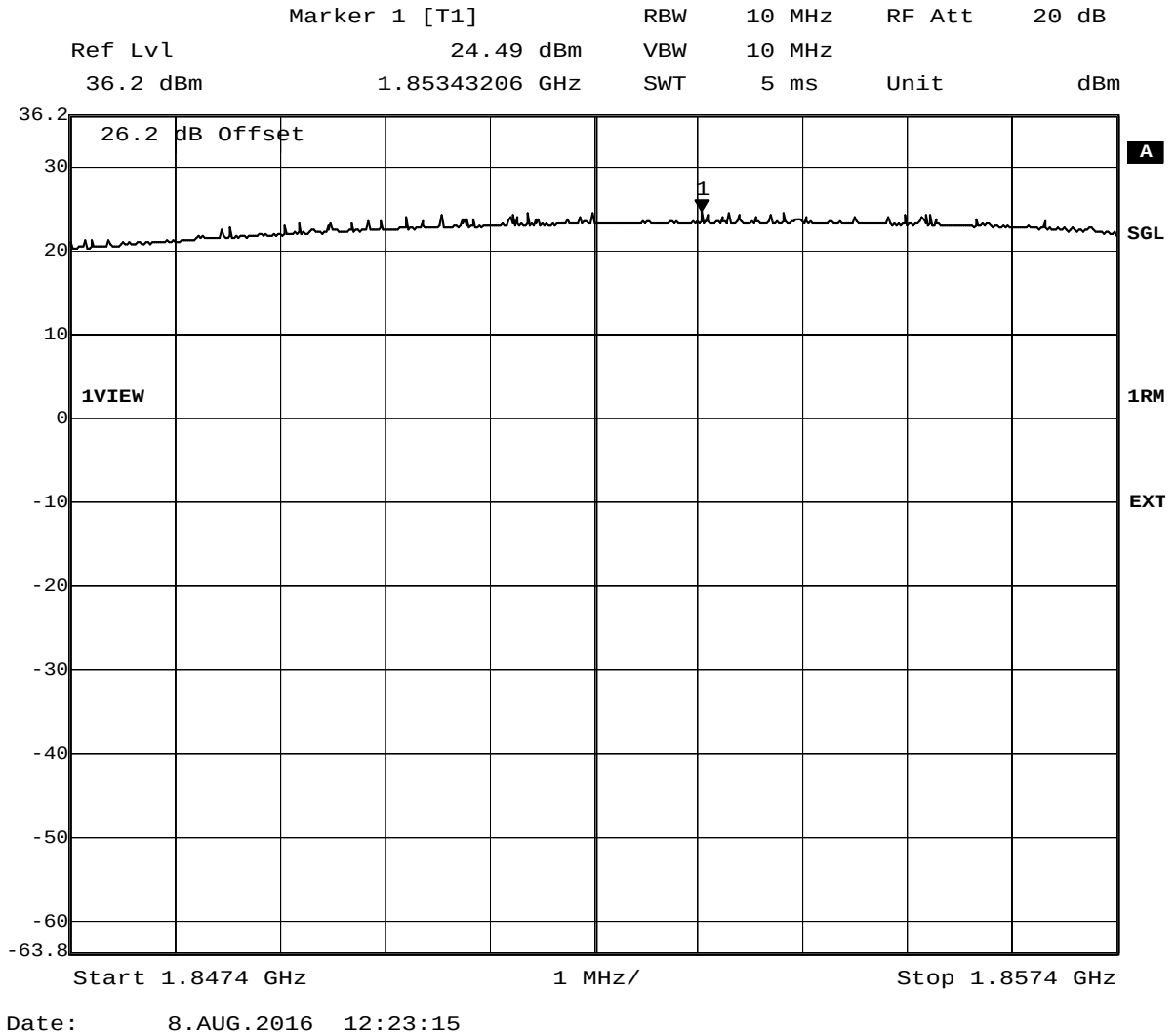
Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_2, Channel = 9538, Frequency = 1907.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:56	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_3, Channel = 9262, Frequency = 1852.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:52	FCC part 2 and 24

Detailed Results:



Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_3, Channel = 9400, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:55	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_3, Channel = 9538, Frequency = 1907.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:55	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_4, Channel = 9262, Frequency = 1852.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:54	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_4, Channel = 9400, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:53	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSDPA_subtest_4, Channel = 9538, Frequency = 1907.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:54	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_1, Channel = 9262, Frequency = 1852.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:59	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_1, Channel = 9400, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:58	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_1, Channel = 9538, Frequency = 1907.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:59	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_2, Channel = 9262, Frequency = 1852.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:02	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_2, Channel = 9400, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:00	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_2, Channel = 9538, Frequency = 1907.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:01	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_3, Channel = 9262, Frequency = 1852.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:03	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_3, Channel = 9400, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:04	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_3, Channel = 9538, Frequency = 1907.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:03	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_4, Channel = 9262, Frequency = 1852.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:05	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_4, Channel = 9400, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:06	FCC part 2 and 24

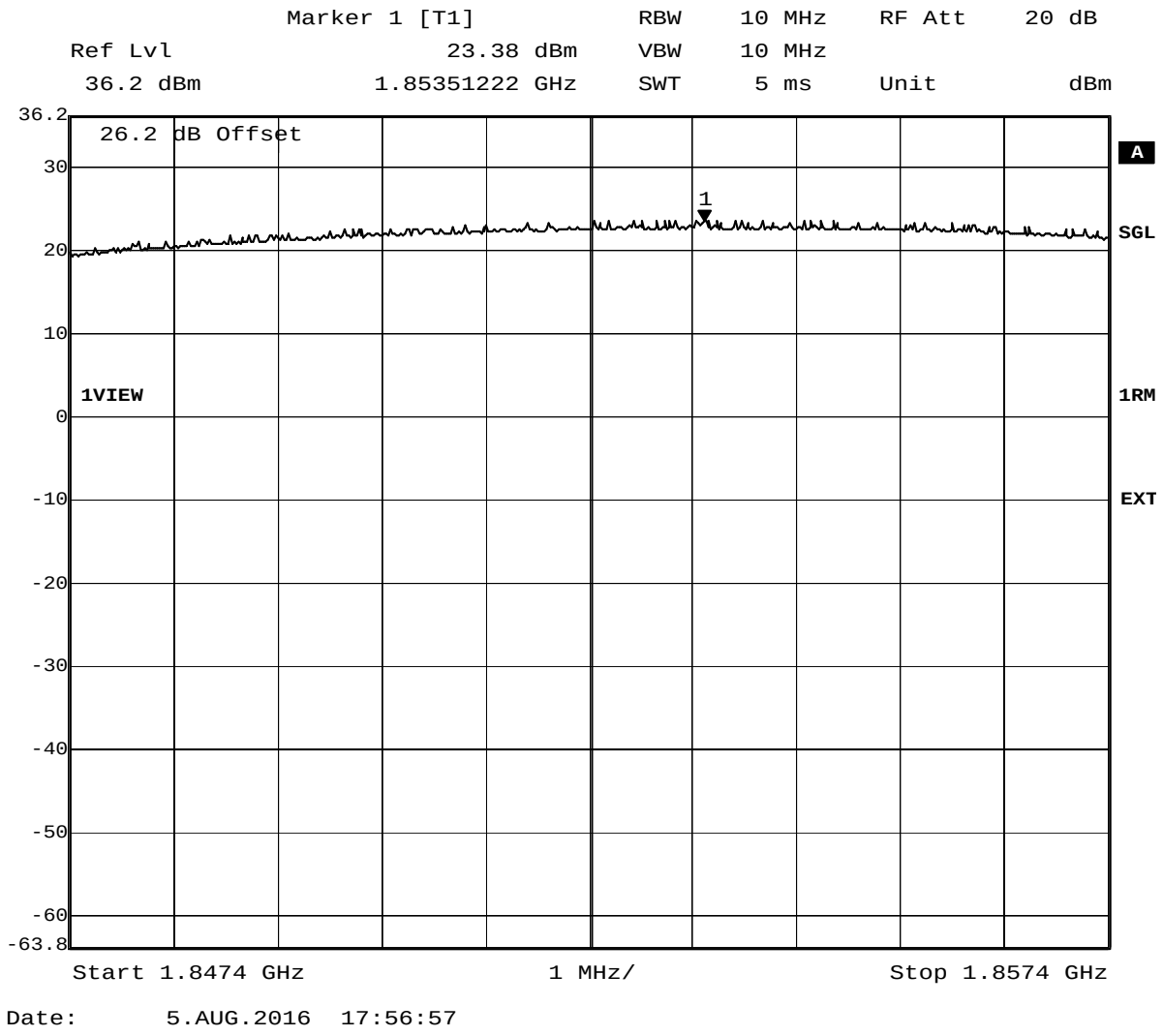
Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_4, Channel = 9538, Frequency = 1907.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:04	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_5, Channel = 9262, Frequency = 1852.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:06	FCC part 2 and 24

Detailed Results:



Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_5, Channel = 9400, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:08	FCC part 2 and 24

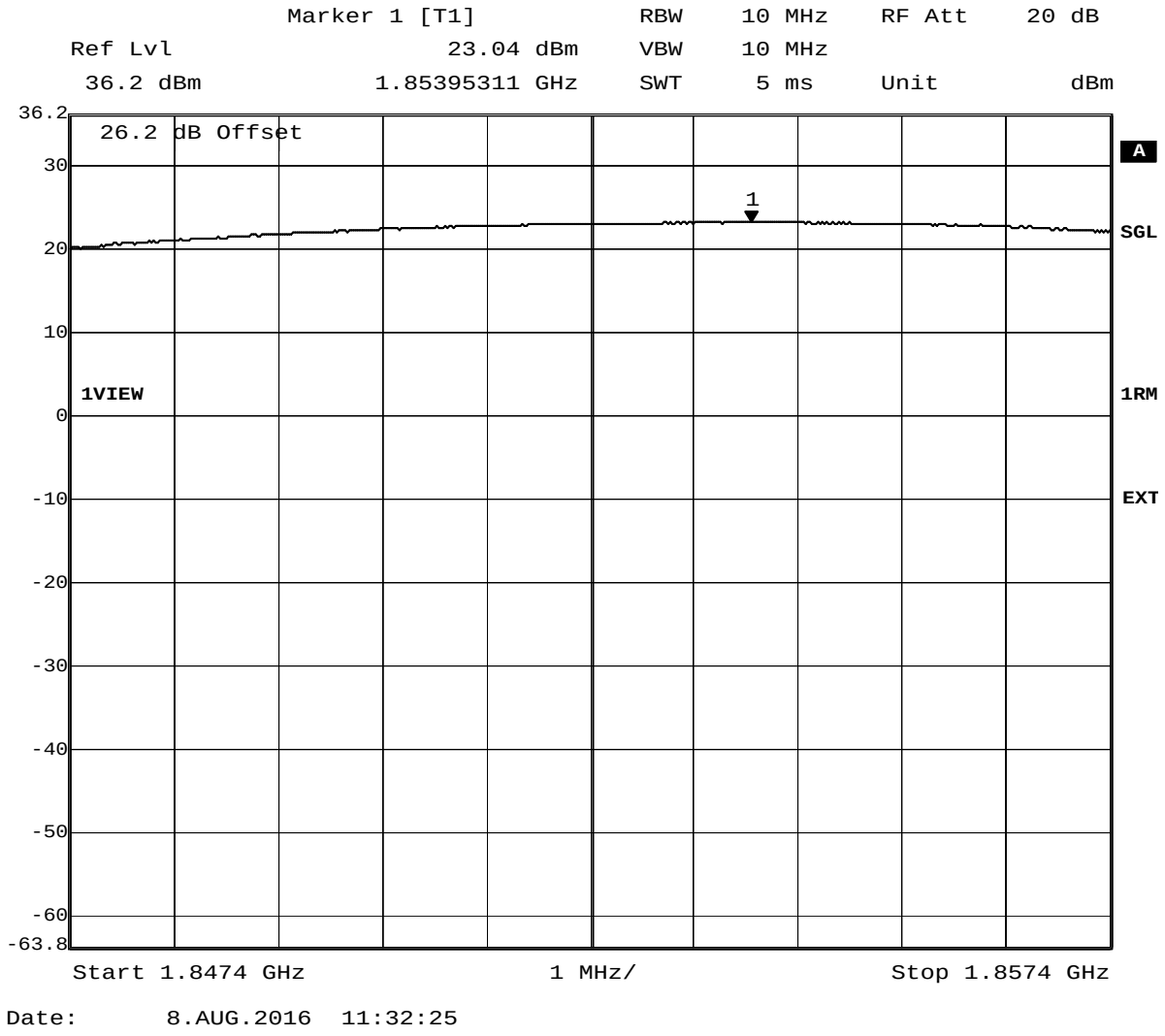
Test: 24.1; Frequency Band = FDD2, Mode = HSUPA_subtest_5, Channel = 9538, Frequency = 1907.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:07	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9262, Frequency = 1852.4MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:39	FCC part 2 and 24

Detailed Results:



Test: 24.1; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9400, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:47	FCC part 2 and 24

Test: 24.1; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9538, Frequency = 1907.6MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/10 15:47	FCC part 2 and 24

3.5.9 24.2 Frequency stability §2.1055, §24.235

Test: 24.2; Frequency stability Summary §2.1055, 24.235

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:52	FCC part 2 and 24

Detailed Results:

Radio Technology	Voltage	Temp (°C)	Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (Hz)
	100%	-30	1880	17	0.01	4700
	100%	-20	1880	11	0.01	4700
	100%	-10	1880	12	0.01	4700
	100%	0	1880	-13	-0.01	4700
	100%	10	1880	-14	-0.01	4700
FDD II	100%	20	1880	-16	-0.01	4700
	100%	30	1880	-14	-0.01	4700
	100%	40	1880	10	0.01	4700
	100%	50	1880	11	0.01	4700
	85%	20	1880	-16	-0.01	4700
	115%	20	1880	12	0.01	4700

Radio Technology	Voltage	Temp (°C)	Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (Hz)
	100%	-30	1880	-113	-0.06	4700
	100%	-20	1880	-60	-0.03	4700
	100%	-10	1880	59	0.03	4700
	100%	0	1880	-109	-0.06	4700
	100%	10	1880	70	0.04	4700
FDD II HSDPA	100%	20	1880	45	0.02	4700
Subtest 1	100%	30	1880	89	0.05	4700
	100%	40	1880	90	0.05	4700
	100%	50	1880	-72	-0.04	4700
	85%	20	1880	-47	-0.03	4700
	115%	20	1880	35	0.02	4700

Radio Technology	Voltage	Temp (°C)	Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (Hz)
	100%	-30	1880	32	0.02	4700
	100%	-20	1880	44	0.02	4700
	100%	-10	1880	65	0.03	4700
	100%	0	1880	39	0.02	4700
	100%	10	1880	42	0.02	4700
FDD II HSUPA	100%	20	1880	59	0.03	4700
Subtest 1	100%	30	1880	28	0.01	4700
	100%	40	1880	-47	-0.03	4700
	100%	50	1880	39	0.02	4700
	85%	20	1880	37	0.02	4700
	115%	20	1880	59	0.03	4700

Radio Technology	Voltage	Temp (°C)	Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (Hz)
	100%	-30	1880	-13	-0.01	4700
	100%	-20	1880	11	0.01	4700
	100%	-10	1880	13	0.01	4700
	100%	0	1880	-13	-0.01	4700
	100%	10	1880	14	0.01	4700
eFDD 2 QPSK	100%	20	1880	12	0.01	4700
1.4 MHz, 1 RB	100%	30	1880	14	0.01	4700
	100%	40	1880	14	0.01	4700
	100%	50	1880	-13	-0.01	4700
	85%	20	1880	-10	-0.01	4700
	115%	20	1880	12	0.01	4700

Test: 24.2; Frequency Band = eFDD2, Mode = QPSK, Channel = 18900, Frequency = 1880MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 13:40	FCC part 2 and 24

Test: 24.2; Frequency Band = FDD2, Mode = HSDPA, Channel = 9400, Frequency = 1880MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 13:40	FCC part 2 and 24

Test: 24.2; Frequency Band = FDD2, Mode = HSUPA, Channel = 9400, Frequency = 1880MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 13:41	FCC part 2 and 24

Test: 24.2; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9400, Frequency = 1880MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 13:41	FCC part 2 and 24

3.5.10 24.3 Spurious emissions at antenna terminals §2.1051, §24.238

Test: 24.3; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:51	FCC part 2 and 24

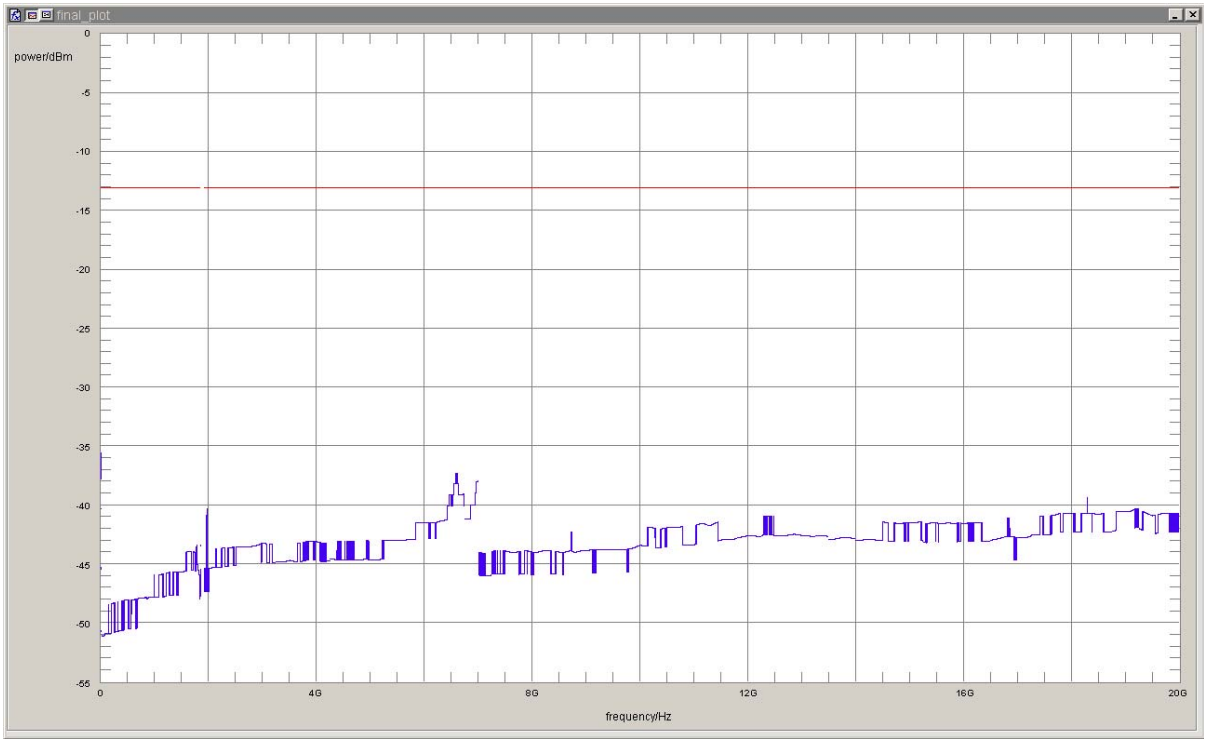
Test: 24.3; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:48	FCC part 2 and 24

Detailed Results:

detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	1	0.030	-35.50	22.50	-13	passed

no further values have been found with a margin of less than 20 dB



Test: 24.3; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:52	FCC part 2 and 24

Test: 24.3; Frequency Band = FDD2, Mode = HSDPA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:45	FCC part 2 and 24

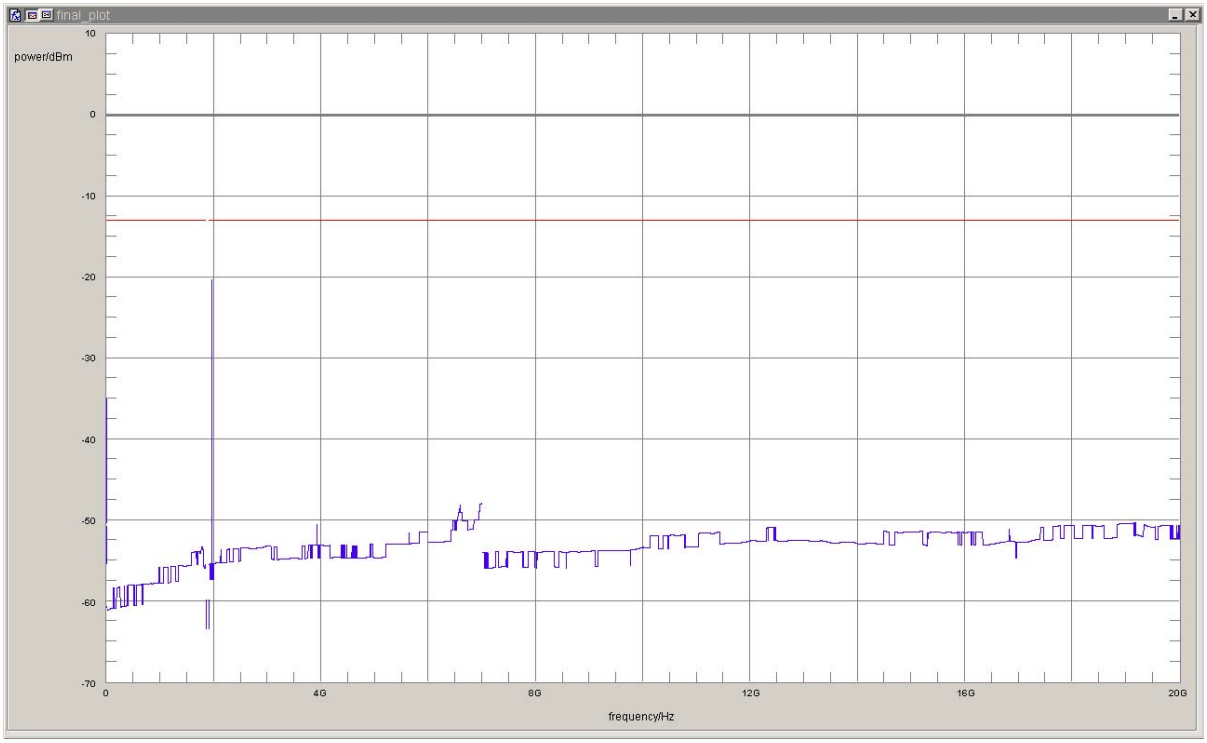
Test: 24.3; Frequency Band = FDD2, Mode = HSDPA, Channel = 9400, Frequency = 1880MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:46	FCC part 2 and 24

Detailed Results:

detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	1000	1961.1	-20.3	7.3	-13.0	passed

no further values have been found with a margin of less than 20 dB



Test: 24.3; Frequency Band = FDD2, Mode = HSDPA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:45	FCC part 2 and 24

Test: 24.3; Frequency Band = FDD2, Mode = HSUPA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:43	FCC part 2 and 24

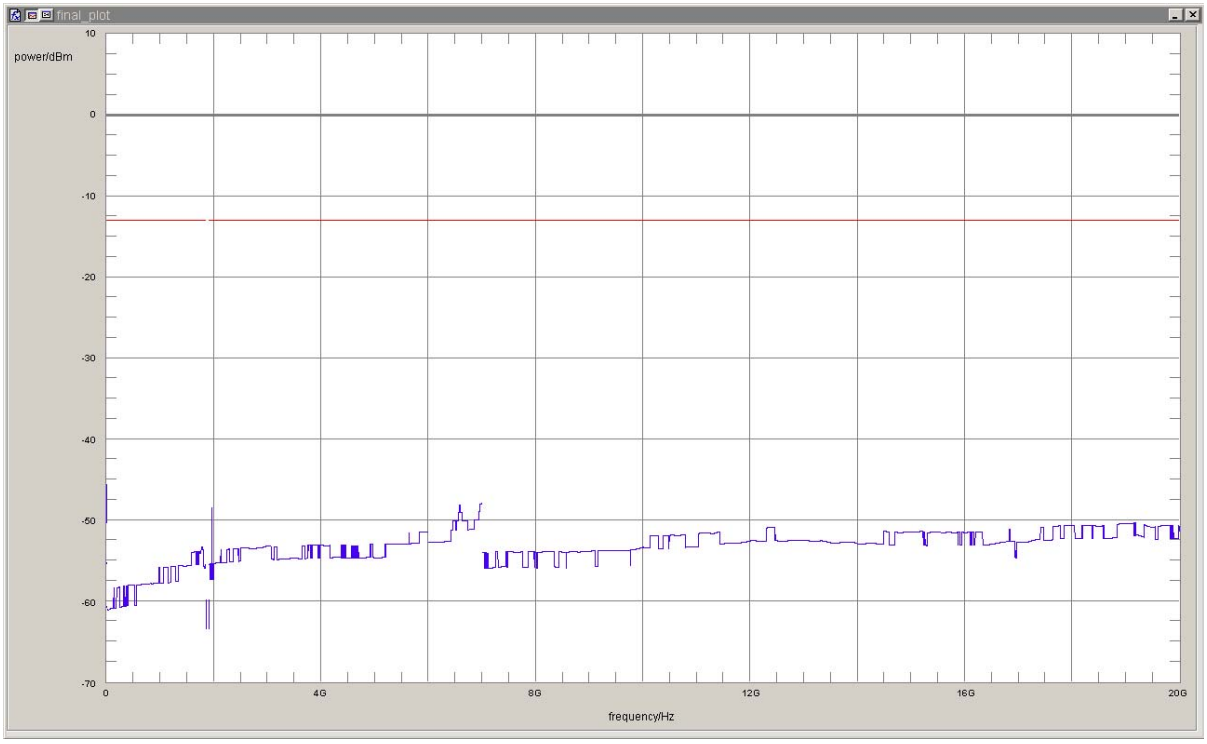
Test: 24.3; Frequency Band = FDD2, Mode = HSUPA, Channel = 9400, Frequency = 1880MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:44	FCC part 2 and 24

Detailed Results:

detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	1	0.030	-45.50	32.50	-13	passed

no further values have been found with a margin of less than 20 dB



Test: 24.3; Frequency Band = FDD2, Mode = HSUPA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:42	FCC part 2 and 24

Test: 24.3; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:41	FCC part 2 and 24

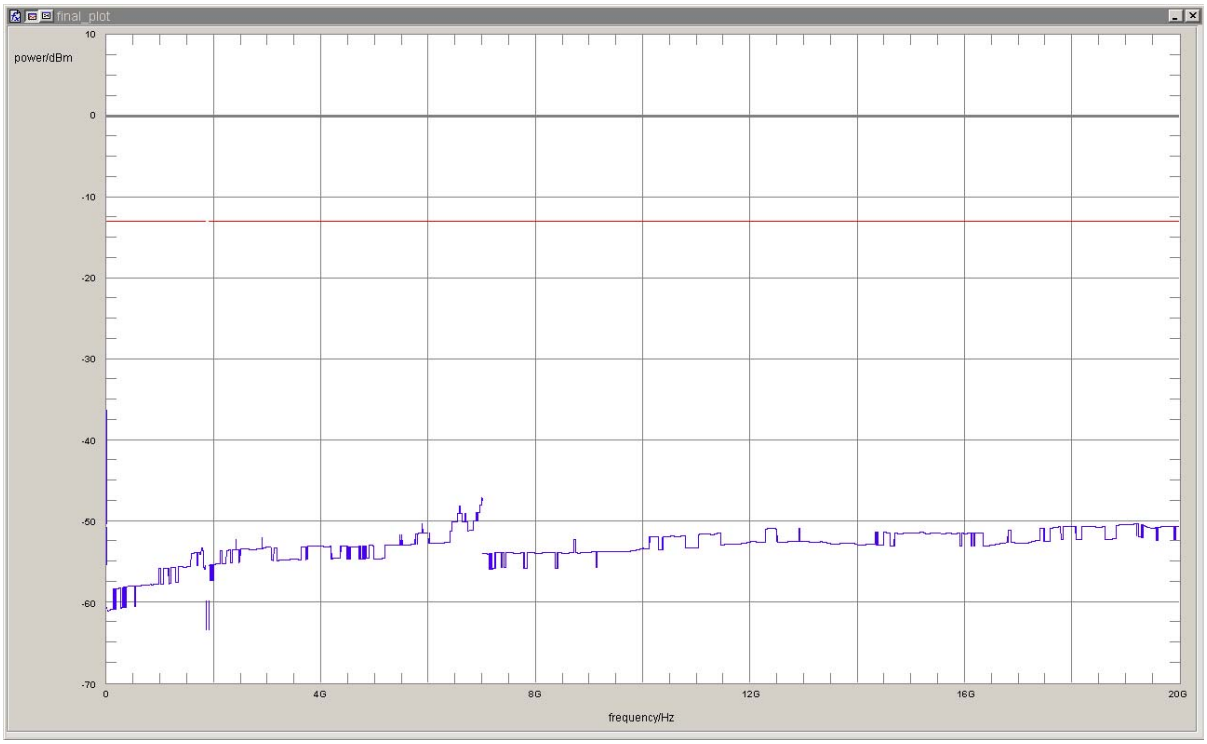
Test: 24.3; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9400, Frequency = 1880MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:41	FCC part 2 and 24

Detailed Results:

detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	3	0.034	-36.30	23.30	-13	passed

no further values have been found with a margin of less than 20 dB



Test: 24.3; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:39	FCC part 2 and 24

3.5.11 24.4 Field strength of spurious radiation §2.1053, §24.238

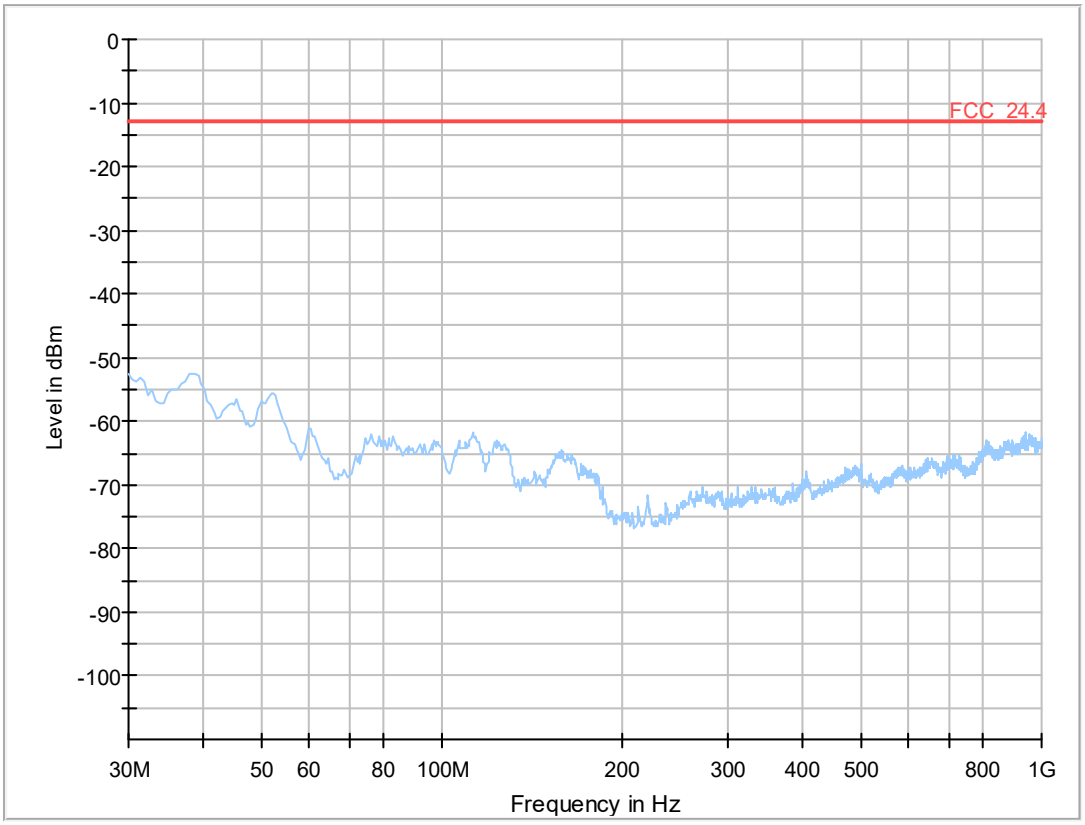
Test: 24.4; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 10:09	FCC part 2 and 24

Test: 24.4; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18900, Frequency = 1880MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 10:01	FCC part 2 and 24

Detailed Results:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

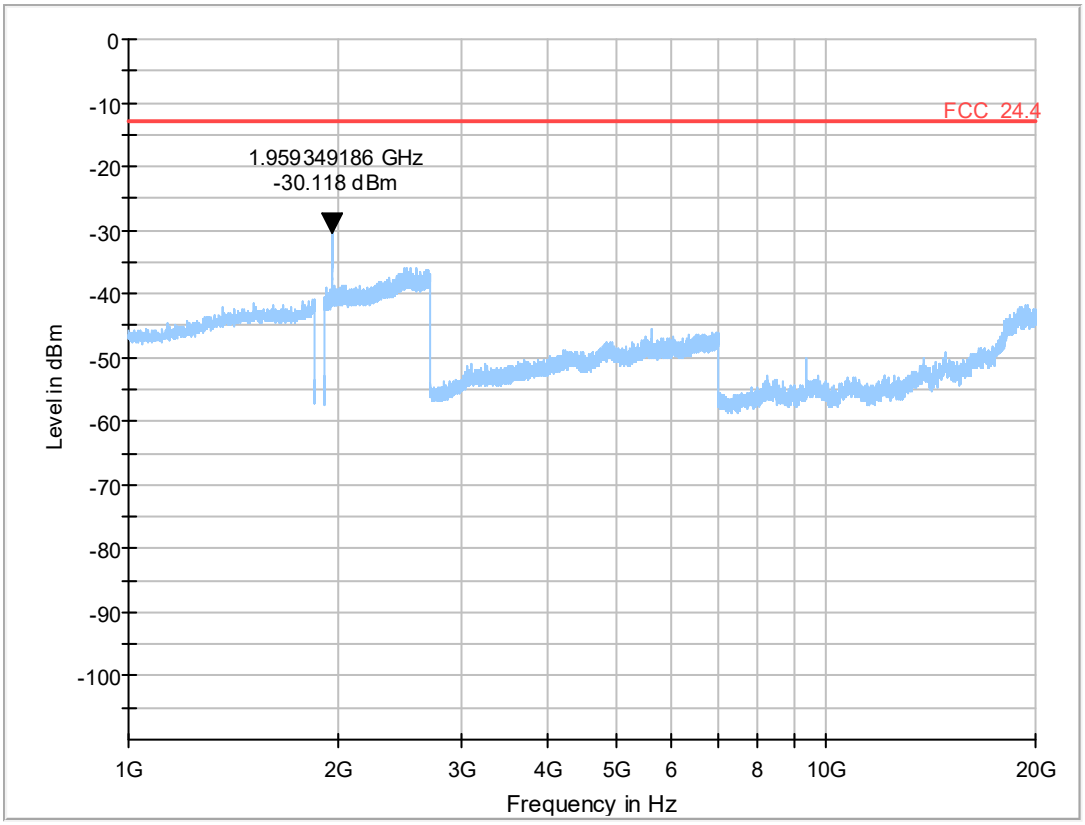
Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
---	---	---	---	---	---	---		---	---

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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Test: 24.4; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 10:10	FCC part 2 and 24

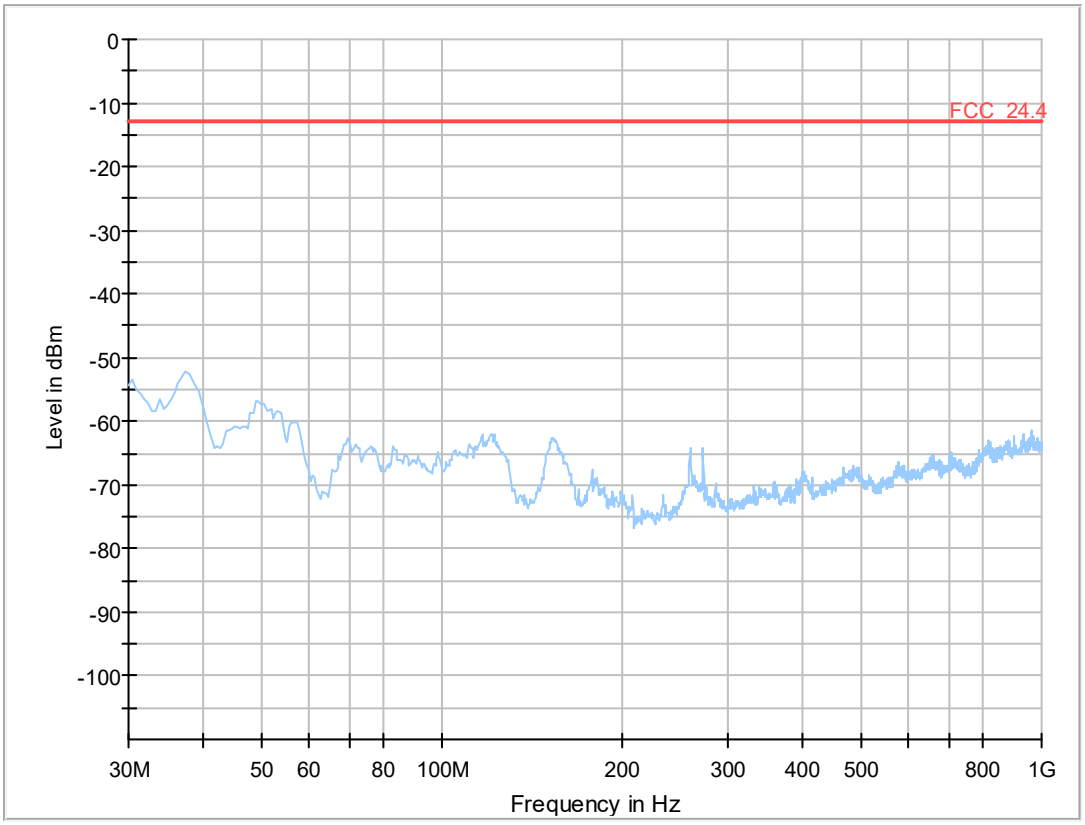
Test: 24.4; Frequency Band = FDD2, Mode = HSDPA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 9:00	FCC part 2 and 24

Test: 24.4; Frequency Band = FDD2, Mode = HSDPA, Channel = 9400, Frequency = 1880MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 9:02	FCC part 2 and 24

Detailed Results:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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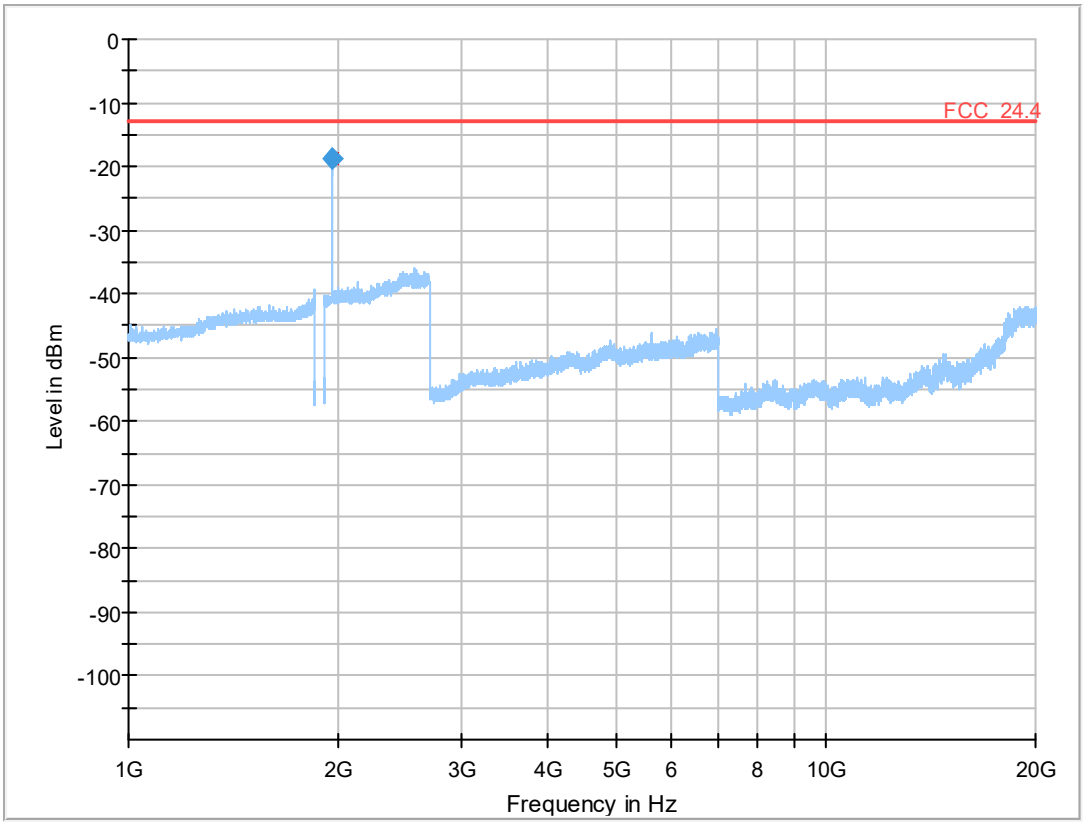
(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
1958.833125	-18.88	-13.00	5.88	1000.0	1000.000	150.0	V	0.0	90.0

(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
1958.833125	-62.7

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
1958.833125	-18.88	-13.00	5.88	1000.0	1000.000	150.0	V	0.0	90.0

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
1958.833125	-62.7

Test: 24.4; Frequency Band = FDD2, Mode = HSDPA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 8:57	FCC part 2 and 24

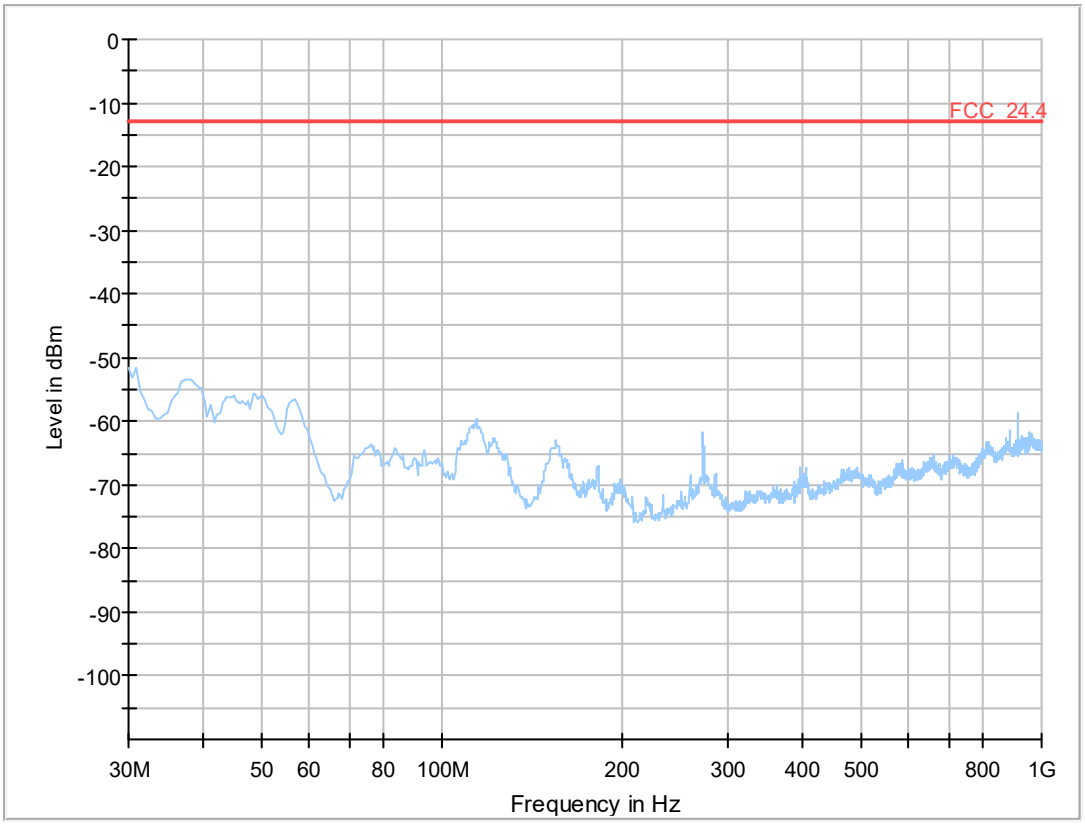
Test: 24.4; Frequency Band = FDD2, Mode = HSUPA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 9:07	FCC part 2 and 24

Test: 24.4; Frequency Band = FDD2, Mode = HSUPA, Channel = 9400, Frequency = 1880MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 9:08	FCC part 2 and 24

Detailed Results:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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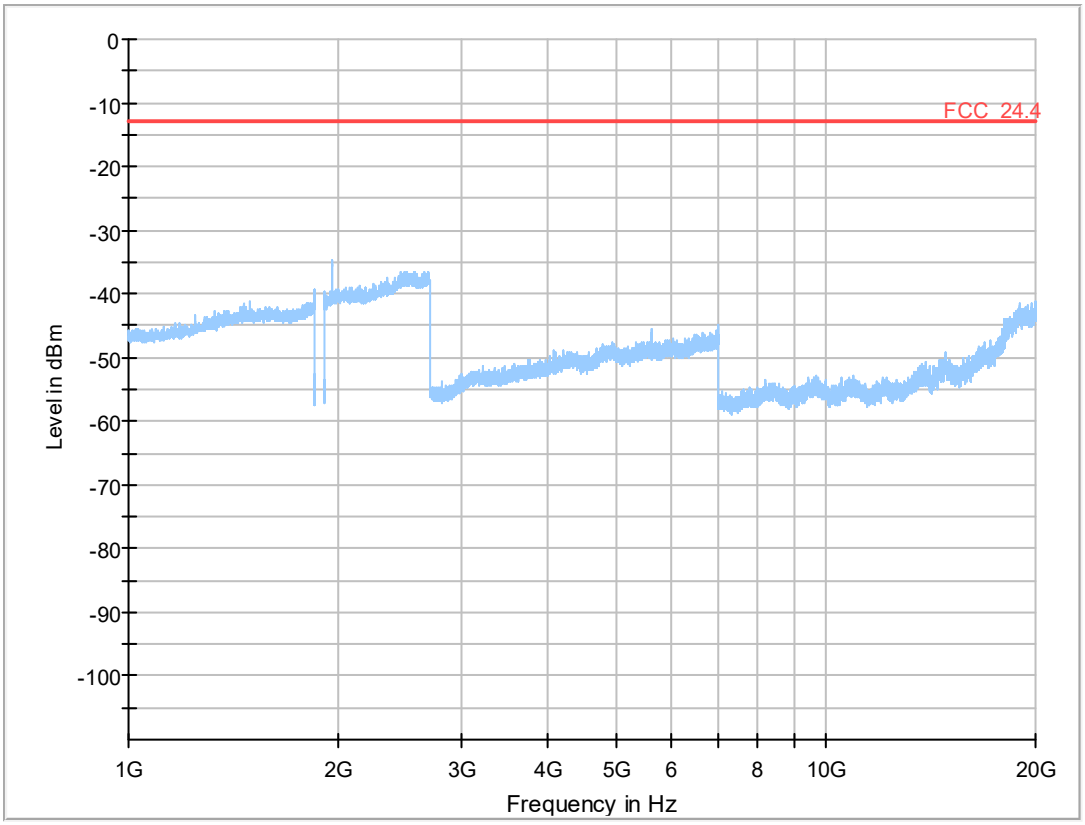

Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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Test: 24.4; Frequency Band = FDD2, Mode = HSUPA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 9:05	FCC part 2 and 24

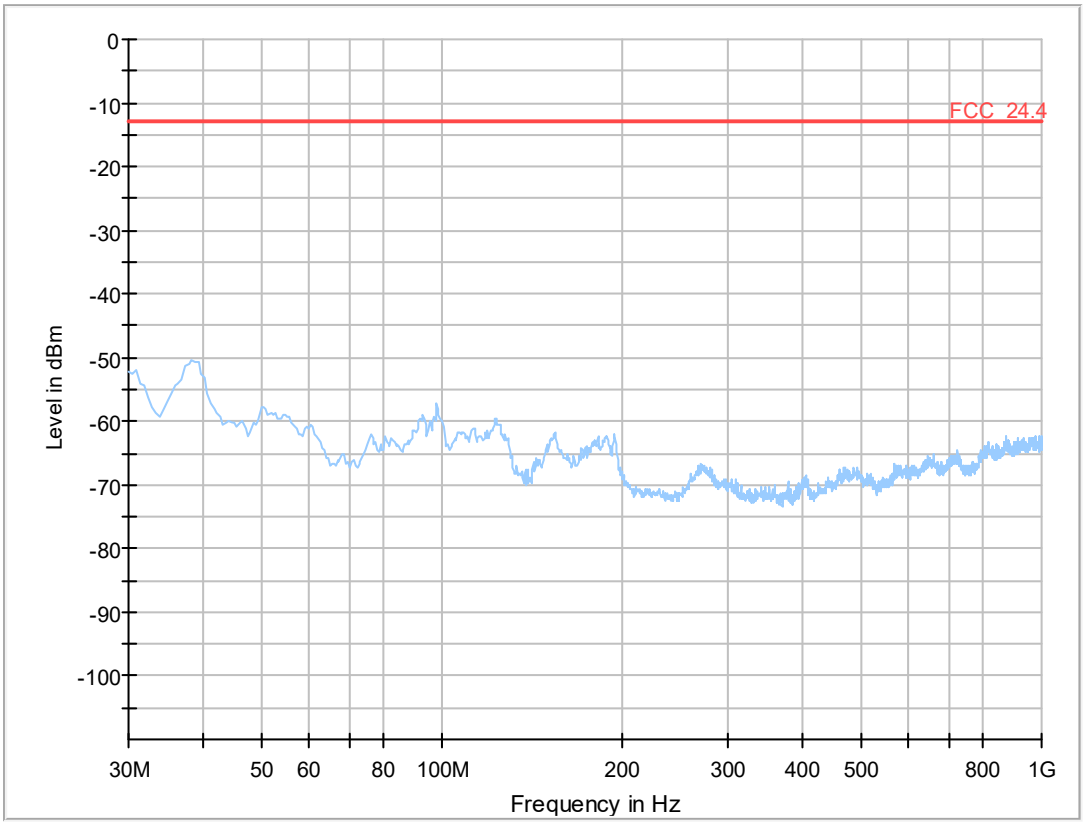
Test: 24.4; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 12:23	FCC part 2 and 24

Test: 24.4; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9400, Frequency = 1880MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 12:25	FCC part 2 and 24

Detailed Results:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
---	---	---	---	---	---	---		---	---

(continuation of the "Critical_Freqs" table from column 16 ...)

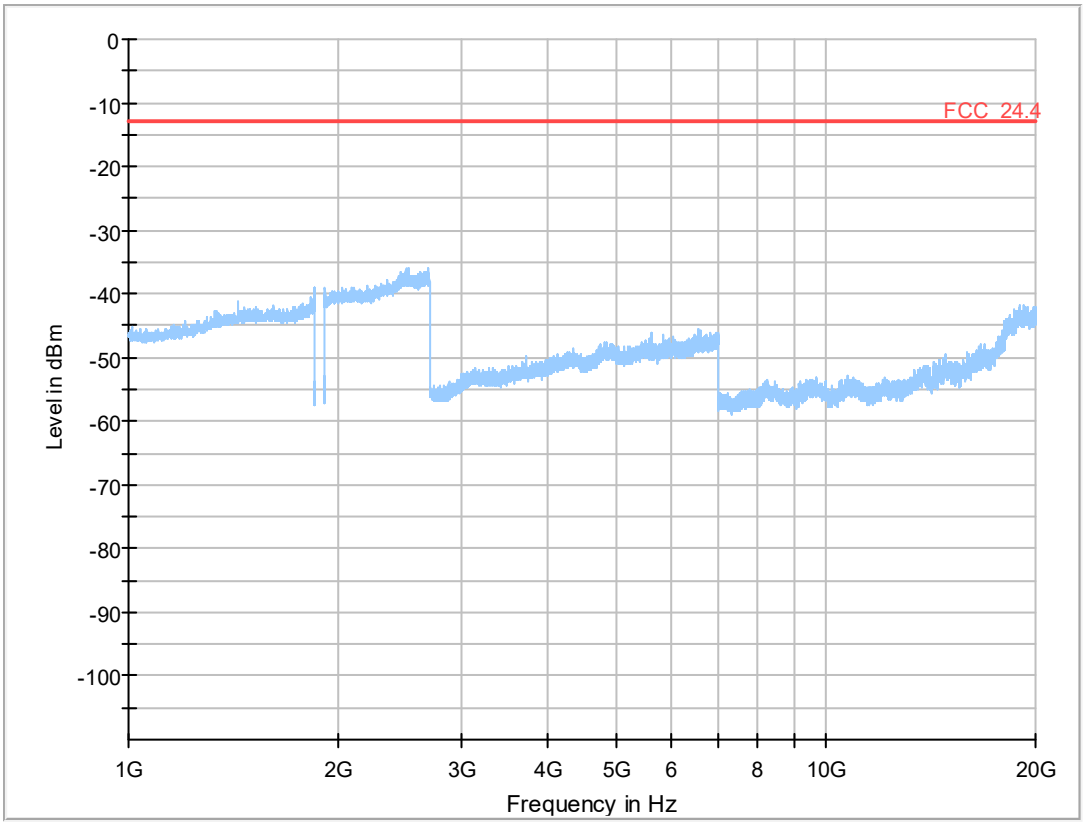
Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
---	---	---	---	---	---	---		---	---

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
---	---	---	---	---	---	---		---	---

(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
---	---	---	---	---	---	---		---	---

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Test: 24.4; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 12:19	FCC part 2 and 24

3.5.12 24.5 Emission and Occupied Bandwidth §2.1049, §24.238

Test: 24.5; Emission and Occupied Bandwidth Summary §2.1049, §24.238

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 12:08	FCC part 2 and 24

Detailed Results:

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	Nominal BW [MHz]	26 dB BW [kHz]	99 % BW [kHz]
FDD II	low	-	5	5	4689.4	4088.2
FDD II	mid	-	5	5	4689.4	4088.2
FDD II	high	-	5	5	4709.4	4088.2
FDD II HSDPA Subtest 1	low	-	5	5	4709.4	4088.2
FDD II HSDPA Subtest 1	mid	-	5	5	4709.4	4088.2
FDD II HSDPA Subtest 1	high	-	5	5	4769.5	4088.2
FDD II HSUPA Subtest 1	low	-	5	5	4689.4	4108.2
FDD II HSUPA Subtest 1	mid	-	5	5	4669.3	4088.2
FDD II HSUPA Subtest 1	high	-	5	5	4689.4	4108.2
FDD II HSUPA Subtest 5	low	-	5	5	4709.4	4088.2
FDD II HSUPA Subtest 5	mid	-	5	5	4709.4	4108.2
FDD II HSUPA Subtest 5	high	-	5	5	4749.5	4108.2
eFDD 2 QPSK	low	6	1.4	1.4	-	1118.2
eFDD 2 QPSK	mid	6	1.4	1.4	-	1118.2
eFDD 2 QPSK	high	6	1.4	1.4	-	1118.2
eFDD 2 16QAM	low	6	1.4	1.4	-	1124.3
eFDD 2 16QAM	mid	6	1.4	1.4	-	1100.2
eFDD 2 16QAM	high	6	1.4	1.4	-	1124.3
eFDD 2 QPSK	low	15	3	3	-	2765.5
eFDD 2 QPSK	mid	15	3	3	-	2753.5
eFDD 2 QPSK	high	15	3	3	-	2765.5
eFDD 2 16QAM	low	15	3	3	-	2777.5
eFDD 2 16QAM	mid	15	3	3	-	2753.5
eFDD 2 16QAM	high	15	3	3	-	2765.5
eFDD 2 QPSK	low	25	5	5	-	4549.1
eFDD 2 QPSK	mid	25	5	5	-	4529.1
eFDD 2 QPSK	high	25	5	5	-	4509
eFDD 2 16QAM	low	25	5	5	-	4529.1
eFDD 2 16QAM	mid	25	5	5	-	4549.1
eFDD 2 16QAM	high	25	5	5	-	4529.1
eFDD 2 QPSK	low	50	10	10	-	9018
eFDD 2 QPSK	mid	50	10	10	-	9018
eFDD 2 QPSK	high	50	10	10	-	9058.1
eFDD 2 16QAM	low	50	10	10	-	9058.1
eFDD 2 16QAM	mid	50	10	10	-	9058.1
eFDD 2 16QAM	high	50	10	10	-	9018
eFDD 2 QPSK	low	75	15	15	-	13707.4
eFDD 2 QPSK	mid	75	15	15	-	13527.1
eFDD 2 QPSK	high	75	15	15	-	13587.2
eFDD 2 16QAM	low	75	15	15	-	13587.2
eFDD 2 16QAM	mid	75	15	15	-	13647.3
eFDD 2 16QAM	high	75	15	15	-	13587.2
eFDD 2 QPSK	low	100	20	20	-	18116.2
eFDD 2 QPSK	mid	100	20	20	-	18276.6
eFDD 2 QPSK	high	100	20	20	-	18276.6
eFDD 2 16QAM	low	100	20	20	-	18196.4
eFDD 2 16QAM	mid	100	20	20	-	18276.6
eFDD 2 16QAM	high	100	20	20	-	18276.6

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:07	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:06	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:05	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:24	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:22	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:25	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:29	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:28	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:30	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:33	FCC part 2 and 24

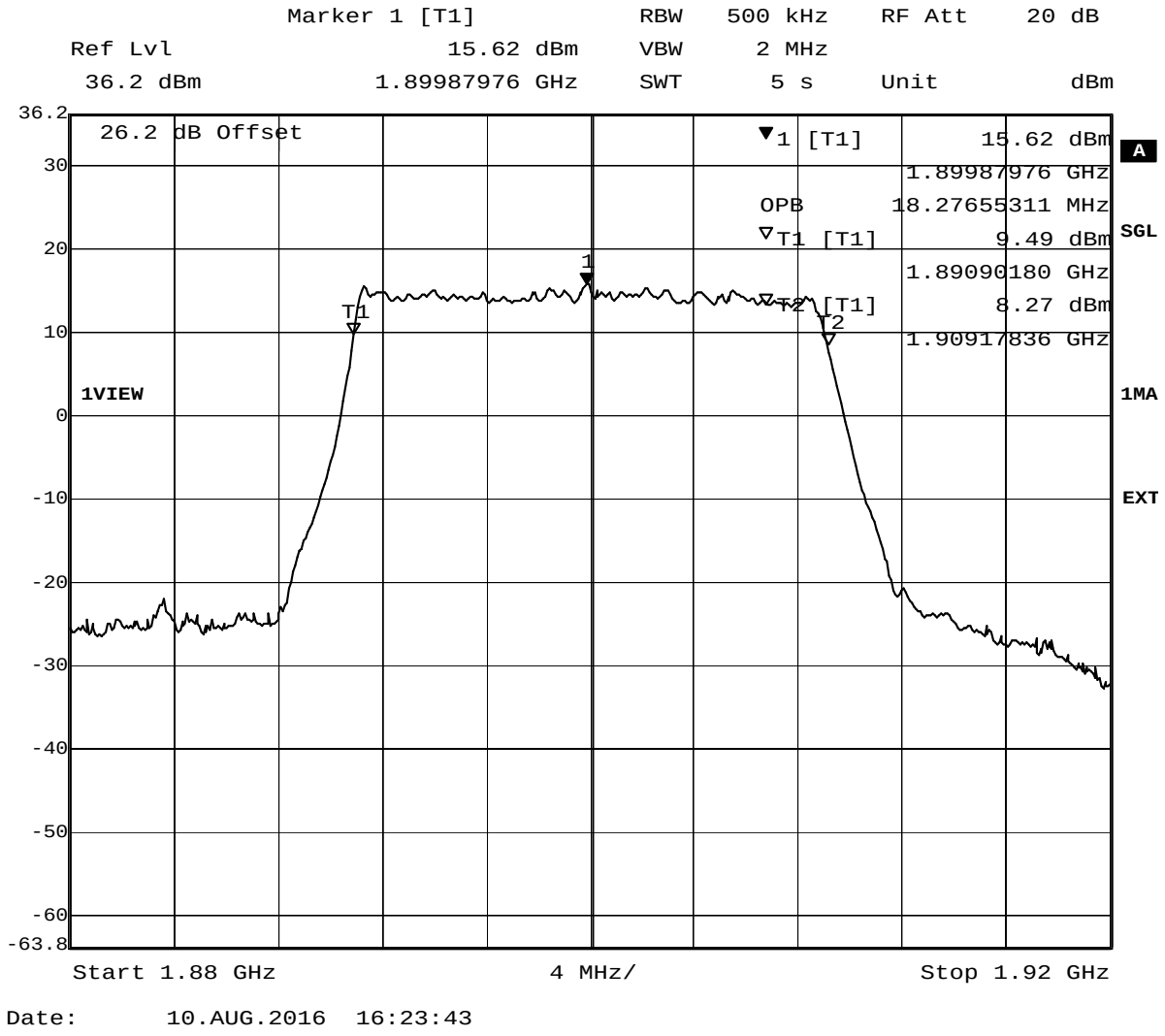
Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:32	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:33	FCC part 2 and 24

Detailed Results:



Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:11	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:13	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:09	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:19	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:17	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:20	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:08	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:04	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:06	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:24	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:23	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:21	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:26	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:29	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:30	FCC part 2 and 24

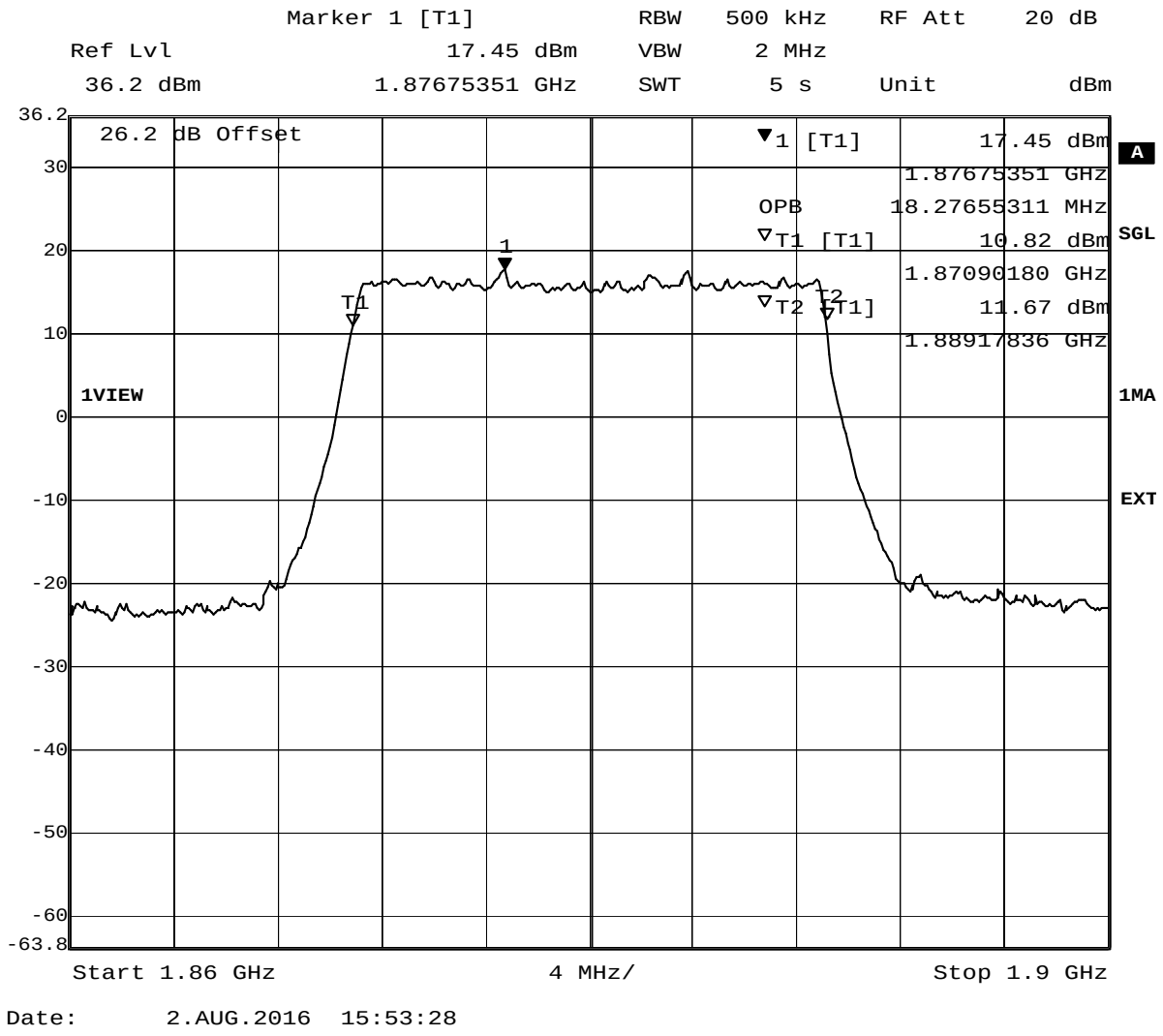
Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:32	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:31	FCC part 2 and 24

Detailed Results:



Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:33	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:12	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:12	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:10	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:16	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:19	FCC part 2 and 24

Test: 24.5; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:18	FCC part 2 and 24

Test: 24.5; Frequency Band = FDD2, Mode = HSDPA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:49	FCC part 2 and 24

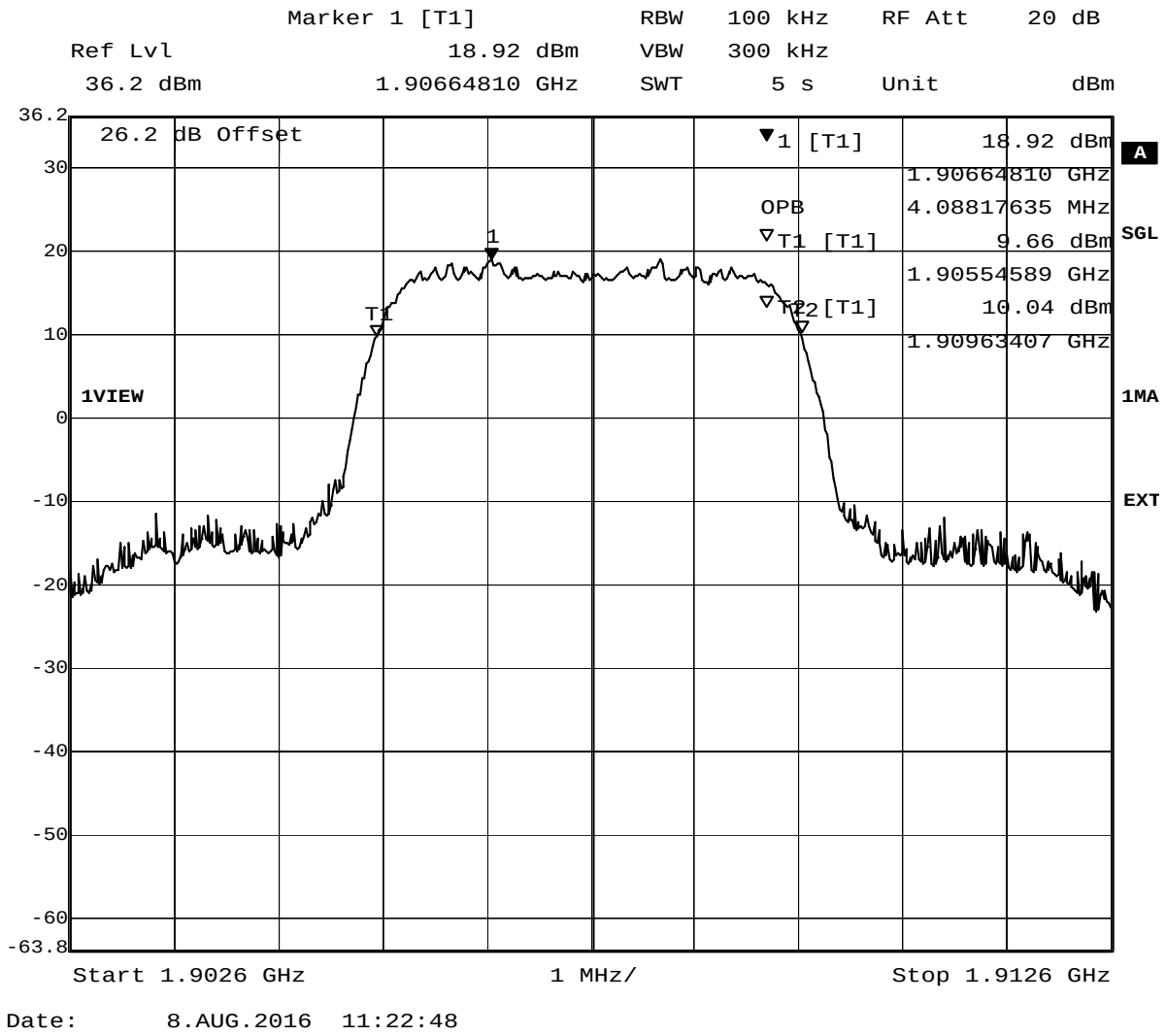
Test: 24.5; Frequency Band = FDD2, Mode = HSDPA, Channel = 9400, Frequency = 1880MHz

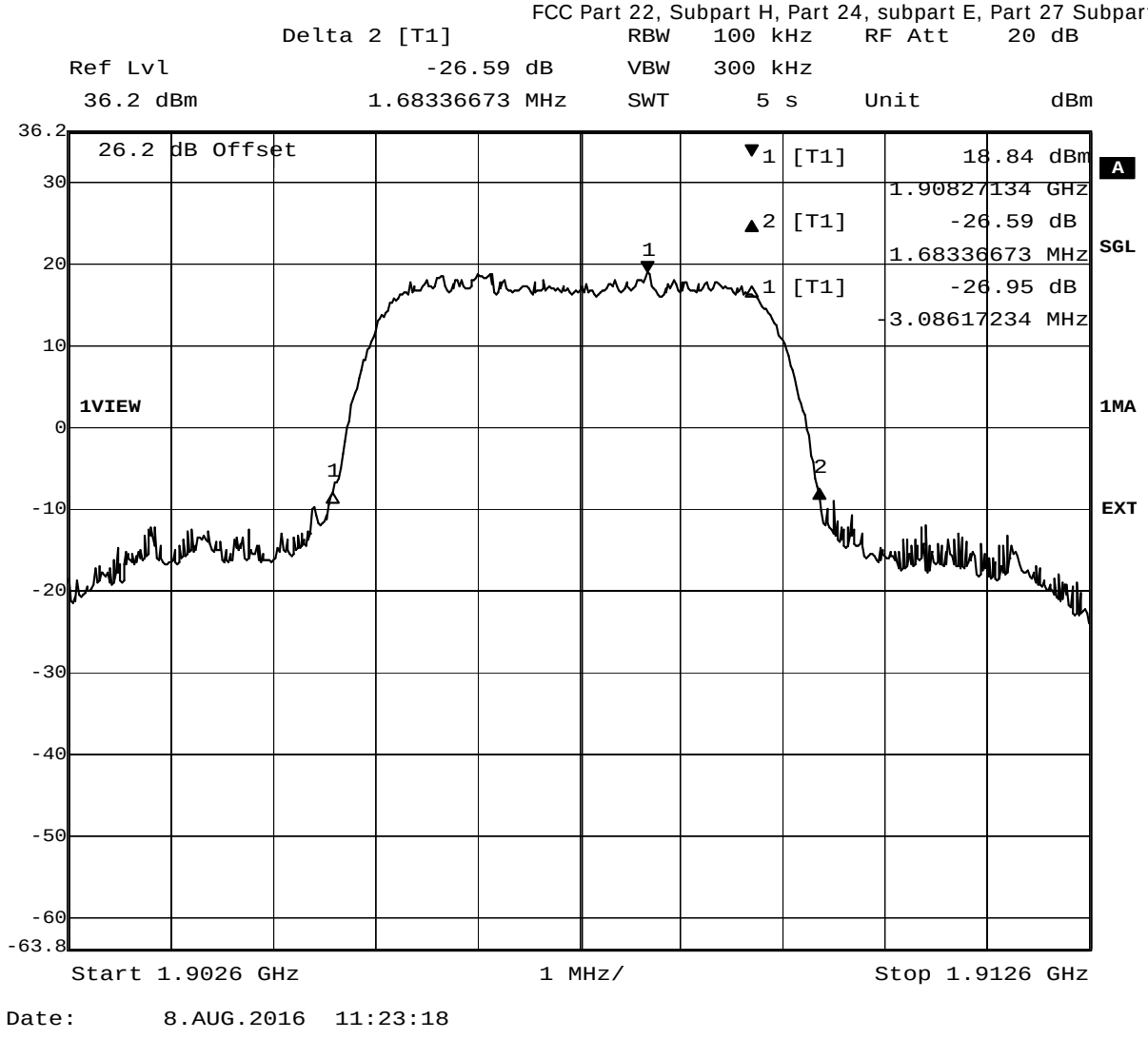
Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:49	FCC part 2 and 24

Test: 24.5; Frequency Band = FDD2, Mode = HSDPA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:48	FCC part 2 and 24

Detailed Results:





Test: 24.5; Frequency Band = FDD2, Mode = HSUPA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:51	FCC part 2 and 24

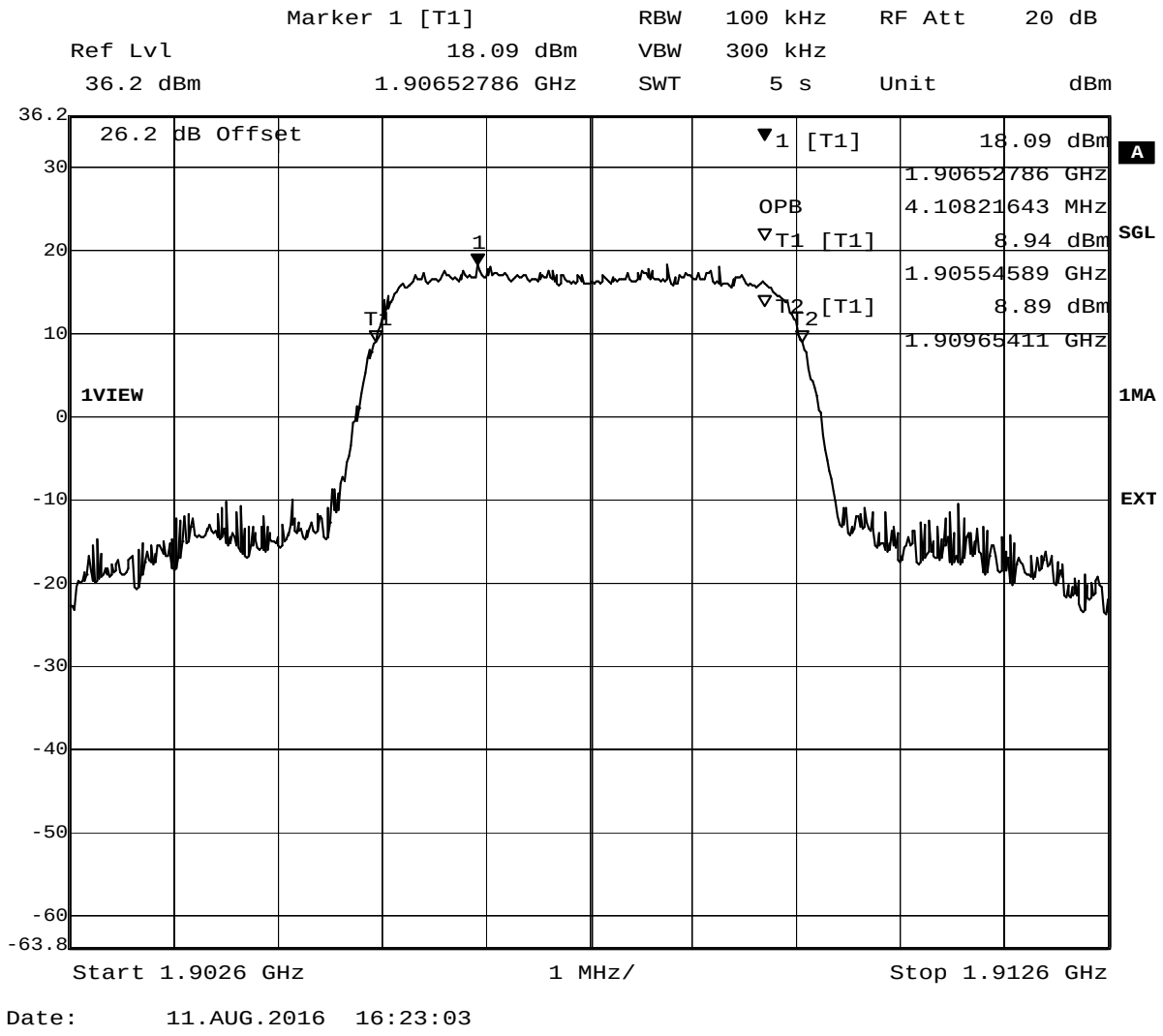
Test: 24.5; Frequency Band = FDD2, Mode = HSUPA, Channel = 9400, Frequency = 1880MHz

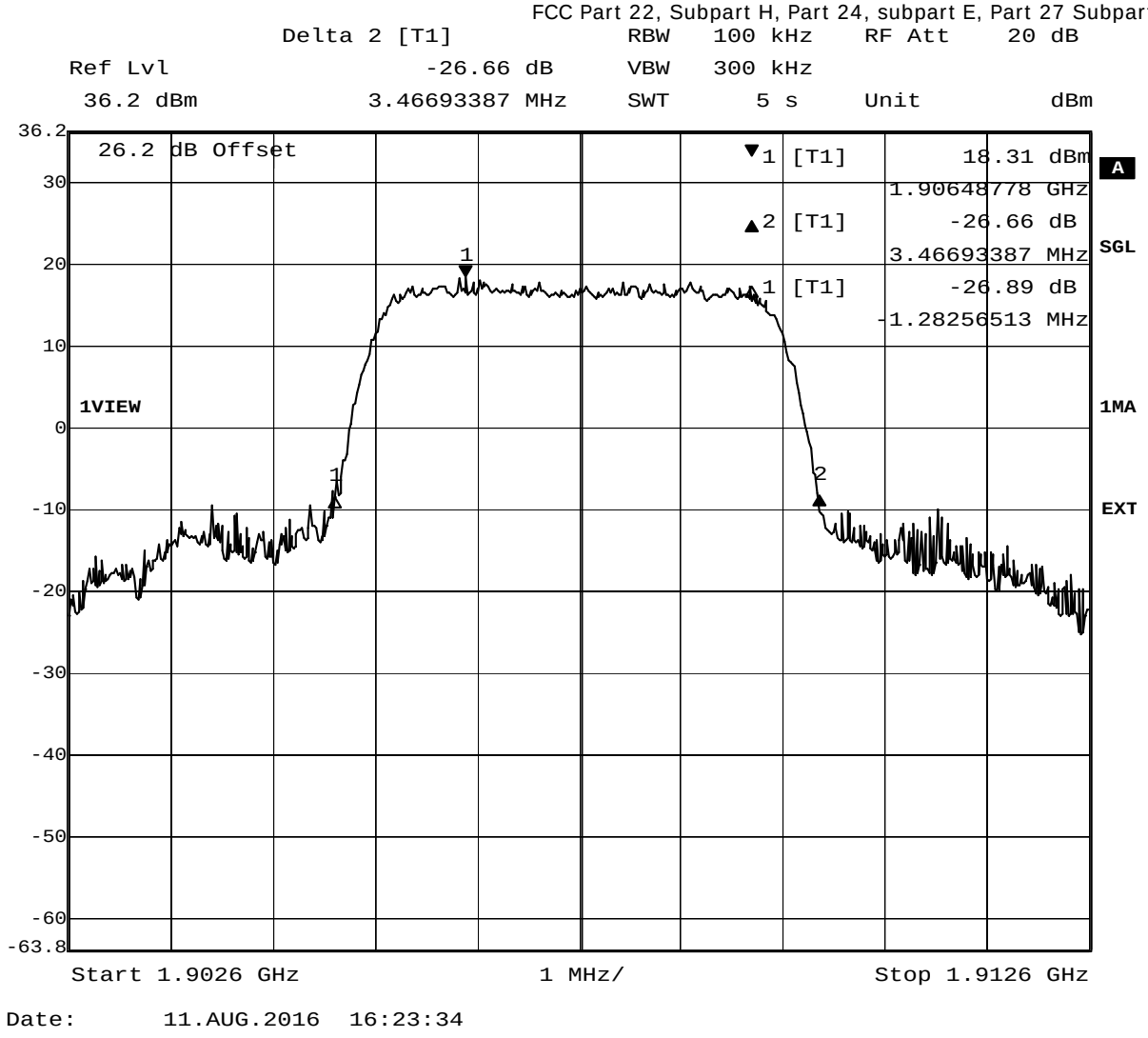
Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:52	FCC part 2 and 24

Test: 24.5; Frequency Band = FDD2, Mode = HSUPA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:50	FCC part 2 and 24

Detailed Results:





Test: 24.5; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:46	FCC part 2 and 24

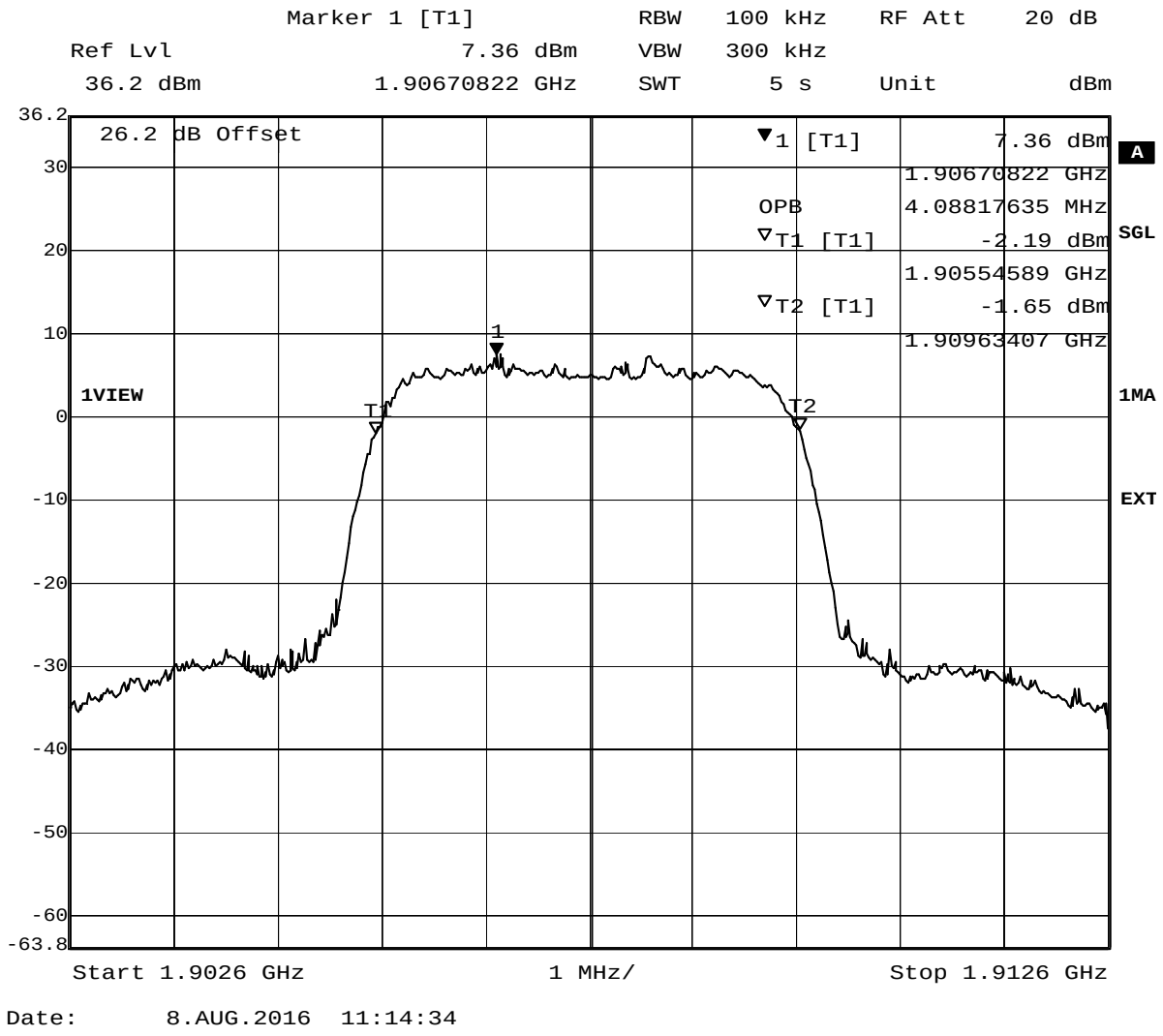
Test: 24.5; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9400, Frequency = 1880MHz

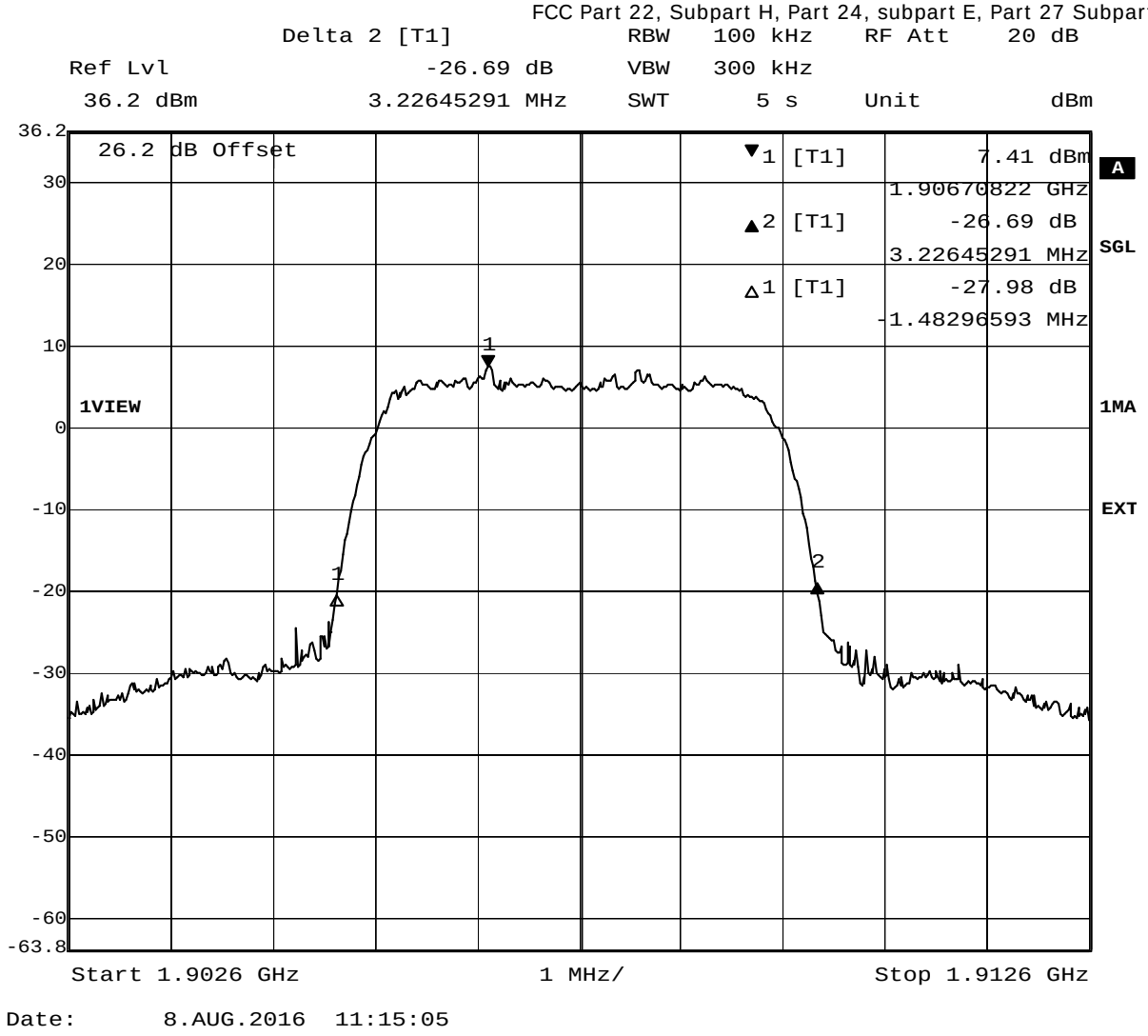
Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:47	FCC part 2 and 24

Test: 24.5; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 16:44	FCC part 2 and 24

Detailed Results:




Delta 2 [T1]
RBW 100 kHz
RF Att 20 dB
Ref Lvl
-26.69 dB
VBW 300 kHz
36.2 dBm
3.22645291 MHz
SWT 5 s
Unit dBm
26.2 dB Offset
▼1 [T1]
7.41 dBm
1.90670822 GHz
▲2 [T1]
-26.69 dB
3.22645291 MHz
Δ1 [T1]
-27.98 dB
-1.48296593 MHz
1VIEW
A
SGL
1MA
EXT
36.2
30
20
10
0
-10
-20
-30
-40
-50
-60
-63.8
Start 1.9026 GHz
1 MHz/
Stop 1.9126 GHz
Date: 8.AUG.2016 11:15:05

3.5.13 24.6 Band edge compliance §2.1053, §24.238

Test: 24.6; Band edge compliance summary §2.1053, §24.238

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:38	FCC part 2 and 24

Detailed Results:

Radio Technology	Channel	Nominal BW	Ressource Blocks	Peak [dBm]	Average [dBm]	RMS [dBm]	Limit /dBm	Margin to Limit /dB
FDD II	low	5	-	-20.35	-30.42	-29.26	-13	16.26
FDD II	high	5	-	-19.37	-34.76	-33.34	-13	20.34
FDD II HSDPA Subtest 1	low	5	-	-16.39	-26.7	-25.92	-13	12.92
FDD II HSDPA Subtest 1	high	5	-	-15.8	-27.54	-26.3	-13	13.3
FDD II HSUPA Subtest 1	low	5	-	-16.85	-29.54	-28.74	-13	15.74
FDD II HSUPA Subtest 1	high	5	-	-18.72	-31.76	-31.07	-13	18.07
FDD II HSUPA Subtest 5	low	5	-	-16.22	-29	-28	-13	15
FDD II HSUPA Subtest 5	high	5	-	-16.8	-29.26	-28	-13	15
eFDD 2 QPSK	low	1.4	6	-18.02	-29.26	-27.32	-13	14.32
eFDD 2 QPSK	high	1.4	6	-17.75	-29.54	-27.54	-13	14.54
eFDD 2 16QAM	low	1.4	6	-15.73	-29.54	-27.54	-13	14.54
eFDD 2 16QAM	high	1.4	6	-18.69	-29.54	-27.77	-13	14.77
eFDD 2 QPSK	low	3	15	-16.57	-31.41	-28.48	-13	15.48
eFDD 2 QPSK	high	3	15	-17.9	-32.13	-29.54	-13	16.54
eFDD 2 16QAM	low	3	15	-16.3	-31.41	-28.24	-13	15.24
eFDD 2 16QAM	high	3	15	-17.68	-31.76	-29.54	-13	16.54
eFDD 2 QPSK	low	5	25	-14.45	-33.79	-29.54	-13	16.54
eFDD 2 QPSK	high	5	25	-15.26	-33.79	-30.42	-13	17.42
eFDD 2 16QAM	low	5	25	-16.51	-34.76	-31.07	-13	18.07
eFDD 2 16QAM	high	5	25	-14.95	-33.34	-29.82	-13	16.82
eFDD 2 QPSK	low	10	50	-14.59	-37.09	-31.76	-13	18.76
eFDD 2 QPSK	high	10	50	-15.91	-35.28	-31.76	-13	18.76
eFDD 2 16QAM	low	10	50	-17.17	-38.54	-34.26	-13	21.26
eFDD 2 16QAM	high	10	50	-16.22	-37.09	-33.34	-13	20.34
eFDD 2 QPSK	low	15	75	-9.88	-36.44	-31.04	-13	18.04
eFDD 2 QPSK	high	15	75	-11.48	-33.79	-29.82	-13	16.82
eFDD 2 16QAM	low	15	75	-11.95	-36.44	-30.74	-13	17.74
eFDD 2 16QAM	high	15	75	-11.23	-33.79	-30.12	-13	17.12
eFDD 2 QPSK	low	20	100	-15.82	-38.54	-33.79	-13	20.79
eFDD 2 QPSK	high	20	100	-15.09	-34.26	-31.76	-13	18.76
eFDD 2 16QAM	low	20	100	-15.45	-39.37	-34.76	-13	21.76
eFDD 2 16QAM	high	20	100	-13.81	-35.28	-32.92	-13	19.92

Test: 24.6; Band edge compliance summary §2.1053, §24.238

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:37	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:47	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:48	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:54	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:53	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/01 17:52	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:52	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:51	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:50	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:49	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:55	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:57	FCC part 2 and 24

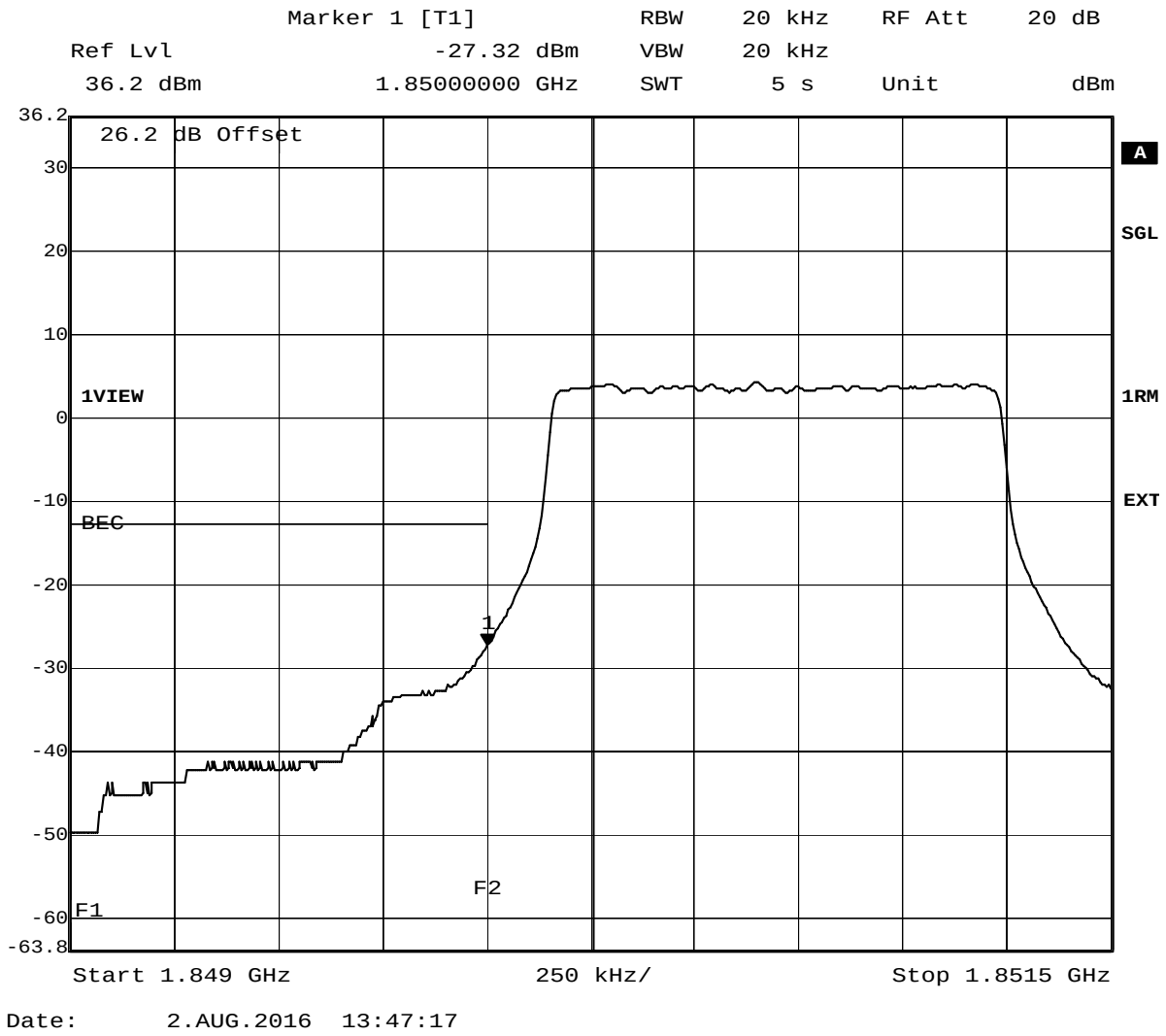
Test: 24.6; Frequency Band = eFDD2, Mode = 16QAM 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:56	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:46	FCC part 2 and 24

Detailed Results:



Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:48	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 18650, Frequency = 1855MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:55	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 10MHz, Channel = 19150, Frequency = 1905MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:54	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 18675, Frequency = 1857.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:53	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 15MHz, Channel = 19125, Frequency = 1902.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:52	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 18700, Frequency = 1860MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:51	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 20MHz, Channel = 19100, Frequency = 1900MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:50	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 18615, Frequency = 1851.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:49	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 3MHz, Channel = 19185, Frequency = 1908.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:50	FCC part 2 and 24

Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 18625, Frequency = 1852.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:55	FCC part 2 and 24

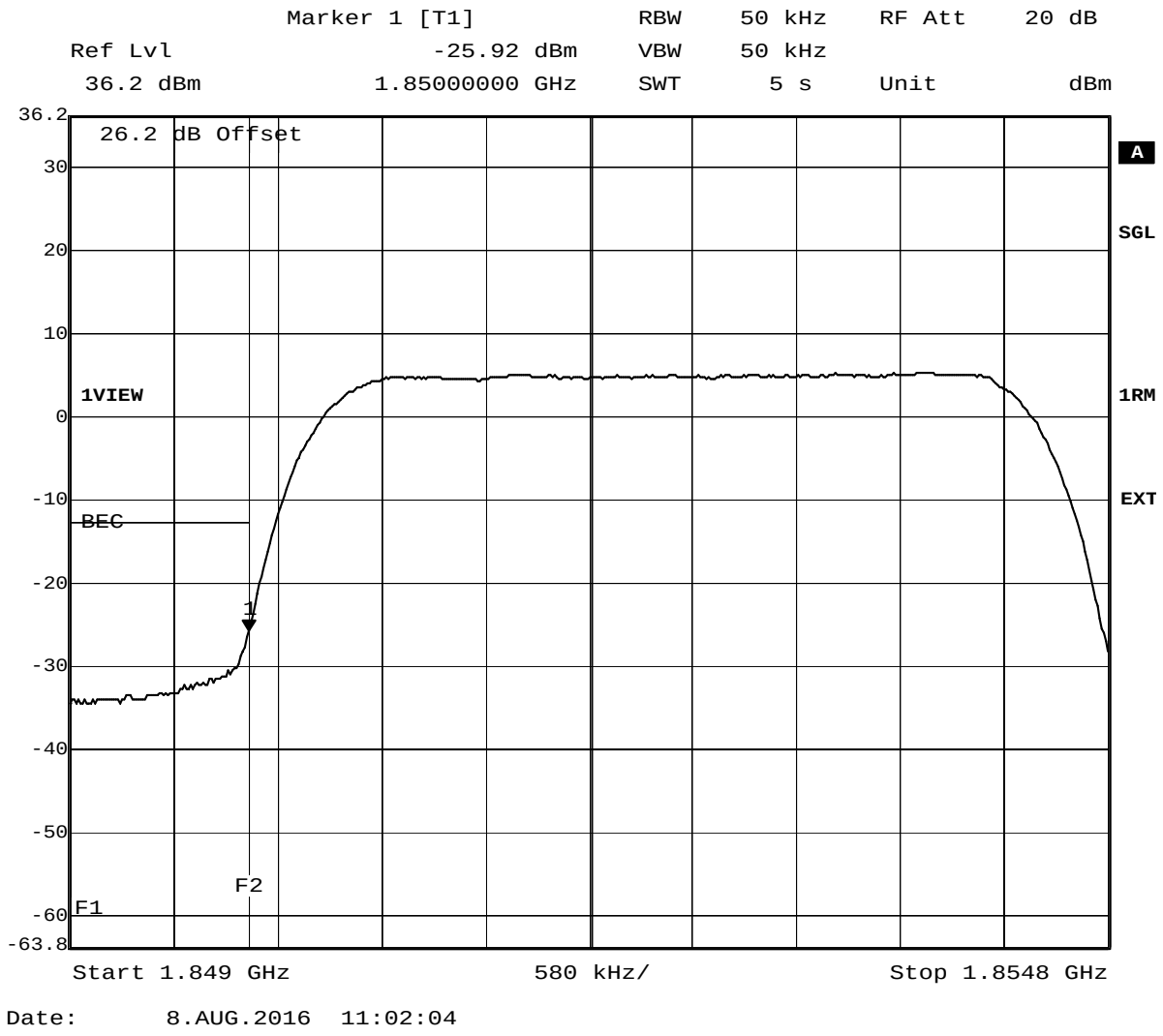
Test: 24.6; Frequency Band = eFDD2, Mode = QPSK 5MHz, Channel = 19175, Frequency = 1907.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:56	FCC part 2 and 24

Test: 24.6; Frequency Band = FDD2, Mode = HSDPA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:41	FCC part 2 and 24

Detailed Results:



Test: 24.6; Frequency Band = FDD2, Mode = HSDPA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:42	FCC part 2 and 24

Test: 24.6; Frequency Band = FDD2, Mode = HSUPA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:43	FCC part 2 and 24

Test: 24.6; Frequency Band = FDD2, Mode = HSUPA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:44	FCC part 2 and 24

Test: 24.6; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9262, Frequency = 1852.4MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:40	FCC part 2 and 24

Test: 24.6; Frequency Band = FDD2, Mode = W-CDMA, Channel = 9538, Frequency = 1907.6MHz

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 17:38	FCC part 2 and 24

3.5.14 24.7 Peak-to-Average ratio §2.1046, §24.232

Test: 24.7; Peak-to-Average Ratio Summary §2.1046, §24.232

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 12:10	FCC part 2 and 24

Detailed Results:

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	Peak to Average Ratio	Limit (IC) (dB)
eFDD 2 QPSK	low	6	1.4	5.68	13
eFDD 2 QPSK	mid	6	1.4	5.62	13
eFDD 2 QPSK	high	6	1.4	5.51	13
eFDD 2 16QAM	low	6	1.4	6.38	13
eFDD 2 16QAM	mid	6	1.4	6.58	13
eFDD 2 16QAM	high	6	1.4	6.29	13

Test: 24.7; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18607, Frequency = 1850.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:35	FCC part 2 and 24

Test: 24.7; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:34	FCC part 2 and 24

Test: 24.7; Frequency Band = eFDD2, Mode = 16QAM 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:33	FCC part 2 and 24

Test: 24.7; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 18900, Frequency = 1880MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:34	FCC part 2 and 24

Test: 24.7; Frequency Band = eFDD2, Mode = QPSK 1.4MHz, Channel = 19193, Frequency = 1909.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:33	FCC part 2 and 24

3.5.15 27.1 RF Power Output §2.1046, §27.250

Test: 27.1; RF Power Output Summary §2.1046, §27.250

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 12:16	FCC part 2 and 27

Detailed Results:

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	RMS Conducted Power (dBm)	EIRP Limit (dBm)	Result
eFDD 4 QPSK	low	1	1.4	21.01	30	Passed
eFDD 4 QPSK	low	3	1.4	20.78	30	Passed
eFDD 4 QPSK	low	6	1.4	19.89	30	Passed
eFDD 4 QPSK	mid	1	1.4	21.16	30	Passed
eFDD 4 QPSK	mid	3	1.4	20.77	30	Passed
eFDD 4 QPSK	mid	6	1.4	19.92	30	Passed
eFDD 4 QPSK	high	1	1.4	20.93	30	Passed
eFDD 4 QPSK	high	3	1.4	20.79	30	Passed
eFDD 4 QPSK	high	6	1.4	19.79	30	Passed
eFDD 4 16QAM	low	1	1.4	20.34	30	Passed
eFDD 4 16QAM	low	6	1.4	19.02	30	Passed
eFDD 4 16QAM	mid	1	1.4	20.42	30	Passed
eFDD 4 16QAM	mid	6	1.4	19.01	30	Passed
eFDD 4 16QAM	high	1	1.4	20.24	30	Passed
eFDD 4 16QAM	high	6	1.4	18.81	30	Passed
eFDD 4 QPSK	low	1	3	21.5	30	Passed
eFDD 4 QPSK	low	15	3	19.24	30	Passed
eFDD 4 QPSK	mid	1	3	21.5	30	Passed
eFDD 4 QPSK	mid	15	3	19.23	30	Passed
eFDD 4 QPSK	high	1	3	21.54	30	Passed
eFDD 4 QPSK	high	15	3	19.14	30	Passed
eFDD 4 16QAM	low	1	3	20.65	30	Passed
eFDD 4 16QAM	low	15	3	18.48	30	Passed
eFDD 4 16QAM	mid	1	3	20.64	30	Passed
eFDD 4 16QAM	mid	15	3	18.46	30	Passed
eFDD 4 16QAM	high	1	3	20.72	30	Passed
eFDD 4 16QAM	high	15	3	18.3	30	Passed
eFDD 4 QPSK	low	1	5	21.56	30	Passed
eFDD 4 QPSK	low	12	5	19.33	30	Passed
eFDD 4 QPSK	low	25	5	19.39	30	Passed
eFDD 4 QPSK	mid	1	5	21.66	30	Passed
eFDD 4 QPSK	mid	12	5	19.35	30	Passed
eFDD 4 QPSK	mid	25	5	19.38	30	Passed
eFDD 4 QPSK	high	1	5	21.4	30	Passed
eFDD 4 QPSK	high	12	5	19.19	30	Passed
eFDD 4 QPSK	high	25	5	19.17	30	Passed
eFDD 4 16QAM	low	1	5	20.89	30	Passed
eFDD 4 16QAM	low	25	5	18.49	30	Passed
eFDD 4 16QAM	mid	1	5	20.84	30	Passed
eFDD 4 16QAM	mid	25	5	18.49	30	Passed
eFDD 4 16QAM	high	1	5	20.81	30	Passed
eFDD 4 16QAM	high	25	5	18.44	30	Passed

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	RMS Conducted Power (dBm)	EIRP Limit (dBm)	Result
eFDD 4 QPSK	low	1	10	21.91	30	Passed
eFDD 4 QPSK	low	50	10	19.85	30	Passed
eFDD 4 QPSK	mid	1	10	21.91	30	Passed
eFDD 4 QPSK	mid	50	10	19.78	30	Passed
eFDD 4 QPSK	high	1	10	21.86	30	Passed
eFDD 4 QPSK	high	50	10	19.7	30	Passed
eFDD 4 16QAM	low	1	10	21.19	30	Passed
eFDD 4 16QAM	low	50	10	18.93	30	Passed
eFDD 4 16QAM	mid	1	10	20.93	30	Passed
eFDD 4 16QAM	mid	50	10	18.88	30	Passed
eFDD 4 16QAM	high	1	10	21.13	30	Passed
eFDD 4 16QAM	high	50	10	18.78	30	Passed
eFDD 4 QPSK	low	1	15	22.11	30	Passed
eFDD 4 QPSK	low	36	15	20.12	30	Passed
eFDD 4 QPSK	low	75	15	19.93	30	Passed
eFDD 4 QPSK	mid	1	15	21.97	30	Passed
eFDD 4 QPSK	mid	36	15	20.08	30	Passed
eFDD 4 QPSK	mid	75	15	19.95	30	Passed
eFDD 4 QPSK	high	1	15	21.99	30	Passed
eFDD 4 QPSK	high	36	15	20.03	30	Passed
eFDD 4 QPSK	high	75	15	19.86	30	Passed
eFDD 4 16QAM	low	1	15	21.26	30	Passed
eFDD 4 16QAM	low	75	15	19.03	30	Passed
eFDD 4 16QAM	mid	1	15	21.21	30	Passed
eFDD 4 16QAM	mid	75	15	19.11	30	Passed
eFDD 4 16QAM	high	1	15	21.28	30	Passed
eFDD 4 16QAM	high	75	15	18.88	30	Passed
eFDD 4 QPSK	low	1	20	21.67	30	Passed
eFDD 4 QPSK	low	100	20	19.87	30	Passed
eFDD 4 QPSK	mid	1	20	21.72	30	Passed
eFDD 4 QPSK	mid	100	20	19.77	30	Passed
eFDD 4 QPSK	high	1	20	21.64	30	Passed
eFDD 4 QPSK	high	100	20	19.73	30	Passed
eFDD 4 16QAM	low	1	20	20.93	30	Passed
eFDD 4 16QAM	low	100	20	19.08	30	Passed
eFDD 4 16QAM	mid	1	20	20.89	30	Passed
eFDD 4 16QAM	mid	100	20	18.93	30	Passed
eFDD 4 16QAM	high	1	20	20.75	30	Passed
eFDD 4 16QAM	high	100	20	18.89	30	Passed

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	RMS Conducted Power (dBm)	EIRP Limit (dBm)	Result
eFDD 12 QPSK	low	1	1.4	21.49	36.91	Passed
eFDD 12 QPSK	low	3	1.4	21.15	36.91	Passed
eFDD 12 QPSK	low	6	1.4	20.22	36.91	Passed
eFDD 12 QPSK	mid	1	1.4	21.53	36.91	Passed
eFDD 12 QPSK	mid	3	1.4	21.12	36.91	Passed
eFDD 12 QPSK	mid	6	1.4	20.16	36.91	Passed
eFDD 12 QPSK	high	1	1.4	21.3	36.91	Passed
eFDD 12 QPSK	high	3	1.4	21.03	36.91	Passed
eFDD 12 QPSK	high	6	1.4	20.01	36.91	Passed
eFDD 12 16QAM	low	1	1.4	21.01	36.91	Passed
eFDD 12 16QAM	low	6	1.4	19.67	36.91	Passed
eFDD 12 16QAM	mid	1	1.4	21.03	36.91	Passed
eFDD 12 16QAM	mid	6	1.4	19.58	36.91	Passed
eFDD 12 16QAM	high	1	1.4	20.81	36.91	Passed
eFDD 12 16QAM	high	6	1.4	19.55	36.91	Passed
eFDD 12 QPSK	low	1	3	21.82	36.91	Passed
eFDD 12 QPSK	low	15	3	19.5	36.91	Passed
eFDD 12 QPSK	mid	1	3	21.69	36.91	Passed
eFDD 12 QPSK	mid	15	3	19.52	36.91	Passed
eFDD 12 QPSK	high	1	3	21.76	36.91	Passed
eFDD 12 QPSK	high	15	3	19.32	36.91	Passed
eFDD 12 16QAM	low	1	3	21.21	36.91	Passed
eFDD 12 16QAM	low	15	3	18.91	36.91	Passed
eFDD 12 16QAM	mid	1	3	21.34	36.91	Passed
eFDD 12 16QAM	mid	15	3	18.92	36.91	Passed
eFDD 12 16QAM	high	1	3	21.24	36.91	Passed
eFDD 12 16QAM	high	15	3	18.8	36.91	Passed
eFDD 12 QPSK	low	1	5	21.88	36.91	Passed
eFDD 12 QPSK	low	12	5	19.51	36.91	Passed
eFDD 12 QPSK	low	25	5	19.51	36.91	Passed
eFDD 12 QPSK	mid	1	5	21.87	36.91	Passed
eFDD 12 QPSK	mid	12	5	19.43	36.91	Passed
eFDD 12 QPSK	mid	25	5	19.45	36.91	Passed
eFDD 12 QPSK	high	1	5	21.72	36.91	Passed
eFDD 12 QPSK	high	12	5	19.35	36.91	Passed
eFDD 12 QPSK	high	25	5	19.4	36.91	Passed
eFDD 12 16QAM	low	1	5	21.29	36.91	Passed
eFDD 12 16QAM	low	25	5	18.14	36.91	Passed
eFDD 12 16QAM	mid	1	5	21.42	36.91	Passed
eFDD 12 16QAM	mid	25	5	18.87	36.91	Passed
eFDD 12 16QAM	high	1	5	21.3	36.91	Passed
eFDD 12 16QAM	high	25	5	18.81	36.91	Passed
eFDD 12 QPSK	low	1	10	22	36.91	Passed
eFDD 12 QPSK	low	50	10	19.87	36.91	Passed
eFDD 12 QPSK	mid	1	10	21.92	36.91	Passed
eFDD 12 QPSK	mid	50	10	19.79	36.91	Passed
eFDD 12 QPSK	high	1	10	21.96	36.91	Passed
eFDD 12 QPSK	high	50	10	19.75	36.91	Passed
eFDD 12 16QAM	low	1	10	21.61	36.91	Passed
eFDD 12 16QAM	low	50	10	19.29	36.91	Passed
eFDD 12 16QAM	mid	1	10	21.48	36.91	Passed
eFDD 12 16QAM	mid	50	10	19.26	36.91	Passed
eFDD 12 16QAM	high	1	10	21.51	36.91	Passed
eFDD 12 16QAM	high	50	10	19.2	36.91	Passed

Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:27	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:22	FCC part 2 and 27

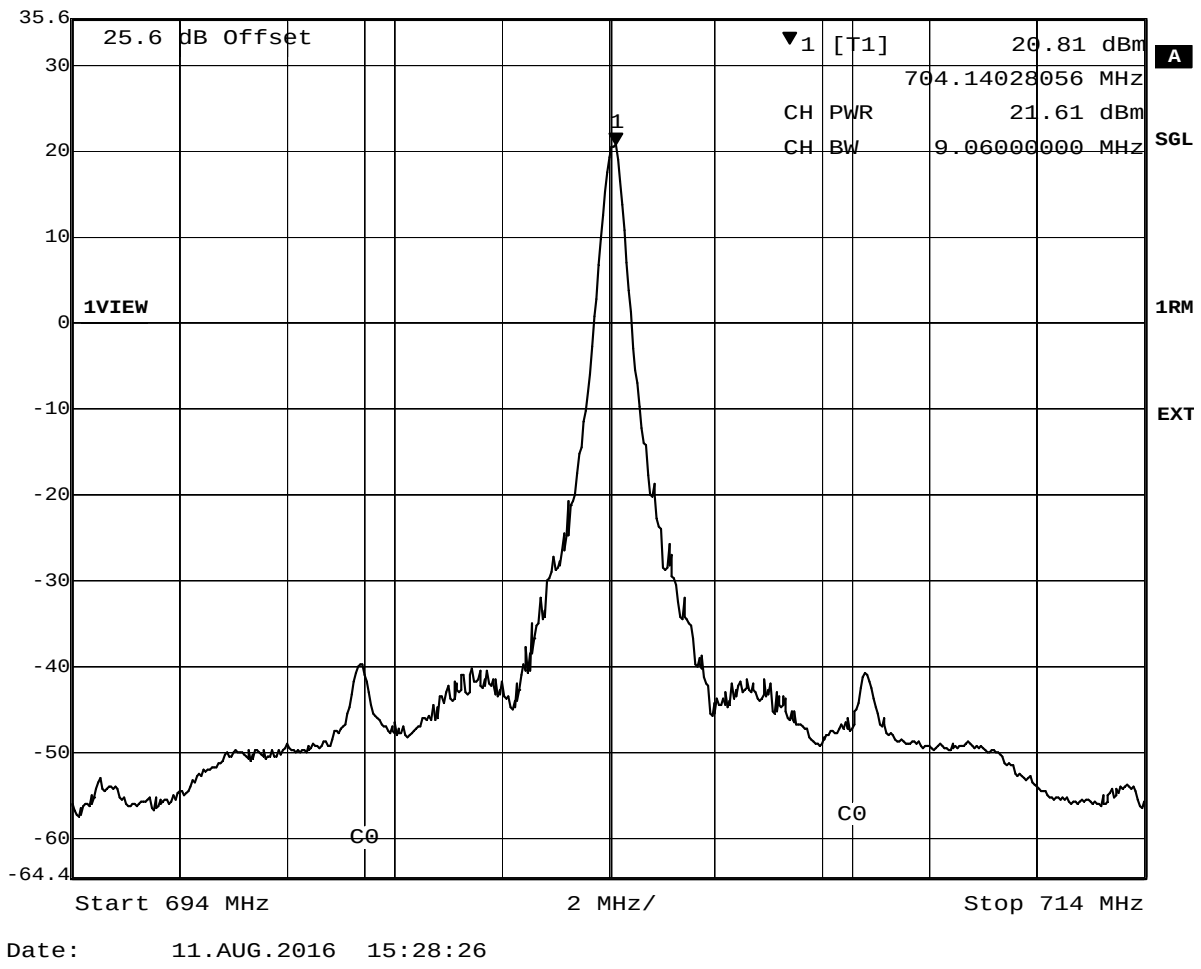
Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:27	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:42	FCC part 2 and 27

Detailed Results:



Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:43	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:43	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:33	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:30	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:33	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:39	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:37	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:38	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:25	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:25	FCC part 2 and 27

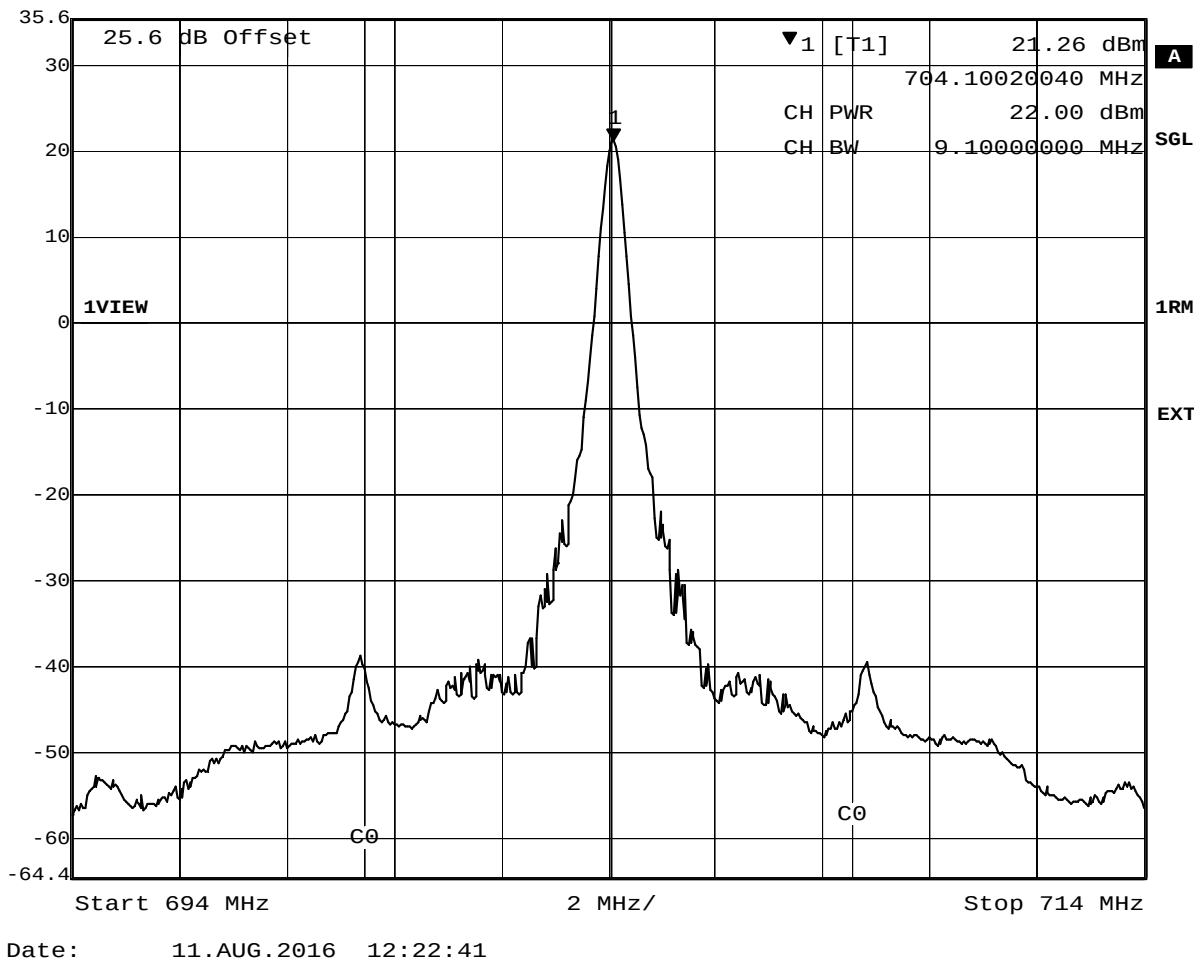
Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:26	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:44	FCC part 2 and 27

Detailed Results:



Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:44	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:41	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:29	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:34	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:34	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:35	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:39	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:40	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 19957, Frequency = 1710.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:45	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:44	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:46	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:58	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:59	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:00	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:04	FCC part 2 and 27

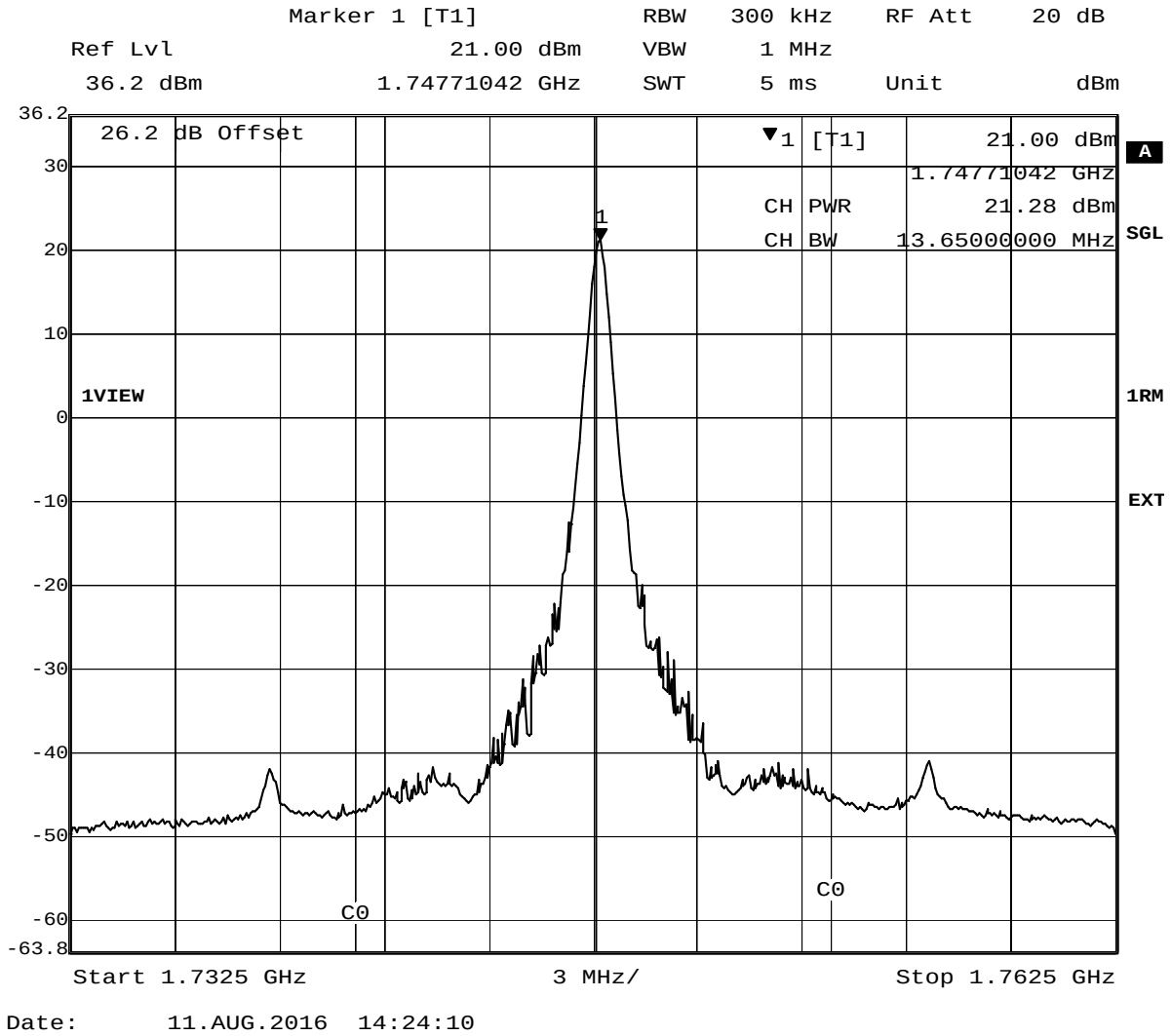
Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:05	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:03	FCC part 2 and 27

Detailed Results:



Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:07	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:08	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:09	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:50	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:50	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:49	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:53	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:54	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:55	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:43	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:46	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:57	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:59	FCC part 2 and 27

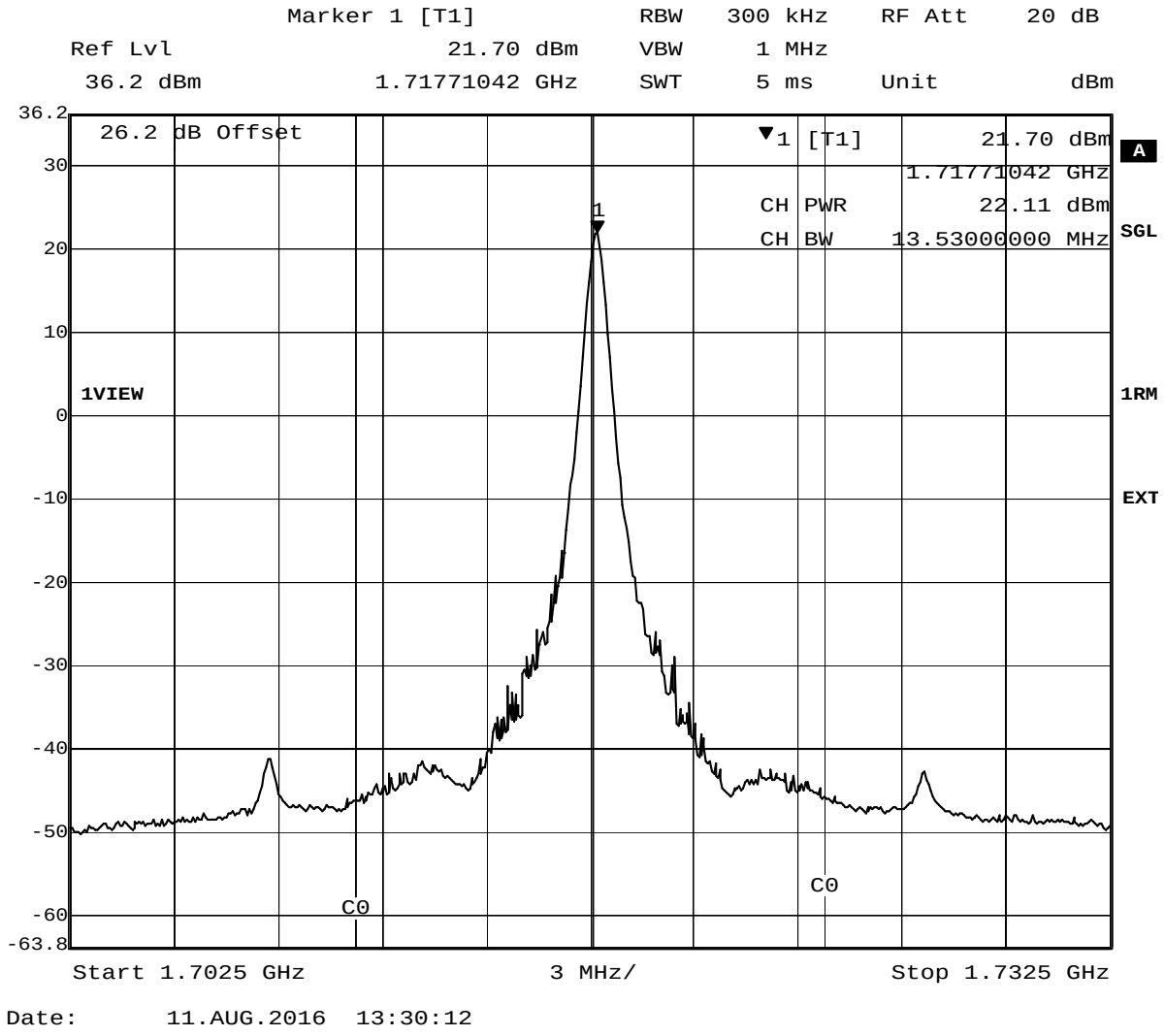
Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:00	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:02	FCC part 2 and 27

Detailed Results:



Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:04	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:05	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:08	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:06	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 9:09	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:49	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:50	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:47	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:54	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:52	FCC part 2 and 27

Test: 27.1; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 8:54	FCC part 2 and 27

3.5.16 27.2 Frequency stability §2.1055, §27.54

Test: 27.2; Frequency stability Summary §2.1055, §27.54

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:03	FCC part 2 and 27

Detailed Results:

Radio Technology	Voltage	Temp (°C)	Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (Hz)	Verdict
	100%	-30	1732.5	-15	-0.01	4331	Passed
	100%	-20	1732.5	-12	-0.01	4331	Passed
	100%	-10	1732.5	-13	-0.01	4331	Passed
	100%	0	1732.5	-17	-0.01	4331	Passed
	100%	10	1732.5	10	0.01	4331	Passed
eFDD 4 QPSK	100%	20	1732.5	-13	-0.01	4331	Passed
1.4 MHz, 6RI	100%	30	1732.5	15	0.01	4331	Passed
	100%	40	1732.5	-14	-0.01	4331	Passed
	100%	50	1732.5	13	0.01	4331	Passed
	85%	20	1732.5	-13	-0.01	4331	Passed
	115%	20	1732.5	-17	-0.01	4331	Passed

Radio Technology	Voltage	Temp (°C)	Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (Hz)	Verdict
	100%	-30	707.5	8	0.01	1769	Passed
	100%	-20	707.5	10	0.01	1769	Passed
	100%	-10	707.5	7	0.01	1769	Passed
	100%	0	707.5	9	0.01	1769	Passed
	100%	10	707.5	8	0.01	1769	Passed
eFDD 12 QPSK	100%	20	707.5	9	0.01	1769	Passed
1.4 MHz, 6RI	100%	30	707.5	9	0.01	1769	Passed
	100%	40	707.5	8	0.01	1769	Passed
	100%	50	707.5	10	0.01	1769	Passed
	85%	20	707.5	9	0.01	1769	Passed
	115%	20	707.5	8	0.01	1769	Passed

3.5.17 27.3 Spurious emissions at antenna terminals §2.1051, §27.53

Test: 27.3; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:05	FCC part 2 and 27

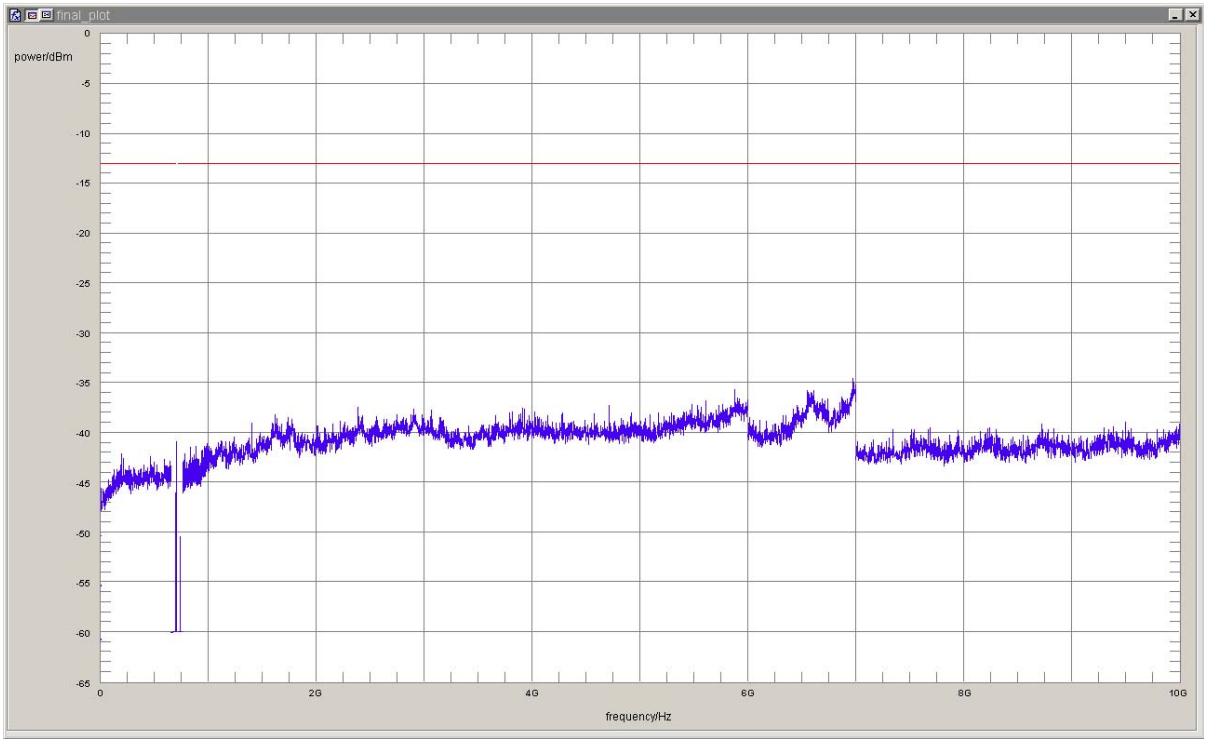
Test: 27.3; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:04	FCC part 2 and 27

Detailed Results:

detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	100	696.77	-29.6	16.6	-13.0	passed

no further values have been found with a margin of less than 20 dB



Test: 27.3; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:06	FCC part 2 and 27

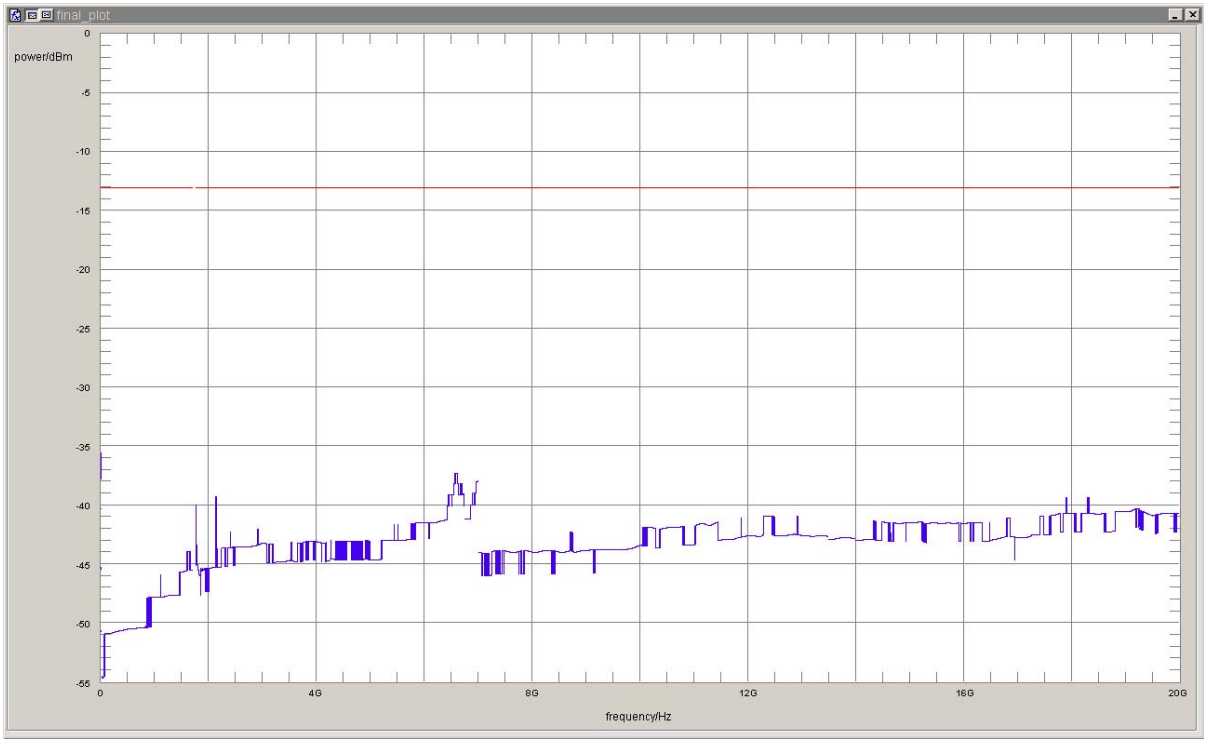
Test: 27.3; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:02	FCC part 2 and 27

Test: 27.3; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 15:01	FCC part 2 and 27

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	1	0.030	-35.50	22.50	-13	passed

no further values have been found with a margin of less than 20 dB

Test: 27.3; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 14:59	FCC part 2 and 27

3.5.18 27.4 Field strength of spurious radiation §2.1053, §27.53

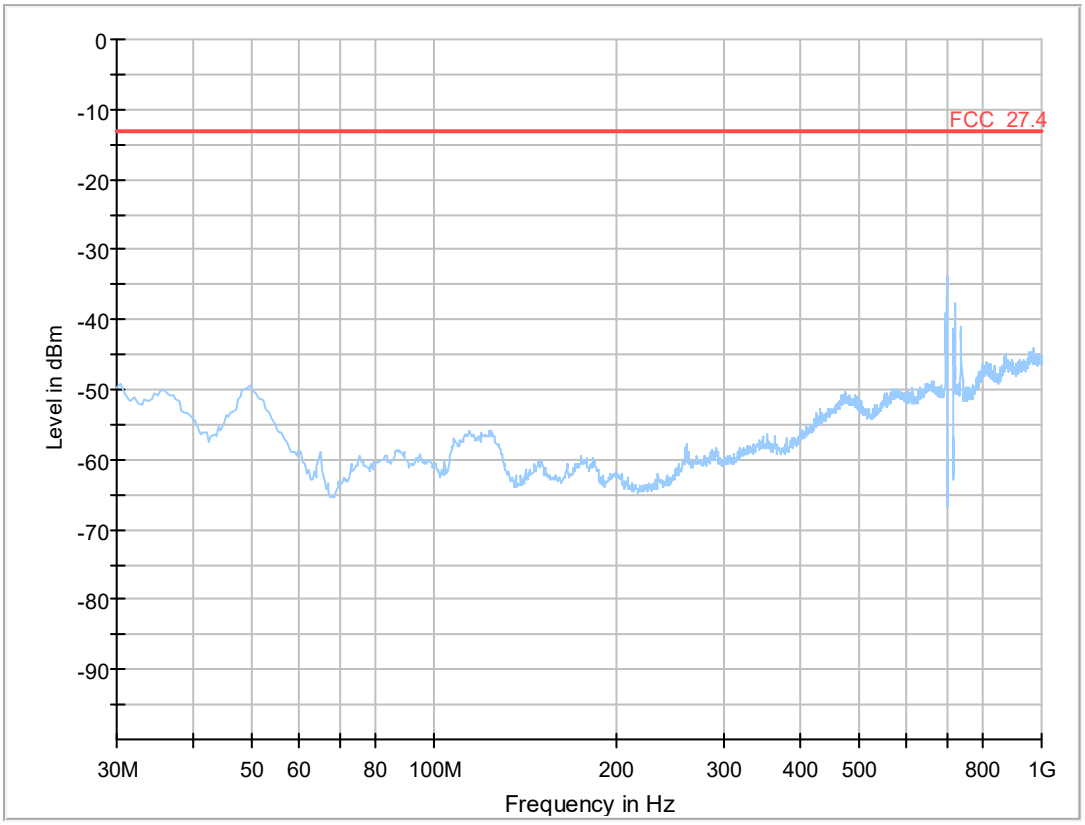
Test: 27.4; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 10:23	FCC part 2 and 27

Test: 27.4; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 10:25	FCC part 2 and 27

Detailed Results:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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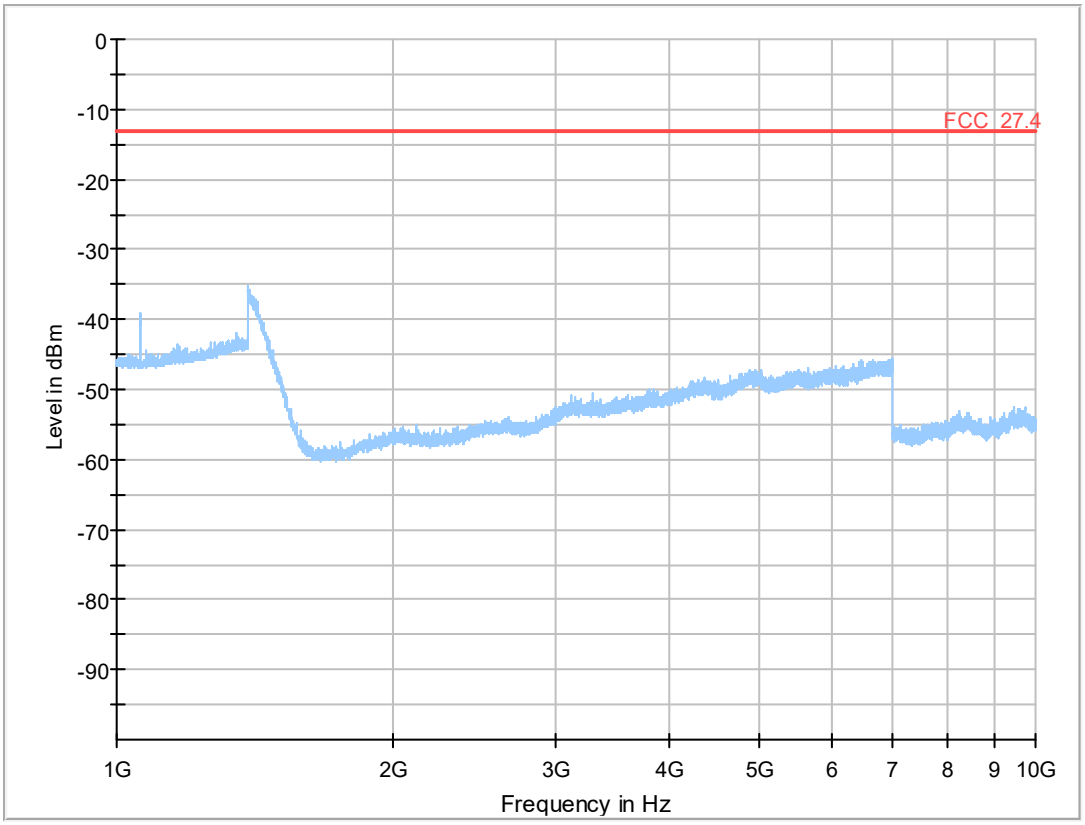
(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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Test: 27.4; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 10:26	FCC part 2 and 27

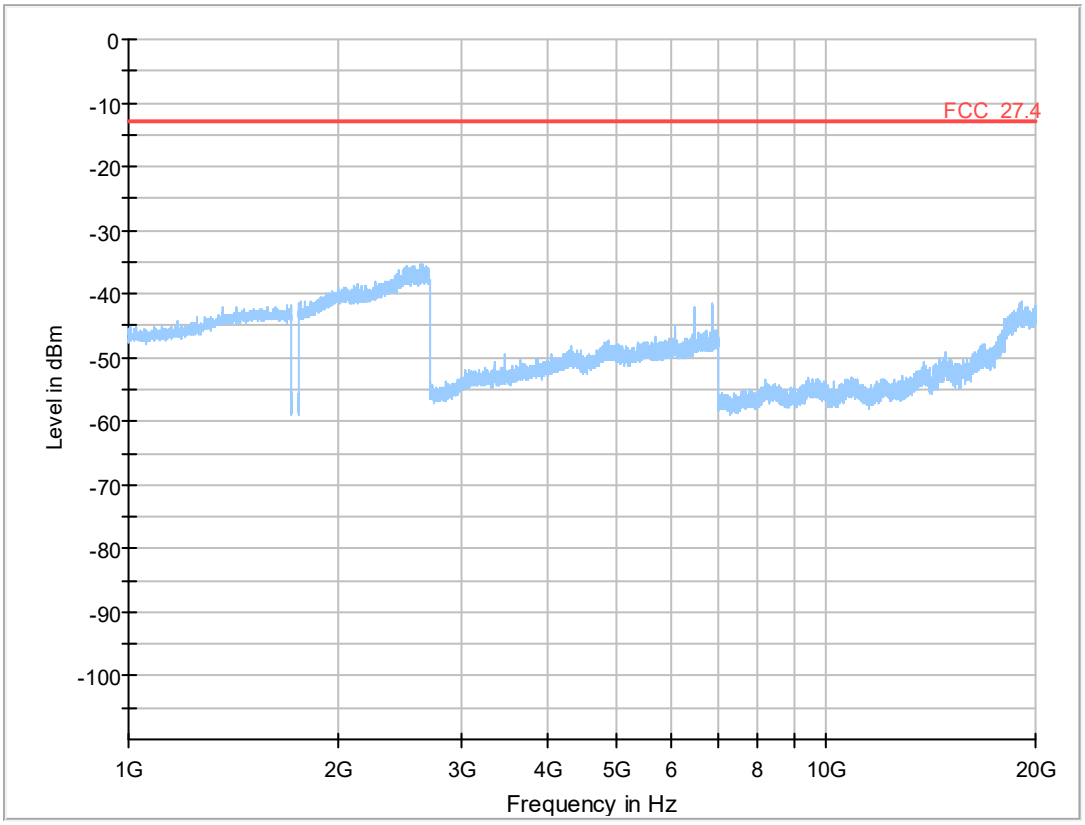
Test: 27.4; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 10:16	FCC part 2 and 27

Test: 27.4; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 10:14	FCC part 2 and 27

Detailed Results:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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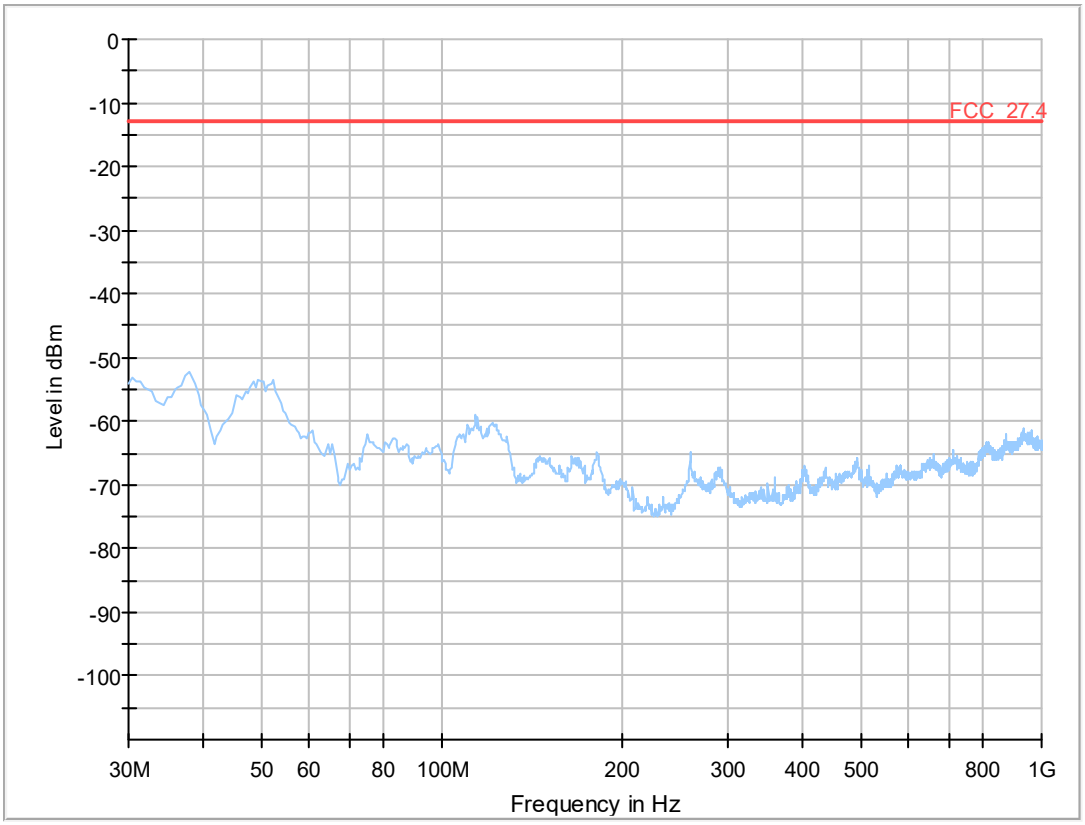

Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
---	---	---	---	---	---	---		---	---

(continuation of the "Critical_Freqs" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
---	---

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
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(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)
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Test: 27.4; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = radiated

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AQ04	2016/08/08 10:18	FCC part 2 and 27

3.5.19 27.5 Emission and Occupied Bandwidth §2.1049

Test: 27.5; Emission and Occupied Bandwidth Summary §2.1049

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 12:37	FCC part 2 and 27

Detailed Results:

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	Nominal BW [MHz]	26 dB BW [kHz]	99 % BW [kHz]
eFDD 4 QPSK	low	6	1.4	1.4	-	1112.2
eFDD 4 QPSK	mid	6	1.4	1.4	-	1112.2
eFDD 4 QPSK	high	6	1.4	1.4	-	1112.2
eFDD 4 16QAM	low	6	1.4	1.4	-	1118.2
eFDD 4 16QAM	mid	6	1.4	1.4	-	1106.2
eFDD 4 16QAM	high	6	1.4	1.4	-	1106.2
eFDD 4 QPSK	low	15	3	3	-	2765.5
eFDD 4 QPSK	mid	15	3	3	-	2765.5
eFDD 4 QPSK	high	15	3	3	-	2765.5
eFDD 4 16QAM	low	15	3	3	-	2777.6
eFDD 4 16QAM	mid	15	3	3	-	2753.6
eFDD 4 16QAM	high	15	3	3	-	2777.6
eFDD 4 QPSK	low	25	5	5	-	4549.1
eFDD 4 QPSK	mid	25	5	5	-	4529.1
eFDD 4 QPSK	high	25	5	5	-	4509
eFDD 4 16QAM	low	25	5	5	-	4529.1
eFDD 4 16QAM	mid	25	5	5	-	4549.1
eFDD 4 16QAM	high	25	5	5	-	4549.1
eFDD 4 QPSK	low	50	10	10	-	9058.1
eFDD 4 QPSK	mid	50	10	10	-	9058.1
eFDD 4 QPSK	high	50	10	10	-	9018
eFDD 4 16QAM	low	50	10	10	-	9058.1
eFDD 4 16QAM	mid	50	10	10	-	9058.1
eFDD 4 16QAM	high	50	10	10	-	9058.1
eFDD 4 QPSK	low	75	15	15	-	13527.1
eFDD 4 QPSK	mid	75	15	15	-	13587.2
eFDD 4 QPSK	high	75	15	15	-	13647.3
eFDD 4 16QAM	low	75	15	15	-	13587.2
eFDD 4 16QAM	mid	75	15	15	-	13647.3
eFDD 4 16QAM	high	75	15	15	-	13647.3
eFDD 4 QPSK	low	100	20	20	-	18196.4
eFDD 4 QPSK	mid	100	20	20	-	18276.6
eFDD 4 QPSK	high	100	20	20	-	18116.2
eFDD 4 16QAM	low	100	20	20	-	18196.4
eFDD 4 16QAM	mid	100	20	20	-	18276.6
eFDD 4 16QAM	high	100	20	20	-	18276.6

Radio Technology	Channel	Ressource Blocks	Bandwidth (MHz)	Nominal BW [MHz]	26 dB BW [kHz]	99 % BW [kHz]
eFDD 12 QPSK	low	6	1.4	1.4	-	1112.2
eFDD 12 QPSK	mid	6	1.4	1.4	-	1118.2
eFDD 12 QPSK	high	6	1.4	1.4	-	1118.2
eFDD 12 16QAM	low	6	1.4	1.4	-	1118.2
eFDD 12 16QAM	mid	6	1.4	1.4	-	1100.2
eFDD 12 16QAM	high	6	1.4	1.4	-	1112.2
eFDD 12 QPSK	low	15	3	3	-	2765.5
eFDD 12 QPSK	mid	15	3	3	-	2765.5
eFDD 12 QPSK	high	15	3	3	-	2765.5
eFDD 12 16QAM	low	15	3	3	-	2765.5
eFDD 12 16QAM	mid	15	3	3	-	2753.5
eFDD 12 16QAM	high	15	3	3	-	2777.6
eFDD 12 QPSK	low	25	5	5	-	4529.1
eFDD 12 QPSK	mid	25	5	5	-	4549.1
eFDD 12 QPSK	high	25	5	5	-	4529.1
eFDD 12 16QAM	low	25	5	5	-	4529.1
eFDD 12 16QAM	mid	25	5	5	-	4549.1
eFDD 12 16QAM	high	25	5	5	-	4549.1
eFDD 12 QPSK	low	50	10	10	-	9098.2
eFDD 12 QPSK	mid	50	10	10	-	9018
eFDD 12 QPSK	high	50	10	10	-	9018
eFDD 12 16QAM	low	50	10	10	-	9058.1
eFDD 12 16QAM	mid	50	10	10	-	9058.1
eFDD 12 16QAM	high	50	10	10	-	9018

Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:41	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:42	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:42	FCC part 2 and 27

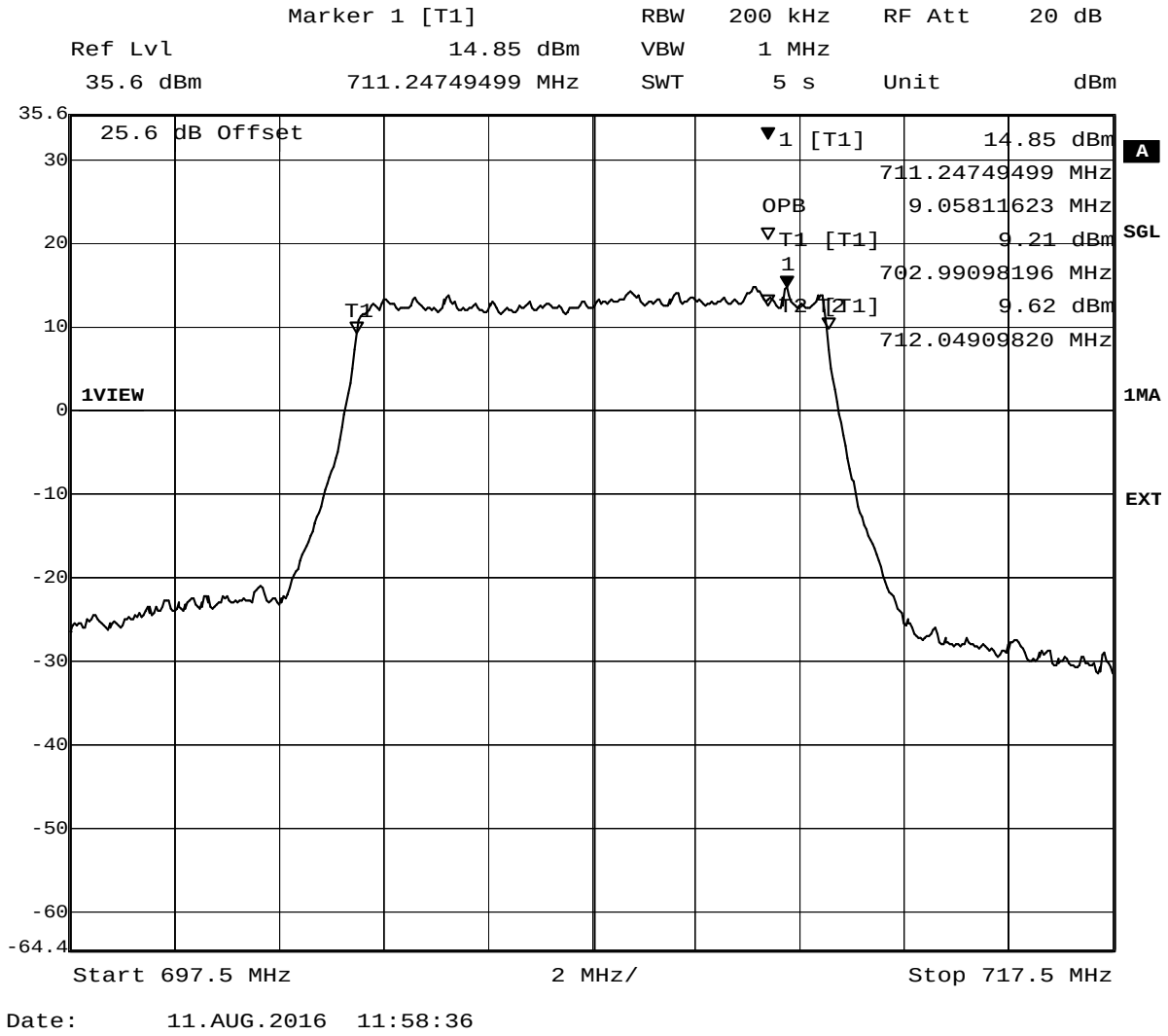
Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:00	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:59	FCC part 2 and 27

Detailed Results:



Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:01	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:53	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:53	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:52	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:57	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:56	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:57	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:43	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:39	FCC part 2 and 27

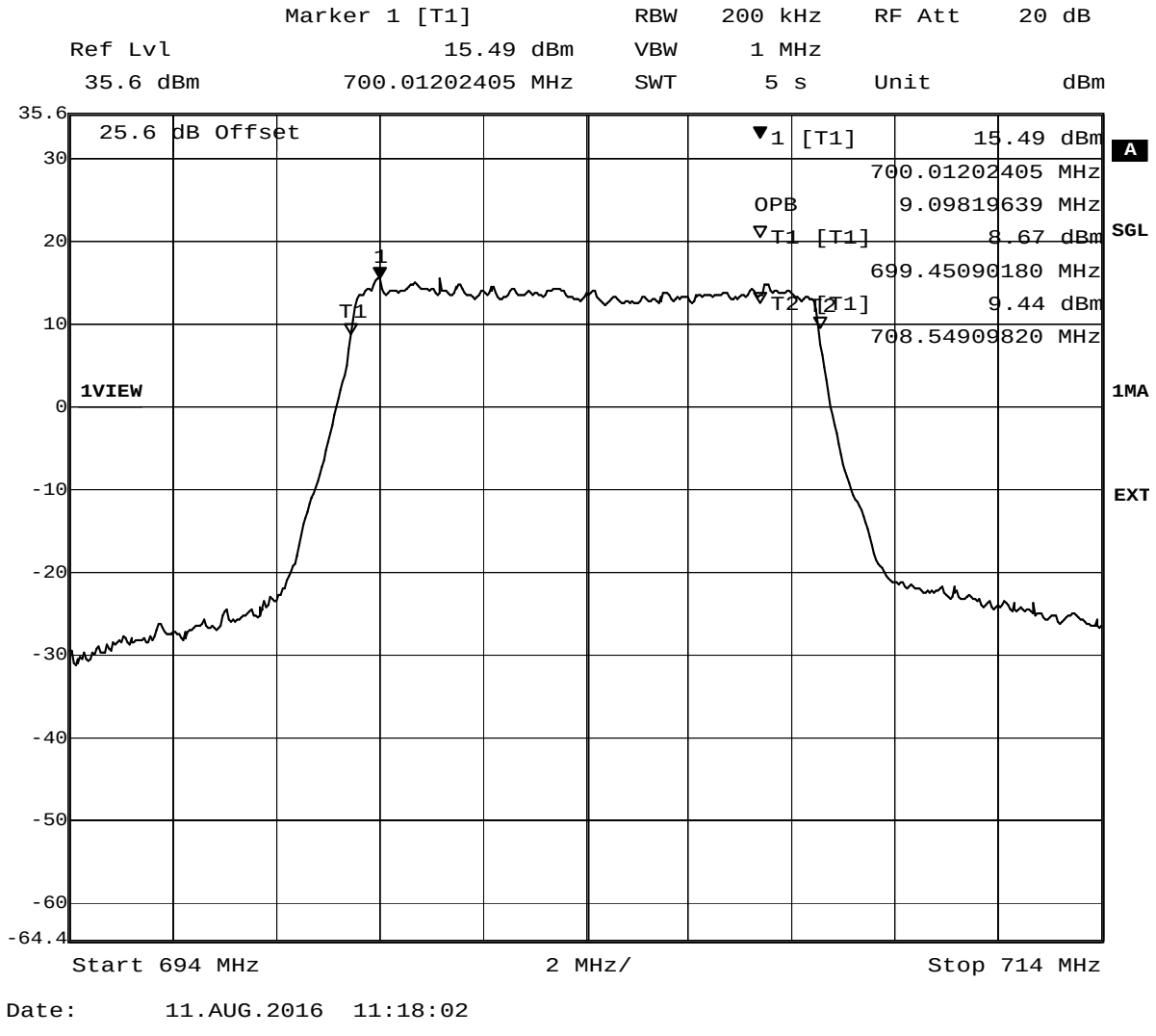
Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:43	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:58	FCC part 2 and 27

Detailed Results:



Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:58	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:59	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:46	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:45	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:46	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:55	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23095, Frequency = 707.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:54	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:55	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 19957, Frequency = 1710.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:14	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:13	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:14	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:28	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:30	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:29	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:34	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:33	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:32	FCC part 2 and 27

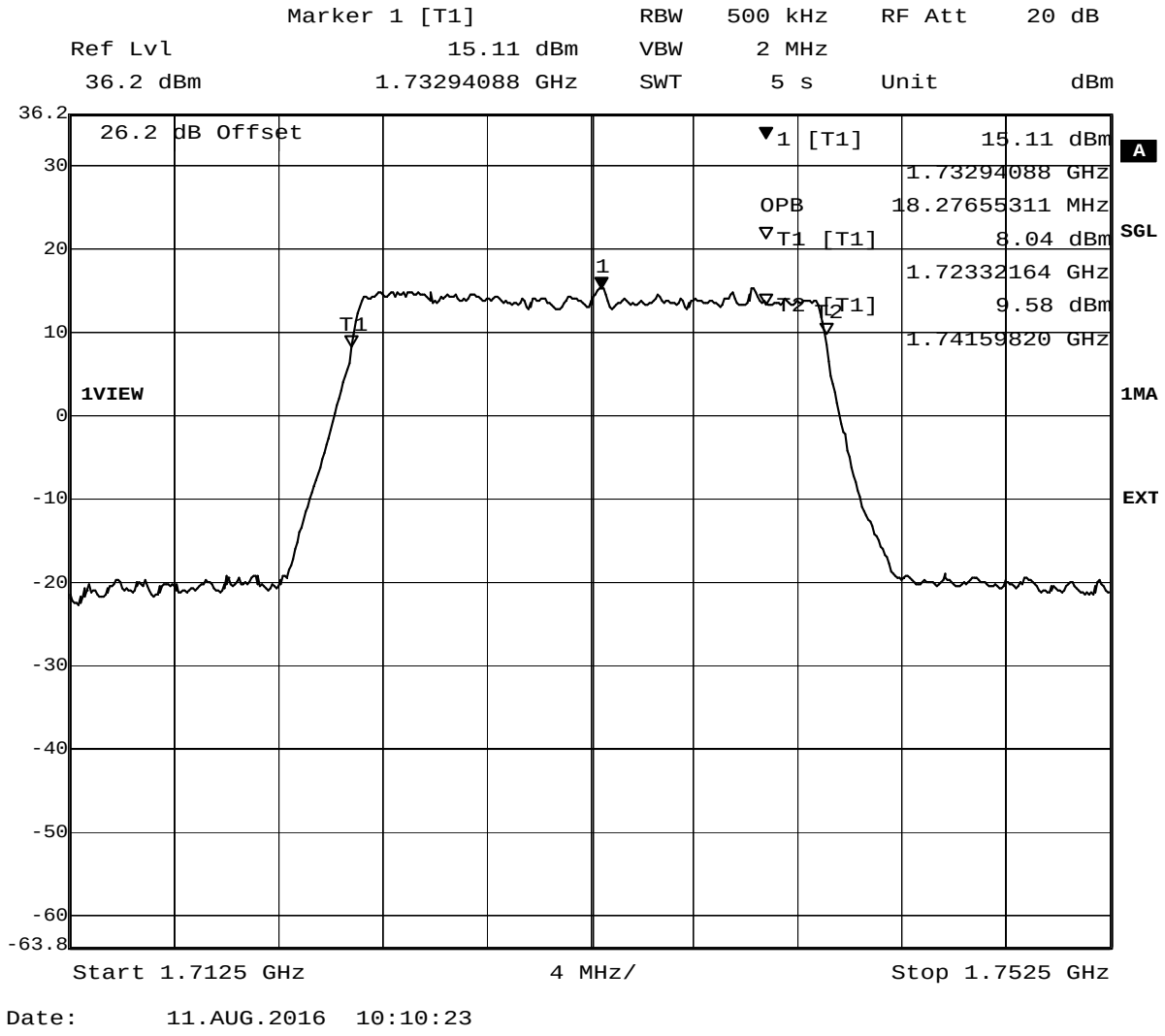
Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:37	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:36	FCC part 2 and 27

Detailed Results:



Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:38	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:17	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:18	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:20	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:23	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:22	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:25	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 19957, Frequency = 1710.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:19	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:12	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:14	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:27	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:29	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:29	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:33	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:34	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:31	FCC part 2 and 27

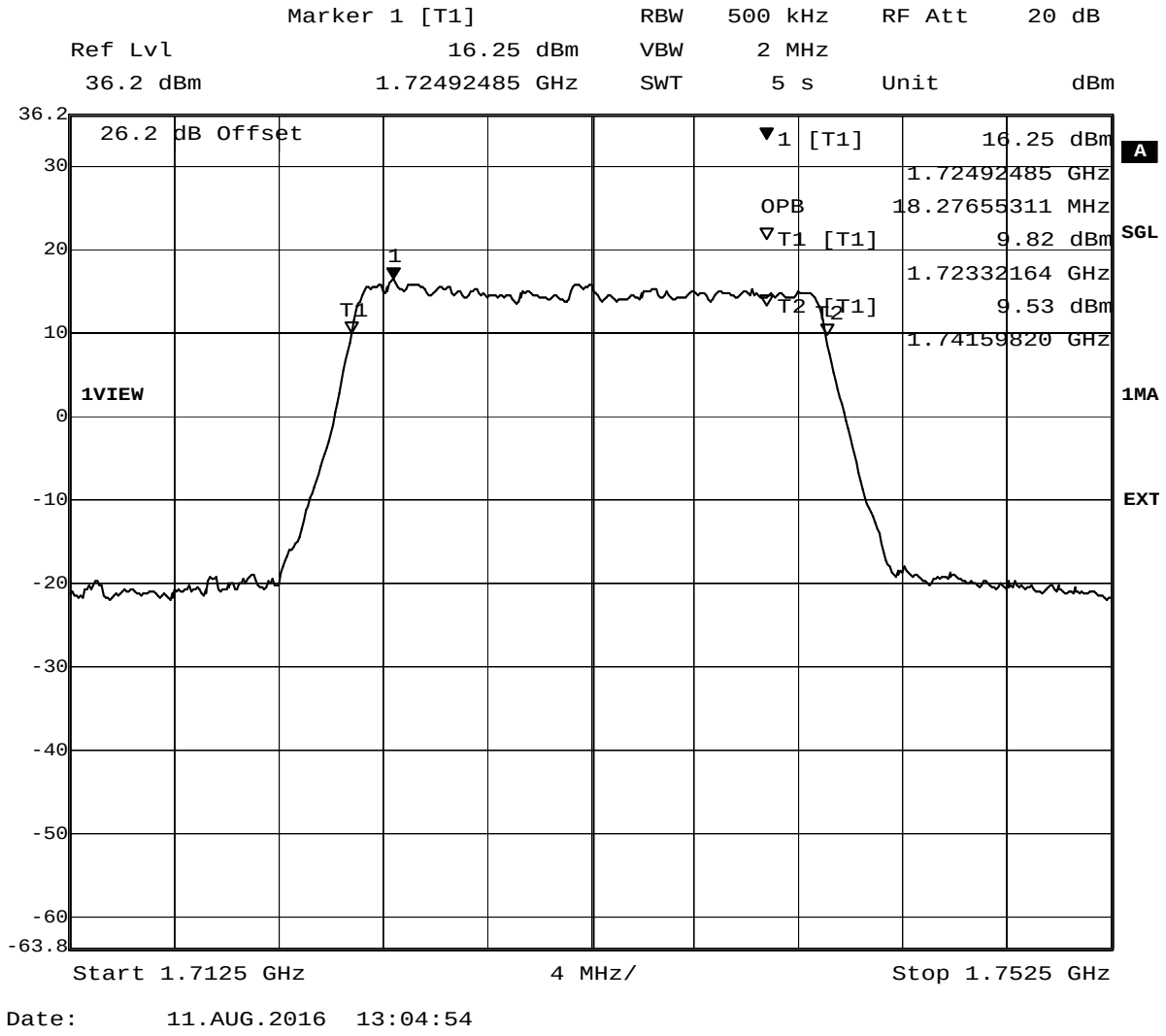
Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:36	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:35	FCC part 2 and 27

Detailed Results:



Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:37	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:18	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:15	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:19	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:21	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20175, Frequency = 1732.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:24	FCC part 2 and 27

Test: 27.5; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 10:24	FCC part 2 and 27

3.5.20 27.6 Band edge compliance §2.1053, §27.53

Test: 27.6; Band edge compliance summary §2.1053, §27.53

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/26 12:42	FCC part 2 and 27

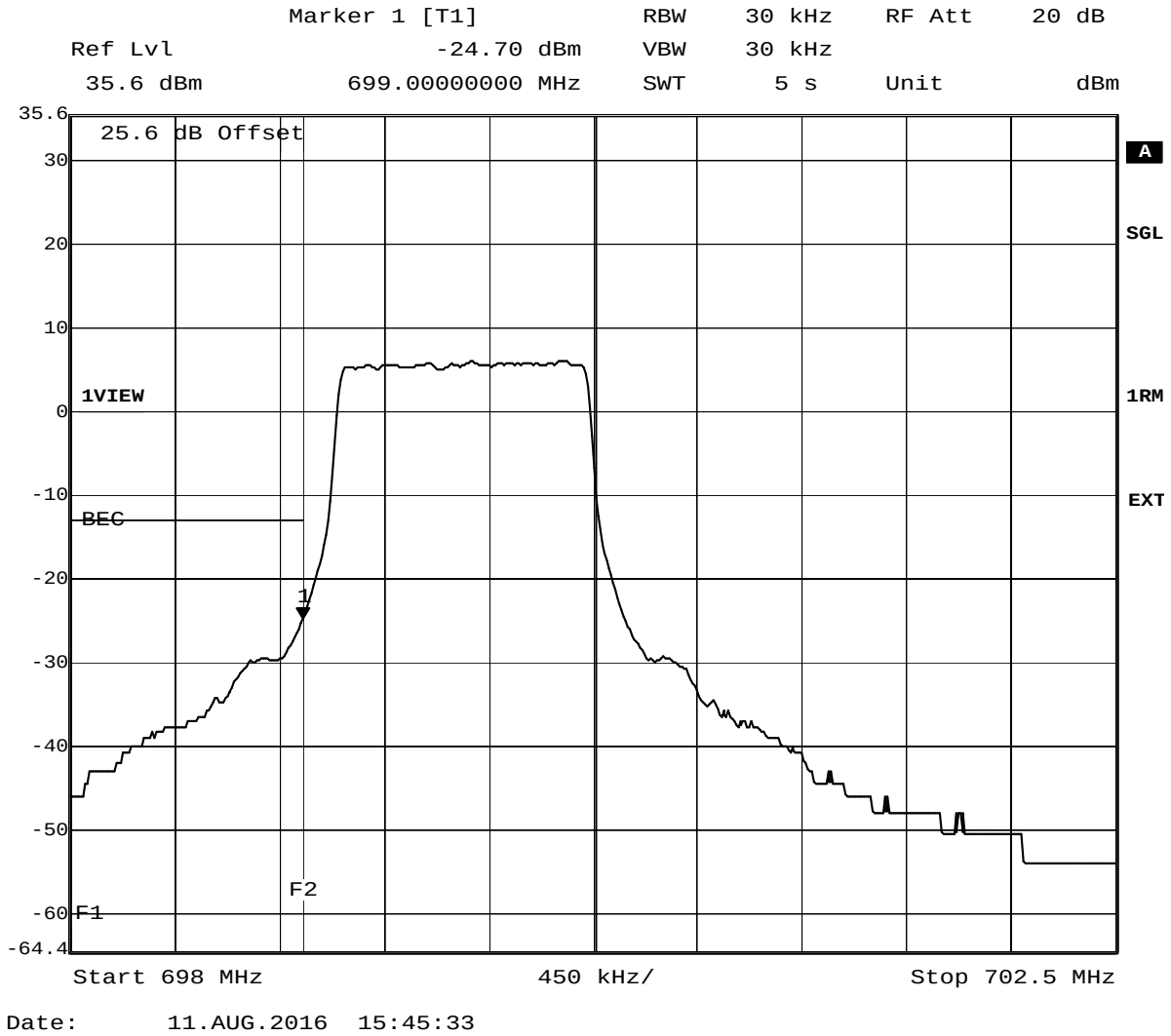
Detailed Results:

Radio Technology	Channel	Nominal BW	Ressource Blocks	Peak [dBm]	Average [dBm]	RMS [dBm]	Limit /dBm	Margin to Limit /dB
eFDD 4 QPSK	low	1.4	6	-17.34	-28.58	-27	-13	14
eFDD 4 QPSK	high	1.4	6	-17.43	-29.64	-27.87	-13	14.87
eFDD 4 16QAM	low	1.4	6	-17.01	-29.92	-27.87	-13	14.87
eFDD 4 16QAM	high	1.4	6	-19.88	-30.52	-28.84	-13	15.84
eFDD 4 QPSK	low	3	15	-16.45	-32.23	-29.36	-13	16.36
eFDD 4 QPSK	high	3	15	-18.13	-33.44	-30.52	-13	17.52
eFDD 4 16QAM	low	3	15	-17.86	-32.62	-29.64	-13	16.64
eFDD 4 16QAM	high	3	15	-18.45	-33.89	-30.84	-13	17.84
eFDD 4 QPSK	low	5	25	-14.93	-34.36	-29.92	-13	16.92
eFDD 4 QPSK	high	5	25	-15.55	-35.38	-31.51	-13	18.51
eFDD 4 16QAM	low	5	25	-13.92	-31.86	-27.87	-13	14.87
eFDD 4 16QAM	high	5	25	-16.92	-34.86	-30.52	-13	17.52
eFDD 4 QPSK	low	10	50	-16.04	-37.19	-32.62	-13	19.62
eFDD 4 QPSK	high	10	50	-15.59	-37.19	-32.62	-13	19.62
eFDD 4 16QAM	low	10	50	-16.72	-37.88	-33.44	-13	20.44
eFDD 4 16QAM	high	10	50	-14.78	-36.54	-32.23	-13	19.23
eFDD 4 QPSK	low	15	75	-10.5	-36.54	-31.86	-13	18.86
eFDD 4 QPSK	high	15	75	-11.75	-33.02	-29.36	-13	16.36
eFDD 4 16QAM	low	15	75	-11.99	-36.54	-30.52	-13	17.52
eFDD 4 16QAM	high	15	75	-10.75	-32.62	-29.1	-13	16.1
eFDD 4 QPSK	low	20	100	-16.3	-37.88	-33.89	-13	20.89
eFDD 4 QPSK	high	20	100	-15	-33.44	-31.17	-13	18.17
eFDD 4 16QAM	low	20	100	-16.66	-37.88	-33.89	-13	20.89
eFDD 4 16QAM	high	20	100	-12.07	-32.62	-30.22	-13	17.22
eFDD 12 QPSK	low	1.4	6	-12.65	-26.71	-24.26	-13	11.26
eFDD 12 QPSK	high	1.4	6	-13.09	-26.9	-24.7	-13	11.7
eFDD 12 16QAM	low	1.4	6	-10.63	-27.3	-24.7	-13	11.7
eFDD 12 16QAM	high	1.4	6	-13.57	-27.71	-25.48	-13	12.48
eFDD 12 QPSK	low	3	15	-15.69	-30.72	-28.14	-13	15.14
eFDD 12 QPSK	high	3	15	-17.17	-31.67	-29.6	-13	16.6
eFDD 12 16QAM	low	3	15	-17.29	-31.34	-28.84	-13	15.84
eFDD 12 16QAM	high	3	15	-17.51	-32.01	-30.14	-13	17.14
eFDD 12 QPSK	low	5	25	-14.41	-32.36	-29.08	-13	16.08
eFDD 12 QPSK	high	5	25	-15.28	-33.12	-30.42	-13	17.42
eFDD 12 16QAM	low	5	25	-17.48	-33.94	-31.02	-13	18.02
eFDD 12 16QAM	high	5	25	-16.5	-33.52	-30.72	-13	17.72
eFDD 12 QPSK	low	10	50	-7.5	-29.34	-26.34	-13	13.34
eFDD 12 QPSK	high	10	50	-10.22	-32.01	-29.08	-13	16.08
eFDD 12 16QAM	low	10	50	-9.84	-31.02	-27.92	-13	14.92
eFDD 12 16QAM	high	10	50	-11.92	-32.01	-29.08	-13	16.08

Test: 27.6; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:31	FCC part 2 and 27

Detailed Results:



Test: 27.6; Frequency Band = eFDD12, Mode = 16QAM 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:33	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:33	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD12, Mode = 16QAM 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:34	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:34	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD12, Mode = 16QAM 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:34	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:35	FCC part 2 and 27

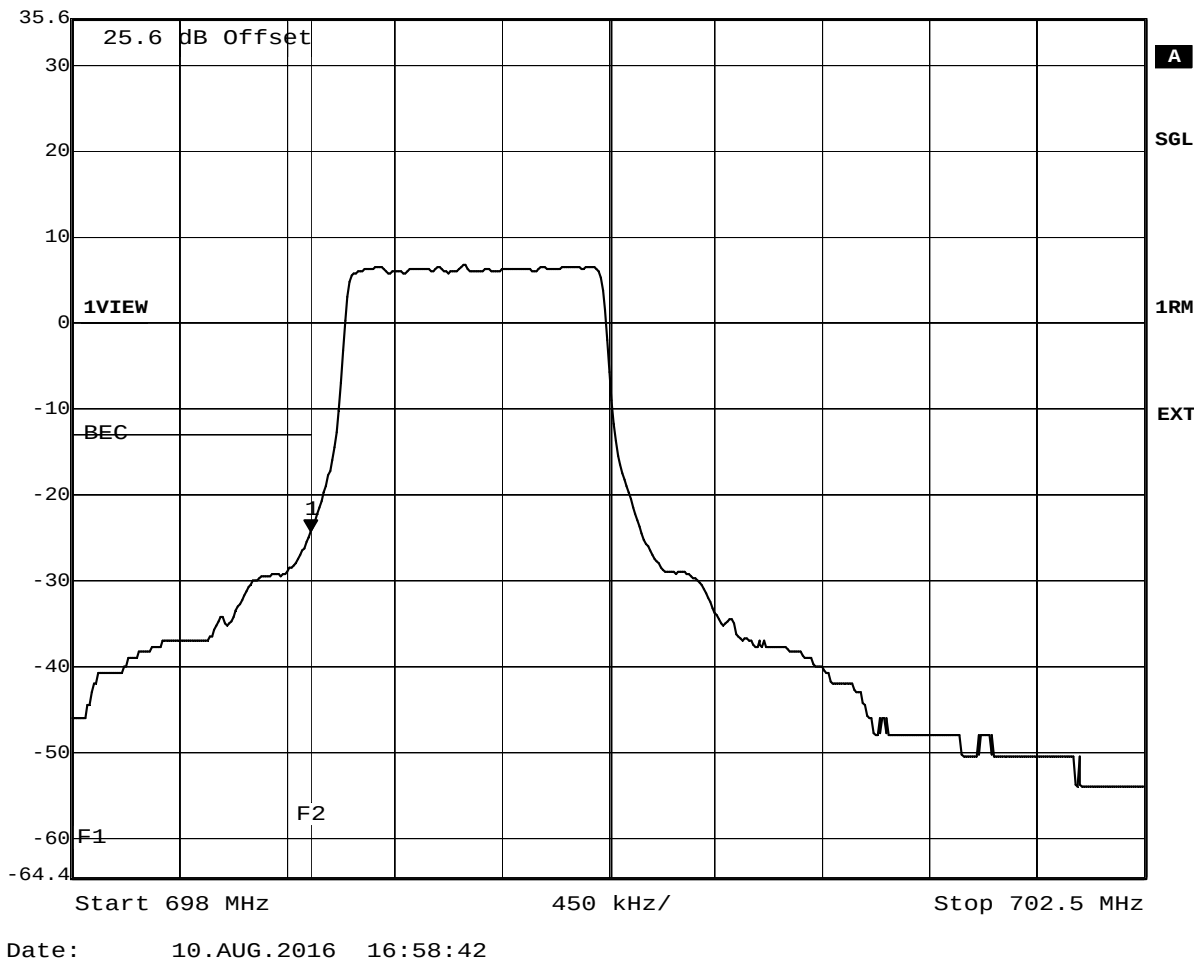
Test: 27.6; Frequency Band = eFDD12, Mode = 16QAM 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:35	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23017, Frequency = 699.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:32	FCC part 2 and 27

Detailed Results:



Test: 27.6; Frequency Band = eFDD12, Mode = QPSK 1.4MHz, Channel = 23173, Frequency = 715.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:38	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23060, Frequency = 704MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:37	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD12, Mode = QPSK 10MHz, Channel = 23130, Frequency = 711MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:37	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23025, Frequency = 700.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:37	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD12, Mode = QPSK 3MHz, Channel = 23165, Frequency = 714.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:36	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23035, Frequency = 701.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:36	FCC part 2 and 27

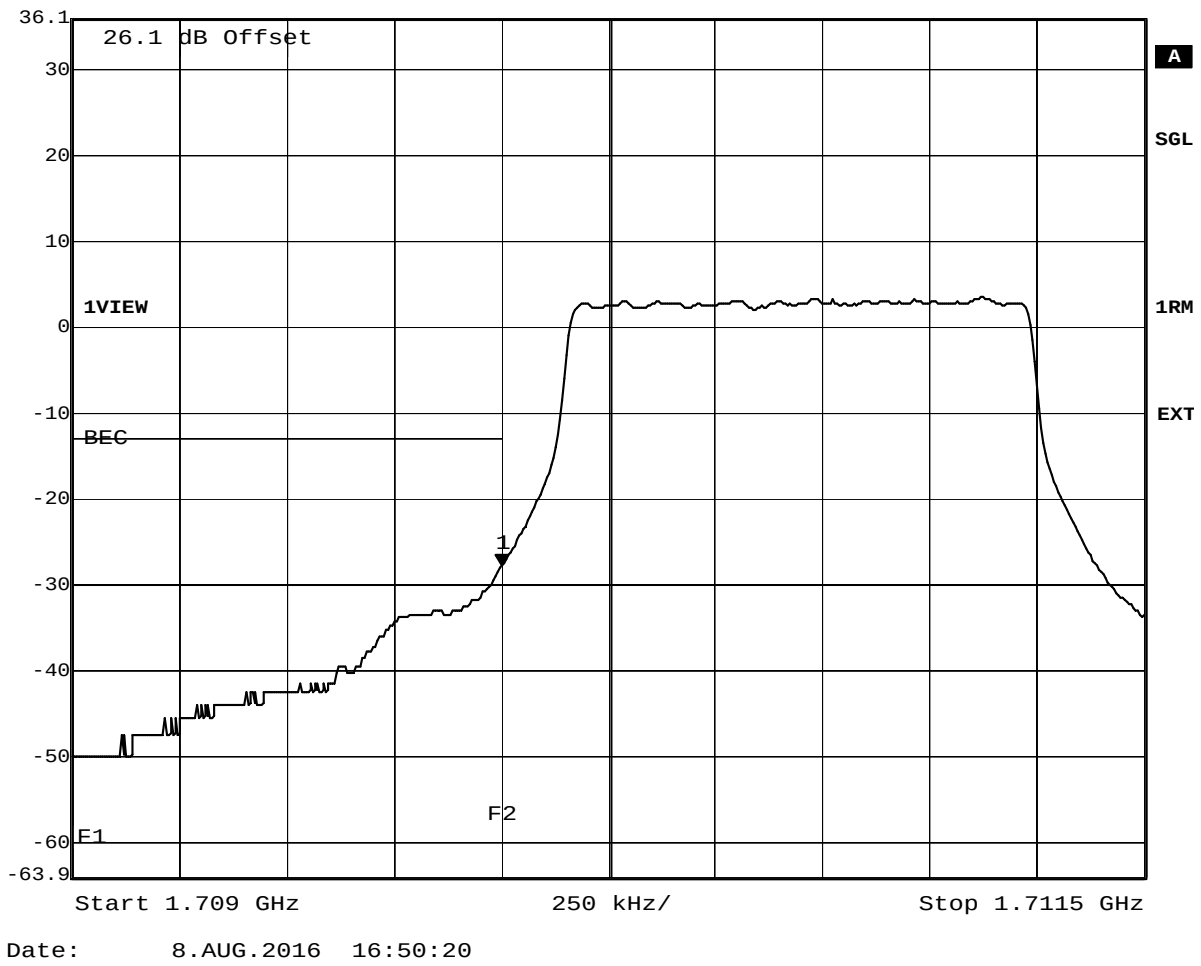
Test: 27.6; Frequency Band = eFDD12, Mode = QPSK 5MHz, Channel = 23155, Frequency = 713.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:35	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 19957, Frequency = 1710.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:14	FCC part 2 and 27

Detailed Results:



Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:21	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:27	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:28	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:29	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:27	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:26	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:25	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:23	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:22	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:24	FCC part 2 and 27

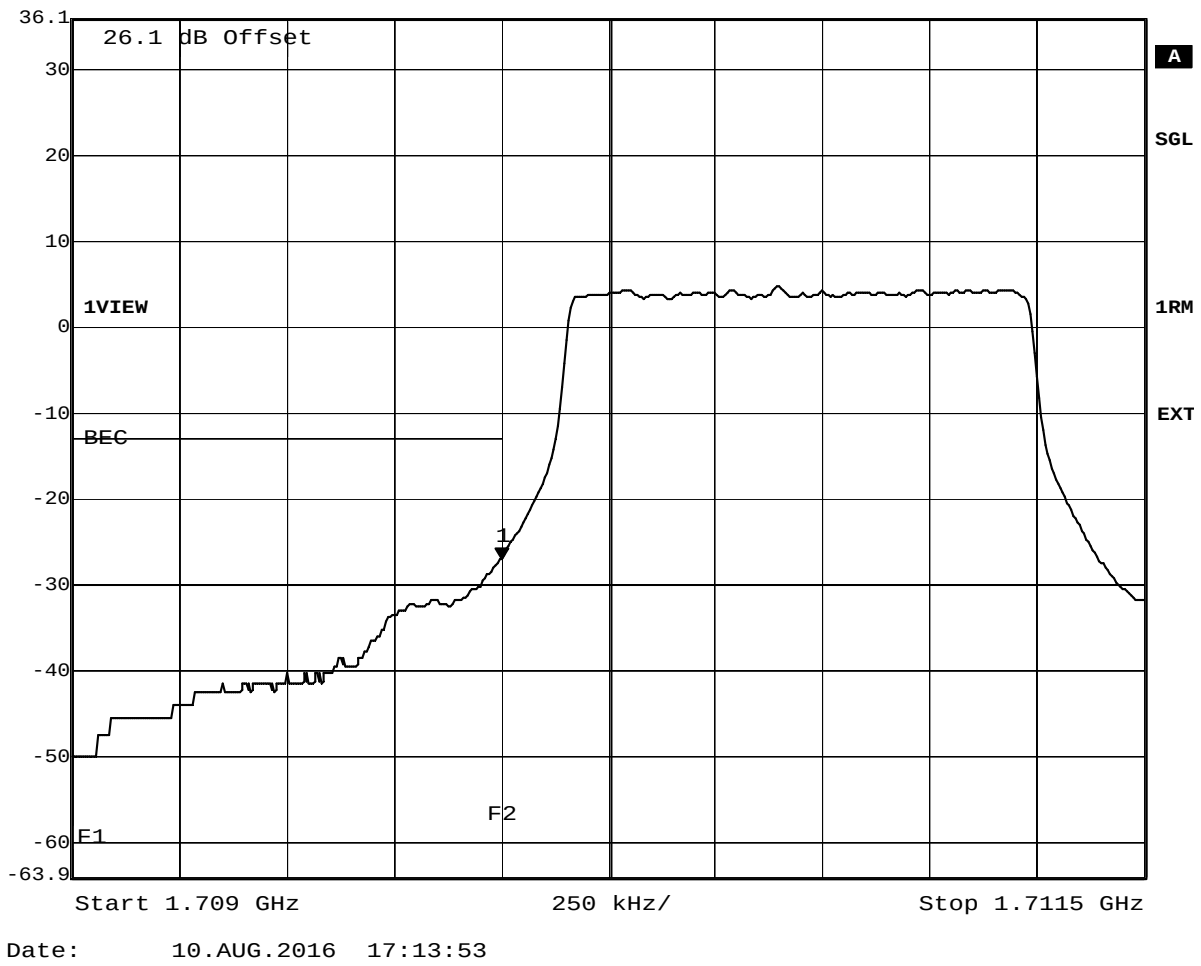
Test: 27.6; Frequency Band = eFDD4, Mode = 16QAM 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:23	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 19957, Frequency = 1710.7MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:20	FCC part 2 and 27

Detailed Results:



Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 1.4MHz, Channel = 20393, Frequency = 1754.3MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:21	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20000, Frequency = 1715MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:23	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 10MHz, Channel = 20350, Frequency = 1750MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:28	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20025, Frequency = 1717.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:28	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 15MHz, Channel = 20325, Frequency = 1747.50MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:29	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20050, Frequency = 1720MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:26	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 20MHz, Channel = 20300, Frequency = 1745MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:25	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 19965, Frequency = 1711.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:21	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 3MHz, Channel = 20385, Frequency = 1753.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:22	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 19975, Frequency = 1712.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:24	FCC part 2 and 27

Test: 27.6; Frequency Band = eFDD4, Mode = QPSK 5MHz, Channel = 20375, Frequency = 1752.5MHz, Method = conducted

Result	*Setup No.*	*Date of Test*	*Test Specification:*
Passed	S01_AF03	2016/08/11 11:24	FCC part 2 and 27

4 Test Equipment Details

4.1 List of Used Test Equipment

The calibration, hardware and software states are shown for the testing period.

Test Equipment Anechoic Chamber

Lab ID:	**Lab 1**		
Description:	Anechoic Chamber for radiated testing		
	Calibration Details	*Last Execution*	*Next Execution*
	NSA (FCC)	2014/01/09	2017/01/09

Single Devices for Anechoic Chamber

Single Device Name	*Type*	*Serial Number*	*Manufacturer*
Air compressor	none	-	
Anechoic Chamber	10.58 x 6.38 x 6.00 m³	none	
	Calibration Details	*Last Execution*	*Next Execution*
	FCC listing 96716 3m Part15/18	2014/01/09	2017/01/08
Anechoic Chamber	8.8m x 4.6m x 4.05 m	B83117-S40-X191	Albatross Projects GmbH
Controller Maturo	MCU	961208	Maturo GmbH
EMC camera	CE-CAM/1	-	
EMC camera Nr.2	CCD-400E	0005033	
Filter ISDN	B84312-C110-E1		
Filter Universal 1A	BB4312-C30-H3	-	

Test Equipment Auxiliary Equipment for Radiated emissions

Lab ID:	**Lab 1**
Description:	Equipment for emission measurements
Serial Number:	see single devices

Single Devices for Auxiliary Equipment for Radiated emissions

Single Device Name	*Type*	*Serial Number*	*Manufacturer*
Antenna mast	AM 4.0	AM4.0/180/11920 513	Maturo GmbH
Biconical Broadband Antenna	SBA 9119	9119-005	
Biconical dipole	VUBA 9117	9117-108	
Broadband Amplifier 1 GHz - 4 GHz	AFS4-01000400-1Q-10P-4	-	
Broadband Amplifier 18 GHz - 26 GHz	JS4-18002600-32-5P	849785	
Broadband Amplifier 30 MHz - 18 GHz	JS4-00101800-35-5P	896037	
Cable "ESI to EMI Antenna"	EcoFlex10	W18.01-2+W38.01-2	
Cable "ESI to Horn Antenna"	SucoFlex	W18.02-2+W38.02-2	
Double-ridged horn	HF 906	357357/002	Rohde & Schwarz GmbH & Co. KG
	Calibration Details		*Last Execution* *Next Execution*
	Standard Calibration		2015/06/23 2018/06/22
Double-ridged horn	HF 907	102444	Rohde & Schwarz GmbH & Co. KG
	Calibration Details		*Last Execution* *Next Execution*
	Standard Calibration		2015/05/11 2018/05/10
Double-ridged horn-duplicated 2015-07-15 10:47:55	HF 906	357357/001	Rohde & Schwarz GmbH & Co. KG
High Pass Filter	4HC1600/12750-1.5-KK	9942011	
High Pass Filter	5HC2700/12750-1.5-KK	9942012	
High Pass Filter	5HC3500/18000-1.2-KK	200035008	
High Pass Filter	WHKX 7.0/18G-8SS	09	
Horn Antenna Schwarzbeck 15-26.5 GHz BBHA 9170	BBHA 9170	BBHA9170262	
Log.-per. Antenna	HL 562 Ultralog	100609	Rohde & Schwarz GmbH & Co. KG
Log.-per. Antenna (upgraded)	HL 562 Ultralog new biconicals	830547/003	Rohde & Schwarz GmbH & Co. KG
	Calibration Details		*Last Execution* *Next Execution*
	Standard Calibration		2015/06/30 2018/06/29
Loop Antenna	HFH2-Z2	829324/006	Rohde & Schwarz GmbH & Co. KG
	Calibration Details		*Last Execution* *Next Execution*
	DKD Calibration		2014/11/27 2017/11/27

Single Devices for Auxiliary Equipment for Radiated emissions (continued)

Single Device Name	*Type*	*Serial Number*	*Manufacturer*
Standard Gain / Pyramidal Horn Antenna 40 GHz	3160-10	00086675	
Tilt device Maturo (Rohacell)	Antrieb TD1.5-10kg	TD1.5-10kg/024/3790709	Maturo GmbH

Test Equipment Auxiliary Test Equipment

Lab ID:	**Lab 1, Lab 2**
Description:	Single Devices for various Test Equipment
Type:	various
Serial Number:	none

Single Devices for Auxiliary Test Equipment

Single Device Name	*Type*	*Serial Number*	*Manufacturer*	
Broadband Power Divider N (Aux)	1506A / 93459	LM390		
Broadband Power Divider SMA	WA1515	A855		
Digital Multimeter 03 (Multimeter)	Fluke 177	86670383		
	Calibration Details		*Last Execution*	*Next Execution*
	DAkkS Calibration		2016/02/04	2018/02/28
Digital Multimeter 13 (Clamp Meter)	Fluke 325	31270091WS	FLUKE	
	Calibration Details		*Last Execution*	*Next Execution*
	DAkkS-Calibration		2016/02/04	2019/02/28
Fibre optic link Satellite (Aux)	FO RS232 Link	181-018		
Fibre optic link Transceiver (Aux)	FO RS232 Link	182-018		
Isolating Transformer	LTS 604	1888		
Notch Filter Ultra Stable (Aux)	WRCA800/960-6EEK	24		
Signal Analyzer	FSV30	103005	Rohde & Schwarz GmbH & Co. KG	
	Calibration Details		*Last Execution*	*Next Execution*
	DKD calibration		2016/02/25	2018/02/24
Spectrum Analyser	FSU26	200418		
	Calibration Details		*Last Execution*	*Next Execution*
	Standard calibration		2015/10/20	2016/10/19
Spectrum Analyzer	FSP3	836722/011	Rohde & Schwarz GmbH & Co. KG	
	Calibration Details		*Last Execution*	*Next Execution*
	DKD calibration		2015/06/23	2018/06/22
Vector Signal Generator	SMIQ 03B	832492/061		

Test Equipment Digital Signalling Devices

Lab ID: **Lab 1, Lab 2**
Description: Signalling equipment for various wireless technologies.

Single Devices for Digital Signalling Devices

Single Device Name	*Type*	*Serial Number*	*Manufacturer*	
CMW500	CMW500	107500		
	Calibration Details		*Last Execution*	*Next Execution*
	Standard calibration		2015/07/13	2017/07/14
Digital Radio Communication Tester	CMD 55	831050/020	Rohde & Schwarz GmbH & Co. KG	
	Calibration Details		*Last Execution*	*Next Execution*
	DKD calibration		2014/12/02	2017/12/01
Universal Radio Communication Tester	CMU 200	837983/052	Rohde & Schwarz GmbH & Co. KG	
	Calibration Details		*Last Execution*	*Next Execution*
	DKD calibration		2014/12/03	2017/12/02
	HW/SW Status		*Date of Start*	*Date of End*
	HW options: B11, B21V14, B21-2, B41, B52V14, B52-2, B53-2, B54V14, B56V14, B68 3v04, B95, PCMCIA, U65V02 SW options: K21 4v11, K22 4v11, K23 4v11, K24 4v11, K27 4v10, K28 4v10, K42 4v11, K43 4v11, K53 4v10, K65 4v10, K66 4v10, K68 4v10, Firmware: µP1 8v40 01.12.05 --- SW: K62, K69		2007/01/02 2008/11/03	
Vector Signal Generator	SMU200A	100912	Rohde & Schwarz GmbH & Co. KG	

Test Equipment Emission measurement devices

Lab ID:	**Lab 1**
Description:	Equipment for emission measurements
Serial Number:	see single devices

Single Devices for Emission measurement devices

Single Device Name	*Type*	*Serial Number*	*Manufacturer*	
EMI Receiver / Spectrum Analyzer	ESR 7	101424		
	Calibration Details		*Last Execution*	*Next Execution*
	Initial Factory Calibration		2014/11/13	2016/11/12
Personal Computer	Dell	30304832059		
Power Meter	NRVD	828110/016		
	Calibration Details		*Last Execution*	*Next Execution*
	Standard calibration		2016/05/24	2017/05/23
Sensor Head A	NRV-Z1	827753/005		
	Calibration Details		*Last Execution*	*Next Execution*
	Standard calibration		2016/05/27	2017/05/26
Signal Generator	SMR 20	846834/008	Rohde & Schwarz GmbH & Co. KG	
	Calibration Details		*Last Execution*	*Next Execution*
	Standard Calibration		2014/06/24	2017/06/23
Spectrum Analyzer	ESIB 26	830482/004	Rohde & Schwarz GmbH & Co. KG	
	Calibration Details		*Last Execution*	*Next Execution*
	DAkkS Calibration (DK)		2015/12/09	2017/12/08
	HW/SW Status		*Date of Start*	*Date of End*
	Firmware-Update 4.34.4 from 3.45 during calibration		2009/12/03	
Spectrum Analyzer	FSW 43	103779		
	Calibration Details		*Last Execution*	*Next Execution*
	Initial Factory Calibration		2014/11/17	2016/11/16

Test Equipment Multimeter 03

Lab ID:	**Lab 1, Lab 2**
Description:	Fluke 177
Serial Number:	86670383

Single Devices for Multimeter 03

Single Device Name	*Type*	*Serial Number*	*Manufacturer*	
Digital Multimeter 03 (Multimeter)	Fluke 177	86670383		
	Calibration Details		*Last Execution*	*Next Execution*
	DAkkS Calibration		2016/02/04	2018/02/28

Test Equipment Radio Lab Test Equipment

Lab ID: **Lab 2**
Description: Radio Lab Test Equipment

Single Devices for Radio Lab Test Equipment

Single Device Name	*Type*	*Serial Number*	*Manufacturer*	
Broadband Power Divider SMA	WA1515	A856		
Coax Attenuator 10dB SMA 2W	4T-10	F9401		
Coax Attenuator 10dB SMA 2W	56-10	W3702		
Coax Attenuator 10dB SMA 2W	56-10	W3711		
Coax Cable Huber&Suhner	Sucotest 2,0m		Huber&Suhner	
Coax Cable Rosenberger Micro Coax FA210A0010003030 SMA/SMA 1,0m	FA210A0010003030	54491-2		
Power Meter	NRVD	828110/016		
	Calibration Details		*Last Execution*	*Next Execution*
	Standard calibration		2016/05/24	2017/05/23
RF Step Attenuator RSP	RSP	833695/001		
Rubidium Frequency Standard	Datum, Model: MFS	5489/001		
	Calibration Details		*Last Execution*	*Next Execution*
	DAkks Calibration		2016/06/22	2017/06/23
Sensor Head A	NRV-Z1	827753/005		
	Calibration Details		*Last Execution*	*Next Execution*
	Standard calibration		2016/05/27	2017/05/26
Signal Generator SME	SME03	827460/016		
	Calibration Details		*Last Execution*	*Next Execution*
	Standard calibration		2014/12/02	2017/12/01
Signal Generator SMP	SMP02	833286/0014	Rohde & Schwarz GmbH & Co. KG	
	Calibration Details		*Last Execution*	*Next Execution*
	Standard calibration		2016/05/24	2019/05/23

Test Equipment T/A Logger 13

Lab ID:	**Lab 1, Lab 2**
Description:	Lufft Opus10 TPR
Type:	Opus10 TPR
Serial Number:	13936

Single Devices for T/A Logger 13

Single Device Name	*Type*	*Serial Number*	*Manufacturer*
ThermoAirpressure Datalogger 13 (Environ)	Opus10 TPR (8253.00)	13936	

Calibration Details	*Last Execution*	*Next Execution*
Customized calibration	2015/02/27	2017/02/26

Test Equipment T/H Logger 03

Lab ID:	**Lab 2**
Description:	Lufft Opus10
Serial Number:	7482

Single Devices for T/H Logger 03

Single Device Name	*Type*	*Serial Number*	*Manufacturer*
ThermoHygro Datalogger 03 (Environ)	Opus10 THI (8152.00)	7482	

Calibration Details	*Last Execution*	*Next Execution*
Customized calibration	2015/02/27	2017/02/26

Test Equipment T/H Logger 12

Lab ID:	**Lab 1**
Description:	Lufft Opus10
Serial Number:	12482

Single Devices for T/H Logger 12

Single Device Name	*Type*	*Serial Number*	*Manufacturer*
ThermoHygro Datalogger 12 (Environ)	Opus10 THI (8152.00)	12482	

Calibration Details	*Last Execution*	*Next Execution*
Customized calibration	2015/03/10	2017/03/09

Test Equipment Temperature Chamber 05

Lab ID:	**Lab 2**
Description:	Temperature Chamber VT4002
Type:	Vötsch
Serial Number:	see single devices

Single Devices for Temperature Chamber 05

Single Device Name	*Type*	*Serial Number*	*Manufacturer*
Temperature Chamber Vötsch 05	VT 4002	58566080550010	

Calibration Details	*Last Execution*	*Next Execution*
Customized calibration	2016/03/09	2018/03/08

5 Annex

5.1 Additional Information for OUT Description

TEST MODE	TX / RX	RF Channel			TEST MODE	TX / RX	RF Channel		
		Low	Mid	High			Low	Mid	High
LTE eFDD 2	TX (1.4M)	18607	18900	19193	LTE eFDD 4	TX (1.4M)	19957	20175	20393
		1850.7 MHz	1880 MHz	1909.3 MHz			1710.7MHz	1732.5MHz	1754.3MHz
	TX (3M)	CH 18615	CH 18900	CH 19185		TX (3M)	CH 19965	CH 20175	CH 20385
		1851.5 MHz	1880 MHz	1908.5 MHz			1711.50 MHz	1732.50 MHz	1753.50 MHz
	TX (5M)	CH 18625	CH 18900	CH 19175		TX (5M)	CH 19975	CH 20175	CH 20375
		1852.5 MHz	1880 MHz	1907.5 MHz			1712.50 MHz	1732.50 MHz	1752.50 MHz
	TX (10)	CH 18650	CH 18900	CH 19150		TX (10)	CH 20000	CH 20175	CH 20350
		1855 MHz	1880 MHz	1905 MHz			1715.00 MHz	1732.50 MHz	1750.00 MHz
	TX (15M)	CH 18675	CH 18900	CH 19125		TX (15M)	CH 20025	CH 20175	CH 20325
		1857.5 MHz	1880 MHz	1902.5 MHz			1717.50 MHz	1732.50 MHz	1747.50 MHz
	TX (20M)	CH 18700	CH 18900	CH 19100		TX (20M)	CH 20050	CH 20175	CH 20300
		1860 MHz	1880 MHz	1900 MHz			1720.00 MHz	1732.50 MHz	1745.00 MHz
	RX (1.4M)	CH 607	CH 900	CH 1193		RX (1.4M)	CH 1957	CH 2175	CH 2393
		1930.7 MHz	1960 MHz	1989.3 MHz			2110.70 MHz	2132.50 MHz	2154.30 MHz
	RX (3M)	CH 615	CH 900	CH 1185		RX (3M)	CH 1965	CH 2175	CH 2385
		1931.5 MHz	1960 MHz	1988.5 MHz			2111.50 MHz	2132.50 MHz	2153.50 MHz
	RX (5M)	CH 625	CH 900	CH 1175		RX (5M)	CH 1975	CH 2175	CH 2375
		1932.50 MHz	1880.00 MHz	1987.5 MHz			2112.50 MHz	2132.50 MHz	2152.50 MHz
	RX (10M)	CH 650	CH 900	CH 1150		RX (10M)	CH 2000	CH 2175	CH 2350
		1935.00 MHz	1960.00 MHz	1985.00 MHz			2115.00 MHz	2132.50 MHz	2150.00 MHz
	RX (15M)	CH 675	CH 900	CH 1125		RX (15M)	CH 2025	CH 2175	CH 2325
		1937.50 MHz	1960.00 MHz	1982.50 MHz			2117.50 MHz	2132.50 MHz	2147.50 MHz
	RX (20M)	CH 700	CH 900	CH 1100		RX (20M)	CH 2050	CH 2175	CH 2300
		1940.00 MHz	1960.00 MHz	1980.00 MHz			2120.00 MHz	2132.50 MHz	2145.00 MHz
TEST MODE	TX / RX	RF Channel			TEST MODE	TX / RX	RF Channel		
		Low	Mid	High			Low	Mid	High
LTE eFDD 5	TX (1.4M)	20407	20525	20643	LTE eFDD 12	TX (1.4M)	CH 23017	CH 23095	CH 23173
		824.7	836.5	848.3			699.70 MHz	707.50 MHz	715.30 MHz
	TX (3M)	CH 20415	CH 20525	CH 20635		TX (3M)	CH 23025	CH 23095	CH 23165
		825.50 MHz	836.50 MHz	847.50 MHz			700.50 MHz	707.50 MHz	714.50 MHz
	TX (5M)	CH 20425	CH 20525	CH 20625		TX (5M)	CH 23035	CH 23095	CH 23155
		826.50 MHz	836.50 MHz	846.50 MHz			701.50 MHz	707.50 MHz	713.50 MHz
	TX (10)	CH 20450	CH 20525	CH 20600		TX (10)	CH 23060	CH 23095	CH 23130
		829.00 MHz	836.50 MHz	844.00 MHz			704.00 MHz	707.50 MHz	711.00 MHz
	RX (1.4M)	CH 2407	CH 20525	CH 2643		RX (1.4M)	CH 5017	CH 5095	CH 5173
		869.70 MHz	881.50 MHz	893.70 MHz			729.70 MHz	737.50 MHz	745.30 MHz
	RX (3M)	CH 2415	CH 20525	CH 2635		RX (3M)	CH 5025	CH 5095	CH 5165
		870.50 MHz	881.50 MHz	892.50 MHz			730.50 MHz	737.50 MHz	744.50 MHz
	RX (5M)	CH 2425	CH 2525	CH 2625		RX (5M)	CH 5035	CH 5095	CH 5155
		871.50 MHz	881.50 MHz	891.50 MHz			731.50 MHz	737.50 MHz	743.50 MHz
	RX (10M)	CH 2450	CH 2525	CH 2600		RX (10M)	CH 5060	CH 5095	CH 5130
		874.00 MHz	881.50 MHz	889.00 MHz			734.00 MHz	737.50 MHz	741.00 MHz

just a test

5.2 Additional Information for Report

Summary of Test Results

The EUT complied with all performed tests as listed in the summary section of this report.

Technical Report Summary

Type of Authorization :

Certification for a GSM/WCDMA/CDMA2000 cellular radiotelephone device

Applicable FCC Rules

Prepared in accordance with the requirements of FCC Rules and Regulations as listed in 47 CFR Ch.1 Parts 0 to 69. The following subparts are applicable to the results in this test report.

Part 2, Subpart J - Equipment Authorization Procedures, Certification

§ 2.1046 Measurement required: RF power output
§ 2.1049 Measurement required: Occupied bandwidth
§ 2.1051 Measurement required: Spurious emissions at antenna terminals
§ 2.1053 Measurement required: Field strength of spurious radiation
§ 2.1055 Measurement required: Frequency stability
§ 2.1057 Frequency spectrum to be investigated

Part 22, Subpart C – Operational and Technical Requirements

§ 22.355 Frequency tolerance

Part 22, Subpart H – Cellular Radiotelephone Service

§ 22.913 Effective radiated power limits
§ 22.917 Emission limitations for cellular equipment

additional documents

ANSI TIA-603-D-2004

Description of Methods of Measurements

RF Power Output

Standard FCC Part 22, Subpart H

The test was performed according to: FCC §2.1046

Test Description (conducted measurement procedure)

1) The EUT was coupled to a Spectrum Analyser and a Digital Communication Tester through a Power Divider. Refer to chapter "Setup Drawings".
2) The total insertion losses for signal path 1 and signal path 2 were measured. The values were used to correct the readings from the Spectrum Analyser and the Digital Communication Tester.
3) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Channel (Frequency): please refer to the detailed results
4) The transmitted power of the EUT was recorded by using a spectrum analyser.

Test Description (radiated measurement procedure)

1) The EUT was placed inside an anechoic chamber. Refer to chapter "Setup Drawings". The EUT was coupled to a Digital Communication Tester which was located outside the chamber via a small signalling antenna.
2) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Output Power: Maximum
- Channel: please refer to the detailed results
3) A substitution procedure is used so that the readings from the spectrum analyser are corrected and represent directly the equivalent radiated power (related to a lamda/2 dipole).
4) The output power was measured in both vertical and horizontal antenna polarisation during the call is established on the lowest channel, mid channel and on the highest channel. To find the worst case power all orientations (X, Y, Z) of the EUT have been measured.
5) The test procedure according to TIA-603-C-2004 has been considered.

Test Requirements / Limits

§2.1046 Measurements Required: RF Power Output
(a) For transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in § 2.1033(c)(8). The electrical characteristics of the output terminals when this test is made shall be stated.
§22.913 Effective radiated power limits
(a)(2) Maximum ERP. … The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

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Emission and Occupied Bandwidth

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Standard FCC Part 22, Subpart H

The test was performed according to: FCC §2.1049

Test Description

1) The EUT was coupled to a Spectrum Analyser and a Digital Communication Tester through a Power Divider. Refer to chapter "Setup Drawings".
2) The total insertion losses for signal path 1 and signal path 2 were measured. The values were used to correct the readings from the Spectrum Analyser and the Digital Communication Tester.
3) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Output Power: Maximum
- Channel: please refer to the detailed results
4) Important Analyser Settings:
- Resolution Bandwidth: >1% of the manufacturer's stated occupied bandwidth
5) The maximum spectral level of the modulated signal was recorded as the reference.
6) The emission bandwidth is measured as follows:
the two furthest frequencies above and below the frequency of the maximum reference level where the spectrum is –26 dB down have to be found.
7) The occupied bandwidth (99% Bandwidth) is measured as follows:
the occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 percent of the total mean power.

Test Requirements / Limits

§ 2.1049 Measurements required: Occupied bandwidth

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the following conditions (as applicable):

(h) Transmitters employing digital modulation techniques - when modulated by an input signal such that its amplitude and symbol rate represent the maximum rated conditions under which the equipment will be operated. The signal shall be applied through any filter networks, pseudo-random generators or other devices required in normal service. Additionally, the occupied bandwidth shall be shown for operation with any devices used for modifying the spectrum when such devices are optional at the discretion of the user.

Spurious emissions at antenna terminals

Standard FCC Part 22, Subpart H

The test was performed according to FCC §2.1051

Test Description

1) The EUT was coupled to a Spectrum Analyser and a Digital Communication Tester through a Power Divider. Refer to chapter "Setup Drawings".
2) The total insertion losses for signal path 1 and signal path 2 were measured. The values were used to correct the readings from the Spectrum Analyser and the Digital Communication Tester.
3) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Output Power: Maximum
- Channel: please refer to the detailed results
4) Important Analyser Settings
- [Resolution Bandwidth]:
a) [>=1% of wanted signal bandwidth] in the Span of 1 MHz directly below and above the PCS-Band,
b) otherwise [100 kHz] (or [1 MHz] for accelerated sweep times)
c) [reduced resolution bandwidth] in case the curve of the analyser IF-Filter or the wanted EUT signal leads to an exceeding of the limit, in this case a correction factor was used
- Sweep Time: depending on the transmitting signal, the span and the resolution bandwidth
5) The spurious emissions peaks were measured in the frequency range from 9 kHz to 10 GHz (up to the 10th harmonic) during the call was established

Test Requirements / Limits

§ 2.1051 Spurious emissions at antenna terminals

The radio frequency voltage or power generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in Sec. 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

§ 2.1057 Frequency spectrum to be investigated.

(a) In all of the measurements set forth in Secs. 2.1051 and 2.1053, the spectrum shall be investigated from the lowest radio frequency signal generated in the equipment, without going below 9 kHz, up to at least the frequency shown below:
(1) If the equipment operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
(b) Particular attention should be paid to harmonics and subharmonics of the carrier frequency as well as to those frequencies removed from the carrier by multiples of the oscillator frequency. Radiation at the frequencies of multiplier stages should also be checked.
(c) The amplitude of spurious emissions which are attenuated more than 20 dB below the permissible value

need not be reported.
(d) Unless otherwise specified, measurements above 40 GHz shall be performed using a minimum resolution bandwidth of 1 MHz.

§ 22.917 Emission limitations for cellular equipment

(a) The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.
Remark of the test laboratory: This is calculated to be -13 dBm.
(b) Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
(c) Licensees in this service may establish an alternative out of band emission limit to be used at specified band edge(s) in specified geographical areas [...].
(d) If any emission from a transmitter operating in this service results in interference to users of another radio service, the FCC may require a greater attenuation of that emission than specified in this section.

For reporting only spurious emission levels reaching to the 20dB margin to limit were noted.

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Field strength of spurious radiation

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Standard FCC Part 22, Subpart H

The test was performed according to: FCC §2.1053

Test Description

1) The EUT was placed inside an anechoic chamber. Refer to chapter "Setup Drawings". The EUT was coupled to a Digital Communication Tester which was located outside the chamber via a small signalling antenna.
2) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Output Power: Maximum
- Channel: please refer to the detailed results
3) A pre-calibration procedure is used so that the readings from the spectrum analyser are corrected and represent directly the equivalent radiated power (related to a lamda/2 dipole).
4) All spurious radiation measurements were made with spectrum analyser and the appropriate calibrated antennas for the frequency range of 30 MHz to 10 GHz (up to the 10th harmonic of the transmit frequency). The frequency range from 9 kHz to 30 MHz has been examined during the conducted spurious emission measurements.
5) Important Analyser Settings
- [Resolution Bandwidth / Video Bandwidth]:
a) [3 kHz / 10 kHz] in the Span of 1 MHz directly below and above the Band,
b) [10 kHz / 30 kHz] in case the curve of the analyser IF-Filter leads to an exceeding of the limit, in this case a worst case correction factor of 20 dB (1 MHz -> 10 kHz) was used
c) [1 MHz / 3 MHz] otherwise
- Sweep Time: depending on the transmitting signal, the span and the resolution bandwidth
6) The spurious emissions peaks were measured in both vertical and horizontal antenna polarization during the call is established on the lowest channel, mid channel and on the highest channel. To find the worst case peaks all orientations (X, Y, Z) of the EUT have been measured.
7) After this initial test, a final test according to TIA-603-C 2.2.12 Unwanted Emissions is performed on signals which are identified as being close to the limit. For any emissions found to be within 10 dB of the limit, a specific signal substitution measurement is performed at the frequency of the emission to determine the exact e.i.r.p. value.

Test Requirements / Limits

§ 2.1053 Measurements required: Field strength of spurious radiation.

Measurements shall be made to detect spurious emissions that may be radiated directly from the cabinet, control circuits, power leads, or intermediate circuit elements under normal conditions of installation and operation. Curves or equivalent data shall be supplied showing the magnitude of each harmonic and other spurious emission. For this test, single sideband, independent sideband, and controlled carrier transmitters shall be modulated under the conditions specified in paragraph (c) of Sec. 2.1049, as appropriate. For equipment operating on frequencies below 890 MHz, an open field test is normally required, with the measuring instrument antenna located in the far-field at all test frequencies. In the event it is either impractical or impossible to make open field measurements (e.g. a broadcast transmitter installed in a building) measurements will be accepted of the equipment as installed. Such measurements must be accompanied by a description of the site where the measurements were made showing the location of any possible source of reflections which might distort the field strength measurements. Information submitted shall include the relative radiated power of each spurious emission with reference to the rated power output of the transmitter, assuming all emissions are radiated from halfwave dipole antennas.
(b) The measurements specified in paragraph (a) of this section shall be made for the following equipment:
(2) All equipment operating on frequencies higher than 25 MHz.

§ 2.1057 Frequency spectrum to be investigated.

(a) In all of the measurements set forth in Secs. 2.1051 and 2.1053, the spectrum shall be investigated from the lowest radio frequency signal generated in the equipment, without going below 9 kHz, up to at least the frequency shown below:
(1) If the equipment operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
(b) Particular attention should be paid to harmonics and subharmonics of the carrier frequency as well as to those frequencies removed from the carrier by multiples of the oscillator frequency. Radiation at the frequencies of multiplier stages should also be checked.
(c) The amplitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be reported.
(d) Unless otherwise specified, measurements above 40 GHz shall be performed using a minimum resolution bandwidth of 1 MHz.

§ 22.917 Emission limitations for cellular equipment

(a) The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.
This is calculated to be -13 dBm (effective radiated power) which corresponds to 84.6 dBµV/m (field strength) in a distance of 3 m.

(b) Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
(c) Licensees in this service may establish an alternative out of band emission limit to be used at specified band edge(s) in specified geographical areas [...].
(d) If any emission from a transmitter operating in this service results in interference to users of another radio service, the FCC may require a greater attenuation of that emission than specified in this section.

For reporting only spurious emission levels reaching to the 20dB margin to limit were noted.

Frequency stability

Standard FCC Part 22, Subpart H

The test was performed according to FCC §2.1055

Test Description

1) The EUT was placed inside a temperature chamber.
2) The EUT was coupled to a Digital Communication Tester. Refer to chapter "Setup Drawings".

3) The climatic chamber was cycled down/up to a certain temperature, starting with the EUT minimum temperature.
4) After the temperature was stabilized the EUT was switched on and a call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Output Power: Maximum
- Mid Channel
5) The frequency error of the EUT was recorded by using an internal measurement function of the Digital Communication Tester immediately after the call was established, five minutes after the call was established and ten minutes after the call was established.
6) This measurement procedure was performed for temperature variation from –30°C to +50°C in increments of 10°C, if not otherwise stated in the detailed results.
When the EUT did not operate at certain temperature levels, these measurements were left out.

Test Requirements / Limits

§2.1055 Measurements required: Frequency stability

(a) The frequency stability shall be measured with variation of ambient temperature as follows:
(1) From -30° to +50° centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section.
(b) Frequency measurements shall be made at the extremes of the specified temperature range and at intervals of not more than 10° centigrade through the range. A period of time sufficient to stabilize all of the components of the oscillator circuit at each temperature level shall be allowed prior to frequency measurement. The short term transient effects on the frequency of the transmitter due to keying (except for broadcast transmitters) and any heating element cycling normally occurring at each ambient temperature level also shall be shown. Only the portion or portions of the transmitter containing the frequency determining and stabilizing circuitry need be subjected to the temperature variation test.
(d) The frequency stability shall be measured with variation of primary supply voltage as follows:
(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment.
(2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.
(3) The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided. Effects on frequency of transmitter keying (except for broadcast transmitters) and any heating element cycling at the nominal supply voltage and at each extreme also shall be shown.

§22.355 Frequency tolerance

…the carrier frequency of each transmitter in the Public Mobile Service must be maintained within the tolerances given in table C-1 of this section.

Table C-1.- Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency range (MHz)	Base, fixed (ppm)	Mobile up to 3 watts (ppm)	Mobile above 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929	5.0	n/a	n/a
929 to 960	1.5	n/a	n/a
2110 to 2220	10.0	n/a	n/aFor the mid

channel (836.6 MHz) the frequency tolerance is 2.5 ppm (2091.5 Hz).

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Band edge compliance

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Standard FCC Part 22, Subpart H

The test was performed according to: FCC §22.913

Test Description

1) The EUT was coupled to a Spectrum Analyser and a Digital Communication Tester through a Power

Divider. Refer to chapter "Setup Drawings".
2) The total insertion losses for signal path 1 and signal path 2 were measured. The values were used to correct the readings from the Spectrum Analyser and the Digital Communication Tester.
3) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Output Power: Maximum
- Channel: please refer to the detailed results
4) Important Analyser Settings:
- Resolution Bandwidth = Video Bandwidth: >1% of the manufacturer's stated occupied bandwidth

Test Requirements / Limits

§ 22.917 Emission limitations for cellular equipment

Refer to chapter "Field strength of spurious radiation".

Summary of Test Results

The EUT complied with all performed tests as listed in the summary section of this report.

Technical Report Summary

Type of Authorization :

Certification for a GSM/WCDMA/CDMA2000 cellular radiotelephone device

Applicable FCC Rules

Prepared in accordance with the requirements of FCC Rules and Regulations as listed in 47 CFR Ch.1 Parts 0 to 69. The following subparts are applicable to the results in this test report.

Part 2, Subpart J - Equipment Authorization Procedures, Certification

§ 2.1046 Measurement required: RF power output
§ 2.1049 Measurement required: Occupied bandwidth
§ 2.1051 Measurement required: Spurious emissions at antenna terminals
§ 2.1053 Measurement required: Field strength of spurious radiation
§ 2.1055 Measurement required: Frequency stability
§ 2.1057 Frequency spectrum to be investigated

Part 24, Subpart E - Broadband PCS

§ 24.232 Power and antenna height limits
§ 24.235 Frequency stability
§ 24.236 Field strength limits
§ 24.238 Emission limitations for Broadband PCS equipment

additional documents

ANSI TIA-603-D-2004

Description of Methods of Measurements

RF Power Output

Standard: FCC Part 24, Subpart E

The test was performed according to: FCC §2.1046

Test Description (conducted measurement procedure)

1) The EUT was coupled to a Spectrum Analyser and a Digital Communication Tester through a Power Divider. Refer to chapter "Setup Drawings".
2) The total insertion losses for signal path 1 and signal path 2 were measured. The values were used to correct the readings from the Spectrum Analyser and the Digital Communication Tester.
3) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Channel (Frequency): please refer to the detailed results
4) The transmitted power of the EUT was recorded by using a spectrum analyser.

Test Description (radiated measurement procedure)

1) The EUT was placed inside an anechoic chamber. Refer to chapter "Setup Drawings". The EUT was coupled to a Digital Communication Tester which was located outside the chamber via a small signalling antenna.
2) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Output Power: Maximum
- Channel: please refer to the detailed results
3) A substitution procedure is used so that the readings from the spectrum analyser are corrected and represent directly the equivalent radiated power (related to a lamda/2 dipole).
4) The output power was measured in both vertical and horizontal antenna polarisation during the call is established on the lowest channel, mid channel and on the highest channel. To find the worst case power all orientations (X, Y, Z) of the EUT have been measured.
5) The test procedure according to TIA-603-C-2004 has been considered.

Test Requirements / Limits

§2.1046 Measurements Required: RF Power Output
(a) For transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in § 2.1033(c)(8). The electrical characteristics of the output terminals when this test is made shall be stated.
§24.232 Power and antenna height limits
(c) Mobile/portable stations are limited to 2 watts EIRP peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications.
(e) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

Emission and Occupied Bandwidth

Standard: FCC Part 24, Subpart E

The test was performed according to: FCC §2.1049

Test Description

1) The EUT was coupled to a Spectrum Analyser and a Digital Communication Tester through a Power Divider. Refer to chapter "Setup Drawings".
2) The total insertion losses for signal path 1 and signal path 2 were measured. The values were used to correct the readings from the Spectrum Analyser and the Digital Communication Tester.
3) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Output Power: Maximum
- Channel: please refer to the detailed results
4) Important Analyser Settings:
- Resolution Bandwidth: >1% of the manufacturer's stated occupied bandwidth
5) The maximum spectral level of the modulated signal was recorded as the reference.
6) The emission bandwidth is measured as follows:
the two furthest frequencies above and below the frequency of the maximum reference level where the spectrum is –26 dB down have to be found.
7) The occupied bandwidth (99% Bandwidth) is measured as follows:
the occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 percent of the total mean power.

Test Requirements / Limits

§ 2.1049 Measurements required: Occupied bandwidth

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the following conditions (as applicable):

(h) Transmitters employing digital modulation techniques - when modulated by an input signal such that its amplitude and symbol rate represent the maximum rated conditions under which the equipment will be operated. The signal shall be applied through any filter networks, pseudo-random generators or other devices required in normal service. Additionally, the occupied bandwidth shall be shown for operation with any devices used for modifying the spectrum when such devices are optional at the discretion of the user.

Spurious emissions at antenna terminals

Standard: FCC Part 24, Subpart E

The test was performed according to FCC §2.1051

Test Description

1) The EUT was coupled to a Spectrum Analyser and a Digital Communication Tester through a Power Divider. Refer to chapter "Setup Drawings".
2) The total insertion losses for signal path 1 and signal path 2 were measured. The values were used to correct the readings from the Spectrum Analyser and the Digital Communication Tester.
3) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Output Power: Maximum
- Channel: please refer to the detailed results
4) Important Analyser Settings
- [Resolution Bandwidth]:
a) [>=1% of wanted signal bandwidth] in the Span of 1 MHz directly below and above the Band,
b) otherwise [1 MHz]
c) [reduced resolution bandwidth] in case the curve of the analyser IF-Filter or the wanted EUT signal leads to an exceeding of the limit, in this case a correction factor was used
- Sweep Time: depending on the transmitting signal, the span and the resolution bandwidth
5) The spurious emissions peaks were measured in the frequency range from 9 kHz to 20 GHz (up to the 10th harmonic) during the call was established

Test Requirements / Limits

§ 2.1051 Spurious emissions at antenna terminals

The radio frequency voltage or power generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in Sec. 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

§ 2.1057 Frequency spectrum to be investigated.

(a) In all of the measurements set forth in Secs. 2.1051 and 2.1053, the spectrum shall be investigated from the lowest radio frequency signal generated in the equipment, without going below 9 kHz, up to at least the frequency shown below:
(1) If the equipment operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
(b) Particular attention should be paid to harmonics and subharmonics of the carrier frequency as well as to those frequencies removed from the carrier by multiples of the oscillator frequency. Radiation at the frequencies of multiplier stages should also be checked.
(c) The amplitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be reported.
(d) Unless otherwise specified, measurements above 40 GHz shall be performed using a minimum resolution bandwidth of 1 MHz.

§ 24.238 Emission limitations for Broadband PCS equipment

(a) The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.
Remark of the test laboratory: This is calculated to be -13 dBm.
(b) Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
(c) Licensees in this service may establish an alternative out of band emission limit to be used at specified band edge(s) in specified geographical areas [...].
(d) If any emission from a transmitter operating in this service results in interference to users of another radio service, the FCC may require a greater attenuation of that emission than specified in this section.

For reporting only spurious emission levels reaching to the 20dB margin to limit were noted.

Field strength of spurious radiation

Standard: FCC Part 24, Subpart E

The test was performed according to: FCC §2.1053

Test Description

1) The EUT was placed inside an anechoic chamber. Refer to chapter "Setup Drawings". The EUT was coupled to a Digital Communication Tester which was located outside the chamber via a small signalling antenna.
2) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Output Power: Maximum
- Channel: please refer to the detailed results
3) A pre-calibration procedure is used so that the readings from the spectrum analyser are corrected and represent directly the equivalent radiated power (related to a lamda/2 dipole).

4) All spurious radiation measurements were made with spectrum analyser and the appropriate calibrated antennas for the frequency range of 30 MHz to 20 GHz (up to the 10th harmonic of the transmit frequency). The frequency range from 9 kHz to 30 MHz has been examined during the conducted spurious emission measurements.
5) Important Analyser Settings
- [Resolution Bandwidth / Video Bandwidth]:
a) [3 kHz / 10 kHz] in the Span of 1 MHz directly below and above the Band,
b) [10 kHz / 30 kHz] in case the curve of the analyser IF-Filter leads to an exceeding of the limit, in this case a worst case correction factor of 20 dB (1 MHz -> 10 kHz) was used
c) [1 MHz / 3 MHz] otherwise
- Sweep Time: depending on the transmitting signal, the span and the resolution bandwidth
6) The spurious emissions peaks were measured in both vertical and horizontal antenna polarisation during the call is established on the lowest channel, mid channel and on the highest channel. To find the worst case peaks all orientations (X, Y, Z) of the EUT have been measured.
7) After this initial test, a final test according to TIA-603-C 2.2.12 Unwanted Emissions is performed on signals which are identified as being close to the limit. For any emissions found to be within 10 dB of the limit, a specific signal substitution measurement is performed at the frequency of the emission to determine the exact e.i.r.p. value.

Test Requirements / Limits

§ 2.1053 Measurements required: Field strength of spurious radiation.

Measurements shall be made to detect spurious emissions that may be radiated directly from the cabinet, control circuits, power leads, or intermediate circuit elements under normal conditions of installation and operation. Curves or equivalent data shall be supplied showing the magnitude of each harmonic and other spurious emission. For this test, single sideband, independent sideband, and controlled carrier transmitters shall be modulated under the conditions specified in paragraph (c) of Sec. 2.1049, as appropriate. For equipment operating on frequencies below 890 MHz, an open field test is normally required, with the measuring instrument antenna located in the far-field at all test frequencies. In the event it is either impractical or impossible to make open field measurements (e.g. a broadcast transmitter installed in a building) measurements will be accepted of the equipment as installed. Such measurements must be accompanied by a description of the site where the measurements were made showing the location of any possible source of reflections which might distort the field strength measurements. Information submitted shall include the relative radiated power of each spurious emission with reference to the rated power output of the transmitter, assuming all emissions are radiated from halfwave dipole antennas.
(b) The measurements specified in paragraph (a) of this section shall be made for the following equipment:
(2) All equipment operating on frequencies higher than 25 MHz.

§ 2.1057 Frequency spectrum to be investigated.

(a) In all of the measurements set forth in Secs. 2.1051 and 2.1053, the spectrum shall be investigated from the lowest radio frequency signal generated in the equipment, without going below 9 kHz, up to at least the frequency shown below:
(1) If the equipment operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
(b) Particular attention should be paid to harmonics and subharmonics of the carrier frequency as well as to those frequencies removed from the carrier by multiples of the oscillator frequency. Radiation at the frequencies of multiplier stages should also be checked.
(c) The amplitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be reported.
(d) Unless otherwise specified, measurements above 40 GHz shall be performed using a minimum resolution bandwidth of 1 MHz.

§ 24.238 Emission limitations for Broadband PCS equipment

(a) The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.
This is calculated to be -13 dBm (effective radiated power) which corresponds to 84.6 dBµV/m (field strength) in a distance of 3 m.

(b) Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB

below the transmitter power.
(c) Licensees in this service may establish an alternative out of band emission limit to be used at specified band edge(s) in specified geographical areas [...].
(d) If any emission from a transmitter operating in this service results in interference to users of another radio service, the FCC may require a greater attenuation of that emission than specified in this section.

For reporting only spurious emission levels reaching to the 20dB margin to limit were noted.

Frequency stability

Standard: FCC Part 24, Subpart E

The test was performed according to FCC §2.1055

Test Description

1) The EUT was placed inside a temperature chamber.
2) The EUT was coupled to a Digital Communication Tester. Refer to chapter "Setup Drawings".
3) The climatic chamber was cycled down/up to a certain temperature, starting with the EUT minimum temperature.
4) After the temperature was stabilized the EUT was switched on and a call was established on a Traffic Channel between the EUT and the Digital Communication Tester.
Important Settings:
- Output Power: Maximum
- Mid Channel
5) The frequency error of the EUT was recorded by using an internal measurement function of the Digital Communication Tester immediately after the call was established, five minutes after the call was established and ten minutes after the call was established.
6) This measurement procedure was performed for temperature variation from –30°C to +50°C in increments of 10°C, if not otherwise stated in the detailed results.
When the EUT did not operate at certain temperature levels, these measurements were left out.

Test Requirements / Limits

§2.1055 Measurements required: Frequency stability

(a) The frequency stability shall be measured with variation of ambient temperature as follows:
(1) From -30° to +50° centigrade for all equipment except that specified in paragraphs
(a) (2) and (3) of this section.
(b) Frequency measurements shall be made at the extremes of the specified temperature range and at intervals of not more than 10° centigrade through the range. A period of time sufficient to stabilize all of the components of the oscillator circuit at each temperature level shall be allowed prior to frequency measurement. The short term transient effects on the frequency of the transmitter due to keying (except for broadcast transmitters) and any heating element cycling normally occurring at each ambient temperature level also shall be shown. Only the portion or portions of the transmitter containing the frequency determining and stabilizing circuitry need be subjected to the temperature variation test.
(d) The frequency stability shall be measured with variation of primary supply voltage as follows:
(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment.
(2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.
(3) The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided. Effects on frequency of transmitter keying (except for broadcast transmitters) and any heating element cycling at the nominal supply voltage and at each extreme also shall be shown.

§24.235 Frequency stability

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

7Layers interpretation of limit:

To ensure that the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block following limit was used:

+/- 2.5 ppm = 4700 Hz for a frequency of 1880.0 MHz

in accordance with FCC Part 22, Subpart H, §22.355, table C-1: Frequency tolerance for the carrier frequency of mobile transmitters in the Public Mobile Service in the frequency range 821 to 896 MHz.

Band edge compliance

Standard: FCC Part 24, Subpart E

The test was performed according to: FCC §24.238

Test Description

1) The EUT was coupled to a Spectrum Analyser and a Digital Communication Tester through a Power Divider. Refer to chapter "Setup Drawings".
2) The total insertion losses for signal path 1 and signal path 2 were measured. The values were used to correct the readings from the Spectrum Analyser and the Digital Communication Tester.
3) A call was established on a Traffic Channel between the EUT and the Digital Communication Tester. Important Settings:
- Output Power: Maximum
- Channel: please refer to the detailed results
4) Important Analyser Settings:
- Resolution Bandwidth = Video Bandwidth: >1% of the manufacturer's stated occupied bandwidth

Test Requirements / Limits

§ 24.238 Effective radiated power limits

Refer to chapter "Field strength of spurious radiation".

Subtests HSDPA

Sub-test	βc	βd	βd (SF)	βc/βd	βHS (Note1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: $?_{ACK}$, $?_{NACK}$ and $?_{CQI}$ = 30/15 with β_{hs} = 30/15 * β_c .

Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, $?_{ACK}$ and $?_{NACK}$ = 30/15 with β_{hs} = 30/15 * β_c , and $?_{CQI}$ = 24/15 with β_{hs} = 24/15 * β_c .

Note 3: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

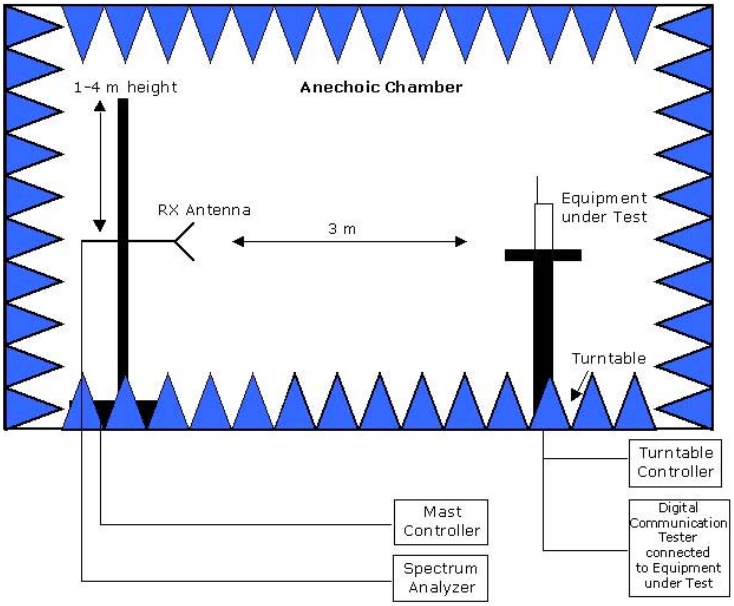
Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d = 15/15.

Subtests HSUPA

Subtest	Mode	Loopback Mode	Rel99 RMC	HSDPA FRC	HSUPA Test	Number of E-DPDCH Channels
1	Rel6 HSUPA	Test Mode 1	12.2kbps RMC	H-Set1	HSUPA Loopback	1
2	Rel6 HSUPA	Test Mode 1	12.2kbps RMC	H-Set1	HSUPA Loopback	1
3	Rel6 HSUPA	Test Mode 1	12.2kbps RMC	H-Set1	HSUPA Loopback	2
4	Rel6 HSUPA	Test Mode 1	12.2kbps RMC	H-Set1	HSUPA Loopback	1
5	Rel6 HSUPA	Test Mode 1	12.2kbps RMC	H-Set1	HSUPA Loopback	1

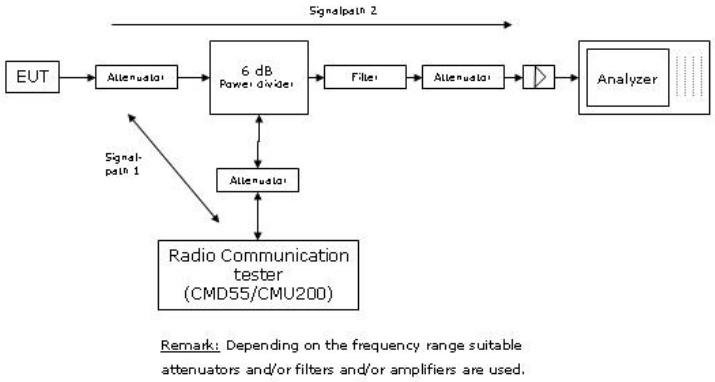
Subtest	Max UL Data Rate (kb/s)	βc/βd	βhs	βed	CM
1	242.1	11/15	22/15	1309/225	1
2	161.3	6/15	12/15	94/75	3
3	524.7	15/9	30/15	47/15	2
4	197.6	2/15	4/15	56/75	3
5	299.6	15/15	30/15	134/15	1

Setup Drawings

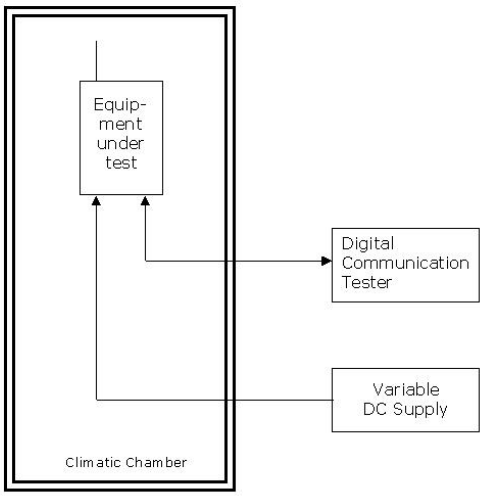


Remark: Depending on the frequency range suitable antenna types, attenuators or preamplifiers are used.

Principle set-up for radiated measurements



Principle set-up for conducted measurements under nominal conditions



Principle set-up for tests under extreme test conditions

Correlation of measurement requirements for Cellular Equipment from FCC and IC

FCC Rule / IC Standard	Part 22	RSS-132 Issue 3, 2016	Part 24	RSS-133 Issue 6, 2013	Part 27	RSS-139 Issue 3, 2015	RSS-130 Issue 1, 2013
Effective (isotropic) Radiated Power	§2.1046 §22.913	RSS-GEN, §6.12 RSS-132, §5.4	§2.1046 §24.232	RSS-GEN, §6.12 RSS-133, §6.4	§2.1046 §27.50	RSS-GEN, §6.12 RSS-139; §6.4	RSS-GEN, §6.12 RSS-130; §4.4
Emission and Occupied Bandwidth	§2.1049	RSS-GEN §6.6	§2.1049	RSS-GEN §6.6	§2.1049	RSS-GEN §6.6	RSS-GEN §6.6
"Spuri" at Antenna Terminal	§2.1051 §22.917	RSS-GEN, §6.13 RSS-132, §5.5	§2.1051 §24.238	RSS-GEN, §6.13 RSS-132, §6.5	§2.1051 §27.53	RSS-GEN, §6.13 RSS-139, §6.5	RSS-GEN, §6.13 RSS-130, §4.6
Band Edge compliance	§2.1051 §22.917	RSS-GEN, §6.13	§2.1051 §24.238	RSS-GEN, §6.13	§2.1051 §27.53	RSS-GEN, §6.13	RSS-GEN, §6.13
Frequency Stability	§2.1055 §22.355	RSS-GEN, §6.11	§2.1055 §24.235	RSS-GEN, §6.11 RSS-132, §6.3	§2.1055 §27.51	RSS-GEN, §6.11 RSS-139, §6.3	RSS-GEN, §6.11 RSS-130, §4.3
Peak to Average Ratio	N/A	RSS-132, §5.3	§2.1046 §24.232	RSS-133, §6.4	§2.1046 §27.50	RSS-139, §6.4	RSS-130; §4.4
Field Strength of Spurious Radiation	§2.1053 §22.917	RSS-GEN, §6.13 RSS-132, §5.2	§2.1053 §24.235	RSS-GEN, §6.13 RSS-133, §6.5	§2.1053 §27.51	RSS-GEN, §6.13 RSS-139, §6.5	RSS-GEN, §6.13 RSS-130, §4.6

*) Receivers which are part of Transceivers are exempted with respect to Notice 2012-DRS0126.

TEST MODE	TX / RX	RF Channel			TEST MODE	TX / RX	RF Channel		
		Low	Mid	High			Low	Mid	High
		18607	18900	19193			19957	20175	20393
	TX (1.4M)	1850.7 MHz	1880 MHz	1909.3 MHz		TX (1.4M)	1710.7MHz	1732.5MHz	1754.3MHz
		CH 18615	CH 18900	CH 19185			CH 19965	CH 20175	CH 20385
	TX (3M)	1851.5 MHz	1880 MHz	1908.5 MHz		TX (3M)	1711.50 MHz	1732.50 MHz	1753.50 MHz
		CH 18625	CH 18900	CH 19175			CH 19975	CH 20175	CH 20375
	TX (5M)	1852.5 MHz	1880 MHz	1907.5 MHz		TX (5M)	1712.50 MHz	1732.50 MHz	1752.50 MHz
		CH 18650	CH 18900	CH 19150			CH 20000	CH 20175	CH 20350
	TX (10)	1855 MHz	1880 MHz	1905 MHz		TX (10)	1715.00 MHz	1732.50 MHz	1750.00 MHz
		CH 18675	CH 18900	CH 19125			CH 20025	CH 20175	CH 20325
	TX (15M)	1857.5 MHz	1880 MHz	1902.5 MHz		TX (15M)	1717.50 MHz	1732.50 MHz	1747.50 MHz
		CH 18700	CH 18900	CH 19100			CH 20050	CH 20175	CH 20300
	TX (20M)	1860 MHz	1880 MHz	1900 MHz		TX (20M)	1720.00 MHz	1732.50 MHz	1745.00 MHz
LTE eFDD 2		CH 607	CH 900	CH 1193	LTE eFDD 4		CH 1957	CH 2175	CH 2393
	RX (1.4M)	1930.7 MHz	1960 MHz	1989.3 MHz		RX (1.4M)	2110.70 MHz	2132.50 MHz	2154.30 MHz
		CH 615	CH 900	CH 1185			CH 1965	CH 2175	CH 2385
	RX (3M)	1931.5 MHz	1960 MHz	1988.5 MHz		RX (3M)	2111.50 MHz	2132.50 MHz	2153.50 MHz
		CH 625	CH 900	CH 1175			CH 1975	CH 2175	CH 2375
	RX (5M)	1932.50 MHz	1880.00 MHz	1987.5 MHz		RX (5M)	2112.50 MHz	2132.50 MHz	2152.50 MHz
		CH 650	CH 900	CH 1150			CH 2000	CH 2175	CH 2350
	RX (10M)	1935.00 MHz	1960.00 MHz	1985.00 MHz		RX (10M)	2115.00 MHz	2132.50 MHz	2150.00 MHz
		CH 675	CH 900	CH 1125			CH 2025	CH 2175	CH 2325
	RX (15M)	1937.50 MHz	1960.00 MHz	1982.50 MHz		RX (15M)	2117.50 MHz	2132.50 MHz	2147.50 MHz
		CH 700	CH 900	CH 1100			CH 2050	CH 2175	CH 2300
	RX (20M)	1940.00 MHz	1960.00 MHz	1980.00 MHz		RX (20M)	2120.00 MHz	2132.50 MHz	2145.00 MHz

TEST MODE	TX / RX	RF Channel			TEST MODE	TX / RX	RF Channel		
		Low	Mid	High			Low	Mid	High
		20407	20525	20643			CH 23017	CH 23095	CH 23173
	TX (1.4M)	824.7	836.5	848.3		TX (1.4M)	699.70 MHz	707.50 MHz	715.30 MHz
		CH 20415	CH 20525	CH 20635			CH 23025	CH 23095	CH 23165
	TX (3M)	825.50 MHz	836.50 MHz	847.50 MHz		TX (3M)	700.50 MHz	707.50 MHz	714.50 MHz
		CH 20425	CH 20525	CH 20625			CH 23035	CH 23095	CH 23155
	TX (5M)	826.50 MHz	836.50 MHz	846.50 MHz		TX (5M)	701.50 MHz	707.50 MHz	713.50 MHz
		CH 20450	CH 20525	CH 20600			CH 23060	CH 23095	CH 23130
	TX (10)	829.00 MHz	836.50 MHz	844.00 MHz	LTE eFDD 12	TX (10)	704.00 MHz	707.50 MHz	711.00 MHz
LTE eFDD 5		CH 2407	CH 20525	CH 2643			CH 5017	CH 5095	CH 5173
	RX (1.4M)	869.70 MHz	881.50 MHz	893.70 MHz		RX (1.4M)	729.70 MHz	737.50 MHz	745.30 MHz
		CH 2415	CH 20525	CH 2635			CH 5025	CH 5095	CH 5165
	RX (3M)	870.50 MHz	881.50 MHz	892.50 MHz		RX (3M)	730.50 MHz	737.50 MHz	744.50 MHz
		CH 2425	CH 2525	CH 2625			CH 5035	CH 5095	CH 5155
	RX (5M)	871.50 MHz	881.50 MHz	891.50 MHz		RX (5M)	731.50 MHz	737.50 MHz	743.50 MHz
		CH 2450	CH 2525	CH 2600			CH 5060	CH 5095	CH 5130
	RX (10M)	874.00 MHz	881.50 MHz	889.00 MHz		RX (10M)	734.00 MHz	737.50 MHz	741.00 MHz

List the test channels used for LTE

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