FCC PART 27

FCC PART 22H, PART 24E

TEST REPORT

For

TECNO MOBILE LIMITED

FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET
FOTAN NT Hong Kong

FCC ID: 2ADYY-KF6K

Report Type:	Product Type:
Original Report	Mobile phone

Report Number:	SZ1210201-03817E-00E
Report Date:	2021-04-06
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TABLE OF CONTENTS

GENERAL INFORMATION **3**
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) 3
OBJECTIVE 4
TEST METHODOLOGY 4
MEASUREMENT UNCERTAINTY 4
TEST FACILITY 4
SYSTEM TEST CONFIGURATION **5**
DESCRIPTION OF TEST CONFIGURATION 5
EQUIPMENT MODIFICATIONS 6
SUPPORT EQUIPMENT LIST AND DETAILS 6
SUPPORT CABLE DESCRIPTION 6
BLOCK DIAGRAM OF TEST SETUP 7
SUMMARY OF TEST RESULTS **8**
TEST EQUIPMENT LIST **9**
FCC §1.1307(B) & §2.1093 - RF EXPOSURE INFORMATION **11**
APPLICABLE STANDARD 11
TEST RESULT 11
FCC §2.1047 - MODULATION CHARACTERISTIC **12**
FCC § 2.1046, § 22.913 (A) & § 24.232 (C); §27.50 (C) (D) (H) - RF OUTPUT POWER **13**
APPLICABLE STANDARD 13
TEST PROCEDURE 13
TEST DATA 14
FCC §2.1049, §22.917, §22.905 & §24.238 & §27.53 - OCCUPIED BANDWIDTH **46**
APPLICABLE STANDARD 46
TEST PROCEDURE 46
TEST DATA 46
FCC §2.1051, §22.917(A) & §24.238(A); §27.53 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS **78**
APPLICABLE STANDARD 78
TEST PROCEDURE 78
TEST DATA 78
FCC § 2.1053; § 22.917 (A);§ 24.238 (A); §27.53 SPURIOUS RADIATED EMISSIONS **96**
APPLICABLE STANDARD 96
TEST PROCEDURE 96
TEST DATA 96
FCC § 22.917 (A);§ 24.238 (A); §27.53(C) (H)(M) - BAND EDGES **105**
APPLICABLE STANDARD 105
TEST PROCEDURE 105
TEST DATA 106
FCC § 2.1055; § 22.355; § 24.235; §27.54 - FREQUENCY STABILITY **120**
APPLICABLE STANDARD 120
TEST PROCEDURE 120
TEST DATA 121

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Mobile phone
Tested Model	KF6k
Frequency Range	EGSM 850: 824-849MHz(TX); 869-894MHz(RX) PCS 1900: 1850-1910MHz(TX); 1930-1990MHz(RX) WCDMA Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX) WCDMA Band 4: 1710-1755MHz(TX); 2110-2155MHz(RX) WCDMA Band 5: 824-849MHz(TX); 869-894MHz(RX) LTE Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX) LTE Band 4: 1710-1755MHz(TX); 2110-2155MHz(RX) LTE Band 5: 824-849MHz(TX); 869-894MHz(RX) LTE Band 7: 2500-2570MHz(TX); 2620-2690MHz(RX) LTE Band 17: 704-716MHz(TX); 734-746MHz(RX) LTE Band 38: 2570-2620MHz(TX/RX) LTE Band 41: 2535-2655MHz(TX/RX) LTE Band 66: 1710-1780MHz(TX); 2110-2180MHz(RX)
Modulation Technique	2G: GMSK, 8PSK 3G: BPSK, QPSK, 16QAM 4G: QPSK, 16QAM
Antenna Specification*	EGSM850/ WCDMA Band 5/ LTE Band 5: -1.6dBi PCS1900/WCDMA Band 2/ LTE Band 2: -0.5dBi WCDMA Band 4/ LTE Band 4/ LTE Band 66: -0.7dBi LTE Band 7/LTE Band 38/LTE Band 41: -0.4dBi LTE Band 17: -1.9dBi (provided by the applicant)
Voltage Range	DC 3.87V from battery or DC 5.0V from adapter
Date of Test	2021-01-18 to 2021-04-06
Sample serial number	SZ1210201-03817E-RF-S1(RSE&CE Test), SZ1210201-03817E-RF-S2(RF Conducted Test) (Assigned by BACL, Shenzhen)
Received date	2021-02-01
Sample/EUT Status	Good condition
Adapter information	Model: U100TSA Input: AC 100-240V, 50/60Hz, 0.3A Output: DC 5.0V, 2.0A

Objective

This test report is in accordance with Part 2-Subpart J, Part 22-Subpart H and Part 24-Subpart E and Subpart 27 of the Federal Communication Commissions rules.

The objective is to determine the compliance of the EUT with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability and band edge.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2-Subpart J as well as the following parts:

Part 22 Subpart H - Public Mobile Services
Part 24 Subpart E - Personal Communication Services
Part 27 – Miscellaneous wireless communications services

ANSI C63.26-2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		±5%
RF output power, conducted		±0.73dB
Unwanted Emission, conducted		±1.6dB
Emissions, Radiated	Below 1GHz	±4.75dB
	Above 1GHz	±4.88dB
Temperature		±1℃
Humidity		±6%
Supply voltages		±0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 5F(B-West) ,6F,7F,the 3rd Phase of Wan Li Industrial Building D,Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 342867, the FCC Designation No.: CN1221.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062B.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The final qualification test was performed with the EUT operating at normal mode.

Test was performed as below table:

Frequency band	Bandwidth (MHz)	Test Frequency(MHz)		
		Low	Middle	High
EGSM850	0.25	824.2	836.6	848.8
DCS1900	0.25	1850.2	1880	1909.8
WCDMA B2	4.2	1852.4	1880	1907.6
WCDMA B4	4.2	1712.4	1732.6	1752.6
WCDMA B5	4.2	826.4	836.6	846.6
LTE B2	1.4	1850.7	1880	1909.3
	3	1851.5	1880	1908.5
	5	1852.5	1880	1907.5
	10	1855	1880	1905
	15	1857.5	1880	1902.5
	20	1860	1880	1900
LTE B4	1.4	1710.7	1732.5	1754.3
	3	1711.5	1732.5	1753.5
	5	1712.5	1732.5	1752.5
	10	1715	1732.5	1750
	15	1717.5	1732.5	1747.5
	20	1720	1732.5	1745
LTE B5	1.4	824.7	836.5	848.3
	3	825.5	836.5	847.5
	5	826.5	836.5	846.5
	10	829	836.5	844
LTE B7	5	2502.5	2535	2567.5
	10	2505	2535	2565
	15	2507.5	2535	2562.5
	20	2510	2535	2560
LTE B17	5	706.5	710	713.5
	10	709	710	711
LTE B38	5	2572.5	2595	2617.5
	10	2575	2595	2615
	15	2577.5	2595	2612.5
	20	2580	2595	2610

Frequency band	Bandwidth (MHz)	Test Frequency(MHz)		
		Low	Middle	High
LTE B41	5	2537.5	2593	2652.5
	10	2540	2593	2650
	15	2542.5	2593	2647.5
	20	2545	2593	2645
LTE B66	1.4	1710.7	1745	1779.3
	3	1711.5	1745	1778.5
	5	1712.5	1745	1777.5
	10	1715	1745	1775
	15	1717.5	1745	1772.5
	20	1720	1745	1770

Equipment Modifications

No modification was made to the EUT.

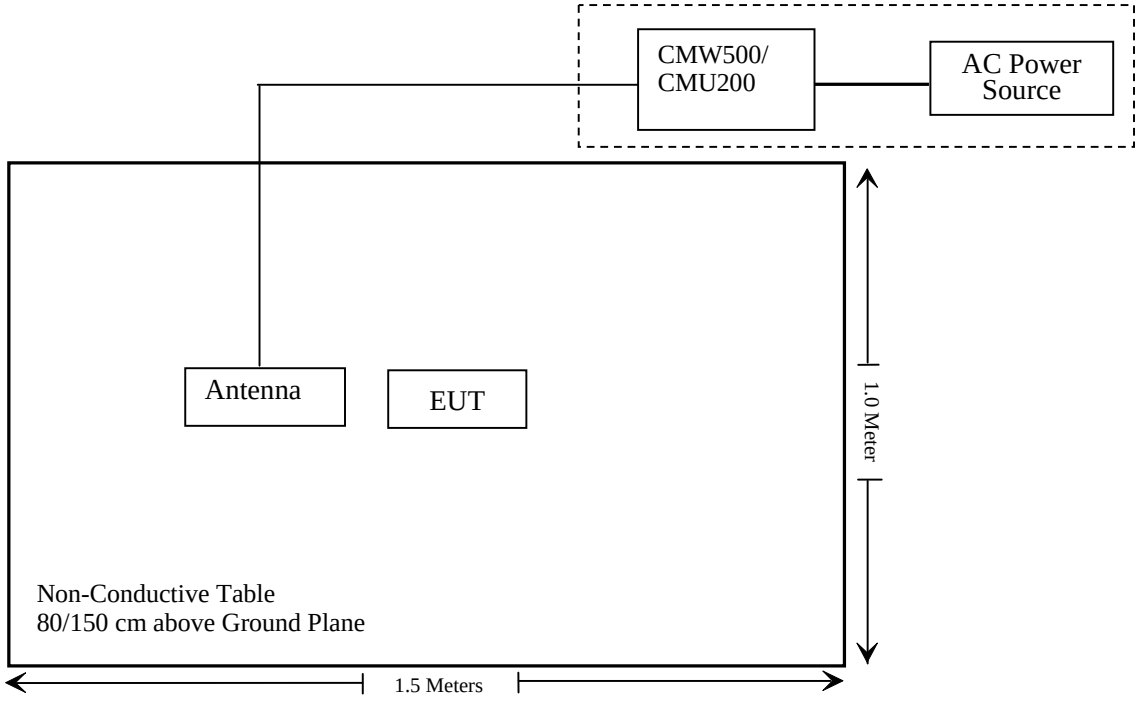
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	1201.002K50-116218-U
Rohde & Schwarz	Universal Radio Communication Tester	CMU200	115500

Support Cable Description

Cable Description	Length (m)	From / Port	To
Unshielded Un-detachable AC cable	1.2	AC Power	CMW500/ CMU200

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§ 1.1307 , §2.1093	RF Exposure (SAR)	Compliance*
§2.1046; § 22.913 (a); § 24.232 (c); §27.50 (c) (d) (h)	RF Output Power	Compliance
§ 2.1047	Modulation Characteristics	Not Applicable
§ 2.1049; § 22.905; § 22.917; § 24.238; §27.53	Occupied Bandwidth	Compliance
§ 2.1051; § 22.917 (a); § 24.238 (a); §27.53	Spurious Emissions at Antenna Terminal	Compliance
§ 2.1053; § 22.917 (a); § 24.238 (a); §27.53	Field Strength of Spurious Radiation	Compliance
§ 22.917 (a); § 24.238 (a); §27.53(c)(h) (m)	Band Edge	Compliance
§ 2.1055; § 22.355; § 24.235; §27.54;	Frequency stability	Compliance

Note: * Please refer to SAR report released by BACL, report number: SZ1210201-03817E-SA.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
R&S	EMI Test Receiver	ESR3	102455	2020/08/04	2021/08/03
Sonoma instrument	Pre-amplifier	310 N	186238	2020/08/04	2021/08/03
Sunol Sciences	Broadband Antenna	JB1	A040904-2	2020/12/22	2023/12/21
COM-POWER	Dipole Antenna	AD-100	721027	NCR	NCR
Unknown	Cable 2	RF Cable 2	F-03-EM197	2020/11/29	2021/11/28
Unknown	Cable	Chamber Cable 1	F-03-EM236	2020/11/29	2021/11/28
Rohde & Schwarz	Spectrum Analyzer	FSV40-N	102259	2020/08/04	2021/08/03
COM-POWER	Pre-amplifier	PA-122	181919	2020/11/29	2021/11/28
Quinstar	Amplifier	QLW-18405536-J0	15964001002	2020/11/29	2021/11/28
Sunol Sciences	Horn Antenna	3115	9107-3694	2021/01/15	2024/01/14
A.H.System	Horn Antenna	SAS-200/571	135	2018/09/01	2021/08/31
Insulted Wire Inc.	RF Cable	SPS-2503-3150	02222010	2020/11/29	2021/11/28
Unknown	RF Cable	W1101-EQ1 OUT	F-19-EM005	2020/11/29	2021/11/28
MICRO-TRONICS	Passband filter	HPM50111	F-19-EM006	2020/04/20	2021/04/19
Unknown	High Pass filter	1.3GHz	101120	2020/04/20	2021/04/19
Ducommun Technolagies	Horn antenna	ARH-4223-02	1007726-01 1304	2020/12/06	2023/12/05
Ducommun Technolagies	Horn antenna	ARH-4223-02	1007726-02 1304	2020/12/06	2023/12/05
Agilent	Signal Generator	N5183A	MY51040755	2020/12/29	2021/12/28

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
Rohde & Schwarz	Signal and Spectrum Analyzer	FSV40	101473	2020/08/04	2021/08/03
Yijia	Temperature & Humidity Meter	10316377	T-03-EM397	2020/09/30	2021/09/29
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	1201.002K50-146520-wh	2020/08/04	2021/08/03
Unknown	RF Cable	Unknown	2301 276	2020/11/29	2021/11/28
Unknown	RF Cable	Unknown	DLO J5/W6102	2020/11/29	2021/11/28
Weinschel	Power divider	1515	MY628	2020/11/29	2021/11/28
Rohde & Schwarz	Universal Radio Communication Tester	CMU200	115500	2020/07/31	2021/07/30
instek	DC Power Supply	GPS-3030DD	EM832096	NCR	NCR
ESPEC	Temperature & Humidity Chamber	EL-10KA	9107726	2021/01/05	2022/01/05
Fluke	Digital Multimeter	287	19000011	2020/07/23	2021/07/22

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §1.1307(b) & §2.1093 - RF EXPOSURE INFORMATION

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliance, please refer to the SAR report: SZ1210201-03817E-SA.

FCC §2.1047 - MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H & 24E & 27 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

FCC § 2.1046, § 22.913 (a) & § 24.232 (c); §27.50 (c) (d) (h) - RF OUTPUT POWER

Applicable Standard

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC §2.1046 and §24.232 (C), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

According to §27.50(c), Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

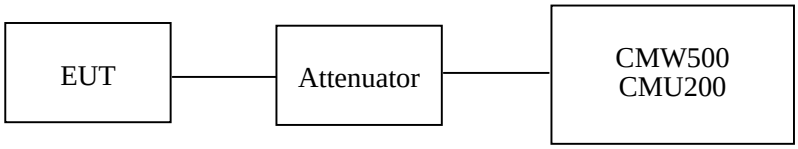
According to §27.50(d), the maximum EIRP must not exceed 1Watts (30dBm) for 1710-1780MHz.

According to §27.50(h), the maximum EIRP must not exceed 2Watts (33dBm) for 2500-2570MHz & 2496-2690MHz.

Test Procedure

Conducted method:

The RF output of the transmitter was connected to the CMW500/CMU200 through sufficient attenuation.



Test Data

Environmental Conditions

Temperature:	25 ℃
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

The testing was performed by Gavin Guo from 2021-02-05 to 2021-03-22.

Conducted Power

Cellular Band (Part 22H)

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)	ERP (dBm)	Limit (dBm)
GSM	128	824.2	32.05	28.30	38.45
	190	836.6	32.16	28.41	38.45
	251	848.8	32.18	28.43	38.45

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				ERP(dBm)				Limit (dBm)
			1 slot	2 slots	3 slots	4 slots	1 slot	2 slots	3 slots	4 slots	
GPRS	128	824.2	32.04	30.94	28.89	27.70	28.29	27.19	25.14	23.95	38.45
	190	836.6	32.01	30.98	28.92	27.71	28.26	27.23	25.17	23.96	38.45
	251	848.8	31.99	30.92	28.83	27.68	28.24	27.17	25.08	23.93	38.45

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				ERP(dBm)				Limit (dBm)
			1 slot	2 slots	3 slots	4 slots	1 slot	2 slots	3 slots	4 slots	
EGPRS	128	824.2	26.30	25.21	22.78	21.24	22.55	21.46	19.03	17.49	38.45
	190	836.6	26.17	25.02	22.68	21.13	22.42	21.27	18.93	17.38	38.45
	251	848.8	26.12	24.93	22.56	21.06	22.37	21.18	18.81	17.31	38.45

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			ERP(dBm)		
			Low	Mid	High	Low	Mid	High
WCDMA (Band 5)	RMC12.2k		23.10	23.24	23.23	19.35	19.49	19.48
	HSDPA	1	22.66	22.67	22.40	18.91	18.92	18.65
		2	22.52	22.59	22.11	18.77	18.84	18.36
		3	22.43	22.45	22.44	18.68	18.7	18.69
		4	22.38	22.40	22.20	18.63	18.65	18.45
	HSUPA	1	22.48	22.52	22.13	18.73	18.77	18.38
		2	22.54	22.56	22.29	18.79	18.81	18.54
		3	22.43	22.46	22.25	18.68	18.71	18.50
		4	22.39	22.36	22.16	18.64	18.61	18.41
		5	22.34	22.28	22.19	18.59	18.53	18.44
	HSPA+	1	23.03	23.14	22.91	19.28	19.39	19.16

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)
For GSM850/WCDMA Band5: Antenna Gain =-1.6dBi =-3.75dBd (0dBd=2.15dBi)
Limit: ERP≤38.45dBm

PCS Band (Part 24E)

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)	EIRP(dBm)	Limit (dBm)
GSM	512	1850.2	26.02	25.52	33
	661	1880.0	26.01	25.51	33
	810	1909.8	26.10	25.60	33

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				EIRP(dBm)				Limit (dBm)
			1 slot	2 slots	3 slots	4 slots	1 slot	2 slots	3 slots	4 slots	
GPRS	512	1850.2	26.21	25.06	23.12	22.02	25.71	24.56	22.62	21.52	33
	661	1880.0	26.00	24.92	22.96	21.88	25.50	24.42	22.46	21.38	33
	810	1909.8	26.32	25.24	23.29	22.19	25.82	24.74	22.79	21.69	33

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				EIRP(dBm)				Limit (dBm)
			1 slot	2 slots	3 slots	4 slots	1 slot	2 slots	3 slots	4 slots	
EGPRS	512	1850.2	25.52	24.33	22.32	21.20	25.02	23.83	21.82	20.70	33
	661	1880.0	25.92	24.99	22.57	21.32	25.42	24.49	22.07	20.82	33
	810	1909.8	25.83	24.84	22.43	21.39	25.33	24.34	21.93	20.89	33

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
WCDMA (Band 2)	RMC12.2k		15.86	15.81	15.83	15.36	15.31	15.33
	HSDPA	1	14.68	14.63	14.73	14.18	14.13	14.23
		2	14.62	14.58	14.70	14.12	14.08	14.20
		3	14.59	14.57	14.64	14.09	14.07	14.14
		4	14.58	14.49	14.55	14.08	13.99	14.05
	HSUPA	1	15.22	15.26	15.21	14.72	14.76	14.71
		2	15.15	15.19	15.11	14.65	14.69	14.61
		3	15.09	15.17	15.06	14.59	14.67	14.56
		4	15.01	15.14	15.04	14.51	14.64	14.54
		5	15.22	15.26	15.21	14.72	14.76	14.71
	HSPA+	1	15.72	15.71	15.81	15.22	15.21	15.31

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
For PCS1900/WCDMA Band2: Antenna Gain = -0.5dBi
Limit: EIRP≤33dBm

AWS Band (Part 27)

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
WCDMA (Band 4)	RMC12.2k		17.62	17.54	17.66	16.92	16.84	16.96
	HSDPA	1	16.53	16.54	16.60	15.83	15.84	15.90
		2	16.50	16.49	16.56	15.80	15.79	15.86
		3	16.45	16.44	16.55	15.75	15.74	15.85
		4	16.35	16.44	16.52	15.65	15.74	15.82
	HSUPA	1	17.21	17.18	17.24	16.51	16.48	16.54
		2	17.15	17.13	17.19	16.45	16.43	16.49
		3	17.10	17.03	17.15	16.40	16.33	16.45
		4	17.09	16.94	17.10	16.39	16.24	16.40
		5	17.04	16.86	17.05	16.34	16.16	16.35
	HSPA+	1	17.56	17.62	17.71	16.86	16.92	17.01

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
For Band 4: Antenna Gain =-0.7dBi
Limit: EIRP≤30dBm

Peak-to-average ratio (PAR)

Cellular Band

Mode	Channel	PAR (dB)	Limit (dB)
GSM	Low	3.22	13
	Middle	3.26	13
	High	3.35	13

Mode	Channel	PAR (dB)	Limit (dB)
EGPRS	Low	3.16	13
	Middle	3.67	13
	High	3.23	13

Mode	Channel	PAR (dB)	Limit (dB)
RMC (BPSK)	Low	3.55	13
	Middle	3.17	13
	High	3.47	13
HSDPA (16QAM)	Low	3.07	13
	Middle	3.28	13
	High	3.61	13
HSUPA (BPSK)	Low	3.23	13
	Middle	3.39	13
	High	3.37	13
HSPA+	Low	3.18	13
	Middle	3.43	13
	High	3.52	13

PCS Band

Mode	Channel	PAR (dB)	Limit (dB)
GSM	Low	3.41	13
	Middle	3.09	13
	High	3.69	13

Mode	Channel	PAR (dB)	Limit (dB)
EGPRS	Low	3.24	13
	Middle	3.11	13
	High	3.46	13

Mode	Channel	PAR (dB)	Limit (dB)
RMC (BPSK)	Low	3.61	13
	Middle	3.56	13
	High	3.78	13
HSDPA (16QAM)	Low	3.14	13
	Middle	3.10	13
	High	3.39	13
HSUPA (BPSK)	Low	3.29	13
	Middle	3.45	13
	High	3.06	13
HSPA+	Low	3.26	13
	Middle	3.15	13
	High	3.24	13

AWS Band

Mode	Channel	PAR (dB)	Limit (dB)
RMC (BPSK)	Low	3.38	13
	Middle	3.11	13
	High	3.24	13
HSDPA (16QAM)	Low	3.20	13
	Middle	3.55	13
	High	3.66	13
HSUPA (BPSK)	Low	3.61	13
	Middle	3.71	13
	High	3.65	13
HSPA+	Low	3.58	13
	Middle	3.44	13
	High	3.37	13

LTE Band 2:

Maximum Output Power

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	RB1#0	17.09	17.2	17.12	16.59	16.7	16.62
		RB1#2	17.39	17.41	17.50	16.89	16.91	17
		RB1#5	17.24	17.22	17.32	16.74	16.72	16.82
		RB3#0	17.43	17.38	17.34	16.93	16.88	16.84
		RB3#1	17.13	17.31	17.40	16.63	16.81	16.9
		RB3#2	16.28	16.24	16.23	15.78	15.74	15.73
		RB6#0	17.33	17.26	17.15	16.83	16.76	16.65
	16QAM	RB1#0	17.43	17.43	17.61	16.93	16.93	17.11
		RB1#2	16.90	17.12	16.94	16.4	16.62	16.44
		RB1#5	17.54	17.56	17.38	17.04	17.06	16.88
		RB3#0	17.32	17.18	17.18	16.82	16.68	16.68
		RB3#1	16.05	16.16	16.26	15.55	15.66	15.76
		RB3#2	17.13	17.22	17.15	16.63	16.72	16.65
		RB6#0	17.31	17.37	17.23	16.81	16.87	16.73
3.0	QPSK	RB1#0	17.31	17.17	17.28	16.81	16.67	16.78
		RB1#7	17.28	17.39	17.38	16.78	16.89	16.88
		RB1#14	17.20	16.98	17.21	16.7	16.48	16.71
		RB8#0	17.26	17.10	17.40	16.76	16.6	16.9
		RB8#4	17.28	17.30	17.00	16.78	16.8	16.5
		RB8#7	15.94	15.94	15.91	15.44	15.44	15.41
		RB15#0	16.97	17.16	17.10	16.47	16.66	16.6
	16QAM	RB1#0	17.55	17.31	17.34	17.05	16.81	16.84
		RB1#7	17.00	17.23	16.97	16.5	16.73	16.47
		RB1#14	17.35	17.28	17.45	16.85	16.78	16.95
		RB8#0	17.08	16.99	17.16	16.58	16.49	16.66
		RB8#4	16.23	16.15	16.42	15.73	15.65	15.92
		RB8#7	17.25	17.13	17.22	16.75	16.63	16.72
		RB15#0	17.24	17.34	17.32	16.74	16.84	16.82

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	16.99	17.17	16.98	16.49	16.67	16.48
		RB1#12	17.31	17.35	17.23	16.81	16.85	16.73
		RB1#24	17.09	17.07	17.04	16.59	16.57	16.54
		RB12#0	17.42	17.20	17.07	16.92	16.7	16.57
		RB12#6	17.10	17.27	17.46	16.6	16.77	16.96
		RB12#11	15.99	16.13	16.20	15.49	15.63	15.7
		RB25#0	16.84	16.74	16.85	16.34	16.24	16.35
	16QAM	RB1#0	17.37	17.48	17.65	16.87	16.98	17.15
		RB1#12	17.13	17.04	16.86	16.63	16.54	16.36
		RB1#24	17.40	17.10	17.35	16.9	16.6	16.85
		RB12#0	17.25	17.51	17.59	16.75	17.01	17.09
		RB12#6	15.99	15.76	16.05	15.49	15.26	15.55
		RB12#11	16.93	17.12	16.93	16.43	16.62	16.43
		RB25#0	17.24	17.23	17.20	16.74	16.73	16.7
10.0	QPSK	RB1#0	17.26	17.38	17.31	16.76	16.88	16.81
		RB1#24	17.31	17.53	17.43	16.81	17.03	16.93
		RB1#49	17.29	17.23	17.26	16.79	16.73	16.76
		RB25#0	17.60	17.46	17.66	17.1	16.96	17.16
		RB25#12	17.45	17.33	17.42	16.95	16.83	16.92
		RB25#24	16.53	16.26	16.30	16.03	15.76	15.8
		RB50#0	17.47	17.63	17.55	16.97	17.13	17.05
	16QAM	RB1#0	17.73	17.66	17.78	17.23	17.16	17.28
		RB1#24	17.48	17.31	17.11	16.98	16.81	16.61
		RB1#49	17.43	17.24	17.53	16.93	16.74	17.03
		RB25#0	17.32	17.16	17.30	16.82	16.66	16.8
		RB25#12	16.29	16.30	16.38	15.79	15.8	15.88
		RB25#24	17.20	17.32	17.36	16.7	16.82	16.86
		RB50#0	17.35	17.56	17.41	16.85	17.06	16.91

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15.0	QPSK	RB1#0	17.05	17.20	17.04	16.55	16.7	16.54
		RB1#37	17.29	17.25	17.34	16.79	16.75	16.84
		RB1#74	17.23	17.03	17.00	16.73	16.53	16.5
		RB36#0	17.47	17.36	17.41	16.97	16.86	16.91
		RB36#18	17.20	17.31	17.24	16.7	16.81	16.74
		RB36#37	16.49	16.17	16.17	15.99	15.67	15.67
		RB75#0	17.40	17.46	17.32	16.9	16.96	16.82
	16QAM	RB1#0	17.63	17.57	17.71	17.13	17.07	17.21
		RB1#37	17.38	17.28	16.92	16.88	16.78	16.42
		RB1#74	17.26	17.21	17.35	16.76	16.71	16.85
		RB36#0	17.04	17.00	17.20	16.54	16.5	16.7
		RB36#18	16.12	16.13	16.24	15.62	15.63	15.74
		RB36#37	17.13	17.23	17.16	16.63	16.73	16.66
		RB75#0	17.20	17.27	17.22	16.7	16.77	16.72
20.0	QPSK	RB1#0	16.89	17.19	16.92	16.39	16.69	16.42
		RB1#49	17.23	17.06	17.31	16.73	16.56	16.81
		RB1#99	17.13	16.87	16.81	16.63	16.37	16.31
		RB50#0	17.45	17.23	17.36	16.95	16.73	16.86
		RB50#24	17.20	17.22	17.20	16.7	16.72	16.7
		RB50#49	16.45	16.06	16.06	15.95	15.56	15.56
		RB100#0	17.27	17.42	17.22	16.77	16.92	16.72
	16QAM	RB1#0	17.49	17.50	17.62	16.99	17	17.12
		RB1#49	17.38	17.15	16.89	16.88	16.65	16.39
		RB1#99	17.26	17.10	17.29	16.76	16.6	16.79
		RB50#0	17.02	16.98	17.12	16.52	16.48	16.62
		RB50#24	15.93	16.11	16.23	15.43	15.61	15.73
		RB50#49	16.80	17.23	16.78	16.3	16.73	16.28
		RB100#0	17.20	17.12	17.22	16.7	16.62	16.72

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
For Band2: Antenna Gain = -0.5dBi
Limit: EIRP≤33dBm

Peak-to-average ratio (PAR)

20MHz Bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	3.24	4.17	3.14	13	Pass
QPSK (100RB Size)	5.15	5.27	5.24	13	Pass
16QAM (1RB Size)	4.13	4.37	4.19	13	Pass
16QAM (100RB Size)	6.28	6.36	5.99	13	Pass

LTE Band 4

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	RB1#0	18.20	18.07	17.84	17.5	17.37	17.14
		RB1#2	18.23	18.12	18.18	17.53	17.42	17.48
		RB1#5	18.17	18.05	17.97	17.47	17.35	17.27
		RB3#0	18.24	18.22	18.18	17.54	17.52	17.48
		RB3#1	18.35	18.27	18.07	17.65	17.57	17.37
		RB3#2	18.24	18.14	18.17	17.54	17.44	17.47
		RB6#0	17.28	17.15	17.24	16.58	16.45	16.54
	16QAM	RB1#0	18.20	18.10	18.10	17.5	17.4	17.4
		RB1#2	18.22	18.16	18.24	17.52	17.46	17.54
		RB1#5	18.10	18.17	18.17	17.4	17.47	17.47
		RB3#0	17.90	17.84	17.96	17.2	17.14	17.26
		RB3#1	17.74	17.63	17.57	17.04	16.93	16.87
		RB3#2	18.13	18.01	17.54	17.43	17.31	16.84
		RB6#0	18.10	18.05	18.10	17.4	17.35	17.4
3.0	QPSK	RB1#0	18.15	18.08	18.15	17.45	17.38	17.45
		RB1#7	18.23	18.06	18.28	17.53	17.36	17.58
		RB1#14	18.18	18.07	18.28	17.48	17.37	17.58
		RB8#0	18.04	18.00	17.98	17.34	17.3	17.28
		RB8#4	18.12	18.39	18.24	17.42	17.69	17.54
		RB8#7	17.91	17.98	18.31	17.21	17.28	17.61
		RB15#0	16.98	17.18	17.02	16.28	16.48	16.32
	16QAM	RB1#0	18.20	18.07	18.08	17.5	17.37	17.38
		RB1#7	18.17	18.05	18.07	17.47	17.35	17.37
		RB1#14	18.41	18.26	18.18	17.71	17.56	17.48
		RB8#0	17.76	17.64	17.61	17.06	16.94	16.91
		RB8#4	17.57	17.50	17.59	16.87	16.8	16.89
		RB8#7	18.03	18.02	18.11	17.33	17.32	17.41
		RB15#0	18.10	18.02	18.20	17.4	17.32	17.5

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	18.45	18.19	18.12	17.75	17.49	17.42
		RB1#12	18.35	18.07	18.08	17.65	17.37	17.38
		RB1#24	18.06	17.85	17.99	17.36	17.15	17.29
		RB12#0	18.27	18.5	18.56	17.57	17.8	17.86
		RB12#6	18.42	18.59	18.23	17.72	17.89	17.53
		RB12#11	18.31	18.26	18.15	17.61	17.56	17.45
		RB25#0	17.15	17.02	16.97	16.45	16.32	16.27
	16QAM	RB1#0	17.32	16.95	16.91	16.62	16.25	16.21
		RB1#12	17.1	16.86	17.14	16.4	16.16	16.44
		RB1#24	16.82	16.95	16.73	16.12	16.25	16.03
		RB12#0	16.72	17.09	17.25	16.02	16.39	16.55
		RB12#6	16.75	16.88	16.94	16.05	16.18	16.24
		RB12#11	16.66	17.09	17.12	15.96	16.39	16.42
		RB25#0	16.31	15.9	16.48	15.61	15.2	15.78
10.0	QPSK	RB1#0	18.11	18.24	18.32	17.41	17.54	17.62
		RB1#24	18.33	18.17	18.08	17.63	17.47	17.38
		RB1#49	18.18	17.81	17.97	17.48	17.11	17.27
		RB25#0	18.26	18.32	18.18	17.56	17.62	17.48
		RB25#12	18.33	18.48	18.24	17.63	17.78	17.54
		RB25#24	18.38	18.11	18.16	17.68	17.41	17.46
		RB50#0	17.16	17.12	16.85	16.46	16.42	16.15
	16QAM	RB1#0	17.14	16.79	17.13	16.44	16.09	16.43
		RB1#24	17.28	16.91	17.03	16.58	16.21	16.33
		RB1#49	16.7	16.9	16.95	16	16.2	16.25
		RB25#0	16.78	17.2	17.21	16.08	16.5	16.51
		RB25#12	16.82	16.84	17.08	16.12	16.14	16.38
		RB25#24	16.6	17.27	17.12	15.9	16.57	16.42
		RB50#0	16.48	16.06	16.3	15.78	15.36	15.6

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15.0	QPSK	RB1#0	18.36	18.54	18.31	17.66	17.84	17.61
		RB1#37	18.21	17.97	17.86	17.51	17.27	17.16
		RB1#74	18.2	17.9	17.81	17.5	17.2	17.11
		RB36#0	18.48	18.42	18.48	17.78	17.72	17.78
		RB36#18	18.2	18.29	18.45	17.5	17.59	17.75
		RB36#37	18.22	18.15	18.24	17.52	17.45	17.54
		RB75#0	17.19	17.16	17.07	16.49	16.46	16.37
	16QAM	RB1#0	17.09	16.74	16.98	16.39	16.04	16.28
		RB1#37	17.36	16.9	17.09	16.66	16.2	16.39
		RB1#74	16.91	16.85	16.8	16.21	16.15	16.1
		RB36#0	16.94	17.17	17.25	16.24	16.47	16.55
		RB36#18	16.98	16.68	16.83	16.28	15.98	16.13
		RB36#37	16.76	16.86	17.07	16.06	16.16	16.37
		RB75#0	16.45	16.13	16.13	15.75	15.43	15.43
20.0	QPSK	RB1#0	18.46	18.1	18.35	17.76	17.4	17.65
		RB1#49	18.38	18.14	18	17.68	17.44	17.3
		RB1#99	18.21	17.79	18.01	17.51	17.09	17.31
		RB50#0	18.44	18.5	18.4	17.74	17.8	17.7
		RB50#24	18.25	18.42	18.51	17.55	17.72	17.81
		RB50#49	18.44	18.22	18.23	17.74	17.52	17.53
		RB100#0	17.09	17.05	17.17	16.39	16.35	16.47
	16QAM	RB1#0	17.21	16.8	16.72	16.51	16.1	16.02
		RB1#49	17.33	17.03	17.18	16.63	16.33	16.48
		RB1#99	16.96	16.82	16.83	16.26	16.12	16.13
		RB50#0	16.65	17.02	17.13	15.95	16.32	16.43
		RB50#24	16.79	16.61	16.8	16.09	15.91	16.1
		RB50#49	16.71	17.14	17.13	16.01	16.44	16.43
		RB100#0	16.48	15.97	16.33	15.78	15.27	15.63

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
For Band4: Antenna Gain = -0.7dBi
Limit: EIRP≤30dBm

Peak-to-average ratio (PAR)

20MHz Bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	4.41	4.28	4.36	13	Pass
QPSK (100RB Size)	5.59	5.51	5.86	13	Pass
16QAM (1RB Size)	5.23	5.17	4.94	13	Pass
16QAM (100RB Size)	6.21	6.12	6.24	13	Pass

LTE Band 5:

Maximum Output Power

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP(dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	RB1#0	22.55	21.96	22.05	18.8	18.21	18.3
		RB1#2	22.01	21.74	22.07	18.26	17.99	18.32
		RB1#5	21.98	21.83	21.62	18.23	18.08	17.87
		RB3#0	21.68	21.91	21.93	17.93	18.16	18.18
		RB3#1	22.06	22.45	22.65	18.31	18.7	18.9
		RB3#2	22.26	22.69	21.68	18.51	18.94	17.93
		RB6#0	21.26	20.86	20.69	17.51	17.11	16.94
	16QAM	RB1#0	21.24	21.20	20.34	17.49	17.45	16.59
		RB1#2	21.18	20.82	20.81	17.43	17.07	17.06
		RB1#5	21.08	20.46	20.72	17.33	16.71	16.97
		RB3#0	20.76	21.15	21.25	17.01	17.4	17.5
		RB3#1	21.24	20.83	20.76	17.49	17.08	17.01
		RB3#2	20.16	21.09	20.86	16.41	17.34	17.11
		RB6#0	20.15	20.34	20.63	16.4	16.59	16.88
3.0	QPSK	RB1#0	22.34	22.38	21.86	18.59	18.63	18.11
		RB1#7	21.69	22.11	21.96	17.94	18.36	18.21
		RB1#14	21.64	21.75	22.28	17.89	18	18.53
		RB8#0	22.43	22.55	22.08	18.68	18.8	18.33
		RB8#4	22.45	22.30	21.95	18.7	18.55	18.2
		RB8#7	22.07	22.71	22.36	18.32	18.96	18.61
		RB15#0	21.26	20.35	20.49	17.51	16.6	16.74
	16QAM	RB1#0	20.81	21.03	20.92	17.06	17.28	17.17
		RB1#7	21.33	20.80	21.09	17.58	17.05	17.34
		RB1#14	20.50	20.32	20.76	16.75	16.57	17.01
		RB8#0	20.59	21.10	21.28	16.84	17.35	17.53
		RB8#4	20.84	20.82	20.74	17.09	17.07	16.99
		RB8#7	19.95	21.05	20.71	16.2	17.3	16.96
		RB15#0	22.11	22.18	22.22	18.36	18.43	18.47

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	21.90	22.46	22.31	18.15	18.71	18.56
		RB1#12	22.30	21.49	22.17	18.55	17.74	18.42
		RB1#24	21.82	21.75	21.84	18.07	18.00	18.09
		RB12#0	22.36	22.16	22.00	18.61	18.41	18.25
		RB12#6	22.04	21.84	22.11	18.29	18.09	18.36
		RB12#11	22.56	22.68	22.24	18.81	18.93	18.49
		RB25#0	20.73	20.68	20.54	16.98	16.93	16.79
	16QAM	RB1#0	21.42	20.42	20.46	17.67	16.67	16.71
		RB1#12	21.37	21.09	20.76	17.62	17.34	17.01
		RB1#24	20.75	20.41	20.94	17.00	16.66	17.19
		RB12#0	21.18	20.58	21.12	17.43	16.83	17.37
		RB12#6	20.83	20.75	21.28	17.08	17.00	17.53
		RB12#11	20.78	21.25	20.87	17.03	17.50	17.12
		RB25#0	20.10	20.05	20.46	16.35	16.30	16.71
10.0	QPSK	RB1#0	22.35	22.08	21.91	18.60	18.33	18.16
		RB1#24	21.96	22.37	22.17	18.21	18.62	18.42
		RB1#49	22.04	21.78	21.53	18.29	18.03	17.78
		RB25#0	22.13	22.71	22.47	18.38	18.96	18.72
		RB25#12	21.74	22.00	22.03	17.99	18.25	18.28
		RB25#24	22.15	22.32	21.88	18.40	18.57	18.13
		RB50#0	21.17	21.07	21.26	17.42	17.32	17.51
	16QAM	RB1#0	21.26	20.40	20.67	17.51	16.65	16.92
		RB1#24	20.80	20.65	20.91	17.05	16.90	17.16
		RB1#49	20.44	20.37	20.93	16.69	16.62	17.18
		RB25#0	20.67	21.19	21.52	16.92	17.44	17.77
		RB25#12	20.67	20.92	21.18	16.92	17.17	17.43
		RB25#24	20.99	21.17	20.87	17.24	17.42	17.12
		RB50#0	20.17	20.45	20.54	16.42	16.70	16.79

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)
For Band5: Antenna Gain = -1.6dBi = -3.75dBd (0dBd=2.15dBi)
Limit: ERP≤38.45dBm

Peak-to-average ratio (PAR)

10MHz bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	4.26	4.38	4.28	13	Pass
QPSK (50RB Size)	5.34	5.61	5.59	13	Pass
16QAM (1RB Size)	5.39	4.55	5.32	13	Pass
16QAM (50RB Size)	6.27	6.66	6.32	13	Pass

LTE Band 7:

Maximum Output Power

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	18.38	18.11	18.08	17.98	17.71	17.68
		RB1#12	17.88	17.97	17.79	17.48	17.57	17.39
		RB1#24	17.7	17.58	17.71	17.3	17.18	17.31
		RB12#0	18.09	18.19	18.09	17.69	17.79	17.69
		RB12#6	18.02	18.17	17.94	17.62	17.77	17.54
		RB12#11	18.06	18.01	17.96	17.66	17.61	17.56
		RB25#0	16.97	16.62	16.68	16.57	16.22	16.28
	16QAM	RB1#0	17.08	16.69	16.56	16.68	16.29	16.16
		RB1#12	17.2	16.85	16.66	16.8	16.45	16.26
		RB1#24	16.43	16.57	16.57	16.03	16.17	16.17
		RB12#0	16.29	16.76	16.94	15.89	16.36	16.54
		RB12#6	16.39	16.69	16.57	15.99	16.29	16.17
		RB12#11	16.25	16.87	17.01	15.85	16.47	16.61
		RB25#0	16.01	15.9	16.04	15.61	15.5	15.64
10.0	QPSK	RB1#0	18.15	18.07	17.92	17.75	17.67	17.52
		RB1#24	17.8	17.7	17.79	17.4	17.3	17.39
		RB1#49	17.67	17.59	17.75	17.27	17.19	17.35
		RB25#0	18.21	18.22	17.89	17.81	17.82	17.49
		RB25#12	17.84	18.19	18.3	17.44	17.79	17.9
		RB25#24	17.81	18.01	18.07	17.41	17.61	17.67
		RB50#0	16.69	16.62	16.73	16.29	16.22	16.33
	16QAM	RB1#0	16.84	16.38	16.5	16.44	15.98	16.1
		RB1#24	16.93	16.56	16.73	16.53	16.16	16.33
		RB1#49	16.55	16.74	16.71	16.15	16.34	16.31
		RB25#0	16.34	16.65	16.69	15.94	16.25	16.29
		RB25#12	16.4	16.59	16.59	16	16.19	16.19
		RB25#24	16.5	16.81	16.84	16.1	16.41	16.44
		RB50#0	16.19	16.11	16.02	15.79	15.71	15.62

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15.0	QPSK	RB1#0	18.15	18.37	18.24	17.75	17.97	17.84
		RB1#37	18.03	17.82	17.5	17.63	17.42	17.1
		RB1#74	18.06	17.66	17.37	17.66	17.26	16.97
		RB36#0	18.24	17.81	18.24	17.84	17.41	17.84
		RB36#18	18.44	18.22	17.99	18.04	17.82	17.59
		RB36#37	17.59	17.62	17.71	17.19	17.22	17.31
		RB75#0	16.57	16.67	16.68	16.17	16.27	16.28
	16QAM	RB1#0	17.04	16.55	16.54	16.64	16.15	16.14
		RB1#37	16.95	16.69	16.92	16.55	16.29	16.52
		RB1#74	16.86	16.46	16.46	16.46	16.06	16.06
		RB36#0	16.16	16.83	16.46	15.76	16.43	16.06
		RB36#18	16.62	16.79	16.48	16.22	16.39	16.08
		RB36#37	16.36	16.82	16.9	15.96	16.42	16.5
		RB75#0	16.23	15.77	16.07	15.83	15.37	15.67
20.0	QPSK	RB1#0	18.37	18.35	18.24	17.97	17.95	17.84
		RB1#49	17.8	17.69	17.77	17.4	17.29	17.37
		RB1#99	17.65	17.78	17.7	17.25	17.38	17.3
		RB50#0	17.89	18.11	18.02	17.49	17.71	17.62
		RB50#24	17.94	17.99	18.18	17.54	17.59	17.78
		RB50#49	18.1	18.16	17.97	17.7	17.76	17.57
		RB100#0	16.66	16.88	16.65	16.26	16.48	16.25
	16QAM	RB1#0	16.88	16.41	16.8	16.48	16.01	16.4
		RB1#49	17.25	16.61	16.83	16.85	16.21	16.43
		RB1#99	16.65	16.37	16.87	16.25	15.97	16.47
		RB50#0	16.46	16.71	16.89	16.06	16.31	16.49
		RB50#24	16.7	16.64	16.89	16.3	16.24	16.49
		RB50#49	16.23	17.01	16.88	15.83	16.61	16.48
		RB100#0	16.31	15.93	16.01	15.91	15.53	15.61

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
For Band 7: Antenna Gain = -0.4dBi
Limit: EIRP≤33dBm

Peak-to-average ratio (PAR)

20MHz bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	4.79	4.51	3.64	13	Pass
QPSK (100RB Size)	5.47	5.62	5.46	13	Pass
16QAM (1RB Size)	5.41	5.61	4.57	13	Pass
16QAM (100RB Size)	6.13	6.39	6.26	13	Pass

LTE Band 17:

Maximum Output Power

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	22.70	22.75	22.65	18.65	18.70	18.60
		RB1#12	22.71	22.57	22.54	18.66	18.52	18.49
		RB1#24	22.71	22.23	22.45	18.66	18.18	18.40
		RB12#0	21.76	21.75	21.73	17.71	17.70	17.68
		RB12#6	21.74	21.74	21.70	17.69	17.69	17.65
		RB12#11	21.71	21.77	21.71	17.66	17.72	17.66
		RB25#0	21.68	21.99	21.71	17.63	17.94	17.66
	16QAM	RB1#0	21.54	21.94	21.60	17.49	17.89	17.55
		RB1#12	21.54	21.89	21.61	17.49	17.84	17.56
		RB1#24	20.77	20.77	20.80	16.72	16.72	16.75
		RB12#0	20.74	20.73	20.74	16.69	16.68	16.69
		RB12#6	20.74	20.80	20.05	16.69	16.75	16.00
		RB12#11	20.78	21.25	20.87	16.73	17.20	16.82
		RB25#0	20.10	20.05	20.46	16.05	16.00	16.41
10.0	QPSK	RB1#0	22.79	22.30	22.24	18.74	18.25	18.19
		RB1#24	22.86	22.37	22.36	18.81	18.32	18.31
		RB1#49	22.71	22.22	22.18	18.66	18.17	18.13
		RB25#0	21.89	21.38	21.41	17.84	17.33	17.36
		RB25#12	21.81	21.35	21.29	17.76	17.30	17.24
		RB25#24	21.28	20.98	20.47	17.23	16.93	16.42
		RB50#0	21.66	21.45	21.44	17.61	17.40	17.39
	16QAM	RB1#0	21.71	21.54	21.52	17.66	17.49	17.47
		RB1#24	21.49	21.35	21.35	17.44	17.30	17.30
		RB1#49	20.87	20.43	20.42	16.82	16.38	16.37
		RB25#0	20.89	20.41	20.36	16.84	16.36	16.31
		RB25#12	20.35	20.09	20.15	16.30	16.04	16.10
		RB25#24	20.99	21.17	20.87	16.94	17.12	16.82
		RB50#0	20.17	20.45	20.54	16.12	16.40	16.49

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
For Band 17: Antenna Gain = -1.9dBi=-4.05dBd(0dBd=2.15dBi)
Limit: EIRP≤34.77dBm

Peak-to-average ratio (PAR)

10MHz bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	4.33	4.41	4.27	13	Pass
QPSK (50RB Size)	5.28	5.22	5.36	13	Pass
16QAM (1RB Size)	5.31	5.42	5.44	13	Pass
16QAM (50RB Size)	6.39	6.28	6.37	13	Pass

LTE Band 38

Maximum Output Power

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	RB1#0	15.07	15.01	15.06	14.67	14.61	14.66
		RB1#12	14.78	14.88	14.82	14.38	14.48	14.42
		RB1#24	14.78	14.7	14.84	14.38	14.3	14.44
		RB12#0	14.59	14.75	14.74	14.19	14.35	14.34
		RB12#6	14.57	14.54	14.93	14.17	14.14	14.53
		RB12#11	14.54	14.74	14.85	14.14	14.34	14.45
		RB25#0	14.72	14.81	14.74	14.32	14.41	14.34
	16QAM	RB1#0	14.71	14.8	14.69	14.31	14.4	14.29
		RB1#12	14.84	14.86	14.61	14.44	14.46	14.21
		RB1#24	14.69	14.74	14.59	14.29	14.34	14.19
		RB12#0	14.8	14.49	14.88	14.4	14.09	14.48
		RB12#6	14.9	14.53	14.91	14.5	14.13	14.51
		RB12#11	14.61	14.95	14.97	14.21	14.55	14.57
		RB25#0	14.04	13.83	13.96	13.64	13.43	13.56
10	QPSK	RB1#0	15.11	15.05	15.04	14.71	14.65	14.64
		RB1#24	14.6	14.49	14.57	14.2	14.09	14.17
		RB1#49	14.45	14.58	14.5	14.05	14.18	14.1
		RB25#0	14.69	14.91	14.82	14.29	14.51	14.42
		RB25#12	14.74	14.79	14.98	14.34	14.39	14.58
		RB25#24	14.9	14.96	14.77	14.5	14.56	14.37
		RB50#0	14.46	14.68	14.45	14.06	14.28	14.05
	16QAM	RB1#0	14.68	14.21	14.6	14.28	13.81	14.2
		RB1#24	15.05	14.41	14.63	14.65	14.01	14.23
		RB1#49	14.45	14.17	14.67	14.05	13.77	14.27
		RB25#0	14.26	14.51	14.69	13.86	14.11	14.29
		RB25#12	14.5	14.44	14.69	14.1	14.04	14.29
		RB25#24	14.03	14.81	14.68	13.63	14.41	14.28
		RB50#0	14.11	13.73	13.81	13.71	13.33	13.41

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	RB1#0	15.06	15	15.14	14.66	14.6	14.74
		RB1#37	14.42	14.89	14.67	14.02	14.49	14.27
		RB1#74	14.7	14.89	14.68	14.3	14.49	14.28
		RB36#0	14.82	14.58	14.77	14.42	14.18	14.37
		RB36#18	14.63	14.84	14.55	14.23	14.44	14.15
		RB36#37	14.61	14.95	14.85	14.21	14.55	14.45
		RB75#0	14.73	14.57	14.82	14.33	14.17	14.42
	16QAM	RB1#0	14.51	14.82	14.63	14.11	14.42	14.23
		RB1#37	14.73	14.98	15.05	14.33	14.58	14.65
		RB1#74	14.56	14.9	14.57	14.16	14.5	14.17
		RB36#0	14.91	14.8	15.03	14.51	14.4	14.63
		RB36#18	15.05	14.97	14.85	14.65	14.57	14.45
		RB36#37	14.91	14.54	15.15	14.51	14.14	14.75
		RB75#0	13.82	13.75	13.85	13.42	13.35	13.45
20	QPSK	RB1#0	14.9	15.02	14.84	14.5	14.62	14.44
		RB1#49	14.67	14.57	14.81	14.27	14.17	14.41
		RB1#99	14.56	14.6	14.96	14.16	14.2	14.56
		RB50#0	14.4	14.59	14.67	14	14.19	14.27
		RB50#24	14.77	14.67	14.64	14.37	14.27	14.24
		RB50#49	14.53	14.79	14.54	14.13	14.39	14.14
		RB100#0	14.71	14.79	14.95	14.31	14.39	14.55
	16QAM	RB1#0	14.69	14.79	14.63	14.29	14.39	14.23
		RB1#49	14.9	14.77	15.09	14.5	14.37	14.69
		RB1#99	14.77	14.75	14.86	14.37	14.35	14.46
		RB50#0	14.61	14.77	14.77	14.21	14.37	14.37
		RB50#24	14.72	14.63	14.59	14.32	14.23	14.19
		RB50#49	13.99	14.46	14.76	13.59	14.06	14.36
		RB100#0	13.79	13.9	13.59	13.39	13.5	13.19

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
For Band 38: Antenna Gain = -0.4dBi
Limit: EIRP≤33dBm

Peak-to-average ratio (PAR)

20MHz bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	4.23	4.26	4.33	13	Pass
QPSK (100RB Size)	5.32	5.25	5.12	13	Pass
16QAM (1RB Size)	5.35	5.30	5.42	13	Pass
16QAM (100RB Size)	6.10	6.21	6.75	13	Pass

LTE Band 41:

Maximum Output Power

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	RB1#0	15.28	15.18	15.08	14.88	14.78	14.68
		RB1#12	14.89	15.04	15.00	14.49	14.64	14.60
		RB1#24	14.85	14.76	14.89	14.45	14.36	14.49
		RB12#0	14.83	14.84	14.89	14.43	14.44	14.49
		RB12#6	14.77	14.92	14.95	14.37	14.52	14.55
		RB12#11	15.00	14.74	15.07	14.60	14.34	14.67
		RB25#0	14.64	14.82	14.78	14.24	14.42	14.38
	16QAM	RB1#0	14.75	14.73	14.93	14.35	14.33	14.53
		RB1#12	14.74	15.12	15.03	14.34	14.72	14.63
		RB1#24	15.16	15.10	14.84	14.76	14.70	14.44
		RB12#0	14.89	15.19	14.87	14.49	14.79	14.47
		RB12#6	14.92	14.82	14.96	14.52	14.42	14.56
		RB12#11	13.90	14.43	14.91	13.50	14.03	14.51
		RB25#0	13.84	14.27	14.21	13.44	13.87	13.81
10	QPSK	RB1#0	15.25	15.31	15.23	14.85	14.91	14.83
		RB1#24	14.95	14.77	14.99	14.55	14.37	14.59
		RB1#49	14.80	14.86	15.08	14.40	14.46	14.68
		RB25#0	14.72	14.98	14.85	14.32	14.58	14.45
		RB25#12	14.94	14.87	14.99	14.54	14.47	14.59
		RB25#24	14.84	14.95	14.88	14.44	14.55	14.48
		RB50#0	14.94	14.77	14.90	14.54	14.37	14.50
	16QAM	RB1#0	14.99	14.81	15.10	14.59	14.41	14.70
		RB1#24	15.02	14.98	14.77	14.62	14.58	14.37
		RB1#49	15.15	15.16	14.94	14.75	14.76	14.54
		RB25#0	14.89	15.05	15.12	14.49	14.65	14.72
		RB25#12	14.93	14.83	15.15	14.53	14.43	14.75
		RB25#24	13.77	14.72	14.84	13.37	14.32	14.44
		RB50#0	13.93	13.95	13.95	13.53	13.55	13.55

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	RB1#0	15.17	15.45	15.20	14.77	15.05	14.80
		RB1#37	14.84	14.87	14.94	14.44	14.47	14.54
		RB1#74	14.89	14.90	15.02	14.49	14.50	14.62
		RB36#0	14.86	14.78	14.82	14.46	14.38	14.42
		RB36#18	15.07	15.04	15.21	14.67	14.64	14.81
		RB36#37	15.05	15.07	15.09	14.65	14.67	14.69
		RB75#0	15.02	14.95	14.85	14.62	14.55	14.45
	16QAM	RB1#0	14.87	14.88	14.93	14.47	14.48	14.53
		RB1#37	15.16	14.92	14.80	14.76	14.52	14.40
		RB1#74	14.83	14.91	14.80	14.43	14.51	14.40
		RB36#0	15.05	15.30	15.21	14.65	14.90	14.81
		RB36#18	14.74	15.16	14.85	14.34	14.76	14.45
		RB36#37	13.79	14.74	14.82	13.39	14.34	14.42
		RB75#0	14.03	13.96	14.01	13.63	13.56	13.61
20	QPSK	RB1#0	15.05	15.40	15.08	14.65	15.00	14.68
		RB1#49	14.86	14.99	14.80	14.46	14.59	14.40
		RB1#99	14.70	14.97	14.93	14.30	14.57	14.53
		RB50#0	14.98	14.93	14.96	14.58	14.53	14.56
		RB50#24	14.81	14.69	14.97	14.41	14.29	14.57
		RB50#49	14.80	14.86	15.01	14.40	14.46	14.61
		RB100#0	14.83	14.73	15.01	14.43	14.33	14.61
	16QAM	RB1#0	14.92	14.85	14.77	14.52	14.45	14.37
		RB1#49	15.03	15.02	15.08	14.63	14.62	14.68
		RB1#99	15.06	15.10	15.02	14.66	14.70	14.62
		RB50#0	15.05	14.84	14.83	14.65	14.44	14.43
		RB50#24	15.14	15.04	14.92	14.74	14.64	14.52
		RB50#49	14.19	14.55	14.74	13.79	14.15	14.34
		RB100#0	15.05	15.40	15.08	14.65	15.00	14.68

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
For Band 41: Antenna Gain =-0.4dBi
Limit: EIRP≤33dBm

Peak-to-average ratio (PAR)

10MHz bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	4.57	4.48	4.42	13	Pass
QPSK (50RB Size)	5.49	5.32	5.21	13	Pass
16QAM (1RB Size)	5.41	5.54	5.58	13	Pass
16QAM (50RB Size)	6.69	6.31	6.26	13	Pass

LTE Band 66:

Maximum Output Power

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	RB1#0	17.34	17.39	17.16	16.64	16.69	16.46
		RB1#2	17.51	17.60	17.26	16.81	16.90	16.56
		RB1#5	17.37	17.39	17.19	16.67	16.69	16.49
		RB3#0	17.48	17.47	17.30	16.78	16.77	16.60
		RB3#1	17.44	17.50	17.28	16.74	16.80	16.58
		RB3#2	16.42	16.40	16.30	15.72	15.70	15.60
		RB6#0	16.50	16.67	16.35	15.80	15.97	15.65
	16QAM	RB1#0	16.66	16.68	16.54	15.96	15.98	15.84
		RB1#2	16.50	16.52	16.35	15.80	15.82	15.65
		RB1#5	16.42	16.43	16.32	15.72	15.73	15.62
		RB3#0	16.44	16.47	16.32	15.74	15.77	15.62
		RB3#1	15.46	15.48	15.35	14.76	14.78	14.65
		RB3#2	17.15	17.23	17.02	16.45	16.53	16.32
		RB6#0	17.15	17.35	17.22	16.45	16.65	16.52
3.0	QPSK	RB1#0	17.39	17.52	17.42	16.69	16.82	16.72
		RB1#7	17.76	17.83	17.29	17.06	17.13	16.59
		RB1#14	17.64	17.51	17.36	16.94	16.81	16.66
		RB8#0	17.59	17.67	17.52	16.89	16.97	16.82
		RB8#4	17.67	17.80	17.42	16.97	17.10	16.72
		RB8#7	16.68	16.55	16.32	15.98	15.85	15.62
		RB15#0	16.76	16.75	16.45	16.06	16.05	15.75
	16QAM	RB1#0	16.90	16.69	16.75	16.20	15.99	16.05
		RB1#7	16.62	16.65	16.42	15.92	15.95	15.72
		RB1#14	16.67	16.70	16.61	15.97	16.00	15.91
		RB8#0	16.50	16.70	16.53	15.80	16.00	15.83
		RB8#4	15.76	15.76	15.42	15.06	15.06	14.72
		RB8#7	17.39	17.52	17.42	16.69	16.82	16.72
		RB15#0	17.33	17.25	17.32	16.63	16.55	16.62

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	18.37	18.43	18.21	17.67	17.73	17.51
		RB1#12	18.46	18.46	18.28	17.76	17.76	17.58
		RB1#24	18.39	18.35	18.18	17.69	17.65	17.48
		RB12#0	16.73	16.60	16.82	16.03	15.90	16.12
		RB12#6	16.78	16.60	16.78	16.08	15.90	16.08
		RB12#11	17.47	17.16	16.50	16.77	16.46	15.80
		RB25#0	17.65	17.72	17.52	16.95	17.02	16.82
	16QAM	RB1#0	17.78	17.75	17.60	17.08	17.05	16.90
		RB1#12	17.72	17.67	17.49	17.02	16.97	16.79
		RB1#24	16.11	16.16	16.24	15.41	15.46	15.54
		RB12#0	16.28	16.23	16.37	15.58	15.53	15.67
		RB12#6	16.54	16.37	16.46	15.84	15.67	15.76
		RB12#11	16.51	16.46	16.36	15.81	15.76	15.66
		RB25#0	16.11	16.25	16.06	15.41	15.55	15.36
10.0	QPSK	RB1#0	17.75	17.77	17.61	17.05	17.07	16.91
		RB1#24	17.96	17.90	17.67	17.26	17.20	16.97
		RB1#49	17.76	17.69	17.53	17.06	16.99	16.83
		RB25#0	16.61	16.89	15.88	15.91	16.19	15.18
		RB25#12	16.48	16.00	16.40	15.78	15.30	15.70
		RB25#24	16.23	16.60	15.97	15.53	15.90	15.27
		RB50#0	16.88	16.91	16.78	16.18	16.21	16.08
	16QAM	RB1#0	17.05	17.05	16.91	16.35	16.35	16.21
		RB1#24	16.91	16.84	16.71	16.21	16.14	16.01
		RB1#49	16.33	16.28	15.90	15.63	15.58	15.20
		RB25#0	15.95	16.11	16.03	15.25	15.41	15.33
		RB25#12	15.70	16.40	16.23	15.00	15.70	15.53
		RB25#24	15.72	15.79	15.67	15.02	15.09	14.97
		RB50#0	15.93	15.95	15.65	15.23	15.25	14.95

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15.0	QPSK	RB1#0	18.27	18.3	18.37	17.57	17.6	17.67
		RB1#37	18.21	18.42	18.45	17.51	17.72	17.75
		RB1#74	18.23	18.37	18.35	17.53	17.67	17.65
		RB36#0	18.22	18.26	18.32	17.52	17.56	17.62
		RB36#18	18.29	18.26	18.26	17.59	17.56	17.56
		RB36#37	17.3	17.31	17.34	16.6	16.61	16.64
		RB75#0	17.04	17.11	17.08	16.34	16.41	16.38
	16QAM	RB1#0	17.41	17.37	17.42	16.71	16.67	16.72
		RB1#37	17.52	17.46	17.52	16.82	16.76	16.82
		RB1#74	17.64	17.6	17.53	16.94	16.9	16.83
		RB36#0	17.22	17.3	17.34	16.52	16.6	16.64
		RB36#18	17.2	17.31	17.45	16.5	16.61	16.75
		RB36#37	16.36	16.27	16.35	15.66	15.57	15.65
		RB75#0	16.24	15.95	16.05	15.54	15.25	15.35
20.0	QPSK	RB1#0	18.38	18.29	18.36	17.68	17.59	17.66
		RB1#49	18.13	18.28	18.32	17.43	17.58	17.62
		RB1#99	18.3	18.31	18.34	17.6	17.61	17.64
		RB50#0	17.34	17.37	17.36	16.64	16.67	16.66
		RB50#24	17.33	17.32	17.33	16.63	16.62	16.63
		RB50#49	17.34	17.38	17.37	16.64	16.68	16.67
		RB100#0	17.16	17.07	16.98	16.46	16.37	16.28
	16QAM	RB1#0	17.49	17.65	17.58	16.79	16.95	16.88
		RB1#49	17.33	17.48	17.54	16.63	16.78	16.84
		RB1#99	17.38	17.26	17.46	16.68	16.56	16.76
		RB50#0	16.47	16.29	16.27	15.77	15.59	15.57
		RB50#24	16.28	16.27	16.22	15.58	15.57	15.52
		RB50#49	16.33	16.31	16.37	15.63	15.61	15.67
		RB100#0	16.14	16.22	16.07	15.44	15.52	15.37

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
For Band 66: Antenna Gain = -0.7dBi
Limit: EIRP≤30dBm

Peak-to-average ratio (PAR)

20MHz bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	4.12	4.31	4.36	13	Pass
QPSK (100RB Size)	5.30	5.08	4.85	13	Pass
16QAM (1RB Size)	5.28	5.46	5.32	13	Pass
16QAM (100RB Size)	6.30	6.00	6.09	13	Pass

FCC §2.1049, §22.917, §22.905 & §24.238 & §27.53 - OCCUPIED BANDWIDTH

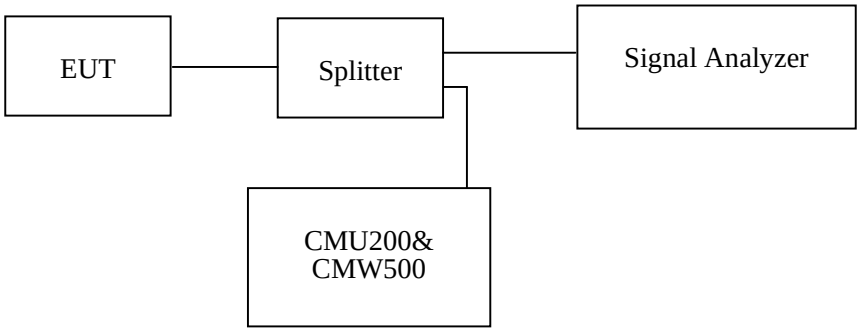
Applicable Standard

FCC 47 §2.1049, §22.917, §22.905, §24.238 and §27.53.

Test Procedure

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set at 1% to 5% of the anticipated emission bandwidth and the 26 dB & 99% bandwidth was recorded.



Test Data

Environmental Conditions

Temperature:	25 ℃
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

The testing was performed by Gavin Guo from 2021-02-19 to 2021-03-22.

EUT operation mode: Transmitting

Test Result: Pass

Please refer to the following tables and plots.

Cellular Band (Part 22H)

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26 dB Emission Bandwidth (kHz)
GSM(GMSK)	128	824.2	246.020	315.500
	190	836.6	244.573	319.800
	251	848.8	246.020	315.500
EGPRS(8PSK)	128	824.2	251.809	321.300
	190	836.6	251.809	328.500
	251	848.8	251.809	324.200

Frequency (MHz)		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
RMC	826.4	4.139	4.703
	836.6	4.168	4.703
	846.6	4.168	4.703
HSDPA	826.4	4.168	4.703
	836.6	4.182	4.703
	846.6	4.211	5.094
HSUPA	826.4	4.197	4.978
	836.6	4.211	4.891
	846.6	4.182	4.718

PCS Band (Part 24E)

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26 dB Emission Bandwidth (kHz)
GSM(GMSK)	512	1850.2	244.573	322.700
	661	1880.0	244.573	315.500
	810	1909.8	244.573	319.800
EGPRS(8PSK)	512	1850.2	248.915	322.700
	661	1880.0	253.256	324.200
	810	1909.8	253.256	325.600

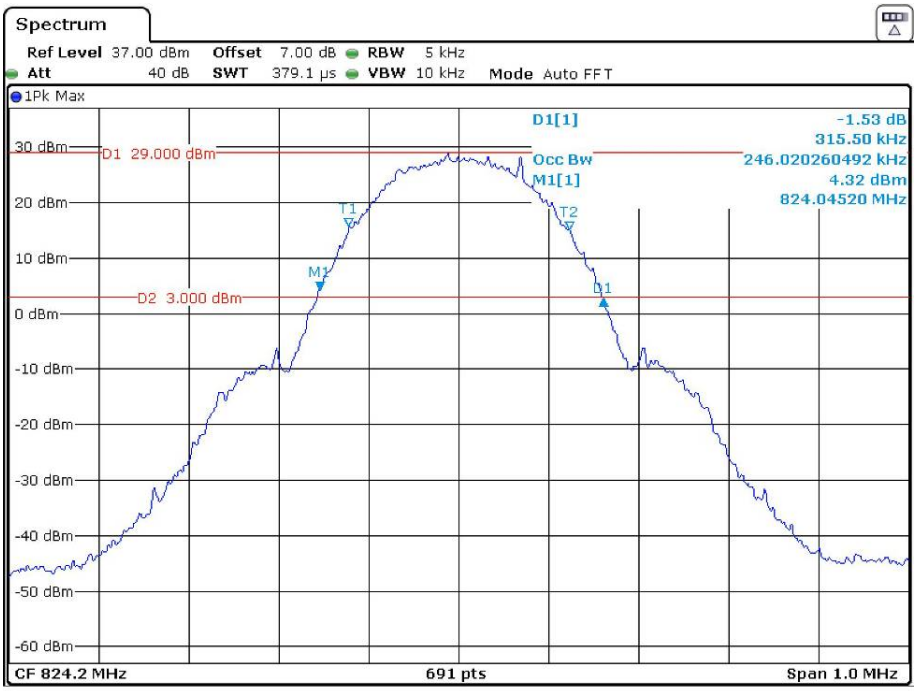
Frequency (MHz)		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
RMC	1852.4	4.197	4.747
	1880.0	4.182	4.732
	1907.6	4.168	4.718
HSDPA	1852.4	4.182	4.718
	1880.0	4.197	4.718
	1907.6	4.182	4.718
HSUPA	1852.4	4.226	5.080
	1880.0	4.182	4.747
	1907.6	4.211	4.776

AWS Band (Part 27)

Frequency (MHz)		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
RMC	1712.4	4.168	4.703
	1732.6	4.168	4.703
	1752.6	4.168	4.703
HSDPA	1712.4	4.197	5.022
	1732.6	4.168	4.703
	1752.6	4.197	4.819
HSUPA	1712.4	4.197	4.776
	1732.6	4.168	4.732
	1752.6	4.197	4.761

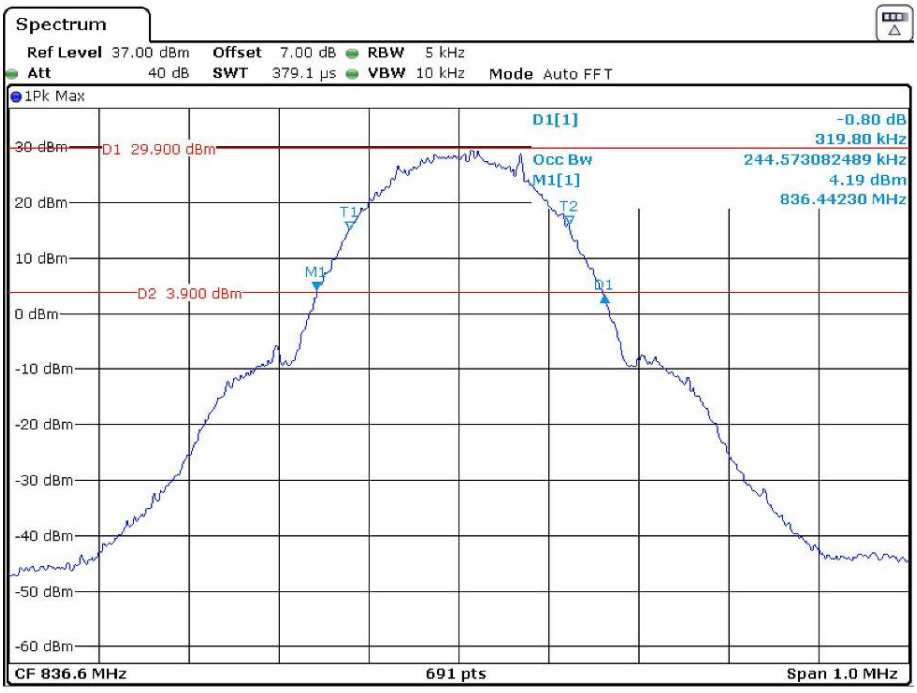
Cellular Band (Part 22H)

26 dB Emissions &99% Occupied Bandwidth for GSM (GMSK) Mode, Low channel



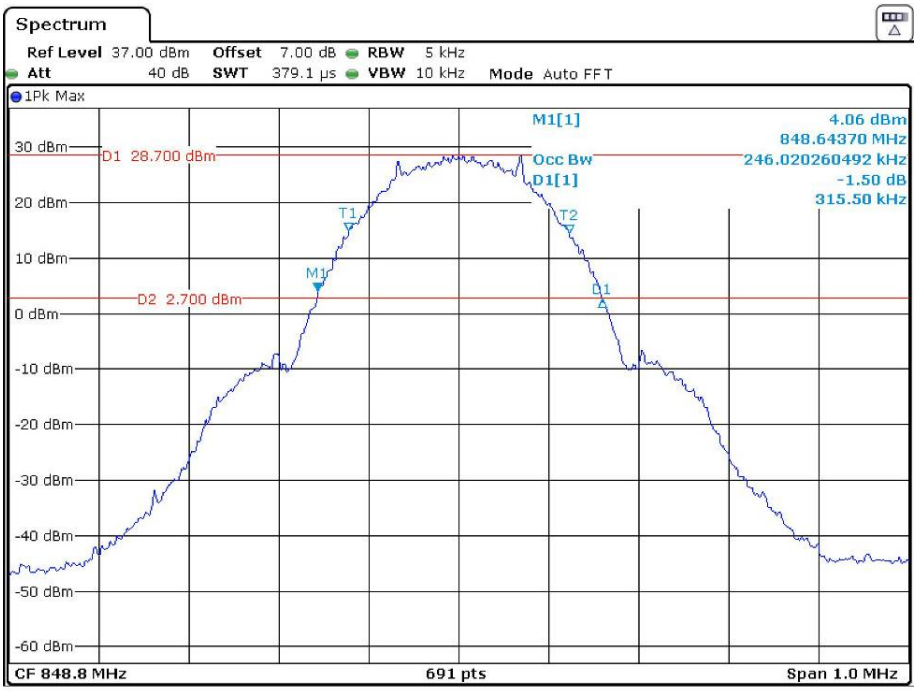
Date: 19.FEB.2021 14:16:43

26 dB Emissions &99% Occupied Bandwidth for GSM (GMSK) Mode, Middle channel



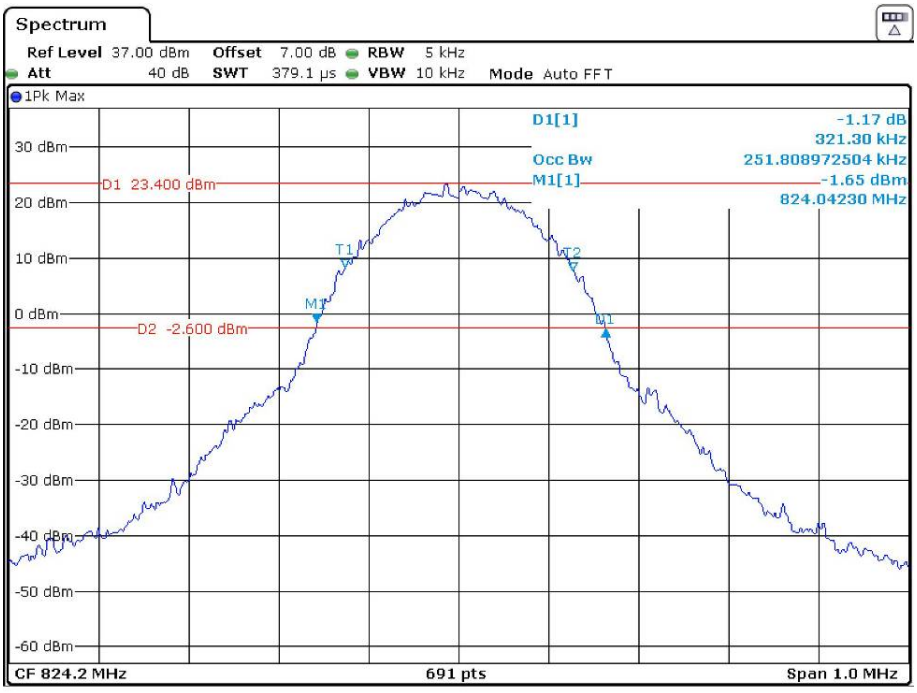
Date: 19.FEB.2021 14:14:40

26 dB Emissions &99% Occupied Bandwidth for GSM (GMSK) Mode, High channel



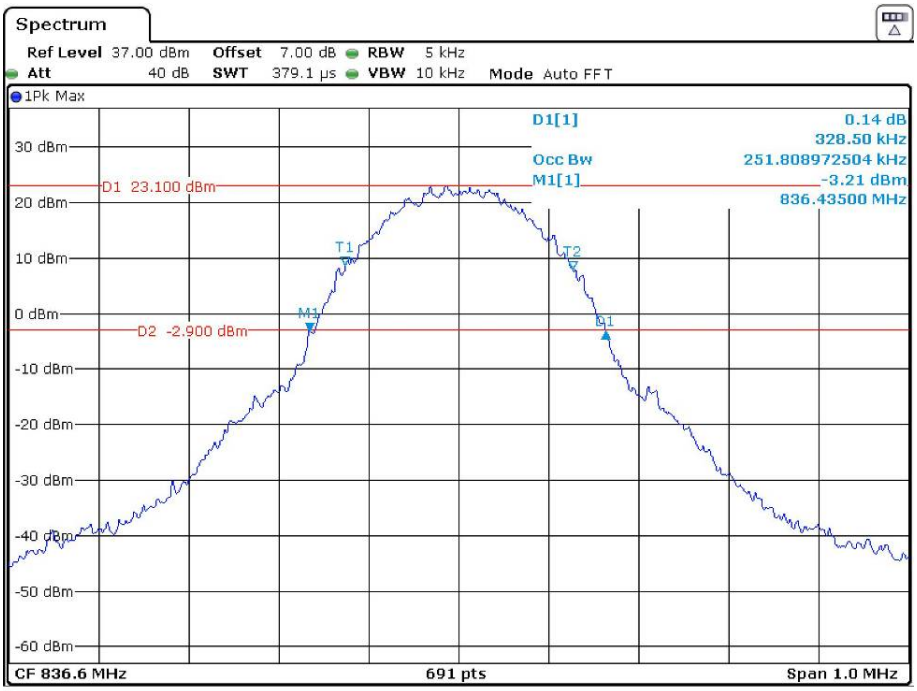
Date: 19.FEB.2021 14:18:24

26 dB Emissions &99% Occupied Bandwidth for EGPRS (8PSK) Mode, Low channel



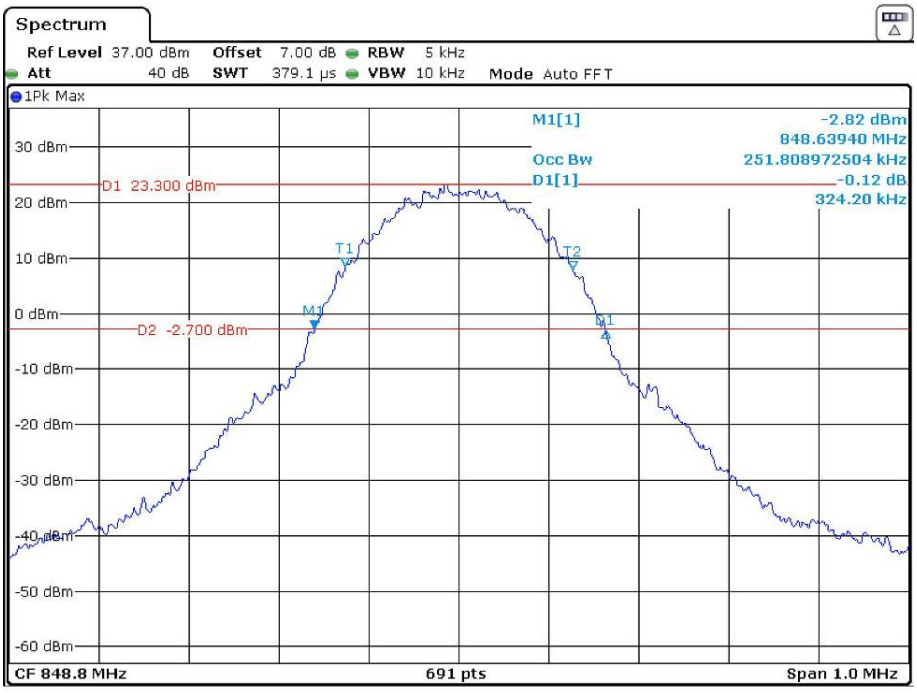
Date: 19.FEB.2021 14:55:13

26 dB Emissions &99% Occupied Bandwidth for EGPRS (8PSK) Mode, Middle channel



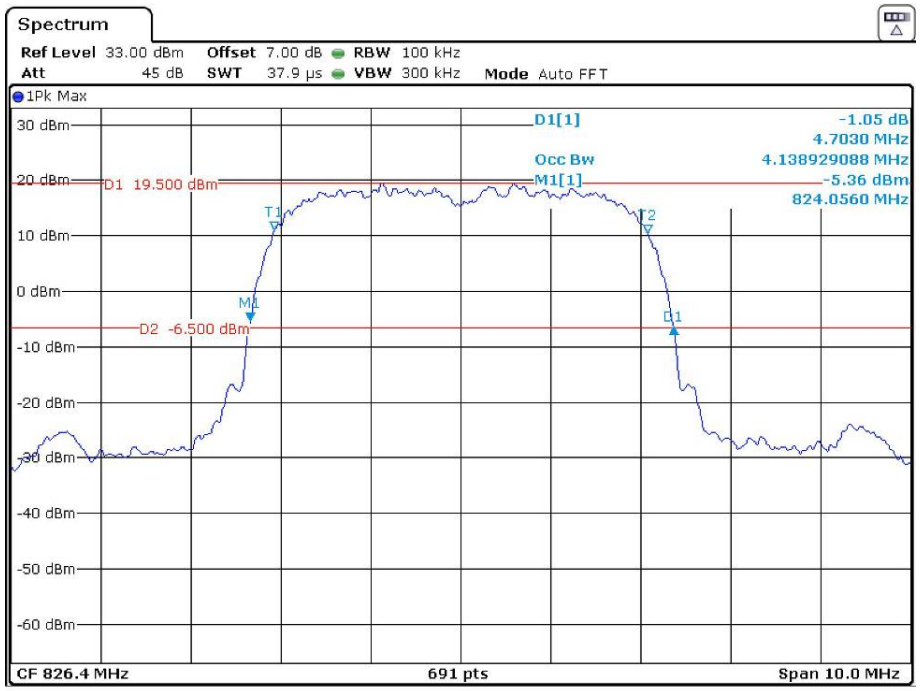
Date: 19.FEB.2021 14:53:46

26 dB Emissions &99% Occupied Bandwidth for EGPRS (8PSK) Mode, High channel



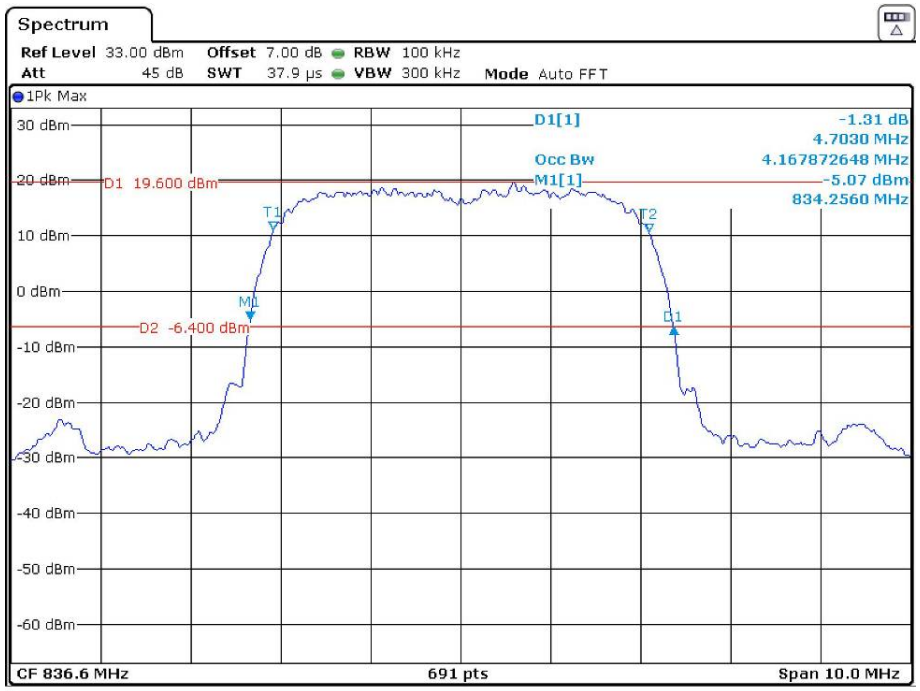
Date: 19.FEB.2021 14:50:49

26 dB Emissions &99% Occupied Bandwidth for RMC (BPSK) Mode, Low channel



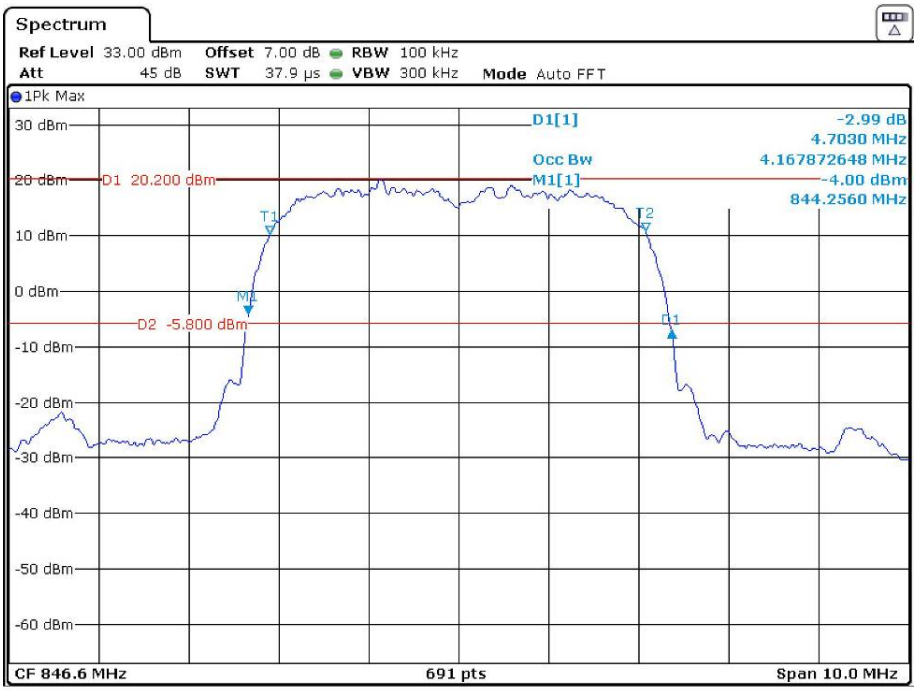
Date: 19.FEB.2021 20:23:38

26 dB Emissions &99% Occupied Bandwidth for RMC (BPSK) Mode, Middle channel



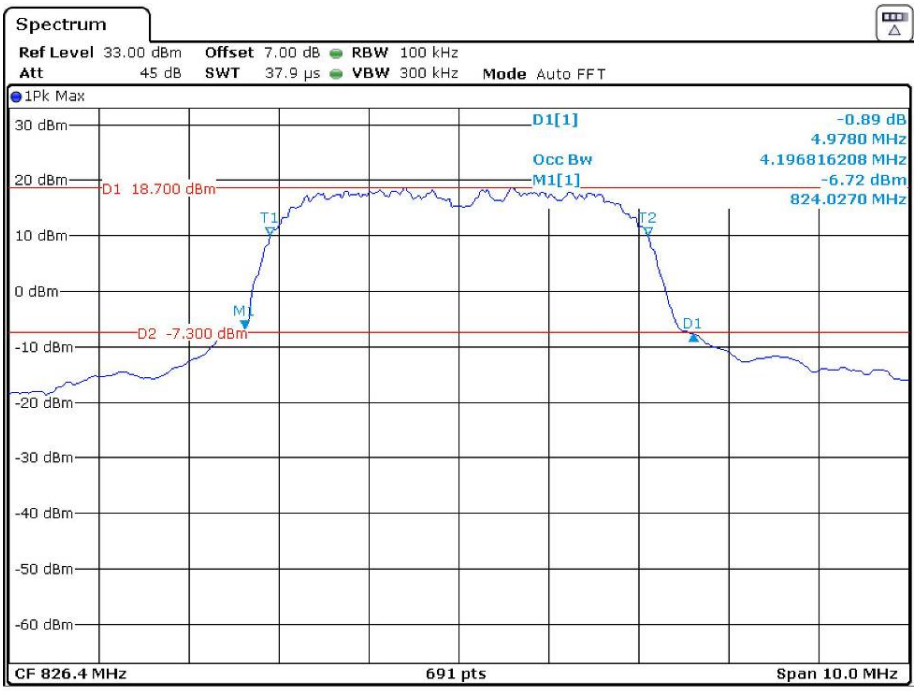
Date: 19.FEB.2021 20:24:37

26 dB Emissions &99% Occupied Bandwidth for RMC (BPSK) Mode, High channel



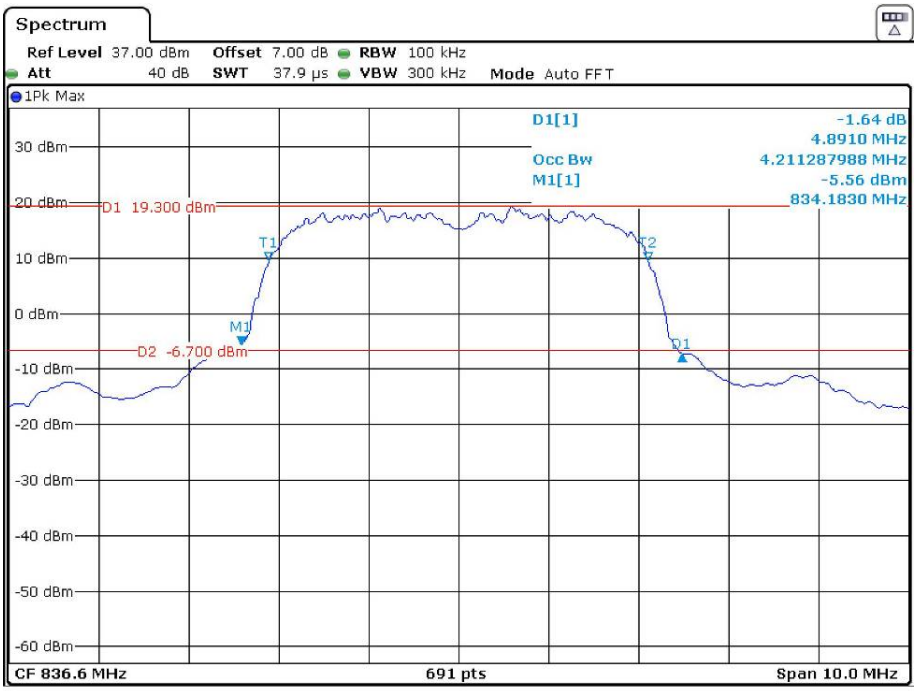
Date: 19.FEB.2021 20:25:28

26 dB Emissions &99% Occupied Bandwidth for HSUPA (BPSK) Mode, Low channel



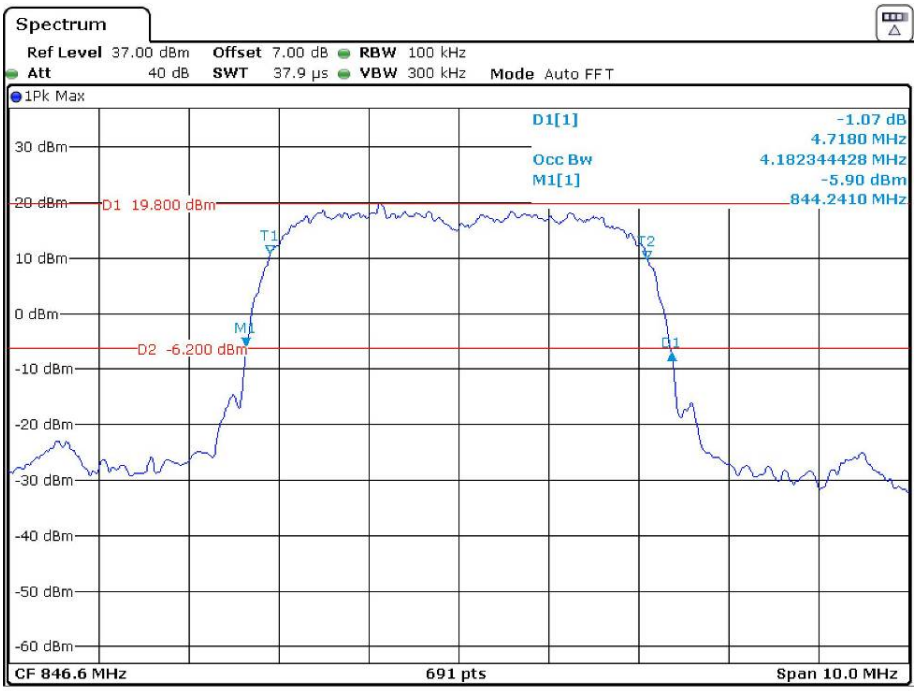
Date: 19.FEB.2021 20:22:28

26 dB Emissions &99% Occupied Bandwidth for HSUPA (BPSK) Mode, Middle channel



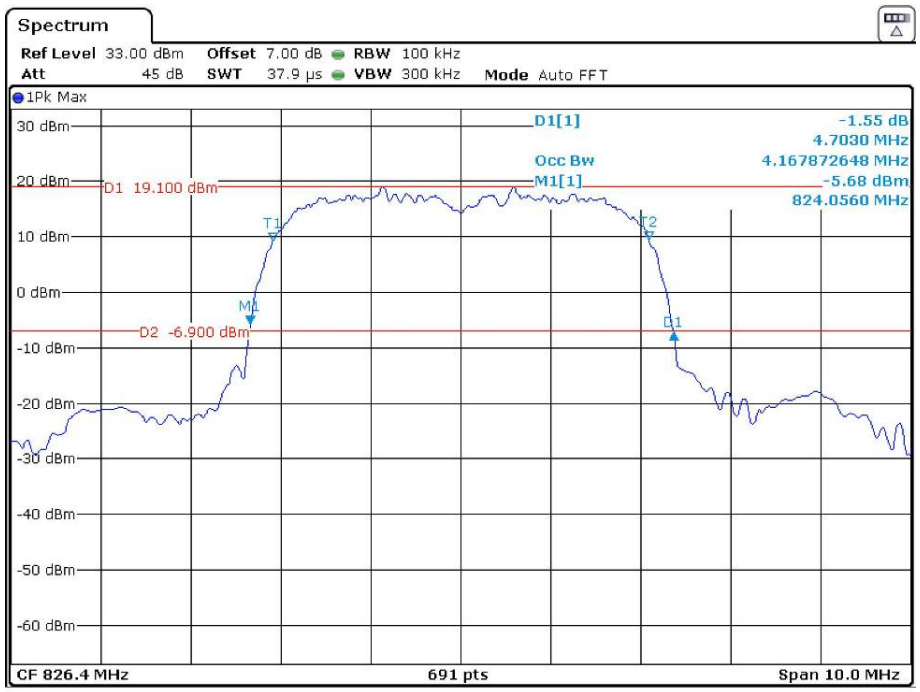
Date: 20.FEB.2021 16:49:29

26 dB Emissions &99% Occupied Bandwidth for HSUPA (BPSK) Mode, High channel



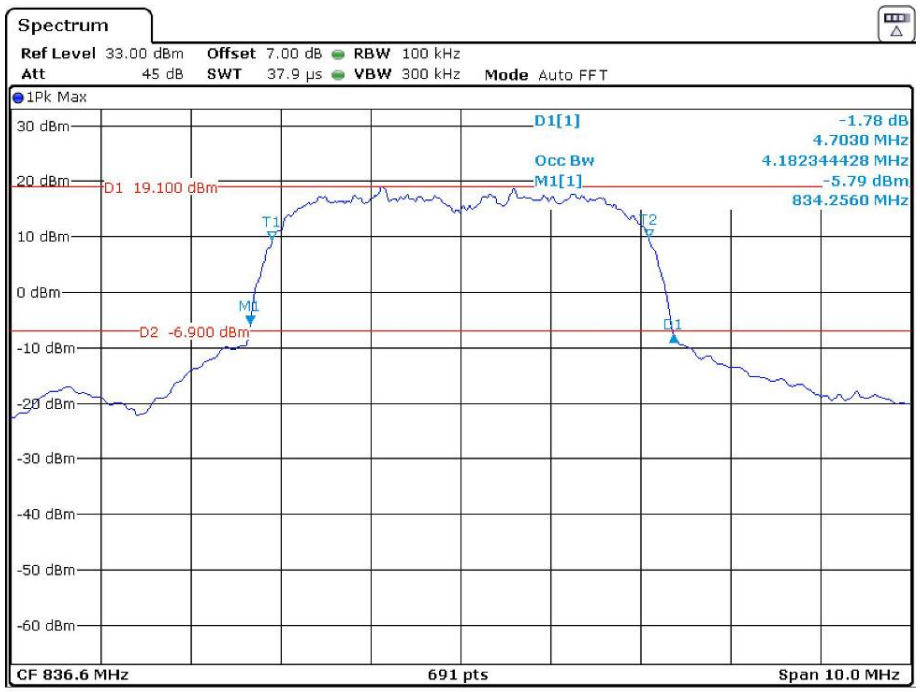
Date: 20.FEB.2021 16:47:49

26 dB Emissions &99% Occupied Bandwidth for HSDPA (16QAM) Mode, Low channel



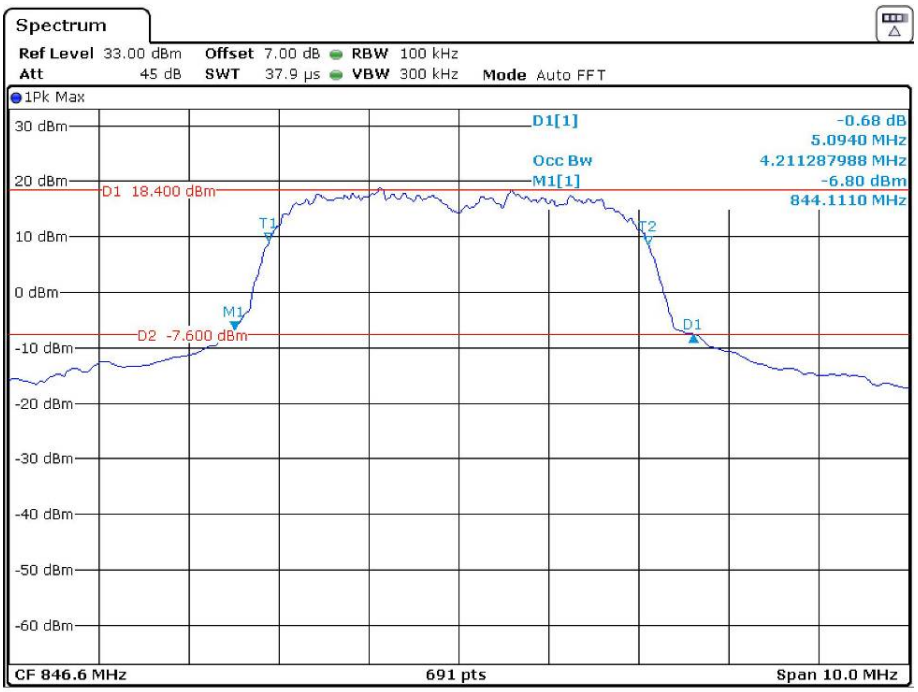
Date: 19.FEB.2021 20:12:26

26 dB Emissions &99% Occupied Bandwidth for HSDPA (16QAM) Mode, Middle channel



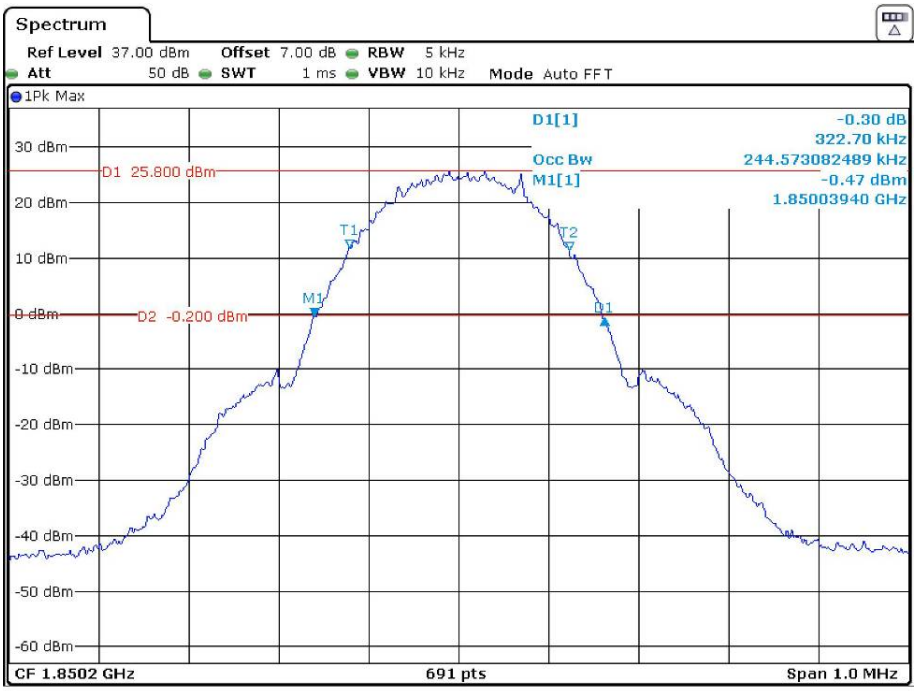
Date: 19.FEB.2021 20:14:25

26 dB Emissions &99% Occupied Bandwidth for HSDPA (16QAM) Mode, High channel



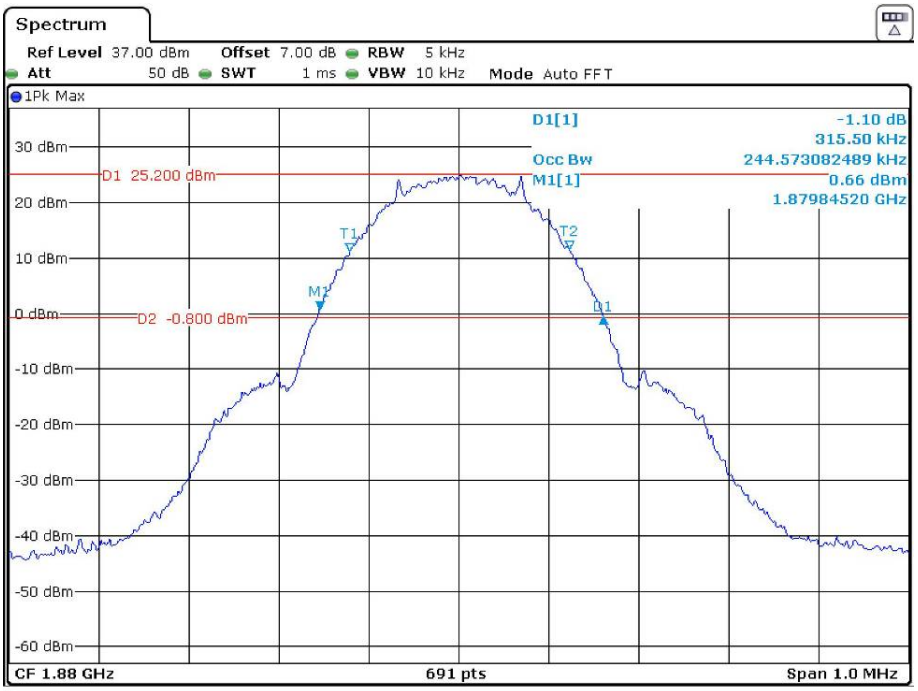
PCS Band (Part 24E)

26 dB Emissions &99% Occupied Bandwidth for GSM (GMSK) Mode, Low channel



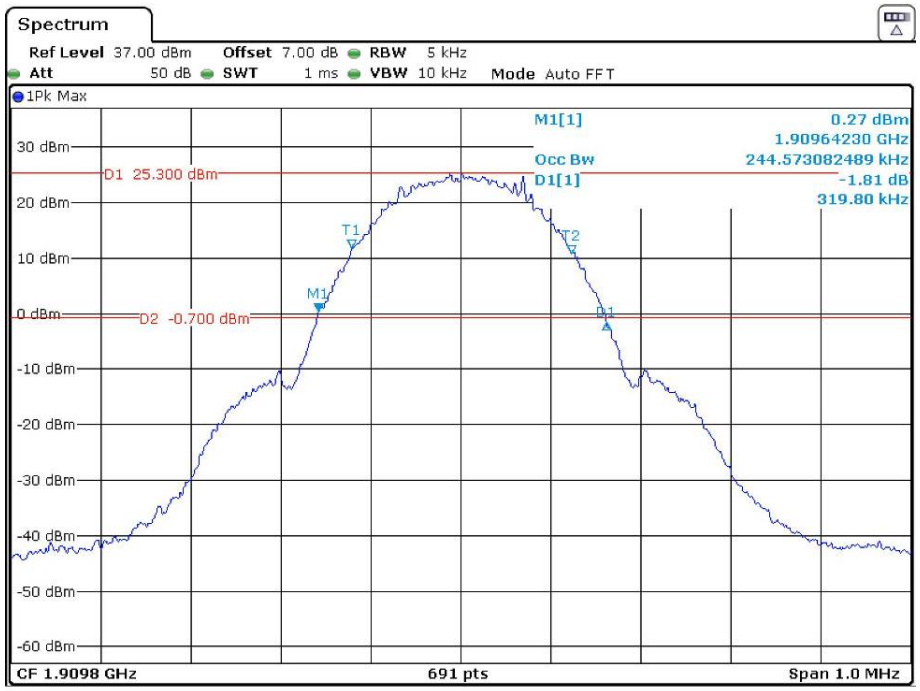
Date: 19.FEB.2021 15:22:24

26 dB Emissions &99% Occupied Bandwidth for GSM (GMSK) Mode, Middle channel



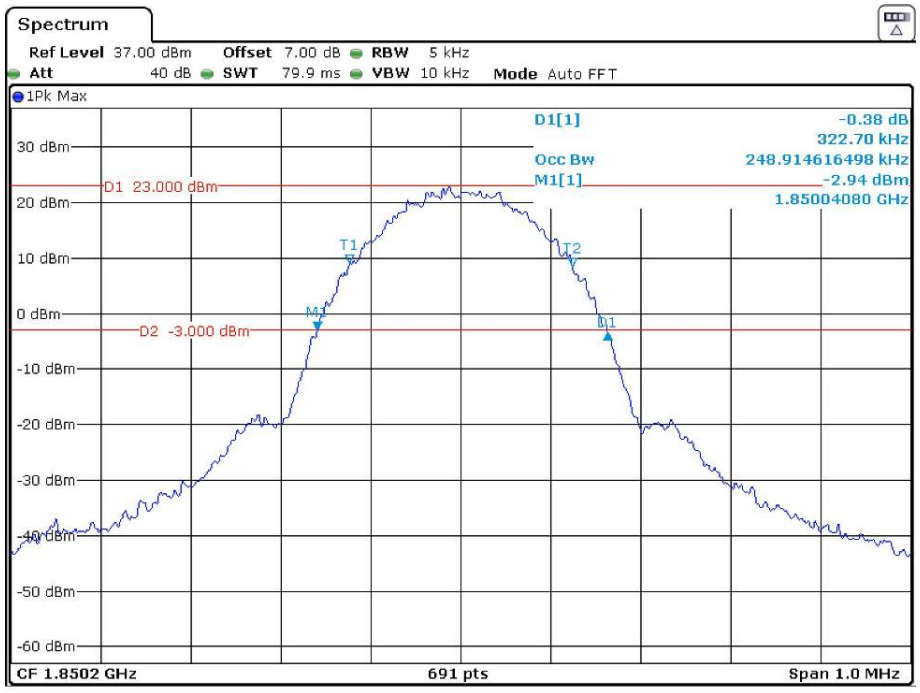
Date: 19.FEB.2021 15:24:07

26 dB Emissions &99% Occupied Bandwidth for GSM (GMSK) Mode, High channel



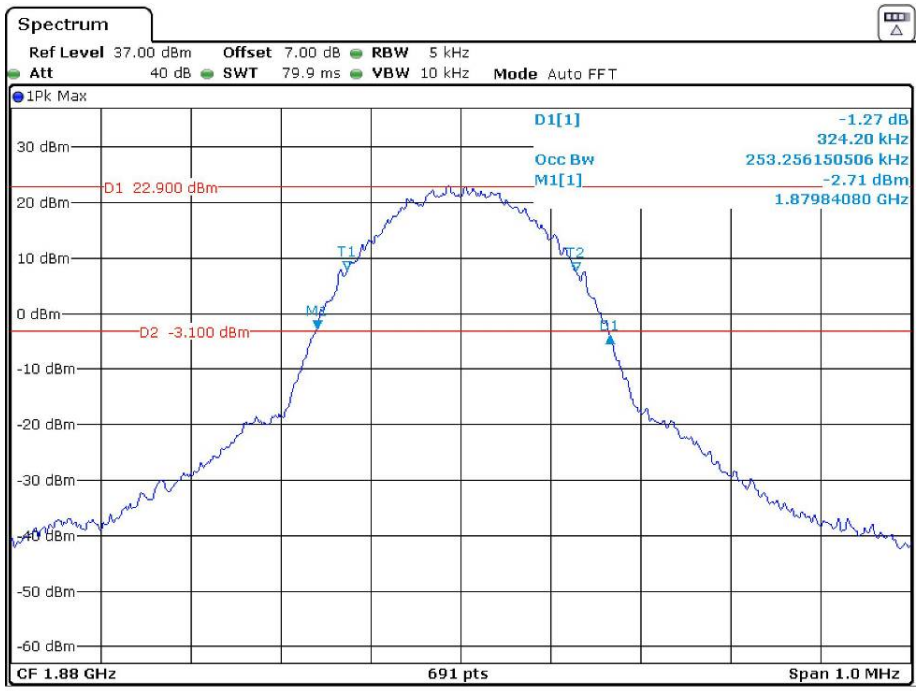
Date: 19.FEB.2021 15:26:25

26 dB Emissions &99% Occupied Bandwidth for EGPRS (8PSK) Mode, Low channel



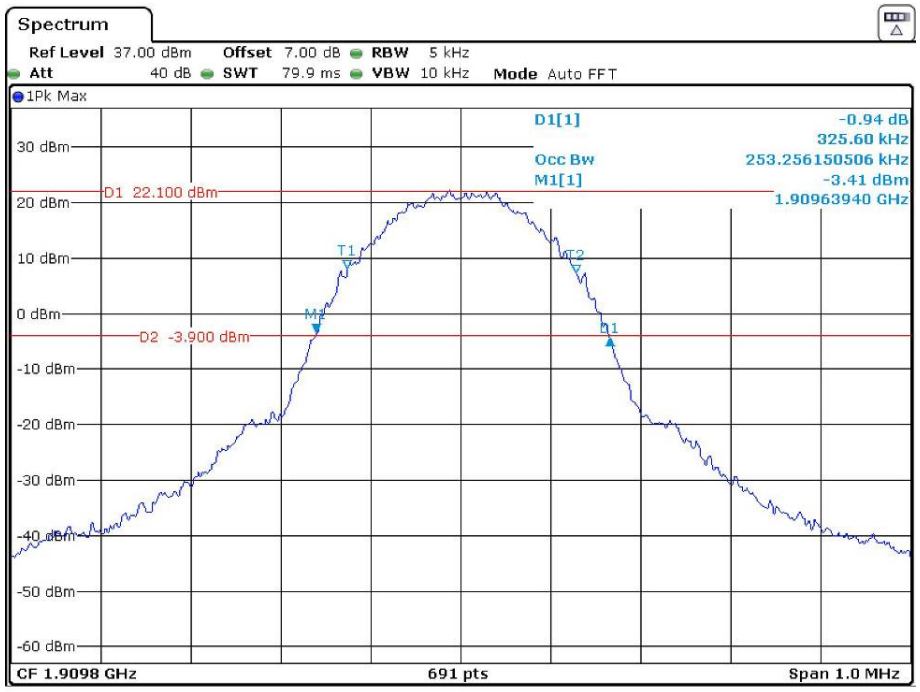
Date: 19.FEB.2021 15:44:10

26 dB Emissions &99% Occupied Bandwidth for EGPRS (8PSK) Mode, Middle channel



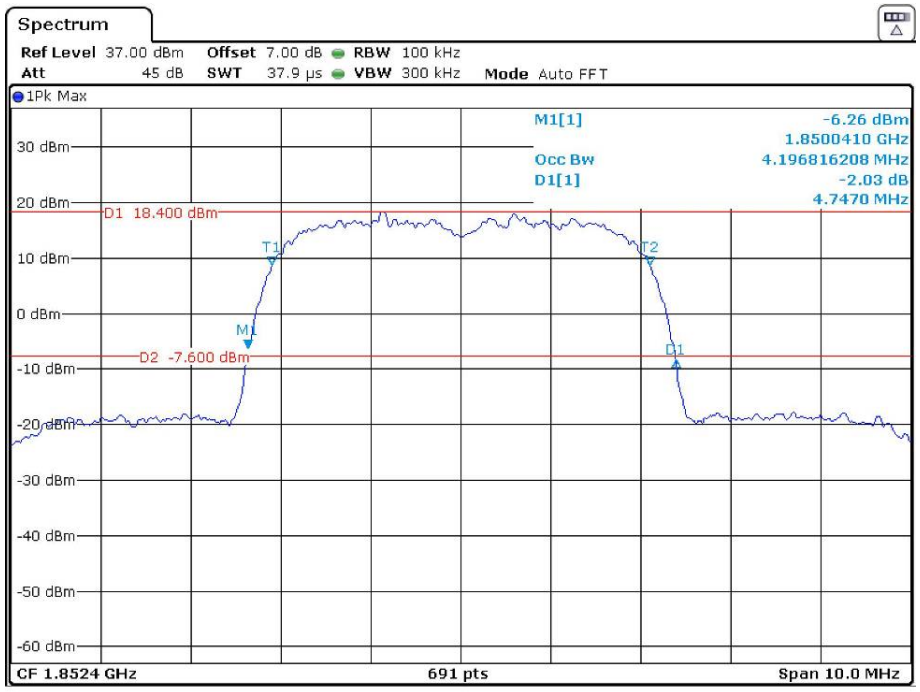
Date: 19.FEB.2021 15:42:24

26 dB Emissions &99% Occupied Bandwidth for EGPRS (8PSK) Mode, High channel



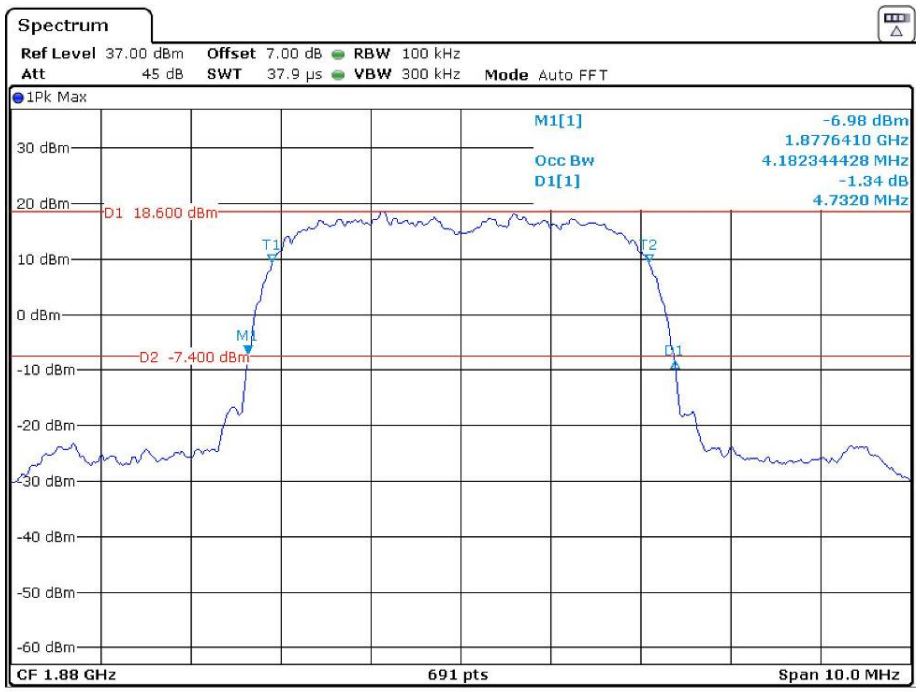
Date: 19.FEB.2021 15:41:26

26 dB Emissions &99% Occupied Bandwidth for RMC (BPSK) Mode, Low channel



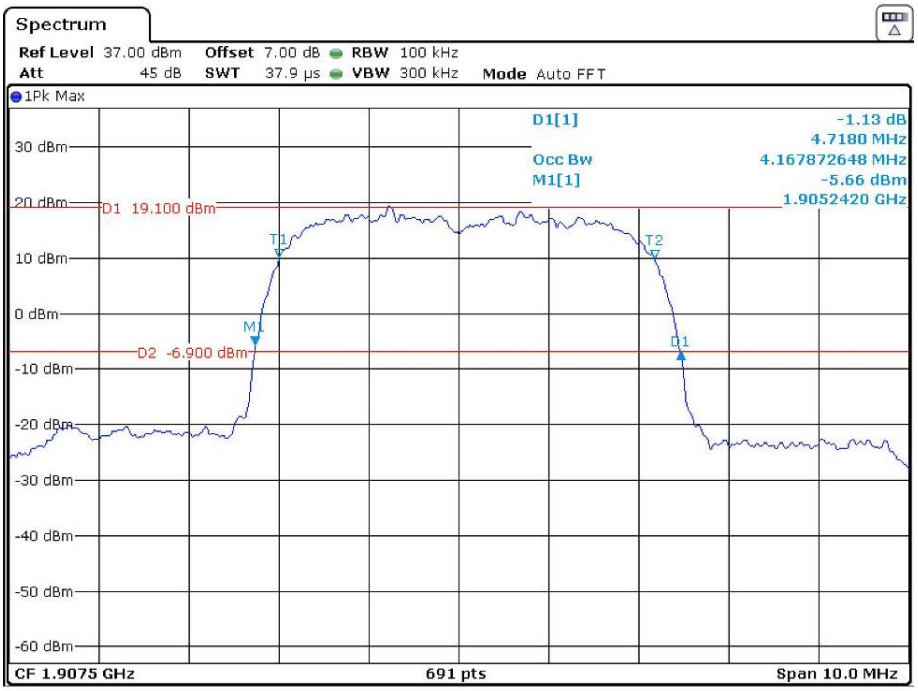
Date: 19.FEB.2021 18:41:21

26 dB Emissions &99% Occupied Bandwidth for RMC (BPSK) Mode, Middle channel



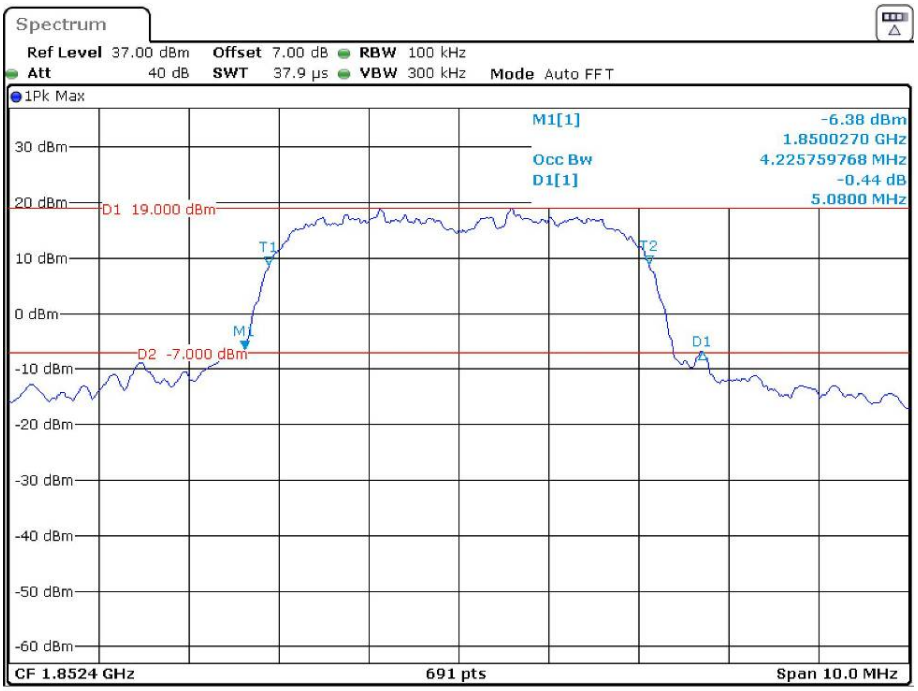
Date: 19.FEB.2021 18:46:14

26 dB Emissions &99% Occupied Bandwidth for RMC (BPSK) Mode, High channel



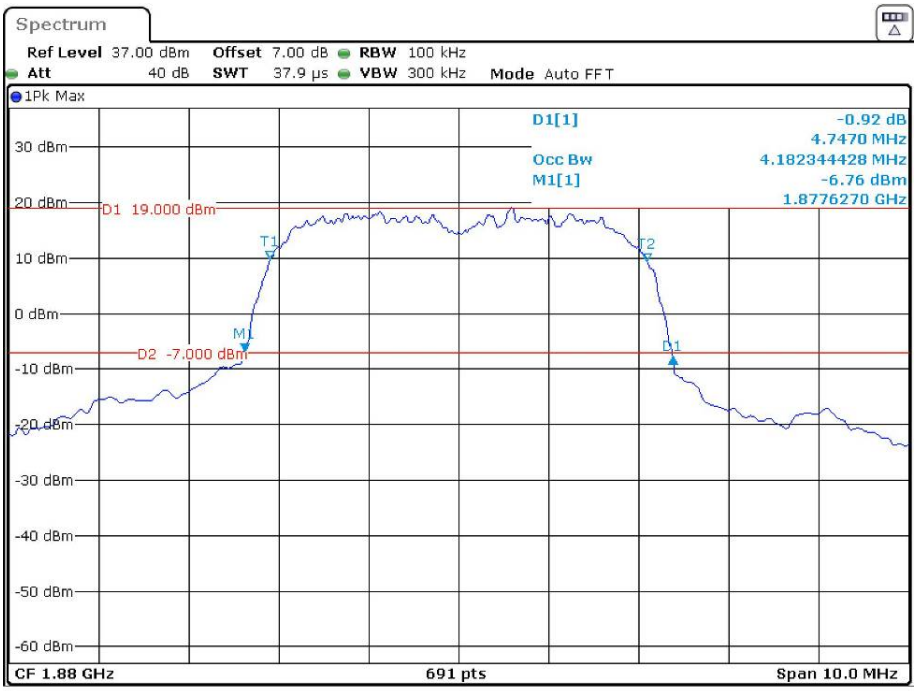
Date: 19.FEB.2021 18:49:19

26 dB Emissions &99% Occupied Bandwidth for HSUPA (BPSK) Mode, Low channel

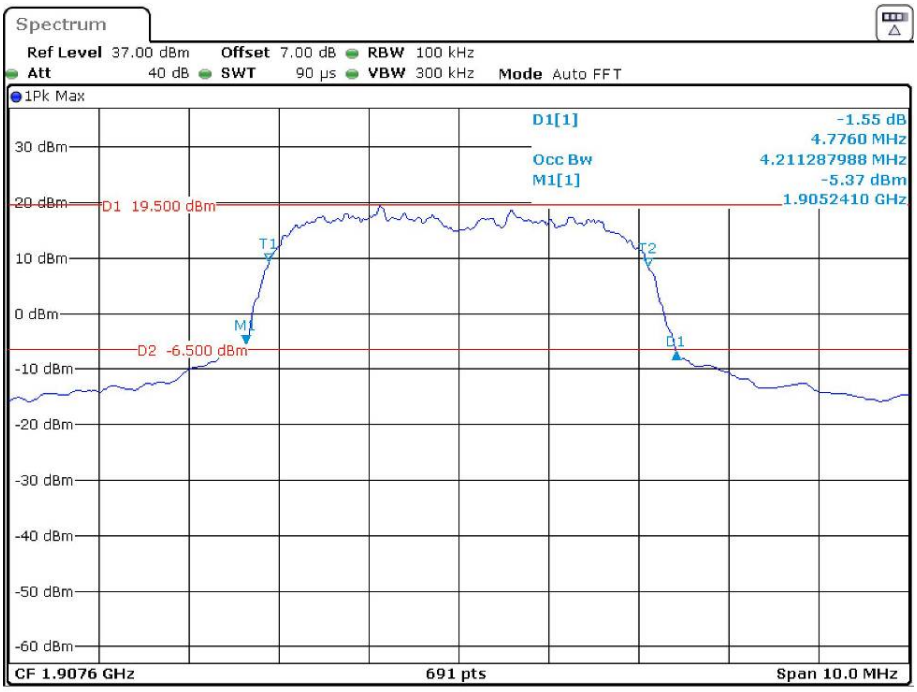


Date: 19.FEB.2021 19:34:34

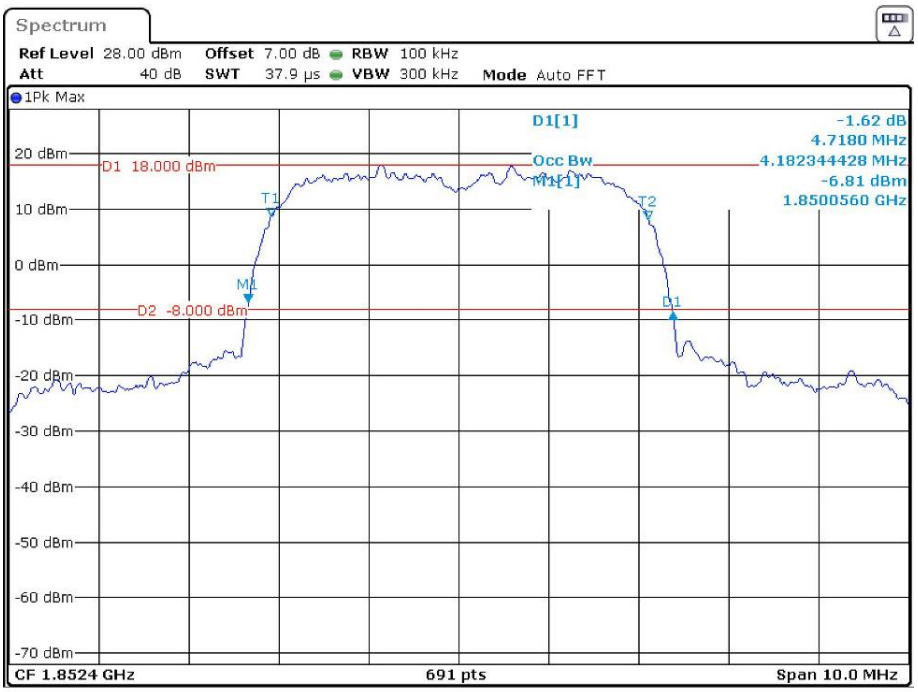
26 dB Emissions &99% Occupied Bandwidth for HSUPA (BPSK) Mode, Middle channel



26 dB Emissions &99% Occupied Bandwidth for HSUPA (BPSK) Mode, High channel

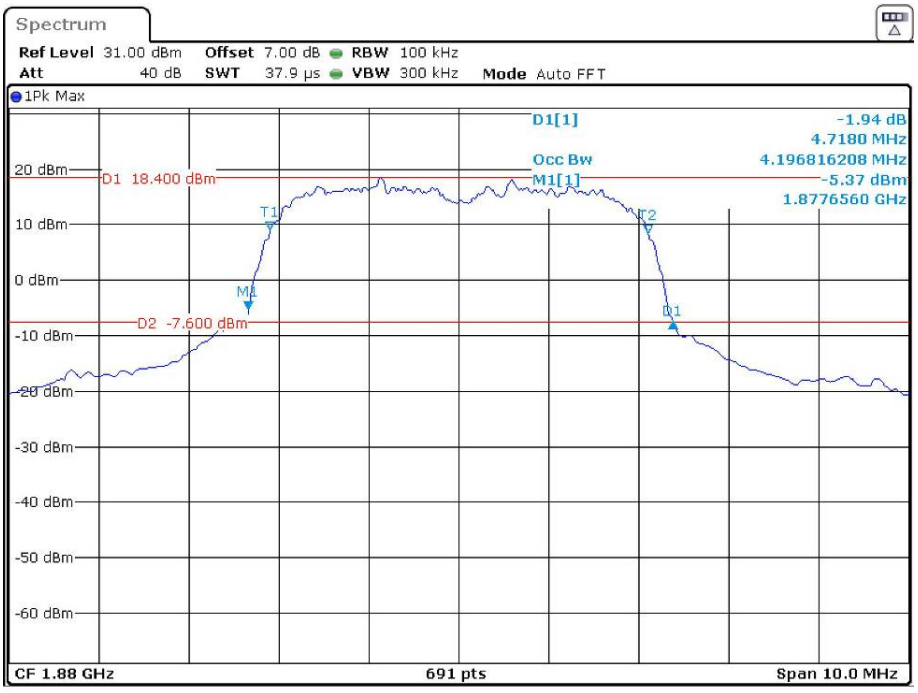


26 dB Emissions &99% Occupied Bandwidth for HSDPA (16QAM) Mode, Low channel



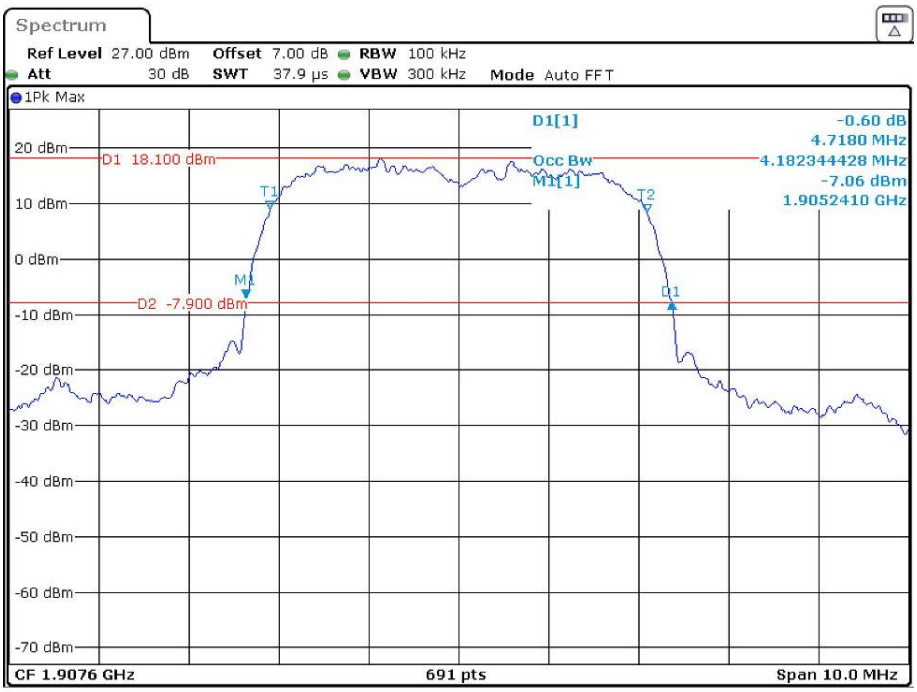
Date: 19.FEB.2021 19:07:33

26 dB Emissions &99% Occupied Bandwidth for HSDPA (16QAM) Mode, Middle channel



Date: 19.FEB.2021 19:04:34

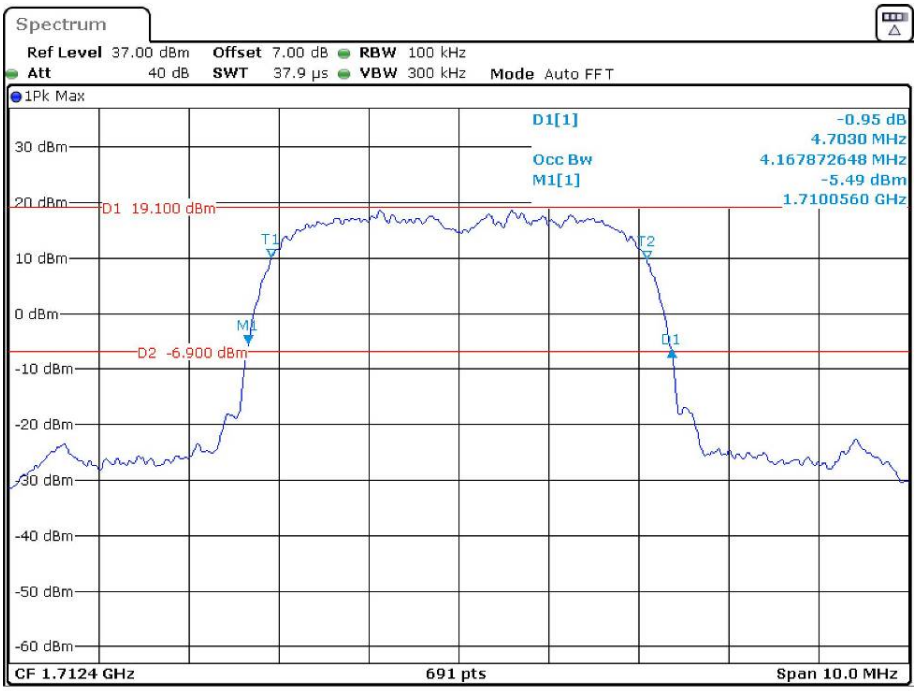
26 dB Emissions &99% Occupied Bandwidth for HSDPA (16QAM) Mode, High channel



Date: 19.FEB.2021 18:59:44

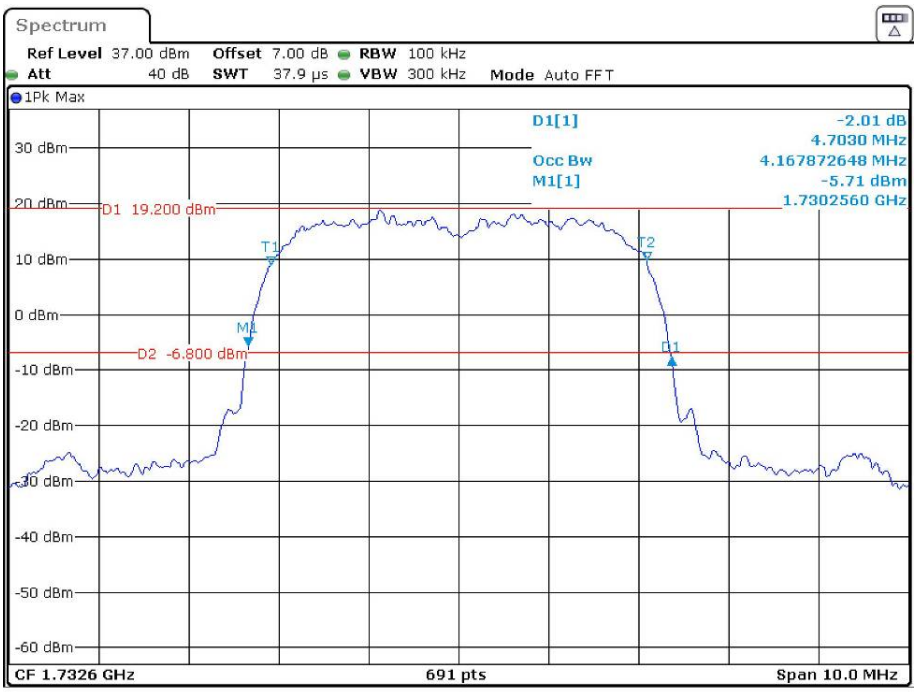
AWS Band (Part 27)

26 dB Emissions &99% Occupied Bandwidth for RMC (BPSK) Mode, Low channel



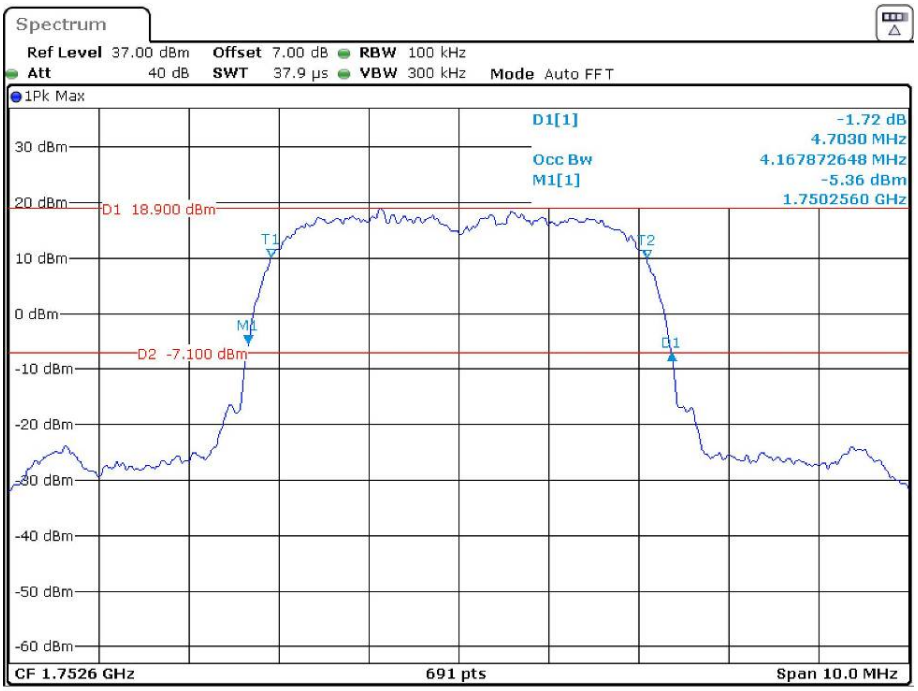
Date: 19.FEB.2021 19:42:53

26 dB Emissions &99% Occupied Bandwidth for RMC (BPSK) Mode, Middle channel



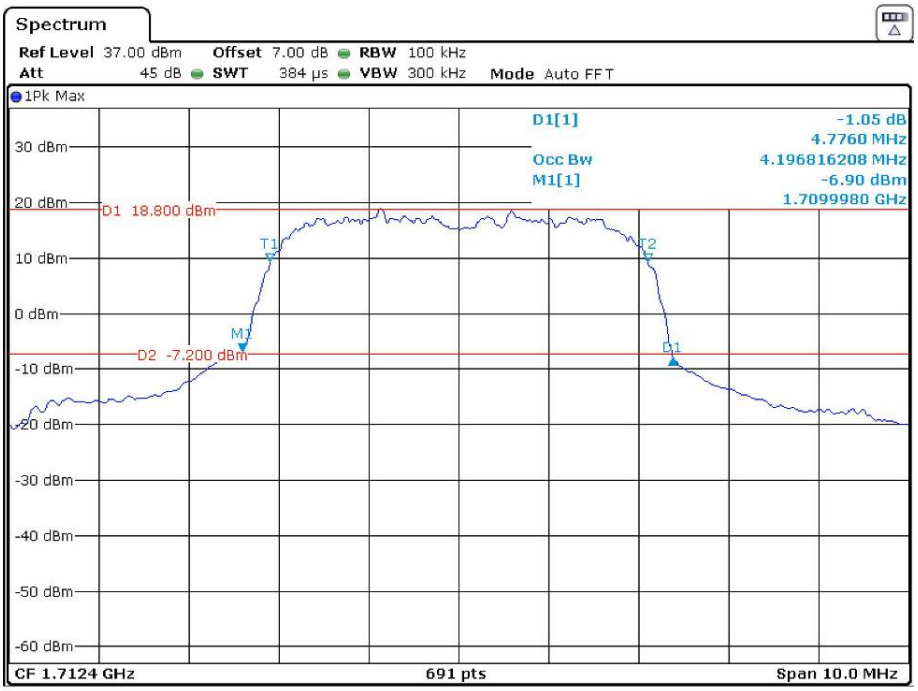
Date: 19.FEB.2021 19:41:29

26 dB Emissions &99% Occupied Bandwidth for RMC (BPSK) Mode, High channel



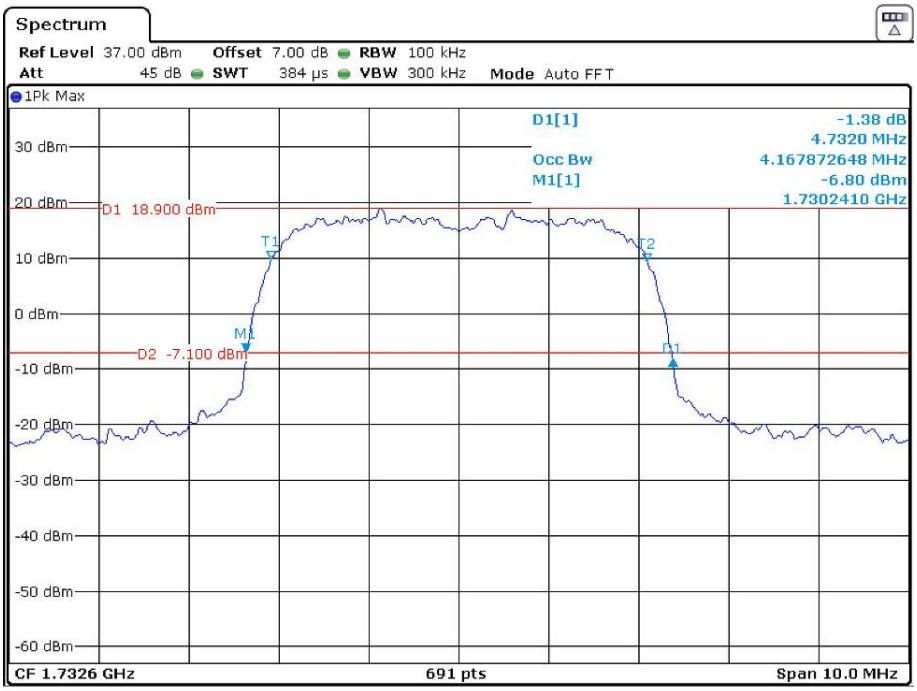
Date: 19.FEB.2021 19:40:09

26 dB Emissions &99% Occupied Bandwidth for HSUPA (BPSK) Mode, Low channel



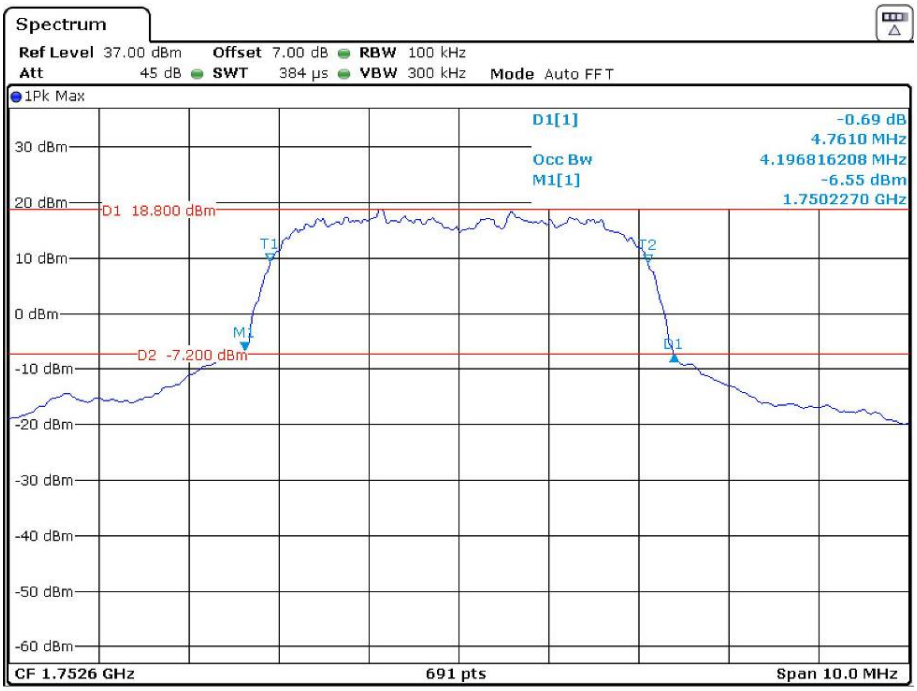
Date: 20.FEB.2021 13:37:58

26 dB Emissions &99% Occupied Bandwidth for HSUPA (BPSK) Mode, Middle channel



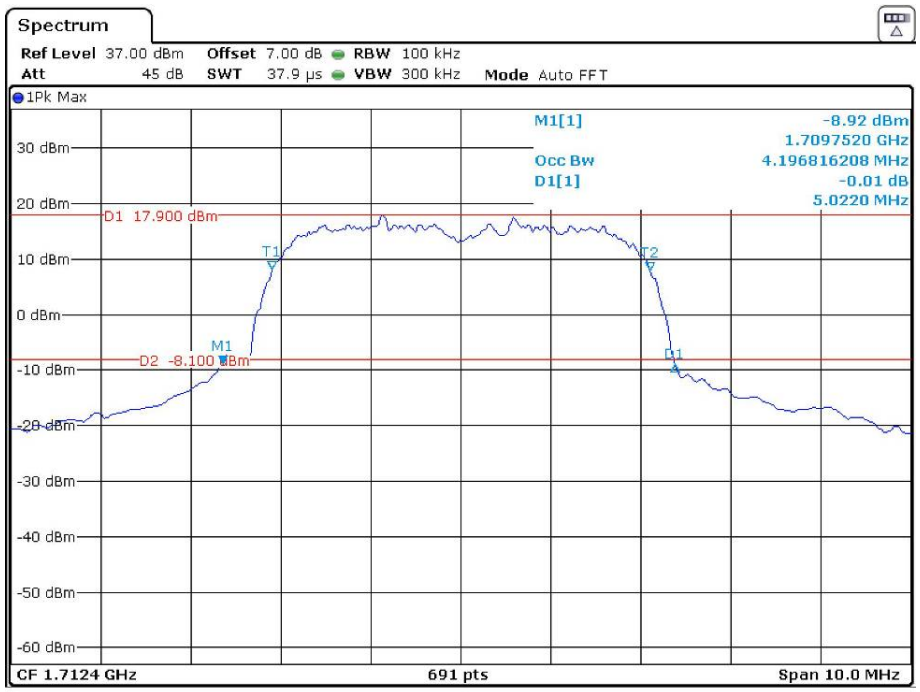
Date: 20.FEB.2021 13:39:58

26 dB Emissions &99% Occupied Bandwidth for HSUPA (BPSK) Mode, High channel



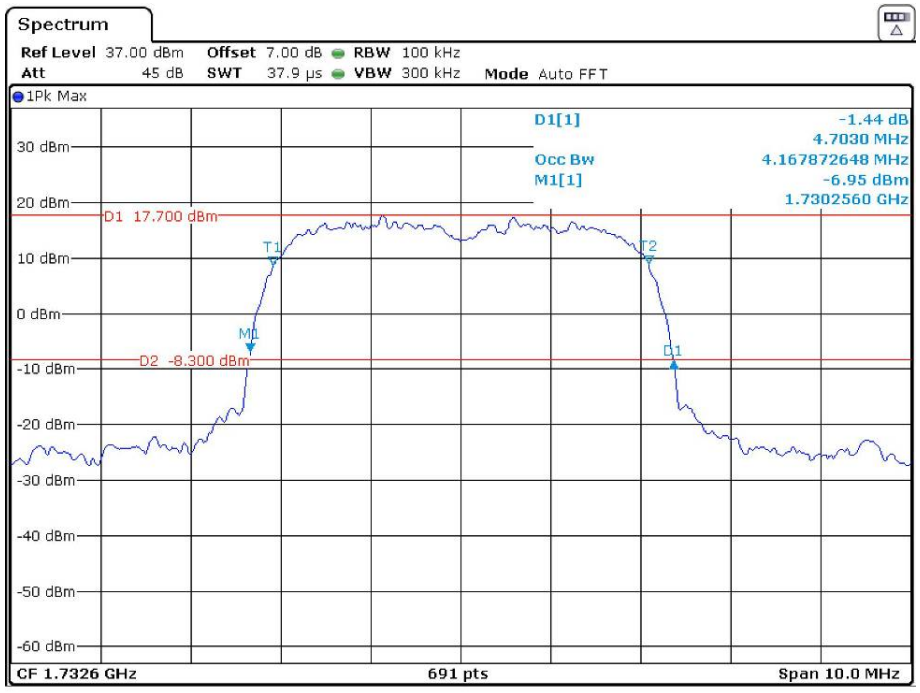
Date: 20.FEB.2021 13:42:48

26 dB Emissions &99% Occupied Bandwidth for HSDPA (16QAM) Mode, Low channel



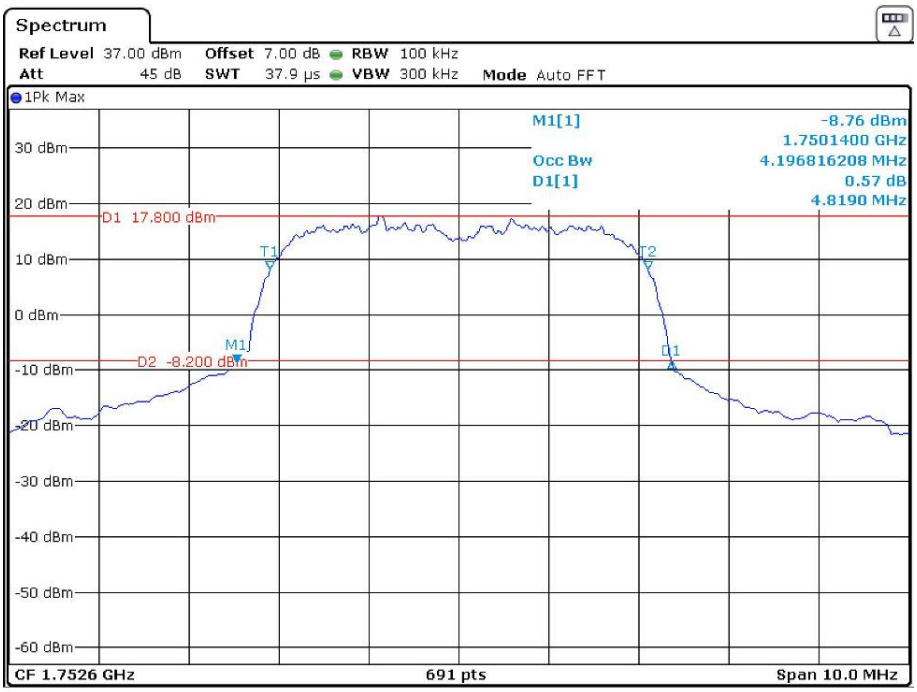
Date: 20.FEB.2021 13:54:06

26 dB Emissions &99% Occupied Bandwidth for HSDPA (16QAM) Mode, Middle channel



Date: 20.FEB.2021 13:52:30

26 dB Emissions &99% Occupied Bandwidth for HSDPA (16QAM) Mode, High channel



LTE Band 2:

Bandwidth (MHz)	Modulation	Channel	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
1.4	QPSK	Low	1.102	1.293
		Middle	1.096	1.320
		High	1.102	1.290
	16QAM	Low	1.096	1.320
		Middle	1.090	1.284
		High	1.096	1.290
3	QPSK	Low	2.683	2.868
		Middle	2.683	2.880
		High	2.683	2.892
	16QAM	Low	2.683	2.880
		Middle	2.683	2.880
		High	2.683	2.868
5	QPSK	Low	4.511	4.940
		Middle	4.511	4.960
		High	4.511	4.940
	16QAM	Low	4.491	4.940
		Middle	4.511	4.960
		High	4.491	4.960
10	QPSK	Low	8.942	9.680
		Middle	8.942	9.600
		High	8.942	9.600
	16QAM	Low	8.942	9.560
		Middle	8.942	9.640
		High	8.942	9.600
15	QPSK	Low	13.473	14.700
		Middle	13.473	14.520
		High	13.473	14.580
	16QAM	Low	13.473	14.640
		Middle	13.533	14.640
		High	13.473	14.520
20	QPSK	Low	17.884	19.200
		Middle	17.964	19.360
		High	17.884	19.280
	16QAM	Low	17.964	19.200
		Middle	17.964	19.360
		High	17.884	19.280