



FCC RF TEST REPORT

Applicant:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

Manufacturer or Supplier:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Product:	Mobile Phone
Brand Name:	POCO
Model Name:	25053PC47G
FCC ID:	2AFZZPC47G
Date of tests:	Feb. 13, 2025-Mar. 26, 2025

The tests have been carried out according to the requirements of the following standard:

- | | |
|---|--|
| <input checked="" type="checkbox"/> FCC PART 22, Subpart H | <input checked="" type="checkbox"/> FCC Part 2 |
| <input checked="" type="checkbox"/> FCC PART 24, Subpart E | <input checked="" type="checkbox"/> ANSI/TIA/EIA-603-E |
| <input checked="" type="checkbox"/> FCC Part 27, Subpart C, M | <input checked="" type="checkbox"/> ANSI C63.26-2015 |
| <input checked="" type="checkbox"/> ANSI/TIA/EIA-603-D | |

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Hanwen Xu Engineer / Mobile Department	Approved by Peibo Sun Manager / Mobile Department
Date: Mar. 26, 2025	Date: Mar. 26, 2025

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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**BUREAU
VERITAS**

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BUREAU
VERITAS

Test Report No.: PSZ-QBJ2501200112RF12

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSZ-QBJ2501200112RF12	Original release	Mar. 26, 2025



1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 22/24/27 & PART 2			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	TEST LAB*
§2.1046	Conducted Output Power	Compliance	A
§24.232(c) §27.50(h)(2) §27.50(d)(4) §27.50(j)(3) §27.50(k)(3)	Equivalent Isotropically Radiated Power (5G NR n2, n7,n38,n41,n66,n77,n78)	Compliance	A
§22.913 (a) §27.50(c)(10)	Equivalent Radiated Power (5G NR n5)	Compliance	A
§2.1055 §22.355 §24.235 §27.54	Frequency Stability	Compliance	A
§2.1049	Occupied Bandwidth	Compliance	A
§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h) §27.53(l)(2) §27.53(m)(4)(6) §27.53(n)(2)	Band Edge Measurements	Compliance	A
§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h) §27.53(l)(2) §27.53(m)(4)(6) §27.53(n)(2)	Conducted Spurious Emissions	Compliance	A
§2.1051 §22.917(a) §24.238(a)	Radiated Spurious Emissions	Compliance	A



§27.53(g) §27.53(h) §27.53(l)(2) §27.53(m)(4)(6) §27.53(n)(2)			
§27.50(j)(4) §22.913(d) n5 §24.232(d) n2 §27.50(d)(5) §27.50(k)(4)	Peak-to-Average Ratio	Compliance	A

***Test Lab Information Reference**

Lab A:

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province

Accredited Test Lab Cert 6613.01

The FCC Site Registration No. is 434559; The Designation No. is CN1325.

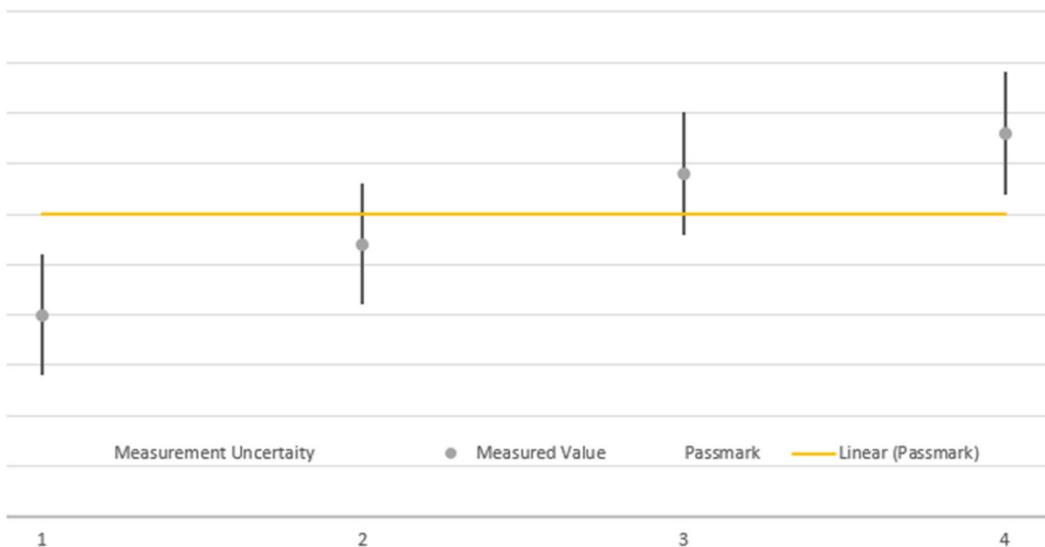


1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
Frequency Stability	± 76.97Hz
Radiated emissions (9KHz~30MHz)	±2.68dB
Radiated emissions & Radiated Power (30MHz~1GHz)	±4.98dB
Radiated emissions & Radiated Power (1GHz ~6GHz)	±4.70dB
Radiated emissions (6GHz ~18GHz)	±4.60dB
Radiated emissions (18GHz ~40GHz)	±4.12dB
Conducted emissions	± 4.01dB
Occupied Channel Bandwidth	± 43.58KHz
Conducted Output power	± 2.06dB
Band Edge Measurements	±4.70dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.



1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Pre-Amplifier	R&S	SCU18F1	100815	Aug.29,24	Aug.28,26
Pre-Amplifier	R&S	SCU08F1	101028	Sep.15,24	Sep.14,26
Vector Signal Generator	R&S	SMBV100B	102176	Feb.15,24	Feb.14,26
Signal Generator	R&S	SMB100A	182185	Feb.15,24	Feb.14,26
3m Fully-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-01Chamber	Nov.25,22	Nov.24,25
3m Semi-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-02Chamber	Nov.25,22	Nov.24,25
EMI TEST Receiver	R&S	ESR26	101734	Feb.24,24	Feb.23,26
EMI TEST Receiver	R&S	ESW44	101973	Feb.24,24	Feb.23,26
Bilog Antenna	SCHWARZBECK	VULB 9163	1264	Feb.27,24	Feb.26,26
Horn Antenna	ETS-LINDGREN	3117	227836	Aug.21,24	Aug.20,26
Horn Antenna (18GHz-40GHz)	Steatite Q-par Antennas	QMS 00880	23486	Feb.22,24	Feb.21,26
Horn Antenna	Steatite Q-par Antennas	QMS 00208	23485	Aug.21,24	Aug.20,26
Loop Antenna	SCHWARZ	HFH2-Z2/Z2E	100976	Feb.22,24	Feb.21,26
WIDEBANDRADIO COMMUNICATION TESTER	R&S	CMW500	169399	Jun.26,24	Jun.25,26
Test Software	EMC32	EMC32	N/A	N/A	N/A
Test Software	ELEKTRA	ELEKTRA4.32	N/A	N/A	N/A
Open Switch and Control Unit	R&S	OSP220	101964	Sep.30,24	Sep.39,26
DC Source	HYELEC	HY3010B	551016	Aug.30,24	Aug.29,26
Hygrothermograph	DELI	20210528	SZ014	Sep.05,24	Sep.04,26
PC	LENOVO	E14	HRSW0024	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-7.00M	N/A	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-4.00M	N/A	N/A	N/A
CABLE	R&S	W13.02	N/A	Apr.26,24	Oct.25,25
CABLE	R&S	W12.14	N/A	Apr.26,24	Oct.25,25
CABLE	R&S	J12J103539-00-1	SEP-03-20-069	Apr.26,24	Oct.25,25
CABLE	R&S	J12J103539-00-1	SEP-03-20-070	Apr.26,24	Oct.25,25
Temperature Chamber	votsch	VT4002	58566078100050	May.30,24	May.29,26

- NOTE:**
1. The calibration interval of the above test instruments is 12 months or 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
 2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.
 3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
 4. The FCC Site Registration No. is 434559; The Designation No. is CN1325.



2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT*	Mobile Phone	
BRAND NAME*	POCO	
MODEL NAME*	25053PC47G	
NOMINAL VOLTAGE*	5/3.6-20V dc (adapter or host equipment) 3.93Vdc (Li-ion, battery)	
MODULATION TECHNOLOGY	5G NR	DFT-s-OFDM(Pi/2BPSK,QPSK,16QAM,64QAM,256QAM); CP-OFDM(QPSK,16QAM,64QAM,256QAM);
LTE ANCHOR BAND FOR NR BAND	NR Band n2	LTE Band 5/7/12/13/14/66/71
	NR Band n5	LTE Band 2/7/48/66
	NR Band n7	LTE Band 2/5/12/13/66/71
	NR Band n38	LTE Band 2/4/5/12/66/71
	NR Band n41	LTE Band 2/4/5/12/25/66/71
	NR Band n66	LTE Band 2/5/7/12/13/14/48/71
	NR Band n77(Part27Q)/(HPUE)	LTE Band 2/5/7/12/13/14/41/66
	NR Band n77(Part27O)/(HPUE)	LTE Band 2/5/7/12/13/14/41/66
	NR Band n78(Part27Q)/(HPUE)	LTE Band 2/4/5/12/13/26/38/41/66/71
	NR Band n78(Part27O)/(HPUE)	LTE Band 2/4/5/12/41/66/71
FREQUENCY RANGE	NR Band n2	1852.5MHz ~ 1907.5MHz
	NR Band n5	826.5MHz ~ 846.5MHz
	NR Band n7	2502.5MHz ~ 2567.5MHz
	NR Band n38	2575MHz ~ 2615MHz
	NR Band n41	2501.01MHz ~ 2685MHz
	NR Band n66	1712.5MHz ~ 1777.5MHz
	NR Band n77(Part27Q)	3455.01MHz ~ 3544.98MHz
	NR Band n77(Part27O)	3705MHz ~ 3974.97MHz
	NR Band n78(Part27Q)	3455.01MHz ~ 3544.98MHz



	NR Band n78(Part270)	3705MHz ~ 3794.97MHz
	NR ENDC	b2+n78,b5+n7, b5+n66, b7+n5,b38+n78,b40+n78, b41+n78 (See note6)
EMISSION DESIGNATOR	NR Band n2 Channel Bandwidth: 5MHz	QPSK: 4M47G7D 16QAM: 4M46W7D 64QAM: 4M47W7D 256QAM: 4M47W7D Pi/2BPSK: 4M48G7D
	NR Band n2 Channel Bandwidth: 10MHz	QPSK: 8M92G7D 16QAM: 8M93W7D 64QAM: 8M90W7D 256QAM: 8M90W7D Pi/2BPSK: 8M93G7D
	NR Band n2 Channel Bandwidth: 15MHz	QPSK: 13M4G7D 16QAM: 13M4W7D 64QAM: 13M4W7D 256QAM: 13M4W7D Pi/2BPSK: 13M4G7D
	NR Band n2 Channel Bandwidth: 20MHz	QPSK: 17M8G7D 16QAM: 17M9W7D 64QAM: 17M9W7D 256QAM: 17M8W7D Pi/2BPSK: 17M9G7D
	NR Band n2 Channel Bandwidth: 25MHz	QPSK: 22M9G7D 16QAM: 22M8W7D 64QAM: 22M8W7D 256QAM: 22M8W7D Pi/2BPSK: 22M8G7D
	NR Band n2 Channel Bandwidth: 30MHz	QPSK: 28M6G7D 16QAM: 28M5W7D 64QAM: 28M6W7D 256QAM: 28M5W7D Pi/2BPSK: 28M6G7D
	NR Band n2 Channel Bandwidth: 40MHz	QPSK: 38M5G7D 16QAM: 38M4W7D 64QAM: 38M5W7D 256QAM: 38M5W7D Pi/2BPSK: 38M6G7D
	NR Band n5 Channel Bandwidth: 5MHz	QPSK: 4M46G7D 16QAM: 4M46W7D 64QAM: 4M48W7D 256QAM: 4M47W7D Pi/2BPSK: 4M48G7D



	NR Band n5 Channel Bandwidth: 10MHz	QPSK: 8M90G7D 16QAM: 8M92W7D 64QAM: 8M91W7D 256QAM: 8M91W7D Pi/2BPSK: 8M91G7D
	NR Band n5 Channel Bandwidth: 15MHz	QPSK: 13M4G7D 16QAM: 13M4W7D 64QAM: 13M4W7D 256QAM: 13M4W7D Pi/2BPSK: 13M4G7D
	NR Band n5 Channel Bandwidth: 20MHz	QPSK: 17M9G7D 16QAM: 17M9W7D 64QAM: 17M9W7D 256QAM: 17M9W7D Pi/2BPSK: 17M9G7D
	NR Band n5 Channel Bandwidth: 25MHz	QPSK: 23M0G7D 16QAM: 22M9W7D 64QAM: 22M8W7D 256QAM: 22M8W7D Pi/2BPSK: 22M9G7D
	NR Band n7 Channel Bandwidth: 5MHz	QPSK: 4M46G7D 16QAM: 4M46W7D 64QAM: 4M48W7D 256QAM: 4M49W7D Pi/2BPSK: 4M48G7D
	NR Band n7 Channel Bandwidth: 10MHz	QPSK: 8M91G7D 16QAM: 8M93W7D 64QAM: 8M91W7D 256QAM: 8M91W7D Pi/2BPSK: 8M91G7D
	NR Band n7 Channel Bandwidth: 15MHz	QPSK: 13M4G7D 16QAM: 13M4W7D 64QAM: 13M4W7D 256QAM: 13M4W7D Pi/2BPSK: 13M4G7D
	NR Band n7 Channel Bandwidth: 20MHz	QPSK: 17M9G7D 16QAM: 17M9W7D 64QAM: 17M9W7D 256QAM: 17M9W7D Pi/2BPSK: 17M9G7D



	NR Band n7 Channel Bandwidth: 25MHz	QPSK: 22M9G7D 16QAM: 22M8W7D 64QAM: 22M8W7D 256QAM: 22M8W7D Pi/2BPSK: 22M8G7D
	NR Band n7 Channel Bandwidth: 30MHz	QPSK: 28M5G7D 16QAM: 28M6W7D 64QAM: 28M5W7D 256QAM: 28M6W7D Pi/2BPSK: 28M6G7D
	NR Band n7 Channel Bandwidth: 40MHz	QPSK: 38M6G7D 16QAM: 38M4W7D 64QAM: 38M6W7D 256QAM: 38M5W7D Pi/2BPSK: 38M6G7D
	NR Band n7 Channel Bandwidth: 50MHz	QPSK: 48M2G7D 16QAM: 48M2W7D 64QAM: 48M2W7D 256QAM: 48M2W7D Pi/2BPSK: 48M1G7D
EMISSION DESIGNATOR	NR Band n41 Channel Bandwidth: 10MHz	QPSK: 8M56G7D 16QAM: 8M56W7D 64QAM: 8M58W7D 256QAM: 8M58W7D Pi/2BPSK: 8M50G7D
	NR Band n41 Channel Bandwidth: 15MHz	QPSK: 12M8G7D 16QAM: 12M8W7D 64QAM: 12M8W7D 256QAM: 12M8W7D Pi/2BPSK: 12M8G7D
	NR Band n41 Channel Bandwidth: 20MHz	QPSK: 17M8G7D 16QAM: 17M9W7D 64QAM: 17M8W7D 256QAM: 17M8W7D Pi/2BPSK: 17M8G7D
	NR Band n41 Channel Bandwidth: 25MHz	QPSK: 22M9G7D 16QAM: 22M9W7D 64QAM: 22M8W7D 256QAM: 22M9W7D Pi/2BPSK: 22M9G7D



	NR Band n41 Channel Bandwidth: 30MHz	QPSK: 26M7G7D 16QAM: 26M8W7D 64QAM: 26M8W7D 256QAM: 26M8W7D Pi/2BPSK: 26M8G7D
	NR Band n41 Channel Bandwidth: 40MHz	QPSK: 35M7G7D 16QAM: 35M8W7D 64QAM: 35M8W7D 256QAM: 35M8W7D Pi/2BPSK: 35M7G7D
	NR Band n41 Channel Bandwidth: 50MHz	QPSK: 45M7G7D 16QAM: 45M7W7D 64QAM: 45M7W7D 256QAM: 45M7W7D Pi/2BPSK: 45M7G7D
	NR Band n41 Channel Bandwidth: 60MHz	QPSK: 57M9G7D 16QAM: 57M8W7D 64QAM: 57M7W7D 256QAM: 57M8W7D Pi/2BPSK: 57M9G7D
	NR Band n41 Channel Bandwidth: 70MHz	QPSK: 64M3G7D 16QAM: 64M2W7D 64QAM: 64M2W7D 256QAM: 64M1W7D Pi/2BPSK: 64M2G7D
	NR Band n41 Channel Bandwidth: 80MHz	QPSK: 77M1G7D 16QAM: 76M8W7D 64QAM: 77M2W7D 256QAM: 77M0W7D Pi/2BPSK: 77M1G7D
	NR Band n41 Channel Bandwidth: 90MHz	QPSK: 86M6G7D 16QAM: 86M9W7D 64QAM: 86M4W7D 256QAM: 86M5W7D Pi/2BPSK: 86M8G7D
	NR Band n41 Channel Bandwidth: 100MHz	QPSK: 96M3G7D 16QAM: 96M4W7D 64QAM: 96M2W7D 256QAM: 96M1W7D Pi/2BPSK: 96M2G7D
EMISSION DESIGNATOR	NR Band n66 Channel Bandwidth: 5MHz	QPSK: 4M46G7D 16QAM: 4M45W7D 64QAM: 4M48W7D 256QAM: 4M47W7D Pi/2BPSK: 4M48G7D



	NR Band n66 Channel Bandwidth: 10MHz	QPSK: 8M90G7D 16QAM: 8M92W7D 64QAM: 8M91W7D 256QAM: 8M91W7D Pi/2BPSK: 8M91G7D
	NR Band n66 Channel Bandwidth: 15MHz	QPSK: 13M4G7D 16QAM: 13M4W7D 64QAM: 13M4W7D 256QAM: 13M4W7D Pi/2BPSK: 13M4G7D
	NR Band n66 Channel Bandwidth: 20MHz	QPSK: 17M9G7D 16QAM: 17M9W7D 64QAM: 17M9W7D 256QAM: 17M9W7D Pi/2BPSK: 17M8G7D
	NR Band n66 Channel Bandwidth: 25MHz	QPSK: 22M9G7D 16QAM: 22M8W7D 64QAM: 22M8W7D 256QAM: 22M8W7D Pi/2BPSK: 22M8G7D
	NR Band n66 Channel Bandwidth: 30MHz	QPSK: 28M6G7D 16QAM: 28M5W7D 64QAM: 28M5W7D 256QAM: 28M5W7D Pi/2BPSK: 28M5G7D
	NR Band n66 Channel Bandwidth: 40MHz	QPSK: 38M5G7D 16QAM: 38M4W7D 64QAM: 38M5W7D 256QAM: 38M5W7D Pi/2BPSK: 38M5G7D
EMISSION DESIGNATOR	NR Band 77(Part27Q) Channel Bandwidth: 10MHz	QPSK: 8M59G7D 16QAM: 8M58W7D 64QAM: 8M58W7D 256QAM: 8M56W7D Pi/2BPSK: 8M59G7D
	NR Band 77(Part27Q) Channel Bandwidth: 15MHz	QPSK: 12M8G7D 16QAM: 12M8W7D 64QAM: 12M8W7D 256QAM: 12M8W7D Pi/2BPSK: 12M9G7D
	NR Band 77(Part27Q) Channel Bandwidth: 20MHz	QPSK: 17M8G7D 16QAM: 17M9W7D 64QAM: 17M8W7D 256QAM: 17M8W7D Pi/2BPSK: 17M8G7D



	NR Band 77(Part27Q) Channel Bandwidth: 25MHz	QPSK: 22M9G7D 16QAM: 22M9W7D 64QAM: 22M9W7D 256QAM: 22M9W7D Pi/2BPSK: 22M9G7D
	NR Band 77(Part27Q) Channel Bandwidth: 30MHz	QPSK: 26M7G7D 16QAM: 26M8W7D 64QAM: 26M8W7D 256QAM: 26M8W7D Pi/2BPSK: 26M8G7D
	NR Band 77(Part27Q) Channel Bandwidth: 40MHz	QPSK: 35M7G7D 16QAM: 35M8W7D 64QAM: 35M8W7D 256QAM: 35M8W7D Pi/2BPSK: 35M7G7D
	NR Band 77(Part27Q) Channel Bandwidth: 50MHz	QPSK: 45M7G7D 16QAM: 45M7W7D 64QAM: 45M7W7D 256QAM: 45M7W7D Pi/2BPSK: 45M7G7D
	NR Band 77(Part27Q) Channel Bandwidth: 60MHz	QPSK: 57M9G7D 16QAM: 57M8W7D 64QAM: 57M8W7D 256QAM: 57M8W7D Pi/2BPSK: 57M8G7D
	NR Band 77(Part27Q) Channel Bandwidth: 70MHz	QPSK: 64M3G7D 16QAM: 64M2W7D 64QAM: 64M2W7D 256QAM: 64M2W7D Pi/2BPSK: 64M2G7D
	NR Band 77(Part27Q) Channel Bandwidth: 80MHz	QPSK: 77M1G7D 16QAM: 76M9W7D 64QAM: 77M2W7D 256QAM: 77M1W7D Pi/2BPSK: 77M1G7D
	NR Band 77(Part27Q) Channel Bandwidth: 90MHz	QPSK: 86M6G7D 16QAM: 86M9W7D 64QAM: 86M5W7D 256QAM: 86M6W7D Pi/2BPSK: 86M7G7D
	NR Band 77(Part27Q) Channel Bandwidth: 100MHz	QPSK: 96M4G7D 16QAM: 96M4W7D 64QAM: 96M3W7D 256QAM: 96M3W7D Pi/2BPSK: 96M2G7D



EMISSION DESIGNATOR EMISSION DESIGNATOR	NR Band 77(Part270) Channel Bandwidth: 10MHz	QPSK: 8M60G7D 16QAM: 8M58W7D 64QAM: 8M57W7D 256QAM: 8M56W7D Pi/2BPSK: 8M55G7D
	NR Band 77(Part270) Channel Bandwidth: 15MHz	QPSK: 12M8G7D 16QAM: 12M8W7D 64QAM: 12M8W7D 256QAM: 12M8W7D Pi/2BPSK: 12M8G7D
	NR Band 77(Part270) Channel Bandwidth: 20MHz	QPSK: 17M8G7D 16QAM: 17M9W7D 64QAM: 17M8W7D 256QAM: 17M8W7D Pi/2BPSK: 17M8G7D
	NR Band 77(Part270) Channel Bandwidth: 25MHz	QPSK: 22M9G7D 16QAM: 22M9W7D 64QAM: 22M9W7D 256QAM: 22M9W7D Pi/2BPSK: 22M9G7D
	NR Band 77(Part270) Channel Bandwidth: 30MHz	QPSK: 26M8G7D 16QAM: 26M8W7D 64QAM: 26M8W7D 256QAM: 26M8W7D Pi/2BPSK: 26M8G7D
	NR Band 77(Part270) Channel Bandwidth: 40MHz	QPSK: 35M7G7D 16QAM: 35M8W7D 64QAM: 35M8W7D 256QAM: 35M8W7D Pi/2BPSK: 35M7G7D
	NR Band 77(Part270) Channel Bandwidth: 50MHz	QPSK: 45M7G7D 16QAM: 45M7W7D 64QAM: 45M7W7D 256QAM: 45M7W7D Pi/2BPSK: 45M7G7D
	NR Band 77(Part270) Channel Bandwidth: 60MHz	QPSK: 57M9G7D 16QAM: 57M8W7D 64QAM: 57M8W7D 256QAM: 57M8W7D Pi/2BPSK: 57M9G7D



	NR Band 77(Part27O) Channel Bandwidth: 70MHz	QPSK: 64M2G7D 16QAM: 64M3W7D 64QAM: 64M2W7D 256QAM: 64M2W7D Pi/2BPSK: 64M2G7D
	NR Band 77(Part27O) Channel Bandwidth: 80MHz	QPSK: 77M1G7D 16QAM: 76M9W7D 64QAM: 77M2W7D 256QAM: 77M1W7D Pi/2BPSK: 77M1G7D
	NR Band 77(Part27O) Channel Bandwidth: 90MHz	QPSK: 86M6G7D 16QAM: 86M9W7D 64QAM: 86M5W7D 256QAM: 86M6W7D Pi/2BPSK: 86M8G7D
	NR Band 77(Part27O) Channel Bandwidth: 100MHz	QPSK: 96M4G7D 16QAM: 96M4W7D 64QAM: 96M3W7D 256QAM: 96M3W7D Pi/2BPSK: 96M3G7D
5G SA MAX. EIRP POWER	NR Band n2 Channel Bandwidth: 5MHz	159.22mW
	NR Band n2 Channel Bandwidth: 10MHz	161.81mW
	NR Band n2 Channel Bandwidth: 15MHz	164.06mW
	NR Band n2 Channel Bandwidth: 20MHz	162.93mW
	NR Band n2 Channel Bandwidth: 25MHz	158.49mW
	NR Band n2 Channel Bandwidth: 30MHz	163.68mW
	NR Band n2 Channel Bandwidth: 35MHz	161.81mW
	NR Band n2 Channel Bandwidth: 40MHz	165.20mW



	NR Band n5 Channel Bandwidth: 5MHz	641.21mW
	NR Band n5 Channel Bandwidth: 10MHz	389.05mW
	NR Band n5 Channel Bandwidth: 15MHz	389.94mW
	NR Band n5 Channel Bandwidth: 20MHz	391.74mW
	NR Band n5 Channel Bandwidth: 25MHz	651.63mW
	NR Band n7 Channel Bandwidth: 5MHz	301.30mW
	NR Band n7 Channel Bandwidth: 10MHz	299.92mW
	NR Band n7 Channel Bandwidth: 15MHz	300.61mW
	NR Band n7 Channel Bandwidth: 20MHz	301.30mW
	NR Band n7 Channel Bandwidth: 25MHz	300.61mW
	NR Band n7 Channel Bandwidth: 30MHz	302.00mW
	NR Band n7 Channel Bandwidth: 35MHz	287.74mW
	NR Band n7 Channel Bandwidth: 40MHz	302.69mW
	NR Band n7 Channel Bandwidth: 50MHz	307.61mW



	NR Band n41 Channel Bandwidth: 10MHz	336.51mW
	NR Band n41 Channel Bandwidth: 15MHz	328.85mW
	NR Band n41 Channel Bandwidth: 20MHz	337.29mW
	NR Band n41 Channel Bandwidth: 25MHz	334.20mW
	NR Band n41 Channel Bandwidth: 30MHz	329.61mW
	NR Band n41 Channel Bandwidth: 35MHz	335.74mW
	NR Band n41 Channel Bandwidth: 40MHz	327.34mW
	NR Band n41 Channel Bandwidth: 45MHz	328.10mW
	NR Band n41 Channel Bandwidth: 50MHz	334.20mW
	NR Band n41 Channel Bandwidth: 60MHz	325.09mW
	NR Band n41 Channel Bandwidth: 70MHz	332.66mW
	NR Band n41 Channel Bandwidth: 80MHz	338.84mW
	NR Band n41 Channel Bandwidth: 90MHz	331.89mW
	NR Band n41 Channel Bandwidth: 100MHz	340.41mW



	NR Band n66 Channel Bandwidth: 5MHz	207.49mW
	NR Band n66 Channel Bandwidth: 10MHz	204.17mW
	NR Band n66 Channel Bandwidth: 15MHz	204.64mW
	NR Band n66 Channel Bandwidth: 20MHz	201.84mW
	NR Band n66 Channel Bandwidth: 25MHz	203.24mW
	NR Band n66 Channel Bandwidth: 30MHz	205.12mW
	NR Band n66 Channel Bandwidth: 35MHz	206.06mW
	NR Band n66 Channel Bandwidth: 40MHz	207.49mW
	NR Band n66 Channel Bandwidth: 45MHz	208.93mW
	NR Band 77(Part27Q) Channel Bandwidth: 10MHz	407.38mW
	NR Band 77(Part27Q) Channel Bandwidth: 15MHz	407.38mW
	NR Band 77(Part27Q) Channel Bandwidth: 20MHz	414.95mW
	NR Band 77(Part27Q) Channel Bandwidth: 25MHz	416.87mW
	NR Band 77(Part27Q) Channel Bandwidth: 30MHz	416.87mW
	NR Band 77(Part27Q) Channel Bandwidth: 40MHz	410.20mW



	NR Band 77(Part27Q) Channel Bandwidth: 50MHz	407.38mW
	NR Band 77(Part27Q) Channel Bandwidth: 60MHz	410.20mW
	NR Band 77(Part27Q) Channel Bandwidth: 70MHz	415.91mW
	NR Band 77(Part27Q) Channel Bandwidth: 80MHz	412.10mW
	NR Band 77(Part27Q) Channel Bandwidth: 90MHz	413.05mW
	NR Band 77(Part27Q) Channel Bandwidth: 100MHz	417.83mW
	NR Band 77(Part27O) Channel Bandwidth: 10MHz	391.74mW
	NR Band 77(Part27O) Channel Bandwidth: 15MHz	381.94mW
	NR Band 77(Part27O) Channel Bandwidth: 20MHz	387.26mW
	NR Band 77(Part27O) Channel Bandwidth: 25MHz	400.87mW
	NR Band 77(Part27O) Channel Bandwidth: 30MHz	374.11mW
	NR Band 77(Part27O) Channel Bandwidth: 40MHz	398.11mW
	NR Band 77(Part27O) Channel Bandwidth: 50MHz	353.18mW
	NR Band 77(Part27O) Channel Bandwidth: 60MHz	397.19mW
	NR Band 77(Part27O) Channel Bandwidth: 70MHz	404.58mW
	NR Band 77(Part27O) Channel Bandwidth: 80MHz	387.26mW
NR Band 77(Part27O) Channel Bandwidth: 90MHz	399.02mW	



	NR Band 77(Part27Q) Channel Bandwidth: 100MHz	409.26mW
	NR Band 78(Part27Q) Channel Bandwidth: 10MHz	410.20mW
	NR Band 78(Part27Q) Channel Bandwidth: 15MHz	421.70mW
	NR Band 78(Part27Q) Channel Bandwidth: 20MHz	434.51mW
	NR Band 78(Part27Q) Channel Bandwidth: 25MHz	435.51mW
	NR Band 78(Part27Q) Channel Bandwidth: 30MHz	415.91mW
	NR Band 78(Part27Q) Channel Bandwidth: 40MHz	420.73mW
	NR Band 78(Part27Q) Channel Bandwidth: 50MHz	414.00mW
	NR Band 78(Part27Q) Channel Bandwidth: 60MHz	431.52mW
	NR Band 78(Part27Q) Channel Bandwidth: 70MHz	430.53mW
	NR Band 78(Part27Q) Channel Bandwidth: 80MHz	436.52mW
	NR Band 78(Part27Q) Channel Bandwidth: 90MHz	433.51mW
	NR Band 78(Part27Q) Channel Bandwidth: 100MHz	452.90mW
	NR Band 77(Part27Q)(HPUE) Channel Bandwidth: 10MHz	647.14mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 15MHz	626.61mW
NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 20MHz	666.81mW	



	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 25MHz	644.17mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 30MHz	641.21mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 40MHz	656.15mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 50MHz	644.17mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 60MHz	668.34mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 70MHz	647.14mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 80MHz	659.17mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 90MHz	642.69mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 100MHz	669.88mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 10MHz	636.80mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 15MHz	635.33mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 20MHz	653.13mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 25MHz	590.20mW



	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 30MHz	630.96mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 40MHz	644.17mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 50MHz	650.13mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 60MHz	635.33mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 70MHz	641.21mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 80MHz	651.63mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 90MHz	646.55mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 100MHz	654.64mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 10MHz	654.64mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 15MHz	647.14mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 20MHz	660.69mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 25MHz	654.64mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 30MHz	651.63mW



	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 40MHz	668.34mW	
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 50MHz	656.15mW	
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 60MHz	662.22mW	
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 70MHz	659.17mW	
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 80MHz	674.53mW	
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 90MHz	665.27mW	
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 100MHz	676.08mW	
ANTENNA TYPE*	PIFA		
ANTENNA GAIN	N2	ANT2	-1.7dBi
		ANT3	-4.87dBi
	N5	ANT0	-2.29dBi
		ANT1	3.02dBi
	N7	ANT0	-3.04dBi
		ANT2	-1.55dBi
		ANT3	-3.15dBi
	N38	ANT4	-0.07dBi
		ANT0	-3.24dBi
		ANT2	-1.55dBi
		ANT3	-2.72dBi
	N41	ANT4	0.09dBi
		ANT0	-3.04dBi
		ANT2	-1.55dBi
		ANT3	-2.72dBi
	N66	ANT4	0.09dBi
ANT0		-3.23dBi	
ANT2		-1.08dBi	
ANT3		-2.08dBi	
		ANT4	-3.07dBi



	N77	ANT1	-0.73dBi
		ANT2	-1.2dBi
		ANT3	0.98dBi
		ANT7	-0.8dBi
	N78	ANT1	-0.73dBi
		ANT2	-1.2dBi
		ANT3	0.98dBi
		ANT7	-1.4dBi
HW VERSION*	13510010U		
SW VERSION*	Xiaomi HyperOS 2.0		
I/O PORTS*	Refer to user's manual		
CABLE SUPPLIED*	USB cable1: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable2: non-shielded cable, with w/o ferrite core, 1.0 meter		
EXTREME TEMPERATURE*	0°C-40°C		
EXTREME VOLTAGE*	3.8V-4.3V		

NOTE:

- *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information , Test Lab is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.
- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- The EUT incorporates a SISO function.

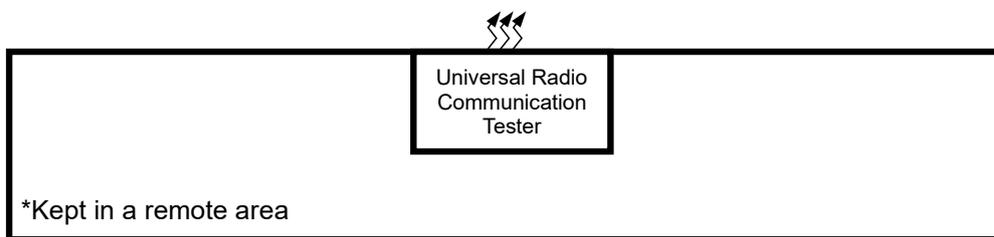
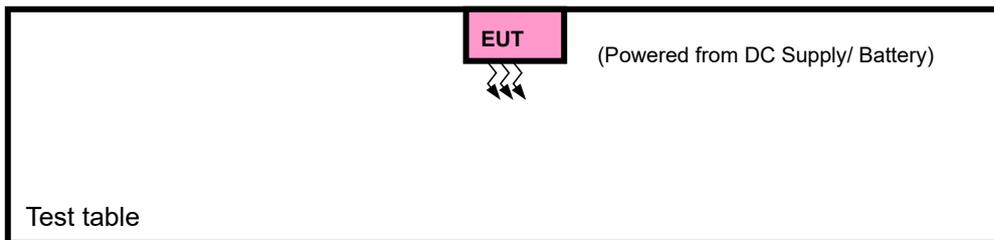
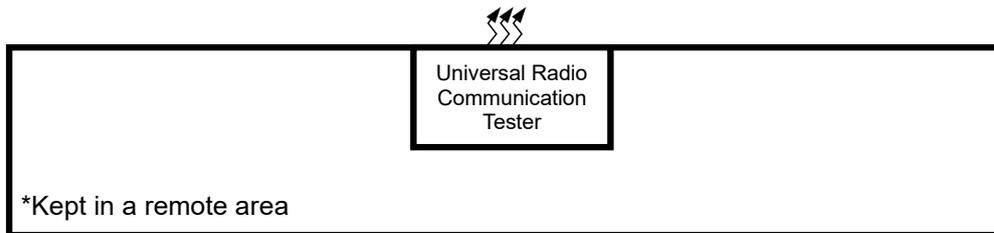
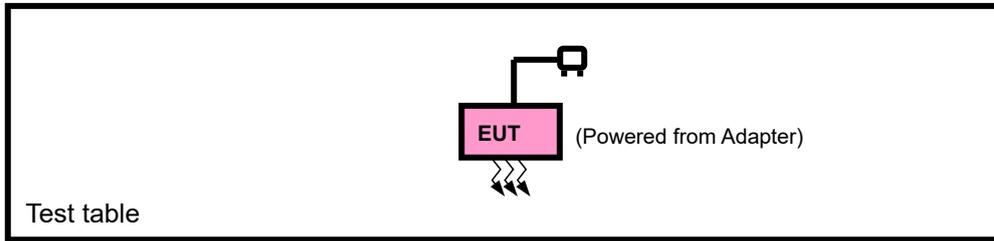
MODULATION MODE	TX FUNCTION
N2/N5	2Tx/2Rx
N7/N38/N41/N66/N77/N78	4Tx4Rx

- For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
- Max ERP/EIRP is according to Max conducted power calculate for SA.
- The power of single LTE/NR band is larger than that in ENDC/CA, so single LTE/NR band data can cover the RSE risk of ENDC/CA part



2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST





2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Laptop	Lenovo	ThinkPad E14	HRSW00024	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	USB cable1: non-shielded cable, with w/o ferrite core, 1.0 meter
2	USB cable2: non-shielded cable, with w/o ferrite core, 1.0 meter

2.4 TEST ITEM AND TEST CONFIGURATION

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case was found when positioned on Y-plane for EIRP and X-axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	DESCRIPTION
A	EUT + Adapter + USB Cable with 5G NR link
B	EUT + DC Supply with 5G NR link



5G NR n2 MODE (SA_n2)

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)		
A	EIRP	370500 to 381500	370500 to 381500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset		
		371000 to 381000	371000 to 381000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset		
		371500 to 380500	371500 to 380500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset		
		372000 to 513500	372000 to 513500	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset		
		372500 to 379500	372500 to 379500	Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset		
		373000 to 379000	373000 to 379000	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset		
		373500 to 378500	373500 to 378500	Low, Middle, High	35MHz	QPSK	1RB/ 0RB Offset		
		347000 to 378000	347000 to 378000	Low, Middle, High	40MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset		
B	FREQUENCY STABILITY	370500 to 381500	370500 to 381500	Low, Middle, High	5MHz	QPSK	Outer_ Full		
		371000 to 381000	371000 to 381000	Low, Middle, High	10MHz	QPSK	Outer_ Full		
		371500 to 380500	371500 to 380500	Low, Middle, High	15MHz	QPSK	Outer_ Full		
		372000 to 513500	372000 to 513500	Low, Middle, High	20MHz	QPSK	Outer_ Full		
		372500 to 379500	372500 to 379500	Low, Middle, High	25MHz	QPSK	Outer_ Full		
		373000 to 379000	373000 to 379000	Low, Middle, High	30MHz	QPSK	Outer_ Full		
		347000 to 378000	347000 to 378000	Low, Middle, High	40MHz	QPSK	Outer_ Full		
		A	PEAK TO AVERAGE RATIO	370500 to 381500	370500 to 381500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset Outer_ Full
371000 to 381000	371000 to 381000			Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset Outer_ Full		
371500 to 380500	371500 to 380500			Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset Outer_ Full		
372000 to 513500	372000 to 513500			Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset Outer_ Full		
372500 to 379500	372500 to 379500			Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset Outer_ Full		
373000 to 379000	373000 to 379000			Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset Outer_ Full		
347000 to 378000	347000 to 378000			Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset Outer_ Full		
A	OCCUPIED BANDWIDTH			370500 to 381500	370500 to 381500	Middle	5MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full



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		371000 to 381000	371000 to 381000	Middle	10MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		371500 to 380500	371500 to 380500	Middle	15MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		372000 to 513500	372000 to 513500	Middle	20MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		372500 to 379500	372500 to 379500	Low, Middle, High	25MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		373000 to 379000	373000 to 379000	Low, Middle, High	30MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		347000 to 378000	347000 to 378000	Low, Middle, High	40MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
A	BAND EDGE	370500 to 381500	370500 to 381500	Low	5MHz	QPSK	1RB/ 0RB Offset
				High	5MHz	QPSK	Outer_ Full
		371000 to 381000	371000 to 381000	Low	10MHz	QPSK	1RB/ 24RB Offset
				High	10MHz	QPSK	Outer_ Full
		371500 to 380500	371500 to 380500	Low	15MHz	QPSK	1RB/ 0RB Offset
				High	15MHz	QPSK	1RB/ 51RB Offset
		372000 to 513500	372000 to 513500	Low	20MHz	QPSK	Outer_ Full
				High	20MHz	QPSK	1RB/ 0RB Offset
		372000 to 513500	372000 to 513500	Low	20MHz	QPSK	1RB/ 78RB Offset
				High	20MHz	QPSK	Outer_ Full
		372000 to 513500	372000 to 513500	Low	20MHz	QPSK	1RB/ 0RB Offset
				High	20MHz	QPSK	Outer_ Full
A	CONDUCTED EMISSION	370500 to 381500	370500 to 381500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		371000 to 381000	371000 to 381000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		371500 to 380500	371500 to 380500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		372000 to 513500	372000 to 513500	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset



		372500 to 379500	372500 to 379500	Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset
		373000 to 379000	373000 to 379000	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
		347000 to 378000	347000 to 378000	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	370500 to 381500	370500 to 381500	Middle	5MHz	QPSK	1RB/ 0RB Offset
		371000 to 381000	371000 to 381000	Middle	10MHz	QPSK	1RB/ 0RB Offset
		371500 to 380500	371500 to 380500	Middle	15MHz	QPSK	1RB/ 0RB Offset
		372000 to 513500	372000 to 513500	Middle	20MHz	QPSK	1RB/ 0RB Offset
		372500 to 379500	372500 to 379500	Middle	25MHz	QPSK	1RB/ 0RB Offset
		373000 to 379000	373000 to 379000	Middle	30MHz	QPSK	1RB/ 0RB Offset
		373500 to 378500	373500 to 378500	Middle	35MHz	QPSK	1RB/ 0RB Offset
		347000 to 378000	347000 to 378000	Middle	40MHz	QPSK	1RB/ 0RB Offset

Note: 1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The EIRP calculate presented in the report from worst SA n2.

5G NR n5 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	ERP	165300 to 169300	165300 to 169300	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		165800 to 168800	165800 to 168800	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		166300 to 168300	166300 to 168300	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		166800 to 167800	166800 to 167800	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		167300	167300	Middle	25MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
B	FREQUENCY STABILITY	165300 to 169300	165300 to 169300	Low, Middle, High	5MHz	QPSK	Outer_ Full
		165800 to 168800	165800 to 168800	Low, Middle, High	10MHz	QPSK	Outer_ Full
		166300 to 168300	166300 to 168300	Low, Middle, High	15MHz	QPSK	Outer_ Full
		166800 to 167800	166800 to 167800	Low, Middle, High	20MHz	QPSK	Outer_ Full
		167300	167300	Middle	25MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	165300 to 169300	165300 to 169300	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset Outer_ Full
		165800 to 168800	165800 to 168800	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset



		166300 to 168300	166300 to 168300	Low, Middle, High	15MHz	QPSK	Outer_Full 1RB/ 0RB Offset
							Outer_Full
		166800 to 167800	166800 to 167800	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
							Outer_Full
		167300	167300	Middle	25MHz	QPSK	1RB/ 0RB Offset
							Outer_Full
A	OCCUPIED BANDWIDTH	165300 to 169300	165300 to 169300	Middle	5MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		165800 to 168800	165800 to 168800	Middle	10MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		166300 to 168300	166300 to 168300	Middle	15MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		166800 to 167800	166800 to 167800	Middle	20MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		167300	167300	Middle	25MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
A	BAND EDGE	165300 to 169300	165300 to 169300	Low	5MHz	QPSK	1RB/ 0RB Offset
							Outer_Full
		165800 to 168800	165800 to 168800	High	5MHz	QPSK	1RB/ 24RB Offset
							Outer_Full
		166800 to 167800	166800 to 167800	Low	10MHz	QPSK	1RB/ 0RB Offset
							Outer_Full
		166800 to 167800	166800 to 167800	High	10MHz	QPSK	1RB/ 51RB Offset
							Outer_Full
166800 to 167800	166800 to 167800	Low	20MHz	QPSK	1RB/ 0RB Offset		
					Outer_Full		
166800 to 167800	166800 to 167800	High	20MHz	QPSK	1RB/ 105RB Offset		
					Outer_Full		
A	CONDUCTED EMISSION	165300 to 169300	165300 to 169300	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		165800 to 168800	165800 to 168800	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		166300 to 168300	166300 to 168300	Middle	15MHz	QPSK	1RB/ 0RB Offset
		166800 to 167800	166800 to 167800	Middle	20MHz	QPSK	1RB/ 0RB Offset



		167300	167300	Middle	25MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	165300 to 169300	165300 to 169300	Middle	5MHz	QPSK	1RB/ 0RB Offset
		165800 to 168800	165800 to 168800	Middle	10MHz	QPSK	1RB/ 0RB Offset
		166300 to 168300	166300 to 168300	Middle	15MHz	QPSK	1RB/ 0RB Offset
		166800 to 167800	166800 to 167800	Middle	20MHz	QPSK	1RB/ 0RB Offset

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The test data presented in the report from worst SA_n5.

5G NR n7 MODE (SA_n7)

EUT CONFIGURE MODE	TEST ITEM	AVAILAB LE CP-OFDM CHANNEL	AVAILABL E DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	ERP	500500 to 513500	500500 to 513500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		51000 to 513000	51000 to 513000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		501500 to 512500	501500 to 512500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		502000 to 512000	502000 to 512000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		502500 to 511500	502500 to 511500	Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset
		503000 to 511000	503000 to 511000	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
		503500 to 510500	503500 to 510500	Low, Middle, High	35MHz	QPSK	1RB/ 0RB Offset
		504000 to 510000	504000 to 510000	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset
		505000 to 509000	505000 to 509000	Low, Middle, High	50MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
B	FREQUENCY STABILITY	500500 to 513500	500500 to 513500	Low, Middle, High	5MHz	QPSK	Outer_ Full
		51000 to 513000	51000 to 513000	Low, Middle, High	10MHz	QPSK	Outer_ Full
		501500 to 512500	501500 to 512500	Low, Middle, High	15MHz	QPSK	Outer_ Full
		502000 to 512000	502000 to 512000	Low, Middle, High	20MHz	QPSK	Outer_ Full
		502500 to 511500	502500 to 511500	Low, Middle, High	25MHz	QPSK	Outer_ Full
		503000 to 511000	503000 to 511000	Low, Middle, High	30MHz	QPSK	Outer_ Full
		503500 to 510500	503500 to 510500	Low, Middle, High	35MHz	QPSK	Outer_ Full
		504000 to 510000	504000 to 510000	Low, Middle, High	40MHz	QPSK	Outer_ Full
		505000 to 509000	505000 to 509000	Low, Middle, High	50MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	500500 to 513500	500500 to 513500	Low, Middle, High	5 MHz	QPSK	1RB/ 0RB Offset Outer_ Full



		51000 to 513000	51000 to 513000	Low, Middle, High	10 MHz	QPSK	1RB/ 0RB Offset			
		Outer_Full								
		501500 to 512500	501500 to 512500	Low, Middle, High	15 MHz	QPSK	1RB/ 0RB Offset			
		Outer_Full								
		502000 to 512000	502000 to 512000	Low, Middle, High	20 MHz	QPSK QPSK	1RB/ 0RB Offset			
		Outer_Full								
		502500 to 511500	502500 to 511500	Low, Middle, High	25 MHz	QPSK	1RB/ 0RB Offset			
		Outer_Full								
503000 to 511000	503000 to 511000	Low, Middle, High	30 MHz	QPSK	1RB/ 0RB Offset					
Outer_Full										
503500 to 510500	503500 to 510500	Low, Middle, High	35 MHz	QPSK	1RB/ 0RB Offset					
Outer_Full										
504000 to 510000	504000 to 510000	Low, Middle, High	40 MHz	QPSK	1RB/ 0RB Offset					
Outer_Full										
505000 to 509000	505000 to 509000	Low, Middle, High	50 MHz	QPSK	1RB/ 0RB Offset					
Outer_Full										
A	OCCUPIED BANDWIDTH	500500 to 513500	500500 to 513500	Middle	5MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_Full			
		51000 to 513000	51000 to 513000	Middle	10MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_Full			
		501500 to 512500	501500 to 512500	Middle	15MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_Full			
		502000 to 512000	502000 to 512000	Middle	20MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_Full			
A	BAND EDGE	500500 to 513500	500500 to 513500	Low	5MHz	QPSK	1RB/ 0RB Offset			
				Outer_Full						
				Mid	5MHz	QPSK	1RB/ 0RB Offset			
		Outer_Full								
		High	5MHz	QPSK	1RB/ 24RB Offset					
		Outer_Full								
		51000 to 513000	51000 to 513000	Low	10MHz	QPSK	1RB/ 0RB Offset			
				Outer_Full						
				Mid	10MHz	QPSK	1RB/ 0RB Offset			
Outer_Full										
High	10MHz	QPSK	1RB/ 51RB Offset							
Outer_Full										



		501500 to 512500	501500 to 512500	Low	15MHz	QPSK	1RB/ 0RB Offset
						Outer_Full	
				Mid	15MHz	QPSK	1RB/ 0RB Offset
				Outer_Full			
				High	15MHz	QPSK	1RB/ 51RB Offset
				Outer_Full			
		502000 to 512000	502000 to 512000	Low	20MHz	QPSK	1RB/ 0RB Offset
						Outer_Full	
				Mid	20MHz	QPSK	1RB/ 0RB Offset
				Outer_Full			
				High	20MHz	QPSK	1RB/ 51RB Offset
				Outer_Full			
502500 to 511500	502500 to 511500	Low	25MHz	QPSK	1RB/ 0RB Offset		
				Outer_Full			
		Mid	25MHz	QPSK	1RB/ 0RB Offset		
		Outer_Full					
		High	25MHz	QPSK	1RB/ 51RB Offset		
		Outer_Full					
503000 to 511000	503000 to 511000	Low	30MHz	QPSK	1RB/ 0RB Offset		
				Outer_Full			
		Mid	30MHz	QPSK	1RB/ 0RB Offset		
		Outer_Full					
		High	30MHz	QPSK	1RB/ 51RB Offset		
		Outer_Full					
504000 to 510000	504000 to 510000	Low	40MHz	QPSK	1RB/ 0RB Offset		
				Outer_Full			
		Mid	40MHz	QPSK	1RB/ 0RB Offset		
		Outer_Full					
		High	40MHz	QPSK	1RB/ 51RB Offset		
		Outer_Full					
505000 to 509000	505000 to 509000	Low	50MHz	QPSK	1RB/ 0RB Offset		
				Outer_Full			
		Mid	50MHz	QPSK	1RB/ 0RB Offset		
		Outer_Full					
		High	50MHz	QPSK	1RB/ 51RB Offset		

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							Outer Full
A	CONDUCTED EMISSION	500500 to 513500	500500 to 513500	Low, Middle, High	5 MHz	QPSK	1RB/ 0RB Offset
		51000 to 513000	51000 to 513000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		501500 to 512500	501500 to 512500	Low, Middle, High	15 MHz	QPSK	1RB/ 0RB Offset
		502000 to 512000	502000 to 512000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		502500 to 511500	502500 to 511500	Low, Middle, High	25 MHz	QPSK	1RB/ 0RB Offset
		503000 to 511000	503000 to 511000	Low, Middle, High	30 MHz	QPSK	1RB/ 0RB Offset
		504000 to 510000	504000 to 510000	Low, Middle, High	40 MHz	QPSK	1RB/ 0RB Offset
		505000 to 509000	505000 to 509000	Low, Middle, High	50 MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	500500 to 513500	500500 to 513500	Middle	5MHz	QPSK	1RB/ 0RB Offset
		51000 to 513000	51000 to 513000	Middle	10MHz	QPSK	1RB/ 0RB Offset
		501500 to 512500	501500 to 512500	Middle	15MHz	QPSK	1RB/ 0RB Offset
		502000 to 512000	502000 to 512000	Middle	20MHz	QPSK	1RB/ 0RB Offset
		502500 to 511500	502500 to 511500	Middle	25MHz	QPSK	1RB/ 0RB Offset
		503000 to 511000	503000 to 511000	Middle	30MHz	QPSK	1RB/ 0RB Offset
		503500 to 510500	503500 to 510500	Middle	35MHz	QPSK	1RB/ 0RB Offset
		504000 to 510000	504000 to 510000	Middle	40MHz	QPSK	1RB/ 0RB Offset
		505000 to 509000	505000 to 509000	Middle	50MHz	QPSK	1RB/ 0RB Offset

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The test data presented in the report from worst SA_n7.



5G NR n41 MODE (SA_n41)

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)	
A	EIRP	500202 to 537000	500202 to 537000	Low, Middle, High	10MHz	QPSK,	1RB/ 0RB Offset	
		500700 to 536496	500700 to 536496	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset	
		501204 to 535998	501204 to 535998	Low, Middle, High	20MHz	QPSK,	1RB/ 0RB Offset	
		501702 to 535500	501702 to 535500	Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset	
		502200 to 534996	502200 to 534996	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset	
		503202 to 534000	503202 to 534000	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset	
		504200 to 532998	504200 to 532998	Low, Middle, High	50MHz	QPSK	1RB/ 0RB Offset	
		505200 to 531996	505200 to 531996	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset	
		506202 to 531000	506202 to 531000	Low, Middle, High	70MHz	QPSK	1RB/ 0RB Offset	
		507204 to 529998	507204 to 529998	Low, Middle, High	80MHz	QPSK	1RB/ 0RB Offset	
		508200 to 528996	508200 to 528996	Low, Middle, High	90MHz	QPSK	1RB/ 0RB Offset	
		509202 to 528000	509202 to 528000	Low, Middle, High	100MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset	
A	FREQUENCY STABILITY	500202 to 537000	500202 to 537000	Low, Middle, High	10MHz	QPSK	Outer_Full	
		500700 to 536496	500700 to 536496	Low, Middle, High	15MHz	QPSK	Outer_Full	
		501204 to 535998	501204 to 535998	Low, Middle, High	20MHz	QPSK	Outer_Full	
		501702 to 535500	501702 to 535500	Low, Middle, High	25MHz	QPSK	Outer_Full	
		502200 to 534996	502200 to 534996	Low, Middle, High	30MHz	QPSK	Outer_Full	
		503202 to 534000	503202 to 534000	Low, Middle, High	40MHz	QPSK	Outer_Full	
		504200 to 532998	504200 to 532998	Low, Middle, High	50MHz	QPSK	Outer_Full	
		505200 to 531996	505200 to 531996	Low, Middle, High	60MHz	QPSK	Outer_Full	
		506202 to 531000	506202 to 531000	Low, Middle, High	70MHz	QPSK	Outer_Full	
		507204 to 529998	507204 to 529998	Low, Middle, High	80MHz	QPSK	Outer_Full	
		508200 to 528996	508200 to 528996	Low, Middle, High	90MHz	QPSK	Outer_Full	
		509202 to 528000	509202 to 528000	Low, Middle, High	100MHz	QPSK	Outer_Full	
A	PEAK TO AVERAGE RATIO	500202 to 537000	500202 to 537000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset	
		500700 to 536496	500700 to 536496	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset	
								Outer_Full
								Outer_Full



		501204 to 535998	501204 to 535998	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		501702 to 535500	501702 to 535500	Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		502200 to 534996	502200 to 534996	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		503202 to 534000	503202 to 534000	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		504200 to 532998	504200 to 532998	Low, Middle, High	50MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
505200 to 531996	505200 to 531996	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset		
					Outer_ Full		
506202 to 531000	506202 to 531000	Low, Middle, High	70MHz	QPSK	1RB/ 0RB Offset		
					Outer_ Full		
507204 to 529998	507204 to 529998	Low, Middle, High	80MHz	QPSK	1RB/ 0RB Offset		
					Outer_ Full		
508200 to 528996	508200 to 528996	Low, Middle, High	90MHz	QPSK	1RB/ 0RB Offset		
					Outer_ Full		
509202 to 528000	509202 to 528000	Low, Middle, High	100MHz	QPSK	1RB/ 0RB Offset		
					Outer_ Full		
A	OCCUPIED BANDWIDTH	500202 to 537000	500202 to 537000	Middle	10MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		500700 to 536496	500700 to 536496	Middle	15MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		501204 to 535998	501204 to 535998	Middle	20MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		501702 to 535500	501702 to 535500	Middle	25MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		502200 to 534996	502200 to 534996	Middle	30MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		503202 to 534000	503202 to 534000	Middle	40MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		504200 to 532998	504200 to 532998	Middle	50MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		505200 to 531996	505200 to 531996	Middle	60MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		506202 to 531000	506202 to 531000	Middle	70MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		507204 to 529998	507204 to 529998	Middle	80MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		508200 to 528996	508200 to 528996	Middle	90MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
		509202 to 528000	509202 to 528000	Middle	100MHz	Pi/2BPSK,QPSK,16QAM,64QAM,256QAM	Outer_ Full
A	BAND EDGE	500202 to 537000	500202 to 537000	Low	10MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full



				High	10MHz	QPSK	1RB/ 50RB Offset
				Outer_Full			
		500700 to 536496	500700 to 536496	Low	15MHz	QPSK	1RB/ 0RB Offset
				Outer_Full			
				High	15MHz	QPSK	1RB/ 50RB Offset
				Outer_Full			
		501204 to 535998	501204 to 535998	Low	20MHz	QPSK	1RB/ 0RB Offset
				Outer_Full			
				High	20MHz	QPSK	1RB/ 50RB Offset
				Outer_Full			
		501702 to 535500	501702 to 535500	Low	25MHz	QPSK	1RB/ 161RB Offset
				Outer_Full			
				High	25MHz	QPSK	1RB/ 161RB Offset
				Outer_Full			
		502200 to 534996	502200 to 534996	Low	30MHz	QPSK	1RB/ 161RB Offset
				Outer_Full			
				High	30MHz	QPSK	1RB/ 161RB Offset
				Outer_Full			
		503202 to 534000	503202 to 534000	Low	40MHz	QPSK	1RB/ 0RB Offset
				Outer_Full			
		High	40MHz	QPSK	1RB/ 50RB Offset		
		Outer_Full					
504200 to 532998	504200 to 532998	Low	50MHz	QPSK	1RB/ 0RB Offset		
		Outer_Full					
		High	50MHz	QPSK	1RB/ 50RB Offset		
		Outer_Full					
505200 to 531996	505200 to 531996	Low	60MHz	QPSK	1RB/ 0RB Offset		
		Outer_Full					
		High	60MHz	QPSK	1RB/ 161RB Offset		
		Outer_Full					
506202 to 531000	506202 to 531000	Low	70MHz	QPSK	1RB/ 161RB Offset		
		Outer_Full					
		High	70MHz	QPSK	1RB/ 161RB Offset		
		Outer_Full					
507204 to 529998	507204 to 529998	Low	80MHz	QPSK	1RB/ 161RB Offset		
		Outer_Full					
		High	80MHz	QPSK	1RB/ 161RB Offset		
		Outer_Full					



		508200 to 528996	508200 to 528996	Low	90MHz	QPSK	1RB/ 161RB Offset		
				High	90MHz	QPSK	Outer Full 1RB/ 161RB Offset		
		509202 to 528000	509202 to 528000	Low	100MHz	QPSK	1RB/ 0RB Offset		
				High	100MHz	QPSK	Outer Full 1RB/ 272RB Offset		
		A	CONDUCTED EMISSION	500202 to 537000	500202 to 537000	Middle	10MHz	QPSK	1RB/ 0RB Offset
				500700 to 536496	500700 to 536496	Middle	15MHz	QPSK	1RB/ 0RB Offset
501204 to 535998	501204 to 535998			Middle	20MHz	QPSK	1RB/ 0RB Offset		
501702 to 535500	501702 to 535500			Middle	25MHz	QPSK	1RB/ 0RB Offset		
502200 to 534996	502200 to 534996			Middle	30MHz	QPSK	1RB/ 0RB Offset		
503202 to 534000	503202 to 534000			Middle	40MHz	QPSK	1RB/ 0RB Offset		
504200 to 532998	504200 to 532998			Middle	50MHz	QPSK	1RB/ 0RB Offset		
505200 to 531996	505200 to 531996			Middle	60MHz	QPSK	1RB/ 0RB Offset		
506202 to 531000	506202 to 531000			Middle	70MHz	QPSK	1RB/ 0RB Offset		
507204 to 529998	507204 to 529998			Middle	80MHz	QPSK	1RB/ 0RB Offset		
508200 to 528996	508200 to 528996			Middle	90MHz	QPSK	1RB/ 0RB Offset		
509202 to 528000	509202 to 528000			Middle	100MHz	QPSK	1RB/ 0RB Offset		
A	RADIATED EMISSION	500202 to 537000	500202 to 537000	Middle	10MHz	QPSK	1RB/ 0RB Offset		
		500700 to 536496	500700 to 536496	Middle	15MHz	QPSK	1RB/ 0RB Offset		



		501204 to 535998	501204 to 535998	Middle	20MHz	QPSK	1RB/ ORB Offset
		501702 to 535500	501702 to 535500	Middle	25MHz	QPSK	1RB/ ORB Offset
		502200 to 534996	502200 to 534996	Middle	30MHz	QPSK	1RB/ ORB Offset
		503202 to 534000	503202 to 534000	Middle	40MHz	QPSK	1RB/ ORB Offset
		504200 to 532998	504200 to 532998	Middle	50MHz	QPSK	1RB/ ORB Offset
		505200 to 531996	505200 to 531996	Middle	60MHz	QPSK	1RB/ ORB Offset
		506202 to 531000	506202 to 531000	Middle	70MHz	QPSK	1RB/ ORB Offset
		507204 to 529998	507204 to 529998	Middle	80MHz	QPSK	1RB/ ORB Offset
		508200 to 528996	508200 to 528996	Middle	90MHz	QPSK	1RB/ ORB Offset
		509202 to 528000	509202 to 528000	Middle	100MHz	QPSK	1RB/ ORB Offset

Note: 1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The test data presented in the report from worst SA_n41.

5G NR n66 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	EIRP	342500 to 355500	342500 to 355500	Low, Middle, High	5MHz	QPSK	1RB/ ORB Offset
		343000 to 355000	343000 to 355000	Low, Middle, High	10MHz	QPSK	1RB/ ORB Offset
		343500 to 354500	343500 to 354500	Low, Middle, High	15MHz	QPSK	1RB/ ORB Offset
		344000 to 354000	344000 to 354000	Low, Middle, High	20MHz	QPSK	1RB/ ORB Offset
		344500 to 353000	344500 to 353000	Low, Middle, High	25MHz	QPSK	1RB/ ORB Offset
		345000 to 353000	345000 to 353000	Low, Middle, High	30MHz	QPSK	1RB/ ORB Offset
		345500 to 352500	345500 to 352500	Low, Middle, High	35MHz	QPSK	1RB/ ORB Offset
		346000 to 352000	346000 to 352000	Low, Middle, High	40MHz	QPSK	1RB/ ORB Offset
		346500 to 351500	346500 to 351500	Low, Middle, High	45MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ ORB Offse
A	FREQUENCY STABILITY	342500 to 355500	342500 to 355500	Low, Middle, High	5MHz	QPSK	Outer_ Full
		343000 to 355000	343000 to 355000	Low, Middle, High	10MHz	QPSK	Outer_ Full
		343500 to 354500	343500 to 354500	Low, Middle, High	15MHz	QPSK	Outer_ Full
		344000 to 354000	344000 to 354000	Low, Middle, High	20MHz	QPSK	Outer_ Full
		344500 to 353000	344500 to 353000	Low, Middle, High	25MHz	QPSK	Outer_ Full
		345000 to 353000	345000 to 353000	Low, Middle, High	30MHz	QPSK	Outer_ Full
		346000 to 352000	346000 to 352000	Low, Middle, High	40MHz	QPSK	Outer_ Full



A	PEAK TO AVERAGE RATIO	342500 to 355500	342500 to 355500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset	
								Outer_ Full
		343000 to 355000	343000 to 355000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset	
								Outer_ Full
		343500 to 354500	343500 to 354500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset	
								Outer_ Full
		346000 to 352000	346000 to 352000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset	
						Outer_ Full		
A	OCCUPIED BANDWIDTH	344500 to 353000	344500 to 353000	Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset	
								Outer_ Full
		345000 to 353000	345000 to 353000	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset	
								Outer_ Full
		346000 to 352000	346000 to 352000	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset	
								Outer_ Full
		342500 to 355500	342500 to 355500	Middle	5MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full	
343000 to 355000	343000 to 355000	Middle	10MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full			
343500 to 354500	343500 to 354500	Middle	15MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full			
344000 to 354000	344000 to 354000	Middle	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full			
344500 to 353000	344500 to 353000	Low, Middle, High	25MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full			
345000 to 353000	345000 to 353000	Low, Middle, High	30MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full			
346000 to 352000	346000 to 352000	Middle	40MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full			
A	BAND EDGE	502008 to 535998	502008 to 535998	Low	5MHz	QPSK	1RB/ 0RB Offset	
		343000 to 355000	343000 to 355000	High	5MHz	QPSK	1RB/ 24RB Offset	
		343500 to 354500	343500 to 354500	Low	10MHz	QPSK	1RB/ 0RB Offset	
		505008 to 532998	505008 to 532998	High	10MHz	QPSK	1RB/ 0RB Offset	
		343500 to 354500	343500 to 354500	Low	15MHz	QPSK	1RB/ 0RB Offset	
505008 to 532998	505008 to 532998	High	15MHz	QPSK	1RB/ 0RB Offset			
								Outer_ Full
505008 to 532998	505008 to 532998	Low	20MHz	QPSK	1RB/ 0RB Offset			



				High	20MHz	QPSK	Outer_Full 1RB/ 105RB Offset
				Outer_Full			
		344500 to 353000	344500 to 353000	Low	25MHz	QPSK	Outer_Full 1RB/ 0RB Offset
				Outer_Full			
		345000 to 353000	345000 to 353000	High	25MHz	QPSK	Outer_Full 1RB/ 0RB Offset
				Outer_Full			
		345000 to 353000	345000 to 353000	Low	30MHz	QPSK	Outer_Full 1RB/ 0RB Offset
				Outer_Full			
		508002 to 529998	508002 to 529998	High	30MHz	QPSK	Outer_Full 1RB/ 0RB Offset
				Outer_Full			
508002 to 529998	508002 to 529998	Low	40MHz	QPSK	Outer_Full 1RB/ 0RB Offset		
		Outer_Full					
508002 to 529998	508002 to 529998	High	40MHz	QPSK	Outer_Full 1RB/ 215RB Offset		
		Outer_Full					
A	CONDUCTED EMISSION	342500 to 355500	342500 to 355500	Middle	5MHz	QPSK	1RB/ 0RB Offset
		343000 to 355000	343000 to 355000	Middle	10MHz	QPSK	1RB/ 0RB Offset
		343500 to 354500	343500 to 354500	Middle	15MHz	QPSK	1RB/ 0RB Offset
		344000 to 354000	344000 to 354000	Middle	20MHz	QPSK	1RB/ 0RB Offset
		344500 to 353000	344500 to 353000	Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset
		345000 to 353000	345000 to 353000	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
		346000 to 352000	346000 to 352000	Middle	40MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	342500 to 355500	342500 to 355500	Middle	5MHz	QPSK	1RB/ 0RB Offset
		343000 to 355000	343000 to 355000	Middle	10MHz	QPSK	1RB/ 0RB Offset
		343500 to 354500	343500 to 354500	Middle	15MHz	QPSK	1RB/ 0RB Offset
		344000 to 354000	344000 to 354000	Middle	20MHz	QPSK	1RB/ 0RB Offset
		344500 to 353000	344500 to 353000	Middle	25MHz	QPSK	1RB/ 0RB Offset
		345000 to 353000	345000 to 353000	Middle	30MHz	QPSK	1RB/ 0RB Offset

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		346000 to 352000	346000 to 352000	Middle	40MHz	QPSK	1RB/ 0RB Offset
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Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The test data presented in the report from worst SA_n66.

5G NR n77(Part27Q)

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	EIRP	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	1RB/ 0RB Offset
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	1RB/ 0RB Offset
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	1RB/ 0RB Offset
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	1RB/ 0RB Offset
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		A	FREQUENCY STABILITY	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz
647166 to 664832	647166 to 664832			Low, Middle, High	15MHz	QPSK	Outer_ Full
647334 to 664666	647334 to 664666			Low, Middle, High	20MHz	QPSK	Outer_ Full
630834 to 635832	630834 to 635832			Low, Middle, High	25MHz	QPSK	Outer_ Full
647670 to 664332	647670 to 664332			Low, Middle, High	30MHz	QPSK	Outer_ Full
648000 to 664000	648000 to 664000			Low, Middle, High	40MHz	QPSK	Outer_ Full
648336 to 663666	648336 to 663666			Low, Middle, High	50MHz	QPSK	Outer_ Full
648668 to 663332	648668 to 663332			Low, Middle, High	60MHz	QPSK	Outer_ Full
632664 to 634332	632664 to 634332			Low, Middle, High	70MHz	QPSK	Outer_ Full
649334 to 662666	649334 to 662666			Low, Middle, High	80MHz	QPSK	Outer_ Full
633000 to 633666	633000 to 633666			Low, Middle, High	90MHz	QPSK	Outer_ Full
650000 to 662000	650000 to 662000			Low, Middle, High	100MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO			647000 to 664998	647000 to 664998	Low, Middle, High	10MHz
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	QPSK	Outer_ Full



		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	Outer_ Full
		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	QPSK	Outer_ Full
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	QPSK	Outer_ Full
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	QPSK	Outer_ Full
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	Outer_ Full
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	Outer_ Full
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	Outer_ Full
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	Outer_ Full
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	Outer_ Full
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	QPSK	Outer_ Full
A	OCCUPIED BANDWIDTH	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	647000 to 664998	647000 to 664998	Low	10MHz	QPSK	1RB/ 1RB Offset Outer_ Full
				High	10MHz	QPSK	1RB/ 1RB Offset Outer_ Full
		647166 to 664832	647166 to 664832	Low	15MHz	QPSK	1RB/ 1RB Offset Outer_ Full
				High	15MHz	QPSK	1RB/ 1RB Offset Outer_ Full
		647334 to 664666	647334 to 664666	Low	20MHz	QPSK	1RB/ 1RB Offset Outer_ Full
							Outer_ Full



				High	20MHz	QPSK	1RB/ 1RB Offset
							Outer Full
		630834 to 635832	630834 to 635832	Low	25MHz	QPSK	1RB/ 1RB Offset
							Outer Full
				High	25MHz	QPSK	1RB/ 1RB Offset
							Outer Full
		647670 to 664332	647670 to 664332	Low	30MHz	QPSK	1RB/ 1RB Offset
							Outer Full
				High	30MHz	QPSK	1RB/ 1RB Offset
							Outer Full
		648000 to 664000	648000 to 664000	Low	40MHz	QPSK	1RB/ 1RB Offset
							Outer Full
				High	40MHz	QPSK	1RB/ 1RB Offset
							Outer Full
		648336 to 663666	648336 to 663666	Low	50MHz	QPSK	1RB/ 1RB Offset
							Outer Full
				High	50MHz	QPSK	1RB/ 1RB Offset
							Outer Full
		648668 to 663332	648668 to 663332	Low	60MHz	QPSK	1RB/ 1RB Offset
							Outer Full
				High	60MHz	QPSK	1RB/ 1RB Offset
							Outer Full
		632664 to 634332	632664 to 634332	Low	70MHz	QPSK	1RB/ 1RB Offset
							Outer Full
				High	70MHz	QPSK	1RB/ 1RB Offset
							Outer Full
		649334 to 662666	649334 to 662666	Low	80MHz	QPSK	1RB/ 1RB Offset
							Outer Full
				High	80MHz	QPSK	1RB/ 1RB Offset
							Outer Full
		633000 to 633666	633000 to 633666	Low	90MHz	QPSK	1RB/ 1RB Offset
							Outer Full
				High	90MHz	QPSK	1RB/ 1RB Offset
							Outer Full
		650000 to 662000	650000 to 662000	Low	100MHz	QPSK	1RB/ 1RB Offset



							Outer Full
							Outer Full
				High	100MHz	QPSK	1RB/ 1RB Offset
							Outer Full
							Outer Full
A	CONDUCTED EMISSION	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	1RB/ 0RB Offset
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	1RB/ 0RB Offset
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	1RB/ 0RB Offset
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	1RB/ 0RB Offset
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	647000 to 664998	647000 to 664998	Middle	10MHz	QPSK	1RB/ 0RB Offset
		647166 to 664832	647166 to 664832	Middle	15MHz	QPSK	1RB/ 0RB Offset
		647334 to 664666	647334 to 664666	Middle	20MHz	QPSK	1RB/ 0RB Offset
		630834 to 635832	630834 to 635832	Middle	25MHz	QPSK	1RB/ 0RB Offset
		647670 to 664332	647670 to 664332	Middle	30MHz	QPSK	1RB/ 0RB Offset
		648000 to 664000	648000 to 664000	Middle	40MHz	QPSK	1RB/ 0RB Offset
		648336 to 663666	648336 to 663666	Middle	50MHz	QPSK	1RB/ 0RB Offset

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	648668 to 663332	648668 to 663332	Middle	60MHz	QPSK	1RB/ ORB Offset
	632664 to 634332	632664 to 634332	Middle	70MHz	QPSK	1RB/ ORB Offset
	649334 to 662666	649334 to 662666	Middle	80MHz	QPSK	1RB/ ORB Offset
	633000 to 633666	633000 to 633666	Middle	90MHz	QPSK	1RB/ ORB Offset
	650000 to 662000	650000 to 662000	Middle	100MHz	QPSK	1RB/ ORB Offset

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The EIRP calculate presented in the report from worst SA n77(Part27Q).

5G NR n77(Part27O) MODE (SA_N78)

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	EIRP	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	QPSK	1RB/ ORB Offset
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	QPSK	1RB/ ORB Offset
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	1RB/ ORB Offset
		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	QPSK	1RB/ ORB Offset
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	QPSK	1RB/ ORB Offset
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	QPSK	1RB/ ORB Offset
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	1RB/ ORB Offset
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	1RB/ ORB Offset
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	1RB/ ORB Offset
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	1RB/ ORB Offset
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	1RB/ ORB Offset
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ ORB Offset
A	FREQUENCY STABILITY	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	QPSK	Outer_ Full
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	QPSK	Outer_ Full
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	Outer_ Full
		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	QPSK	Outer_ Full
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	QPSK	Outer_ Full
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	QPSK	Outer_ Full
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	Outer_ Full
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	Outer_ Full



BUREAU VERITAS Test Report No.: PSZ-QBJ2501200112RF12

		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	Outer_ Full		
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	Outer_ Full		
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	Outer_ Full		
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	QPSK	Outer_ Full		
A	PEAK TO AVERAGE RATIO	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	QPSK	Outer_ Full		
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	QPSK	Outer_ Full		
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	Outer_ Full		
		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	QPSK	Outer_ Full		
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	QPSK	Outer_ Full		
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	QPSK	Outer_ Full		
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	Outer_ Full		
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	Outer_ Full		
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	Outer_ Full		
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	Outer_ Full		
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	Outer_ Full		
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	QPSK	Outer_ Full		
		A	OCCUPIED BANDWIDTH	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
647166 to 664832	647166 to 664832			Low, Middle, High	15MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full		
647334 to 664666	647334 to 664666			Low, Middle, High	20MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full		
630834 to 635832	630834 to 635832			Low, Middle, High	25MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full		
647670 to 664332	647670 to 664332			Low, Middle, High	30MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full		
648000 to 664000	648000 to 664000			Low, Middle, High	40MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full		
648336 to 663666	648336 to 663666			Low, Middle, High	50MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full		
648668 to 663332	648668 to 663332			Low, Middle, High	60MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full		
632664 to 634332	632664 to 634332			Low, Middle, High	70MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full		
649334 to 662666	649334 to 662666			Low, Middle, High	80MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full		
633000 to 633666	633000 to 633666			Low, Middle, High	90MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full		
650000 to 662000	650000 to 662000			Low, Middle, High	100MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full		
A	BAND EDGE	647000 to 664998	647000 to 664998	Low	10MHz	QPSK	1RB/ 1RB Offset Outer_ Full		
				High	10MHz	QPSK	1RB/ 1RB Offset Outer_ Full		

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647166 to 664832	647166 to 664832	Low	15MHz	QPSK	1RB/ 1RB Offset
		High	15MHz	QPSK	1RB/ 1RB Offset
647334 to 664666	647334 to 664666	Low	20MHz	QPSK	1RB/ 1RB Offset
		High	20MHz	QPSK	1RB/ 1RB Offset
630834 to 635832	630834 to 635832	Low	25MHz	QPSK	1RB/ 1RB Offset
		High	25MHz	QPSK	1RB/ 1RB Offset
647670 to 664332	647670 to 664332	Low	30MHz	QPSK	1RB/ 1RB Offset
		High	30MHz	QPSK	1RB/ 1RB Offset
648000 to 664000	648000 to 664000	Low	40MHz	QPSK	1RB/ 1RB Offset
		High	40MHz	QPSK	1RB/ 1RB Offset
648336 to 663666	648336 to 663666	Low	50MHz	QPSK	1RB/ 1RB Offset
		High	50MHz	QPSK	1RB/ 1RB Offset
648668 to 663332	648668 to 663332	Low	60MHz	QPSK	1RB/ 1RB Offset
		High	60MHz	QPSK	1RB/ 1RB Offset
632664 to 634332	632664 to 634332	Low	70MHz	QPSK	1RB/ 1RB Offset
		High	70MHz	QPSK	1RB/ 1RB Offset
649334 to 662666	649334 to 662666	Low	80MHz	QPSK	1RB/ 1RB Offset
		High	80MHz	QPSK	1RB/ 1RB Offset

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368 1008



		633000 to 633666	633000 to 633666	Low	90MHz	QPSK	Outer Full 1RB/ 1RB Offset		
				High	90MHz	QPSK	Outer Full 1RB/ 1RB Offset		
				Low	100MHz	QPSK	Outer Full 1RB/ 1RB Offset		
		650000 to 662000	650000 to 662000	High	100MHz	QPSK	Outer Full 1RB/ 1RB Offset		
				Low	100MHz	QPSK	Outer Full 1RB/ 1RB Offset		
				High	100MHz	QPSK	Outer Full 1RB/ 1RB Offset		
		A	CONDUCTED EMISSION	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
				647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
				647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
630834 to 635832	630834 to 635832			Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset		
647670 to 664332	647670 to 664332			Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset		
648000 to 664000	648000 to 664000			Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset		
648336 to 663666	648336 to 663666			Low, Middle, High	50MHz	QPSK	1RB/ 0RB Offset		
648668 to 663332	648668 to 663332			Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset		
632664 to 634332	632664 to 634332			Low, Middle, High	70MHz	QPSK	1RB/ 0RB Offset		
649334 to 662666	649334 to 662666			Low, Middle, High	80MHz	QPSK	1RB/ 0RB Offset		
633000 to 633666	633000 to 633666			Low, Middle, High	90MHz	QPSK	1RB/ 0RB Offset		
650000 to 662000	650000 to 662000			Low, Middle, High	100MHz	QPSK	1RB/ 0RB Offset		
A	RADIATED EMISSION	647000 to 664998	647000 to 664998	Middle	10MHz	QPSK	1RB/ 0RB Offset		



	647166 to 664832	647166 to 664832	Middle	15MHz	QPSK	1RB/ ORB Offset
	647334 to 664666	647334 to 664666	Middle	20MHz	QPSK	1RB/ ORB Offset
	630834 to 635832	630834 to 635832	Middle	25MHz	QPSK	1RB/ ORB Offset
	647670 to 664332	647670 to 664332	Middle	30MHz	QPSK	1RB/ ORB Offset
	648000 to 664000	648000 to 664000	Middle	40MHz	QPSK	1RB/ ORB Offset
	648336 to 663666	648336 to 663666	Middle	50MHz	QPSK	1RB/ ORB Offset
	648668 to 663332	648668 to 663332	Middle	60MHz	QPSK	1RB/ ORB Offset
	632664 to 634332	632664 to 634332	Middle	70MHz	QPSK	1RB/ ORB Offset
	649334 to 662666	649334 to 662666	Middle	80MHz	QPSK	1RB/ ORB Offset
	633000 to 633666	633000 to 633666	Middle	90MHz	QPSK	1RB/ ORB Offset
	650000 to 662000	650000 to 662000	Middle	100MHz	QPSK	1RB/ ORB Offset

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The test data presented in the report from worst SA_n77(Part 270).

5G NR Band n78(Part27Q) (SA_n78)

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	EIRP	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	QPSK	1RB/ ORB Offset
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	QPSK	1RB/ ORB Offset
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	1RB/ ORB Offset
		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	QPSK	1RB/ ORB Offset
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	QPSK	1RB/ ORB Offset
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	QPSK	1RB/ ORB Offset
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	1RB/ ORB Offset
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	1RB/ ORB Offset
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	1RB/ ORB Offset
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	1RB/ ORB Offset
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	1RB/ ORB Offset
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ ORB Offset
A	FREQUENCY STABILITY	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	QPSK	Outer_ Full
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	QPSK	Outer_ Full
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	Outer_ Full



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		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	QPSK	Outer_Full
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	QPSK	Outer_Full
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	QPSK	Outer_Full
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	Outer_Full
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	Outer_Full
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	Outer_Full
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	Outer_Full
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	Outer_Full
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	QPSK	Outer_Full
A	PEAK TO AVERAGE RATIO	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	QPSK	Outer_Full
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	QPSK	Outer_Full
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	Outer_Full
		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	QPSK	Outer_Full
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	QPSK	Outer_Full
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	QPSK	Outer_Full
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	Outer_Full
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	Outer_Full
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	Outer_Full
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	Outer_Full
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	Outer_Full
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	QPSK	Outer_Full
A	OCCUPIED BANDWIDTH	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_Full



		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	647000 to 664998	647000 to 664998	Low	10MHz	QPSK	1RB/ 1RB Offset
				Outer_ Full			
		647166 to 664832	647166 to 664832	High	10MHz	QPSK	1RB/ 1RB Offset
				Outer_ Full			
		647334 to 664666	647334 to 664666	Low	15MHz	QPSK	1RB/ 1RB Offset
				Outer_ Full			
		647334 to 664666	647334 to 664666	High	15MHz	QPSK	1RB/ 1RB Offset
				Outer_ Full			
		647334 to 664666	647334 to 664666	Low	20MHz	QPSK	1RB/ 1RB Offset
				Outer_ Full			
		647334 to 664666	647334 to 664666	High	20MHz	QPSK	1RB/ 1RB Offset
				Outer_ Full			
		630834 to 635832	630834 to 635832	Low	25MHz	QPSK	1RB/ 1RB Offset
				Outer_ Full			
		630834 to 635832	630834 to 635832	High	25MHz	QPSK	1RB/ 1RB Offset
				Outer_ Full			
		647670 to 664332	647670 to 664332	Low	30MHz	QPSK	1RB/ 1RB Offset
				Outer_ Full			
647670 to 664332	647670 to 664332	High	30MHz	QPSK	1RB/ 1RB Offset		
		Outer_ Full					
648000 to 664000	648000 to 664000	Low	40MHz	QPSK	1RB/ 1RB Offset		
		Outer_ Full					
648000 to 664000	648000 to 664000	High	40MHz	QPSK	1RB/ 1RB Offset		
		Outer_ Full					
648336 to 663666	648336 to 663666	Low	50MHz	QPSK	1RB/ 1RB Offset		
		Outer_ Full					
648336 to 663666	648336 to 663666	High	50MHz	QPSK	1RB/ 1RB Offset		
		Outer_ Full					
648668 to 663332	648668 to 663332	Low	60MHz	QPSK	1RB/ 1RB Offset		
		Outer_ Full					
648668 to 663332	648668 to 663332	High	60MHz	QPSK	1RB/ 1RB Offset		
		Outer_ Full					
632664 to 634332	632664 to 634332	Low	70MHz	QPSK	1RB/ 1RB Offset		



				High	70MHz	QPSK	Outer Full 1RB/ 1RB Offset
				Outer Full			
		649334 to 662666	649334 to 662666	Low	80MHz	QPSK	1RB/ 1RB Offset
				Outer Full			
				High	80MHz	QPSK	1RB/ 1RB Offset
				Outer Full			
		633000 to 633666	633000 to 633666	Low	90MHz	QPSK	1RB/ 1RB Offset
				Outer Full			
				High	90MHz	QPSK	1RB/ 1RB Offset
				Outer Full			
		650000 to 662000	650000 to 662000	Low	100MHz	QPSK	1RB/ 1RB Offset
				Outer Full			
		High	100MHz	QPSK	1RB/ 1RB Offset		
		Outer Full					
A	CONDUCTED EMISSION	647000 to 664998	647000 to 664998	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		647166 to 664832	647166 to 664832	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		630834 to 635832	630834 to 635832	Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset
		647670 to 664332	647670 to 664332	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset
		648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	1RB/ 0RB Offset
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	1RB/ 0RB Offset



		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	1RB/ 0RB Offset
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	1RB/ 0RB Offset
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	647000 to 664998	647000 to 664998	Middle	10MHz	QPSK	1RB/ 0RB Offset
		647166 to 664832	647166 to 664832	Middle	15MHz	QPSK	1RB/ 0RB Offset
		647334 to 664666	647334 to 664666	Middle	20MHz	QPSK	1RB/ 0RB Offset
		630834 to 635832	630834 to 635832	Middle	25MHz	QPSK	1RB/ 0RB Offset
		647670 to 664332	647670 to 664332	Middle	30MHz	QPSK	1RB/ 0RB Offset
		648000 to 664000	648000 to 664000	Middle	40MHz	QPSK	1RB/ 0RB Offset
		648336 to 663666	648336 to 663666	Middle	50MHz	QPSK	1RB/ 0RB Offset
		648668 to 663332	648668 to 663332	Middle	60MHz	QPSK	1RB/ 0RB Offset
		632664 to 634332	632664 to 634332	Middle	70MHz	QPSK	1RB/ 0RB Offset
		649334 to 662666	649334 to 662666	Middle	80MHz	QPSK	1RB/ 0RB Offset
		633000 to 633666	633000 to 633666	Middle	90MHz	QPSK	1RB/ 0RB Offset
		650000 to 662000	650000 to 662000	Middle	100MHz	QPSK	1RB/ 0RB Offset

Note: 1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP	23deg. C, 70%RH	DC 3.93V By Battery	Hanwen Xu
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.93V By Batter	Hanwen Xu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC 3.93V By Batter	Hanwen Xu
BAND EDGE	23deg. C, 70%RH	DC 3.93V By Batter	Hanwen Xu
CONDCUETED EMISSION	23deg. C, 70%RH	DC 3.93V By Batter	Hanwen Xu
RADIATED EMISSION	23deg. C, 70%RH	DC 3.93V By Batter	Hanwen Xu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC 3.93V By Batter	Hanwen Xu



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2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC 47 CFR Part 2

FCC 47 CFR Part 22/24/27

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI/TIA/EIA-603-D

ANSI/TIA/EIA-603-E

ANSI C63.26-2015

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



3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Mobile / Portable station are limited to 7 watts e.r.p. (n5)

Mobile and portable stations are limited to 2 watts EIRP. (n2/n25)

The radiated peak output power shall be according to the specific rule Part 27.50(h)(2) that “User stations are limited to 2 watts” and 27.50(i) specific that “Peak transmit power must be measure over any interval of continuous transmission using instrumentation calibration in terms of rms-equivalent voltage.(n7/n38/n41)”

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP(n66)

According to the specific rule Part 27.50(b)(10) and 27.50(c)(10) Fixed, mobile, and Portable stations (hand-held devices) transmitting in the 698-746 MHz, 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP(n12/n71)

According to the specific rule Part 27.50(j)(4) and Part 27.50(k)(3) ,Mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.(n77/n78)



3.1.2 TEST PROCEDURES

EIRP / ERP MEASUREMENT:

Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_T - L_c$$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively

(expressed in the same units as P_{Meas} , typically dBW or dBm);

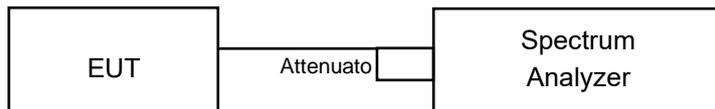
P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

G_T = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

L_c = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

CONDUCTED POWER MEASUREMENT:

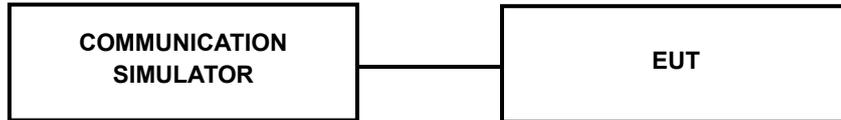
- The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
- Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.





3.1.3 TEST SETUP

CONDUCTED POWER MEASUREMENT:



1. Connect the DUT transmitter output to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
2. Tune the analyzer to the nominal center frequency of the emission bandwidth (EBW).
3. Set the span to twice the nominal EBW (span = 2 x EBW).
4. Set the resolution bandwidth (RBW) to approximately 1% of EBW.
5. Set the video bandwidth (VBW) to $\geq 3 \times \text{RBW}$
6. Select the average power (RMS) display detector.
7. Set the number of measurement points to ≥ 1001 .
8. Use auto-coupled sweep time.
9. Perform measurement over an interval of time when the transmission is continuous and at its maximum power level.
10. Utilize trace averaging over 100 traces in the power averaging mode.
11. Use the Band/Channel Power function to determine the integrated power over the full EBW.
12. Record the band power level.
13. Adjust the recorded level by applying appropriate correction factors for the measurement set-up.
14. Determine the EIRP by adding the effective antenna gain to the adjusted power level.

For the actual test configuration, please refer to the attached file (Test Setup Photo).



3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

n2 (SCS 15 kHz)_Ant2

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High	
		Channel		374000	376000	378000	
		Frequency (MHz)		1870	1880	1890	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.79	23.86	23.83	
		1	108	23.69	23.73	23.68	
		1	214	23.76	23.80	23.75	
		108	0	23.01	23.17	23.23	
		108	54	23.71	23.83	23.62	
		108	108	23.23	23.27	23.24	
	DFT-s-OFDM QPSK	216	0	23.28	23.31	23.24	
		1	1	23.85	23.88	23.79	
		1	108	23.70	23.79	23.73	
		1	214	23.76	23.80	23.69	
		108	0	22.66	22.87	22.78	
		108	54	23.62	23.83	23.76	
	DFT-s-OFDM 16QAM	108	108	22.75	22.88	22.85	
		216	0	22.78	22.94	22.83	
		DFT-s-OFDM 16QAM	1	1	22.80	22.87	22.90
		DFT-s-OFDM 64QAM	1	1	20.73	20.78	20.75
		DFT-s-OFDM 256QAM	1	1	18.66	18.68	18.64
	BW [MHz]	MCS Index	Channel		373500	376000	378500
			Frequency (MHz)		1867.5	1880	1892.5
35M	DFT-s-OFDM QPSK	1	1	23.71	23.79	23.67	
BW [MHz]	MCS Index	Channel		373000	376000	379000	
		Frequency (MHz)		1865	1880	1895	
30M	DFT-s-OFDM QPSK	1	1	23.75	23.84	23.73	
BW [MHz]	MCS Index	Channel		372500	376000	379500	
		Frequency (MHz)		1862.5	1880	1897.5	
25M	DFT-s-OFDM QPSK	1	1	23.56	23.70	23.65	
BW [MHz]	MCS Index	Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM QPSK	1	1	23.59	23.82	23.56	
BW	MCS	Channel		371500	376000	380500	



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[MHz]	Index	Frequency (MHz)		1857.5	1880	1902.5
15M	DFT-s-OFDM QPSK	1	1	23.70	23.85	23.71
BW [MHz]	MCS Index	Channel		371000	376000	381000
		Frequency (MHz)		1855	1880	1905
10M	DFT-s-OFDM QPSK	1	1	23.70	23.79	23.62
BW [MHz]	MCS Index	Channel		370500	376000	381500
		Frequency (MHz)		1852.5	1880	1907.5
5M	DFT-s-OFDM QPSK	1	1	23.62	23.72	23.54



n2 (SCS 15 kHz)_Ant3

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		374000	376000	378000
		Frequency (MHz)		1870	1880	1890
40M	DFT-s-OFDM Pi/2 BPSK	1	1	24.39	24.47	24.36
		1	108	24.24	24.36	24.30
		1	214	24.16	24.31	24.25
		108	0	23.76	23.89	23.86
		108	54	24.32	24.46	24.40
		108	108	23.76	23.82	23.71
		216	0	23.83	23.87	23.85
	DFT-s-OFDM QPSK	1	1	24.49	24.54	24.46
		1	108	24.17	24.21	24.17
		1	214	24.21	24.30	24.15
		108	0	23.35	23.39	23.34
		108	54	24.41	24.46	24.35
		108	108	23.31	23.35	23.23
		216	0	23.43	23.45	23.40
	DFT-s-OFDM 16QAM	1	1	23.42	23.56	23.55
DFT-s-OFDM 64QAM	1	1	21.38	21.45	21.40	
DFT-s-OFDM 256QAM	1	1	19.27	19.35	19.24	
BW [MHz]	MCS Index	Channel		373500	376000	378500
		Frequency (MHz)		1867.5	1880	1892.5
35M	DFT-s-OFDM QPSK	1	1	24.31	24.28	24.33
BW [MHz]	MCS Index	Channel		373000	376000	379000
		Frequency (MHz)		1865	1880	1895
30M	DFT-s-OFDM QPSK	1	1	24.52	24.49	24.50
BW [MHz]	MCS Index	Channel		372500	376000	379500
		Frequency (MHz)		1862.5	1880	1897.5
25M	DFT-s-OFDM QPSK	1	1	24.50	24.51	24.47
BW [MHz]	MCS Index	Channel		372000	376000	380000
		Frequency (MHz)		1860	1880	1900
20M	DFT-s-OFDM QPSK	1	1	24.48	24.49	24.46
BW [MHz]	MCS Index	Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5
15M	DFT-s-OFDM QPSK	1	1	24.49	24.47	24.47

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BW [MHz]	MCS Index	Channel		371000	376000	381000
		Frequency (MHz)		1855	1880	1905
10M	DFT-s-OFDM QPSK	1	1	24.51	24.50	24.49
BW [MHz]	MCS Index	Channel		370500	376000	381500
		Frequency (MHz)		1852.5	1880	1907.5
5M	DFT-s-OFDM QPSK	1	1	24.52	24.46	24.45



n5 (SCS 15 kHz)_Ant0

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel			167300	
		Frequency (MHz)			836.5	
25M	DFT-s-OFDM Pi/2 BPSK	1	1		25.22	
		1	67		25.16	
		1	131		25.05	
		64	0		24.49	
		64	35		25.15	
		64	69		24.56	
		128	0		24.66	
	DFT-s-OFDM QPSK	1	1		25.22	
		1	67		25.12	
		1	131		25.14	
		64	0		24.18	
		64	35		25.07	
		64	69		24.15	
		128	0		24.24	
	DFT-s-OFDM 16QAM	1	1		24.30	
DFT-s-OFDM 64QAM	1	1		22.25		
DFT-s-OFDM 256QAM	1	1		20.01		
BW [MHz]	MCS Index	Channel		166800	167300	167800
		Frequency (MHz)		834	836.5	839
20M	DFT-s-OFDM QPSK	1	1	24.98	25.10	24.98
BW [MHz]	MCS Index	Channel		166300	167300	168300
		Frequency (MHz)		831.5	836.5	841.5
15M	DFT-s-OFDM QPSK	1	1	25.10	25.14	25.06
BW [MHz]	MCS Index	Channel		165800	167300	168800
		Frequency (MHz)		829	836.5	844
10M	DFT-s-OFDM QPSK	1	1	25.11	25.11	25.07
BW [MHz]	MCS Index	Channel		165300	167300	169300
		Frequency (MHz)		826.5	836.5	846.5
5M	DFT-s-OFDM QPSK	1	1	25.08	25.15	25.02

n5 (SCS 15 kHz)_Ant1

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel			167300	
		Frequency (MHz)			836.5	

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25M	DFT-s-OFDM Pi/2 BPSK	1	1		25.01	
		1	67		25.06	
		1	131		25.07	
		64	0		24.55	
		64	35		25.03	
		64	69		24.51	
		128	0		24.56	
	DFT-s-OFDM QPSK	1	1		25.12	
		1	67		25.08	
		1	131		25.05	
		64	0		24.00	
		64	35		25.04	
		64	69		23.96	
		128	0		24.07	
DFT-s-OFDM 16QAM	1	1		24.17		
DFT-s-OFDM 64QAM	1	1		21.98		
DFT-s-OFDM 256QAM	1	1		19.89		
BW [MHz]	MCS Index	Channel		166800	167300	167800
		Frequency (MHz)		834	836.5	839
20M	DFT-s-OFDM QPSK	1	1	25.02	25.06	25.04
BW [MHz]	MCS Index	Channel		166300	167300	168300
		Frequency (MHz)		831.5	836.5	841.5
15M	DFT-s-OFDM QPSK	1	1	25.01	25.04	25.02
BW [MHz]	MCS Index	Channel		165800	167300	168800
		Frequency (MHz)		829	836.5	844
10M	DFT-s-OFDM QPSK	1	1	24.98	25.03	25.01
BW [MHz]	MCS Index	Channel		165300	167300	169300
		Frequency (MHz)		826.5	836.5	846.5
5M	DFT-s-OFDM QPSK	1	1	25.02	25.05	25.03

n7 (SCS 15 kHz) _Ant0

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High	
		Channel			505000	507000	509000
		Frequency (MHz)			2525	2535	2545
50M	DFT-s-OFDM Pi/2 BPSK	1	1	23.50	23.88	23.48	
		1	135	23.46	23.67	23.49	
		1	268	23.43	23.67	23.47	
		135	0	23.30	23.38	23.25	

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		135	68	23.54	23.72	23.66
		135	135	23.13	23.28	23.00
		270	0	23.18	23.33	23.16
	DFT-s-OFDM QPSK	1	1	23.63	23.91	23.54
		1	135	23.55	23.71	23.51
		1	268	23.59	23.82	23.44
		135	0	22.84	22.89	22.80
		135	68	23.42	23.50	23.43
		135	135	22.57	22.58	22.50
		270	0	22.78	22.83	22.52
DFT-s-OFDM 16QAM	1	1	22.98	22.85	22.85	
DFT-s-OFDM 64QAM	1	1	20.88	20.90	20.94	
DFT-s-OFDM 256QAM	1	1	18.72	18.86	18.84	
BW [MHz]	MCS Index	Channel		504000	507000	510000
		Frequency (MHz)		2520	2535	2550
40M	DFT-s-OFDM QPSK	1	1	23.46	23.88	23.51
BW [MHz]	MCS Index	Channel		503500	507000	510500
		Frequency (MHz)		2517.5	2535	2552.5
35M	DFT-s-OFDM QPSK	1	1	23.61	23.73	23.34
BW [MHz]	MCS Index	Channel		503000	507000	511000
		Frequency (MHz)		2515	2535	2555
30M	DFT-s-OFDM QPSK	1	1	23.33	23.75	23.16
BW [MHz]	MCS Index	Channel		502500	507000	511500
		Frequency (MHz)		2512.5	2535	2557.5
25M	DFT-s-OFDM QPSK	1	1	23.42	23.74	23.22
BW [MHz]	MCS Index	Channel		502000	507000	512000
		Frequency (MHz)		2510	2535	2560
20M	DFT-s-OFDM QPSK	1	1	23.43	23.84	23.25
BW [MHz]	MCS Index	Channel		501500	507000	512500
		Frequency (MHz)		2507.5	2535	2562.5
15M	DFT-s-OFDM QPSK	1	1	23.41	23.74	23.20
BW [MHz]	MCS Index	Channel		501000	507000	513000
		Frequency (MHz)		2505	2535	2565



10M	DFT-s-OFDM QPSK	1	1	23.36	23.75	23.25
BW [MHz]	MCS Index	Channel		500500	507000	513500
		Frequency (MHz)		2502.5	2535	2567.5
5M	DFT-s-OFDM QPSK	1	1	23.44	23.83	23.20



n7 (SCS 15 kHz) _Ant2

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505000	507000	509000
		Frequency (MHz)		2525	2535	2545
50M	DFT-s-OFDM Pi/2 BPSK	1	1	24.92	24.87	24.88
		1	135	24.68	24.62	24.62
		1	268	24.67	24.70	24.68
		135	0	24.44	24.35	24.41
		135	68	24.84	24.87	24.83
		135	135	24.19	24.06	24.04
		270	0	24.33	24.30	24.29
	DFT-s-OFDM QPSK	1	1	25.09	25.04	24.98
		1	135	24.60	24.42	24.28
		1	268	24.22	24.38	24.22
		135	0	23.82	23.97	23.84
		135	68	24.77	24.60	24.65
		135	135	23.48	23.36	23.31
		270	0	23.99	23.65	23.74
	DFT-s-OFDM 16QAM	1	1	23.93	23.99	23.96
	DFT-s-OFDM 64QAM	1	1	21.78	21.89	21.94
DFT-s-OFDM 256QAM	1	1	19.89	19.88	19.80	
BW [MHz]	MCS Index	Channel		504000	507000	510000
		Frequency (MHz)		2520	2535	2550
40M	DFT-s-OFDM QPSK	1	1	25.07	24.96	24.91
BW [MHz]	MCS Index	Channel		503500	507000	510500
		Frequency (MHz)		2517.5	2535	2552.5
35M	DFT-s-OFDM QPSK	1	1	24.85	24.66	24.70
BW [MHz]	MCS Index	Channel		503000	507000	511000
		Frequency (MHz)		2515	2535	2555
30M	DFT-s-OFDM QPSK	1	1	24.92	24.91	24.83
BW [MHz]	MCS Index	Channel		502500	507000	511500
		Frequency (MHz)		2512.5	2535	2557.5
25M	DFT-s-OFDM QPSK	1	1	25.01	24.71	24.73
BW [MHz]	MCS Index	Channel		502000	507000	512000
		Frequency (MHz)		2510	2535	2560
20M	DFT-s-OFDM QPSK	1	1	24.98	24.78	24.80

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BW [MHz]	MCS Index	Channel		501500	507000	512500
		Frequency (MHz)		2507.5	2535	2562.5
15M	DFT-s-OFDM QPSK	1	1	25.03	24.85	24.83
BW [MHz]	MCS Index	Channel		501000	507000	513000
		Frequency (MHz)		2505	2535	2565
10M	DFT-s-OFDM QPSK	1	1	25.05	24.81	24.81
BW [MHz]	MCS Index	Channel		500500	507000	513500
		Frequency (MHz)		2502.5	2535	2567.5
5M	DFT-s-OFDM QPSK	1	1	25.04	24.80	24.90



n7 (SCS 15 kHz)_Ant3

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505000	507000	509000
		Frequency (MHz)		2525	2535	2545
50M	DFT-s-OFDM Pi/2 BPSK	1	1	24.63	25.21	25.08
		1	135	24.66	25.13	24.98
		1	268	24.59	25.01	24.86
		135	0	24.24	24.75	24.63
		135	68	24.78	25.24	25.08
		135	135	24.20	24.52	24.53
		270	0	24.29	24.53	24.58
	DFT-s-OFDM QPSK	1	1	24.54	25.36	25.19
		1	135	24.52	25.28	25.13
		1	268	24.49	25.18	25.12
		135	0	23.63	24.13	24.00
		135	68	24.70	25.30	25.18
		135	135	23.50	23.84	23.71
		270	0	23.72	24.19	24.06
	DFT-s-OFDM 16QAM	1	1	24.07	24.30	24.26
DFT-s-OFDM 64QAM	1	1	21.89	22.14	22.05	
DFT-s-OFDM 256QAM	1	1	19.95	20.16	20.03	
40M	DFT-s-OFDM QPSK	1	1	24.51	25.27	25.09
35M	DFT-s-OFDM QPSK	1	1	24.48	25.12	25.07
30M	DFT-s-OFDM QPSK	1	1	24.53	25.25	25.08
25M	DFT-s-OFDM QPSK	1	1	24.49	25.26	25.05
20M	DFT-s-OFDM QPSK	1	1	24.51	25.25	24.09

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BW [MHz]	MCS Index	Channel		501500	507000	512500
		Frequency (MHz)		2507.5	2535	2562.5
15M	DFT-s-OFDM QPSK	1	1	24.52	25.23	24.06
BW [MHz]	MCS Index	Channel		501000	507000	513000
		Frequency (MHz)		2505	2535	2565
10M	DFT-s-OFDM QPSK	1	1	24.48	25.24	25.01
BW [MHz]	MCS Index	Channel		500500	507000	513500
		Frequency (MHz)		2502.5	2535	2567.5
5M	DFT-s-OFDM QPSK	1	1	24.49	25.21	25.02



n7 (SCS 15 kHz) _Ant4

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505000	507000	509000
		Frequency (MHz)		2525	2535	2545
50M	DFT-s-OFDM Pi/2 BPSK	1	1	24.53	24.77	24.76
		1	135	24.54	24.60	24.55
		1	268	24.52	24.65	24.52
		135	0	24.11	24.27	24.23
		135	68	24.56	24.81	24.79
		135	135	24.13	24.26	24.22
		270	0	24.02	24.26	24.21
	DFT-s-OFDM QPSK	1	1	24.72	24.95	24.79
		1	135	24.67	24.58	24.65
		1	268	24.69	24.73	24.70
		135	0	23.52	23.56	23.59
		135	68	24.51	24.77	24.66
		135	135	23.55	23.61	23.53
		270	0	23.56	23.84	23.76
	DFT-s-OFDM 16QAM	1	1	23.74	23.99	23.99
	DFT-s-OFDM 64QAM	1	1	21.62	21.83	21.86
	DFT-s-OFDM 256QAM	1	1	19.57	19.54	19.53
	BW [MHz]	MCS Index	Channel		504000	507000
Frequency (MHz)			2520	2535	2550	
40M	DFT-s-OFDM QPSK	1	1	24.54	24.88	24.78
BW [MHz]	MCS Index	Channel		503500	507000	510500
		Frequency (MHz)		2517.5	2535	2552.5
35M	DFT-s-OFDM QPSK	1	1	24.63	24.66	24.63
BW [MHz]	MCS Index	Channel		503000	507000	511000
		Frequency (MHz)		2515	2535	2555
30M	DFT-s-OFDM QPSK	1	1	24.59	24.87	24.77
BW [MHz]	MCS Index	Channel		502500	507000	511500
		Frequency (MHz)		2512.5	2535	2557.5
25M	DFT-s-OFDM QPSK	1	1	24.67	24.85	24.75
BW [MHz]	MCS Index	Channel		502000	507000	512000
		Frequency (MHz)		2510	2535	2560
20M	DFT-s-OFDM QPSK	1	1	24.61	24.86	24.76

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BW [MHz]	MCS Index	Channel		501500	507000	512500
		Frequency (MHz)		2507.5	2535	2562.5
15M	DFT-s-OFDM QPSK	1	1	24.55	24.85	24.72
BW [MHz]	MCS Index	Channel		501000	507000	513000
		Frequency (MHz)		2505	2535	2565
10M	DFT-s-OFDM QPSK	1	1	24.68	24.84	24.75
BW [MHz]	MCS Index	Channel		500500	507000	513500
		Frequency (MHz)		2502.5	2535	2567.5
5M	DFT-s-OFDM QPSK	1	1	24.72	24.86	24.76



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n38 (SCS 30 kHz)_Ant0

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		518000	519000	520000	
		Frequency (MHz)		2590	2595	2600	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.67	23.81	23.63	0
		1	53	23.39	23.47	23.38	0
		1	104	23.31	23.42	23.28	0
		50	0	22.86	22.91	22.84	0.5
		50	28	23.57	23.62	23.67	0
		50	56	22.58	22.64	22.59	0.5
		100	0	22.58	22.68	22.56	0.5
	DFT-s-OFDM QPSK	1	1	23.72	23.85	23.79	0
		1	53	23.45	23.48	23.42	0
		1	104	23.32	23.50	23.39	0
		50	0	22.83	22.91	22.79	1
		50	28	23.64	23.66	23.47	0
		50	56	22.32	22.35	22.38	1
		100	0	22.46	22.72	22.55	1
	DFT-s-OFDM 16QAM	1	1	22.71	22.87	22.89	1
	DFT-s-OFDM 64QAM	1	1	20.92	20.92	20.81	2.5
	DFT-s-OFDM 256QAM	1	1	18.53	18.69	18.58	4.5
	BW [MHz]	MCS Index	Channel		517000	519000	521000
Frequency (MHz)			2585	2595	2605		
30M	DFT-s-OFDM QPSK	1	1	23.49	23.55	23.54	0
BW [MHz]	MCS Index	Channel		516500	519000	521500	3GPP MPR
		Frequency (MHz)		2582.5	2595	2607.5	
25M	DFT-s-OFDM QPSK	1	1	23.62	23.70	23.54	0
BW [MHz]	MCS Index	Channel		516000	519000	522000	3GPP MPR
		Frequency (MHz)		2580	2595	2610	

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20M	DFT-s-OFDM QPSK	1	1	23.35	23.41	23.31	0
BW [MHz]	MCS Index	Channel		515500	519000	522500	3GPP MPR
		Frequency (MHz)		2577.5	2595	2612.5	
15M	DFT-s-OFDM QPSK	1	1	23.57	23.78	23.65	0
BW [MHz]	MCS Index	Channel		515000	519000	523000	3GPP MPR
		Frequency (MHz)		2575	2595	2615	
10M	DFT-s-OFDM QPSK	1	1	23.62	23.83	23.76	0



BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		518000	519000	520000	
		Frequency (MHz)		2590	2595	2600	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	24.95	24.98	24.95	0
		1	53	24.80	24.71	24.77	0
		1	104	24.66	24.58	24.68	0
		50	0	24.43	24.40	24.42	0.5
		50	28	24.95	24.93	24.79	0
		50	56	24.29	24.26	24.21	0.5
		100	0	24.41	24.27	24.50	0.5
	DFT-s-OFDM QPSK	1	1	24.95	25.01	24.93	0
		1	53	24.76	24.57	24.67	0
		1	104	24.70	24.59	24.63	0
		50	0	23.91	23.87	23.88	1
		50	28	24.82	24.89	24.87	0
		50	56	23.70	23.72	23.81	1
		100	0	23.93	23.95	24.03	1
	DFT-s-OFDM 16QAM	1	1	23.91	23.72	23.92	1
	DFT-s-OFDM 64QAM	1	1	21.76	22.07	22.02	2.5
	DFT-s-OFDM 256QAM	1	1	19.91	19.99	19.84	4.5
	BW [MHz]	MCS Index	Channel		517000	519000	521000
Frequency (MHz)			2585	2595	2605		
30M	DFT-s-OFDM QPSK	1	1	24.98	24.94	24.92	0
BW [MHz]	MCS Index	Channel		516500	519000	521500	3GPP MPR
		Frequency (MHz)		2582.5	2595	2607.5	
25M	DFT-s-OFDM QPSK	1	1	24.70	24.79	24.78	0
BW [MHz]	MCS Index	Channel		516000	519000	522000	3GPP MPR
		Frequency (MHz)		2580	2595	2610	



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20M	DFT-s-OFDM QPSK	1	1	24.95	24.95	24.91	0
BW [MHz]	MCS Index	Channel		515500	519000	522500	3GPP MPR
		Frequency (MHz)		2577.5	2595	2612.5	
15M	DFT-s-OFDM QPSK	1	1	24.93	24.96	24.83	0
BW [MHz]	MCS Index	Channel		515000	519000	523000	3GPP MPR
		Frequency (MHz)		2575	2595	2615	
10M	DFT-s-OFDM QPSK	1	1	24.96	24.91	24.93	0



BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	
		Channel		518000	519000	520000		
		Frequency (MHz)		2590	2595	2600		
40M	DFT-s-OFDM Pi/2 BPSK	1	1	24.81	24.90	24.83	0	
		1	53	24.58	24.70	24.72	0	
		1	104	24.52	24.40	24.50	0	
		50	0	24.42	24.25	24.37	0.5	
		50	28	24.85	24.77	24.73	0	
		50	56	24.09	24.12	24.18	0.5	
		100	0	24.38	24.41	24.26	0.5	
	DFT-s-OFDM QPSK	1	1	24.91	24.97	24.95	0	
		1	53	24.73	24.58	24.57	0	
		1	104	24.62	24.50	24.48	0	
		50	0	23.82	23.79	23.86	1	
		50	28	24.85	24.88	24.80	0	
		50	56	23.80	23.45	23.70	1	
		100	0	23.87	23.91	23.78	1	
	DFT-s-OFDM 16QAM	1	1	23.64	23.98	23.88	1	
	DFT-s-OFDM 64QAM	1	1	22.10	21.89	22.07	2.5	
	DFT-s-OFDM 256QAM	1	1	19.92	20.02	19.99	4.5	
	BW [MHz]	MCS Index	Channel		517000	519000	521000	3GPP MPR
			Frequency (MHz)		2585	2595	2605	
30M	DFT-s-OFDM QPSK	1	1	24.54	24.62	24.66	0	
BW [MHz]	MCS Index	Channel		516500	519000	521500	3GPP MPR	
		Frequency (MHz)		2582.5	2595	2607.5		
25M	DFT-s-OFDM QPSK	1	1	24.75	24.84	24.71	0	
BW [MHz]	MCS Index	Channel		516000	519000	522000	3GPP MPR	
		Frequency (MHz)		2580	2595	2610		



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20M	DFT-s-OFDM QPSK	1	1	24.71	24.69	24.67	0
BW [MHz]	MCS Index	Channel		515500	519000	522500	3GPP MPR
		Frequency (MHz)		2577.5	2595	2612.5	
15M	DFT-s-OFDM QPSK	1	1	24.80	24.82	24.93	0
BW [MHz]	MCS Index	Channel		515000	519000	523000	3GPP MPR
		Frequency (MHz)		2575	2595	2615	
10M	DFT-s-OFDM QPSK	1	1	24.63	24.53	24.46	0



BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	
		Channel		518000	519000	520000		
		Frequency (MHz)		2590	2595	2600		
40M	DFT-s-OFDM Pi/2 BPSK	1	1	24.82	24.90	24.89	0	
		1	53	24.53	24.64	24.54	0	
		1	104	24.52	24.57	24.43	0	
		50	0	24.33	24.42	24.29	0.5	
		50	28	24.71	24.82	24.70	0	
		50	56	24.16	24.21	24.08	0.5	
		100	0	24.28	24.37	24.25	0.5	
	DFT-s-OFDM QPSK	1	1	25.15	24.91	25.05	0	
		1	53	24.59	24.55	24.52	0	
		1	104	24.38	24.49	24.36	0	
		50	0	23.84	23.85	23.73	1	
		50	28	24.85	24.79	24.73	0	
		50	56	23.55	23.69	23.64	1	
		100	0	23.92	23.89	23.91	1	
	DFT-s-OFDM 16QAM	1	1	23.83	23.96	23.87	1	
	DFT-s-OFDM 64QAM	1	1	21.86	22.01	21.94	2.5	
	DFT-s-OFDM 256QAM	1	1	19.85	19.88	19.74	4.5	
	BW [MHz]	MCS Index	Channel		517000	519000	521000	3GPP MPR
			Frequency (MHz)		2585	2595	2605	
30M	DFT-s-OFDM QPSK	1	1	25.13	24.92	25.03	0	
BW [MHz]	MCS Index	Channel		516500	519000	521500	3GPP MPR	
		Frequency (MHz)		2582.5	2595	2607.5		
25M	DFT-s-OFDM QPSK	1	1	24.74	24.83	24.80	0	
BW [MHz]	MCS Index	Channel		516000	519000	522000	3GPP MPR	
		Frequency (MHz)		2580	2595	2610		



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20M	DFT-s-OFDM QPSK	1	1	25.11	24.91	25.01	0
BW [MHz]	MCS Index	Channel		515500	519000	522500	3GPP MPR
		Frequency (MHz)		2577.5	2595	2612.5	
15M	DFT-s-OFDM QPSK	1	1	25.01	24.85	24.90	0
BW [MHz]	MCS Index	Channel		515000	519000	523000	3GPP MPR
		Frequency (MHz)		2575	2595	2615	
10M	DFT-s-OFDM QPSK	1	1	25.14	24.90	25.05	0



n41 (SCS 30 kHz)_Ant0

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	DFT-s-OFDM Pi/2 BPSK	1	1	23.60	23.68	23.70
		1	137	23.36	23.55	23.48
		1	271	23.41	23.51	23.33
		135	0	23.04	23.12	23.06
		135	69	23.39	23.59	23.47
		135	138	22.87	22.90	22.88
		270	0	22.97	23.03	22.99
	DFT-s-OFDM QPSK	1	1	23.92	23.78	23.59
		1	137	23.64	23.54	23.32
		1	271	23.29	23.36	23.24
		135	0	22.45	22.60	22.52
		135	69	23.61	23.56	23.53
		135	138	22.66	22.46	22.36
		270	0	22.53	22.50	22.50
	DFT-s-OFDM 16QAM	1	1	22.70	22.53	22.40
	DFT-s-OFDM 64QAM	1	1	20.88	20.95	20.84
	DFT-s-OFDM 256QAM	1	1	18.69	18.78	18.65
BW [MHz]	MCS Index	Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90M	DFT-s-OFDM QPSK	1	1	23.54	23.58	23.61
BW [MHz]	MCS Index	Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	DFT-s-OFDM QPSK	1	1	23.87	23.68	23.57
BW [MHz]	MCS Index	Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655
70M	DFT-s-OFDM QPSK	1	1	23.81	23.66	23.47
BW [MHz]	MCS Index	Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	DFT-s-OFDM QPSK	1	1	23.63	23.50	23.19
BW [MHz]	MCS Index	Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99



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50M	DFT-s-OFDM QPSK	1	1	23.57	23.55	23.51
BW [MHz]	MCS Index	Channel		503700	518598	533496
		Frequency (MHz)		2518.5	2592.99	2667.48
45M	DFT-s-OFDM QPSK	1	1	23.47	23.61	23.65
BW [MHz]	MCS Index	Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	DFT-s-OFDM QPSK	1	1	23.33	23.42	23.38
BW [MHz]	MCS Index	Channel		502704	518598	534498
		Frequency (MHz)		2513.52	2592.99	2672.49
35M	DFT-s-OFDM QPSK	1	1	23.38	23.36	23.20
BW [MHz]	MCS Index	Channel		502200	518598	534996
		Frequency (MHz)		2511	2592.99	2674.98
30M	DFT-s-OFDM QPSK	1	1	23.36	23.54	23.44
BW [MHz]	MCS Index	Channel		501702	518598	535500
		Frequency (MHz)		2508.51	2592.99	2677.5
25M	DFT-s-OFDM QPSK	1	1	23.29	23.55	23.33
BW [MHz]	MCS Index	Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	DFT-s-OFDM QPSK	1	1	23.80	23.75	23.53
BW [MHz]	MCS Index	Channel		500700	518598	536496
		Frequency (MHz)		2503.5	2592.99	2682.48
15M	DFT-s-OFDM QPSK	1	1	23.52	23.55	23.50
BW [MHz]	MCS Index	Channel		500202	518598	537000
		Frequency (MHz)		2501.01	2592.99	2685
10M	DFT-s-OFDM QPSK	1	1	23.60	23.43	23.29



BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	DFT-s-OFDM Pi/2 BPSK	1	1	25.02	24.74	24.62
		1	137	24.60	24.62	24.67
		1	271	24.58	24.73	24.41
		135	0	24.38	24.17	24.18
		135	69	24.68	24.65	24.63
		135	138	24.10	24.17	23.94
		270	0	24.28	24.06	24.02
	DFT-s-OFDM QPSK	1	1	25.05	24.75	24.71
		1	137	24.66	24.63	24.62
		1	271	24.75	24.72	24.44
		135	0	23.87	23.67	23.71
		135	69	24.91	24.71	24.62
		135	138	23.56	23.81	23.73
		270	0	23.87	23.83	23.57
	DFT-s-OFDM 16QAM	1	1	24.09	23.75	23.76
	DFT-s-OFDM 64QAM	1	1	22.18	21.82	21.85
	DFT-s-OFDM 256QAM	1	1	20.15	19.78	19.67
	BW [MHz]	MCS Index	Channel		508200	518598
Frequency (MHz)			2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	24.87	24.89	24.90
BW [MHz]	MCS Index	Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	DFT-s-OFDM QPSK	1	1	24.84	24.67	24.65
BW [MHz]	MCS Index	Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655
70M	DFT-s-OFDM QPSK	1	1	24.88	24.68	24.71
BW [MHz]	MCS Index	Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	DFT-s-OFDM QPSK	1	1	24.96	24.85	24.61
BW [MHz]	MCS Index	Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	DFT-s-OFDM QPSK	1	1	24.95	24.86	24.72

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BW [MHz]	MCS Index	Channel		503700	518598	533496
		Frequency (MHz)		2518.5	2592.99	2667.48
45M	DFT-s-OFDM QPSK	1	1	24.90	24.61	24.59
BW [MHz]	MCS Index	Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	DFT-s-OFDM QPSK	1	1	24.80	24.67	24.69
BW [MHz]	MCS Index	Channel		502704	518598	534498
		Frequency (MHz)		2513.52	2592.99	2672.49
35M	DFT-s-OFDM QPSK	1	1	24.61	24.58	24.40
BW [MHz]	MCS Index	Channel		502200	518598	534996
		Frequency (MHz)		2511	2592.99	2674.98
30M	DFT-s-OFDM QPSK	1	1	24.83	24.73	24.78
BW [MHz]	MCS Index	Channel		501702	518598	535500
		Frequency (MHz)		2508.51	2592.99	2677.5
25M	DFT-s-OFDM QPSK	1	1	24.94	24.68	24.58
BW [MHz]	MCS Index	Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	DFT-s-OFDM QPSK	1	1	24.86	24.69	24.74
BW [MHz]	MCS Index	Channel		500700	518598	536496
		Frequency (MHz)		2503.5	2592.99	2682.48
15M	DFT-s-OFDM QPSK	1	1	24.86	24.62	24.51
BW [MHz]	MCS Index	Channel		500202	518598	537000
		Frequency (MHz)		2501.01	2592.99	2685
10M	DFT-s-OFDM QPSK	1	1	24.88	24.80	24.76



BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	DFT-s-OFDM Pi/2 BPSK	1	1	25.28	25.20	25.03
		1	137	24.94	24.97	24.71
		1	271	24.83	24.71	24.63
		135	0	24.22	24.06	24.33
		135	69	25.18	25.10	24.65
		135	138	23.88	23.85	23.87
		270	0	24.32	24.03	24.03
	DFT-s-OFDM QPSK	1	1	25.30	25.35	25.05
		1	137	24.98	25.03	24.53
		1	271	24.92	24.90	24.72
		135	0	24.32	24.20	23.88
		135	69	25.13	25.16	24.66
		135	138	24.06	23.98	23.44
		270	0	24.13	24.17	23.61
	DFT-s-OFDM 16QAM	1	1	24.26	24.44	23.94
	DFT-s-OFDM 64QAM	1	1	22.37	22.62	22.42
	DFT-s-OFDM 256QAM	1	1	20.33	20.40	20.15
	BW [MHz]	MCS Index	Channel		508200	518598
Frequency (MHz)			2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	25.03	25.32	24.96
BW [MHz]	MCS Index	Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	DFT-s-OFDM QPSK	1	1	25.09	25.25	24.93
BW [MHz]	MCS Index	Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655
70M	DFT-s-OFDM QPSK	1	1	24.98	25.23	24.89
BW [MHz]	MCS Index	Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	DFT-s-OFDM QPSK	1	1	24.89	25.27	24.78
BW [MHz]	MCS Index	Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	DFT-s-OFDM QPSK	1	1	24.96	25.30	24.83

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BW [MHz]	MCS Index	Channel		503700	518598	533496
		Frequency (MHz)		2518.5	2592.99	2667.48
45M	DFT-s-OFDM QPSK	1	1	24.88	24.85	24.61
BW [MHz]	MCS Index	Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	DFT-s-OFDM QPSK	1	1	25.03	25.22	24.98
BW [MHz]	MCS Index	Channel		502704	518598	534498
		Frequency (MHz)		2513.52	2592.99	2672.49
35M	DFT-s-OFDM QPSK	1	1	25.08	24.96	24.63
BW [MHz]	MCS Index	Channel		502200	518598	534996
		Frequency (MHz)		2511	2592.99	2674.98
30M	DFT-s-OFDM QPSK	1	1	25.11	25.20	24.97
BW [MHz]	MCS Index	Channel		501702	518598	535500
		Frequency (MHz)		2508.51	2592.99	2677.5
25M	DFT-s-OFDM QPSK	1	1	25.02	25.11	24.62
BW [MHz]	MCS Index	Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	DFT-s-OFDM QPSK	1	1	24.88	25.21	24.83
BW [MHz]	MCS Index	Channel		500700	518598	536496
		Frequency (MHz)		2503.5	2592.99	2682.48
15M	DFT-s-OFDM QPSK	1	1	25.26	25.17	25.01
BW [MHz]	MCS Index	Channel		500202	518598	537000
		Frequency (MHz)		2501.01	2592.99	2685
10M	DFT-s-OFDM QPSK	1	1	24.96	25.16	24.79



n41 (SCS 30 kHz)_Ant4

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	DFT-s-OFDM Pi/2 BPSK	1	1	25.17	25.07	24.88
		1	137	24.96	24.93	24.66
		1	271	24.92	24.86	24.44
		135	0	24.78	24.52	24.35
		135	69	25.19	25.08	24.75
		135	138	24.35	24.47	24.11
		270	0	24.41	24.57	24.24
	DFT-s-OFDM QPSK	1	1	25.23	25.01	24.86
		1	137	24.79	24.81	24.77
		1	271	24.91	24.87	24.41
		135	0	24.13	23.96	23.89
		135	69	25.12	24.96	24.83
		135	138	23.82	23.83	23.62
		270	0	24.06	23.97	23.83
	DFT-s-OFDM 16QAM	1	1	24.14	24.06	23.89
	DFT-s-OFDM 64QAM	1	1	22.54	22.19	22.17
	DFT-s-OFDM 256QAM	1	1	20.28	20.12	20.01
	BW [MHz]	MCS Index	Channel		508200	518598
Frequency (MHz)			2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	25.12	24.96	25.01
BW [MHz]	MCS Index	Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	DFT-s-OFDM QPSK	1	1	25.21	24.96	25.03
BW [MHz]	MCS Index	Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655
70M	DFT-s-OFDM QPSK	1	1	25.13	24.96	24.87
BW [MHz]	MCS Index	Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	DFT-s-OFDM QPSK	1	1	25.03	24.86	24.76
BW [MHz]	MCS Index	Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	DFT-s-OFDM QPSK	1	1	25.15	24.95	24.83

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BW [MHz]	MCS Index	Channel		503700	518598	533496
		Frequency (MHz)		2518.5	2592.99	2667.48
45M	DFT-s-OFDM QPSK	1	1	25.07	24.95	24.84
BW [MHz]	MCS Index	Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	DFT-s-OFDM QPSK	1	1	25.06	24.75	24.84
BW [MHz]	MCS Index	Channel		502704	518598	534498
		Frequency (MHz)		2513.52	2592.99	2672.49
35M	DFT-s-OFDM QPSK	1	1	25.17	24.93	24.68
BW [MHz]	MCS Index	Channel		502200	518598	534996
		Frequency (MHz)		2511	2592.99	2674.98
30M	DFT-s-OFDM QPSK	1	1	25.09	24.82	24.79
BW [MHz]	MCS Index	Channel		501702	518598	535500
		Frequency (MHz)		2508.51	2592.99	2677.5
25M	DFT-s-OFDM QPSK	1	1	25.15	25.03	24.74
BW [MHz]	MCS Index	Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	DFT-s-OFDM QPSK	1	1	25.19	24.92	24.97
BW [MHz]	MCS Index	Channel		500700	518598	536496
		Frequency (MHz)		2503.5	2592.99	2682.48
15M	DFT-s-OFDM QPSK	1	1	25.08	24.82	24.72
BW [MHz]	MCS Index	Channel		500202	518598	537000
		Frequency (MHz)		2501.01	2592.99	2685
10M	DFT-s-OFDM QPSK	1	1	25.18	25.01	24.69



BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		346500	349000	351500
		Frequency (MHz)		1732.5	1745	1757.5
45M	DFT-s-OFDM Pi/2 BPSK	1	1	23.11	23.13	23.19
		1	121	22.93	22.98	23.08
		1	240	23.01	22.96	23.06
		120	0	22.45	22.47	22.57
		120	61	22.94	23.02	23.09
		120	122	22.28	22.23	22.33
		240	0	22.62	22.65	22.68
	DFT-s-OFDM QPSK	1	1	23.15	23.20	23.25
		1	121	23.00	23.02	23.10
		1	240	23.02	23.01	23.15
		120	0	22.16	22.11	22.20
		120	61	23.14	23.07	23.17
		120	122	21.80	21.76	21.86
		240	0	22.24	22.18	22.32
	DFT-s-OFDM 16QAM	1	1	22.33	22.35	22.38
	DFT-s-OFDM 64QAM	1	1	20.17	20.15	20.23
	DFT-s-OFDM 256QAM	1	1	18.68	18.72	18.77
	BW [MHz]	MCS Index	Channel		346000	349000
Frequency (MHz)			1730	1745	1760	
40M	DFT-s-OFDM QPSK	1	1	23.13	22.99	23.12
BW [MHz]	MCS Index	Channel		345500	349000	352500
		Frequency (MHz)		1727.5	1745	1762.5
35M	DFT-s-OFDM QPSK	1	1	23.08	23.10	23.11
BW [MHz]	MCS Index	Channel		345000	349000	353000
		Frequency (MHz)		1725	1745	1765
30M	DFT-s-OFDM QPSK	1	1	22.89	22.97	23.13
BW [MHz]	MCS Index	Channel		344500	349000	353500
		Frequency (MHz)		1722.5	1745	1767.5
25M	DFT-s-OFDM QPSK	1	1	23.06	23.01	23.15
BW [MHz]	MCS Index	Channel		344000	349000	354000
		Frequency (MHz)		1720	1745	1770
20M	DFT-s-OFDM QPSK	1	1	23.11	23.09	23.19

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BW [MHz]	MCS Index	Channel		343500	349000	354500
		Frequency (MHz)		1717.5	1745	1772.5
15M	DFT-s-OFDM QPSK	1	1	23.16	23.09	23.11
BW [MHz]	MCS Index	Channel		343000	349000	355000
		Frequency (MHz)		1715	1745	1775
10M	DFT-s-OFDM QPSK	1	1	22.96	23.02	23.19
BW [MHz]	MCS Index	Channel		342500	349000	355500
		Frequency (MHz)		1712.5	1745	1777.5
5M	DFT-s-OFDM QPSK	1	1	22.83	22.86	22.99



n66 (SCS 15 kHz)_Ant2

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		346500	349000	351500
		Frequency (MHz)		1732.5	1745	1757.5
45M	DFT-s-OFDM Pi/2 BPSK	1	1	24.02	24.17	24.05
		1	121	24.04	24.16	24.10
		1	240	24.02	24.11	23.98
		120	0	23.61	23.72	23.59
		120	61	24.04	24.15	24.13
		120	122	23.52	23.61	23.50
		240	0	23.67	23.75	23.72
	DFT-s-OFDM QPSK	1	1	24.28	24.25	24.21
		1	121	24.17	24.16	24.02
		1	240	24.03	24.15	24.03
		120	0	23.18	23.16	23.09
		120	61	24.23	24.22	24.12
		120	122	23.12	23.10	22.97
		240	0	23.49	23.47	23.34
	DFT-s-OFDM 16QAM	1	1	23.28	23.36	23.27
	DFT-s-OFDM 64QAM	1	1	21.20	21.22	21.10
DFT-s-OFDM 256QAM	1	1	19.76	19.85	19.77	
BW [MHz]	MCS Index	Channel		346000	349000	352000
		Frequency (MHz)		1730	1745	1760
40M	DFT-s-OFDM QPSK	1	1	24.25	24.19	24.16
BW [MHz]	MCS Index	Channel		345500	349000	352500
		Frequency (MHz)		1727.5	1745	1762.5
35M	DFT-s-OFDM QPSK	1	1	24.22	24.16	24.21
BW [MHz]	MCS Index	Channel		20.7	349000	20.72
		Frequency (MHz)		20.75	1745	20.71
30M	DFT-s-OFDM QPSK	1	1	24.20	24.03	24.01
BW [MHz]	MCS Index	Channel		20.66	349000	20.72
		Frequency (MHz)		1722.5	1745	1767.5
25M	DFT-s-OFDM QPSK	1	1	24.16	24.09	24.06
BW [MHz]	MCS Index	Channel		344000	349000	354000
		Frequency (MHz)		1720	1745	1770
20M	DFT-s-OFDM QPSK	1	1	24.13	23.99	24.03

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BW [MHz]	MCS Index	Channel		343500	349000	354500
		Frequency (MHz)		1717.5	1745	1772.5
15M	DFT-s-OFDM QPSK	1	1	24.19	24.13	24.16
BW [MHz]	MCS Index	Channel		343000	349000	355000
		Frequency (MHz)		1715	1745	1775
10M	DFT-s-OFDM QPSK	1	1	24.09	24.13	24.18
BW [MHz]	MCS Index	Channel		342500	349000	355500
		Frequency (MHz)		1712.5	1745	1777.5
5M	DFT-s-OFDM QPSK	1	1	24.23	24.19	24.25



BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		346500	349000	351500
		Frequency (MHz)		1732.5	1745	1757.5
45M	DFT-s-OFDM Pi/2 BPSK	1	1	24.27	24.21	24.21
		1	121	24.13	24.01	23.98
		1	240	24.22	24.15	24.13
		120	0	23.81	23.73	23.67
		120	61	24.18	24.14	24.15
		120	122	23.43	23.39	23.34
		240	0	23.71	23.61	23.60
	DFT-s-OFDM QPSK	1	1	24.34	24.38	24.32
		1	121	24.23	24.17	24.21
		1	240	24.31	24.34	24.22
		120	0	23.20	23.13	23.10
		120	61	24.26	24.29	24.25
		120	122	23.03	22.86	22.98
		240	0	23.35	23.39	23.24
	DFT-s-OFDM 16QAM	1	1	23.44	23.37	23.30
	DFT-s-OFDM 64QAM	1	1	21.30	21.17	21.19
	DFT-s-OFDM 256QAM	1	1	19.92	19.77	19.80
	BW [MHz]	MCS Index	Channel		346000	349000
Frequency (MHz)			1730	1745	1760	
40M	DFT-s-OFDM QPSK	1	1	24.26	24.31	24.28
BW [MHz]	MCS Index	Channel		345500	349000	352500
		Frequency (MHz)		1727.5	1745	1762.5
35M	DFT-s-OFDM QPSK	1	1	24.29	24.37	24.21
BW [MHz]	MCS Index	Channel		345000	349000	353000
		Frequency (MHz)		1725	1745	1765
30M	DFT-s-OFDM QPSK	1	1	24.21	24.32	24.22
BW [MHz]	MCS Index	Channel		344500	349000	353500
		Frequency (MHz)		1722.5	1745	1767.5
25M	DFT-s-OFDM QPSK	1	1	24.26	24.33	24.27
BW [MHz]	MCS Index	Channel		344000	349000	354000
		Frequency (MHz)		1720	1745	1770
20M	DFT-s-OFDM QPSK	1	1	24.28	24.29	24.18

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BW [MHz]	MCS Index	Channel		343500	349000	354500
		Frequency (MHz)		1717.5	1745	1772.5
15M	DFT-s-OFDM QPSK	1	1	24.29	24.28	24.16
BW [MHz]	MCS Index	Channel		343000	349000	355000
		Frequency (MHz)		1715	1745	1775
10M	DFT-s-OFDM QPSK	1	1	24.21	24.30	24.29
BW [MHz]	MCS Index	Channel		342500	349000	355500
		Frequency (MHz)		1712.5	1745	1777.5
5M	DFT-s-OFDM QPSK	1	1	24.19	24.31	24.30



n66 (SCS 15 kHz)_Ant4

BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		346500	349000	351500
		Frequency (MHz)		1732.5	1745	1757.5
45M	DFT-s-OFDM Pi/2 BPSK	1	1	23.56	23.68	23.70
		1	121	23.58	23.68	23.70
		1	240	23.56	23.53	23.68
		120	0	23.13	23.09	23.20
		120	61	23.65	23.64	23.68
		120	122	23.07	23.11	23.18
		240	0	23.05	23.06	23.14
	DFT-s-OFDM QPSK	1	1	23.71	23.83	23.72
		1	121	23.61	23.57	23.52
		1	240	23.56	23.72	23.69
		120	0	22.59	22.66	22.68
		120	61	23.64	23.65	23.62
		120	122	22.57	22.65	22.55
		240	0	22.63	22.76	22.74
	DFT-s-OFDM 16QAM	1	1	22.84	22.82	22.88
	DFT-s-OFDM 64QAM	1	1	21.03	21.11	21.26
	DFT-s-OFDM 256QAM	1	1	19.17	19.27	19.32
	BW [MHz]	MCS Index	Channel		346000	349000
Frequency (MHz)			1730	1745	1760	
40M	DFT-s-OFDM QPSK	1	1	23.68	23.75	23.68
BW [MHz]	MCS Index	Channel		345500	349000	352500
		Frequency (MHz)		1727.5	1745	1762.5
35M	DFT-s-OFDM QPSK	1	1	23.61	23.76	23.58
BW [MHz]	MCS Index	Channel		345000	349000	353000
		Frequency (MHz)		1725	1745	1765
30M	DFT-s-OFDM QPSK	1	1	23.69	23.80	23.65
BW [MHz]	MCS Index	Channel		344500	349000	353500
		Frequency (MHz)		1722.5	1745	1767.5
25M	DFT-s-OFDM QPSK	1	1	23.68	23.81	23.56
BW [MHz]	MCS Index	Channel		344000	349000	354000
		Frequency (MHz)		1720	1745	1770
20M	DFT-s-OFDM QPSK	1	1	23.75	23.79	23.55

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BW [MHz]	MCS Index	Channel		343500	349000	354500
		Frequency (MHz)		1717.5	1745	1772.5
15M	DFT-s-OFDM QPSK	1	1	23.70	23.77	23.69
BW [MHz]	MCS Index	Channel		343000	349000	355000
		Frequency (MHz)		1715	1745	1775
10M	DFT-s-OFDM QPSK	1	1	23.65	23.70	23.62
BW [MHz]	MCS Index	Channel		342500	349000	355500
		Frequency (MHz)		1712.5	1745	1777.5
5M	DFT-s-OFDM QPSK	1	1	23.72	23.81	23.72



n77 (SCS 30 kHz)_Ant1

BW [MHz]	MCS Index	RB Size	RB Offset		Mid	
		Channel			633334	
		Frequency (MHz)			3500.01	
100M	DFT-s-OFDM Pi/2 BPSK	1	1		23.56	
		1	137		23.44	
		1	271		23.52	
		135	0		23.46	
		135	69		23.53	
		135	138		23.55	
		270	0		23.50	
	DFT-s-OFDM QPSK	1	1		23.59	
		1	137		23.38	
		1	271		23.56	
		135	0		23.44	
		135	69		23.55	
		135	138		23.52	
		270	0		23.46	
	DFT-s-OFDM 16QAM	1	1		23.28	
	DFT-s-OFDM 64QAM	1	1		23.18	
DFT-s-OFDM 256QAM	1	1		21.54		
BW [MHz]	MCS Index	Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
90M	DFT-s-OFDM QPSK	1	1	23.43	23.44	23.46
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	23.41	23.47	23.38
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	23.52	23.45	23.53
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	23.41	23.38	23.51
BW [MHz]	MCS Index	Channel		631668	24.28	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	23.49	23.40	23.33

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	23.32	23.43	23.34
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	23.49	23.45	23.51
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	23.53	23.47	23.51
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	23.42	23.46	23.41
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	23.38	23.40	23.35
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	23.44	23.38	23.42



BW [MHz]	MCS Index	RB Size	RB Offset	Mid	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-s-OFDM Pi/2 BPSK	1	1	23.10	23.38	23.46
		1	137	23.12	23.36	23.24
		1	271	23.18	23.56	23.35
		135	0	23.14	23.45	23.30
		135	69	23.18	23.44	23.44
		135	138	23.07	23.46	23.43
		270	0	23.07	23.33	23.44
	DFT-s-OFDM QPSK	1	1	23.14	23.57	23.46
		1	137	23.08	23.38	23.44
		1	271	23.10	23.35	23.42
		135	0	23.03	23.32	23.41
		135	69	23.12	23.55	23.49
		135	138	23.09	23.49	23.46
		270	0	23.13	23.50	23.42
	DFT-s-OFDM 16QAM	1	1	23.29	23.22	23.26
	DFT-s-OFDM 64QAM	1	1	22.85	23.07	23.02
	DFT-s-OFDM 256QAM	1	1	21.28	21.44	21.54
BW [MHz]	MCS Index	Channel		649668	656000	662332
		Frequency (MHz)		3745.02	3840	3934.98
90M	DFT-s-OFDM QPSK	1	1	23.17	23.53	23.34
BW [MHz]	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-s-OFDM QPSK	1	1	23.06	23.34	23.38
BW [MHz]	MCS Index	Channel		649000	656000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-s-OFDM QPSK	1	1	23.11	23.41	23.19
BW [MHz]	MCS Index	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-s-OFDM QPSK	1	1	23.09	23.38	23.33
BW [MHz]	MCS Index	Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-s-OFDM QPSK	1	1	23.21	23.11	23.16

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BW [MHz]	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-s-OFDM QPSK	1	1	23.13	23.50	23.34
BW [MHz]	MCS Index	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-s-OFDM QPSK	1	1	23.10	23.38	23.37
BW [MHz]	MCS Index	Channel		647500	656000	664500
		Frequency (MHz)		3712.5	3840	3967.5
25M	DFT-s-OFDM QPSK	1	1	23.17	23.19	23.13
BW [MHz]	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-s-OFDM QPSK	1	1	23.23	23.12	23.15
BW [MHz]	MCS Index	Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-s-OFDM QPSK	1	1	23.12	23.50	23.39
BW [MHz]	MCS Index	Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-s-OFDM QPSK	1	1	23.15	23.12	23.22



BW [MHz]	MCS Index	RB Size	RB Offset		Mid	
		Channel			633334	
		Frequency (MHz)			3500.01	
100M	DFT-s-OFDM Pi/2 BPSK	1	1		25.41	
		1	137		25.27	
		1	271		25.28	
		135	0		25.41	
		135	69		25.20	
		135	138		25.29	
		270	0		25.42	
	DFT-s-OFDM QPSK	1	1		25.47	
		1	137		25.16	
		1	271		25.24	
		135	0		25.27	
		135	69		25.29	
		135	138		25.21	
		270	0		25.23	
	DFT-s-OFDM 16QAM	1	1		25.32	
	DFT-s-OFDM 64QAM	1	1		25.10	
DFT-s-OFDM 256QAM	1	1		23.57		
BW [MHz]	MCS Index	Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
90M	DFT-s-OFDM QPSK	1	1	25.26	25.23	25.23
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	25.23	25.25	25.19
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	25.32	25.14	25.20
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	25.31	25.23	25.26
BW [MHz]	MCS Index	Channel		631668	24.28	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	25.24	25.18	25.27

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	25.29	25.36	25.23
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	25.23	25.20	25.17
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	25.15	25.40	25.17
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	25.18	25.14	25.20
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	25.20	25.27	25.18
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	25.26	25.31	25.37



BW [MHz]	MCS Index	RB Size	RB Offset	Mid	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-s-OFDM Pi/2 BPSK	1	1	25.03	25.28	25.25
		1	137	24.86	25.12	25.22
		1	271	24.87	25.12	25.22
		135	0	24.90	25.31	25.34
		135	69	24.81	25.04	25.13
		135	138	24.81	25.10	25.17
		270	0	24.90	25.13	25.32
	DFT-s-OFDM QPSK	1	1	24.99	25.30	25.37
		1	137	24.93	25.02	25.04
		1	271	24.91	24.94	25.19
		135	0	25.00	25.15	25.25
		135	69	25.06	25.21	25.29
		135	138	24.96	25.18	25.18
		270	0	24.96	25.07	25.16
	DFT-s-OFDM 16QAM	1	1	25.00	25.10	25.24
DFT-s-OFDM 64QAM	1	1	24.82	24.87	25.08	
DFT-s-OFDM 256QAM	1	1	23.16	23.38	23.39	
BW [MHz]	MCS Index	Channel		649668	656000	662332
		Frequency (MHz)		3745.02	3840	3934.98
90M	DFT-s-OFDM QPSK	1	1	24.76	25.17	25.32
BW [MHz]	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-s-OFDM QPSK	1	1	24.86	24.98	25.24
BW [MHz]	MCS Index	Channel		649000	656000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-s-OFDM QPSK	1	1	24.98	25.07	25.21
BW [MHz]	MCS Index	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-s-OFDM QPSK	1	1	25.05	25.15	25.20
BW [MHz]	MCS Index	Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-s-OFDM QPSK	1	1	24.91	25.02	25.22

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BW [MHz]	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-s-OFDM QPSK	1	1	24.73	24.78	25.07
BW [MHz]	MCS Index	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-s-OFDM QPSK	1	1	24.80	25.06	25.08
BW [MHz]	MCS Index	Channel		647500	656000	664500
		Frequency (MHz)		3712.5	3840	3967.5
25M	DFT-s-OFDM QPSK	1	1	24.85	25.18	25.36
BW [MHz]	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-s-OFDM QPSK	1	1	24.94	25.14	25.27
BW [MHz]	MCS Index	Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-s-OFDM QPSK	1	1	24.99	25.08	25.17
BW [MHz]	MCS Index	Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-s-OFDM QPSK	1	1	24.92	25.14	25.23



n77 (SCS 30 kHz)_Ant3

	MCS Index	RB Size	RB Offset			
		Channel		633334		
		Frequency (MHz)		3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		25.14	
		1	137		25.10	
		1	271		25.08	
		135	0		25.10	
		135	69		25.09	
		135	138		25.03	
		270	0		25.20	
	DFT-s-OFDM QPSK	1	1		25.23	
		1	137		25.02	
		1	271		24.91	
		135	0		25.15	
		135	69		25.18	
		135	138		25.14	
		270	0		25.10	
	DFT-s-OFDM 16QAM	1	1		25.03	
	DFT-s-OFDM 64QAM	1	1		24.67	
	DFT-s-OFDM 256QAM	1	1		23.09	
	BW [MHz]	MCS Index	Channel		633000	633334
Frequency (MHz)			3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	25.18	25.17	25.07
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	25.17	25.05	25.10
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	25.21	25.17	25.18
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	25.15	25.05	25.08
BW [MHz]	MCS Index	Channel		631668	24.28	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	25.07	25.03	25.12

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	25.15	25.10	25.05
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	25.07	25.22	25.18
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	25.22	25.04	25.06
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	25.19	25.20	25.17
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	25.12	25.21	25.14
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	25.01	25.12	25.07



BW [MHz]	MCS Index	RB Size	RB Offset	Mid	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-s-OFDM Pi/2 BPSK	1	1	25.04	24.92	24.57
		1	137	25.04	24.82	24.61
		1	271	24.97	24.71	24.59
		135	0	24.91	24.80	24.58
		135	69	24.93	24.83	24.45
		135	138	24.91	24.76	24.53
		270	0	25.00	24.83	24.57
	DFT-s-OFDM QPSK	1	1	25.14	24.85	24.60
		1	137	24.85	24.75	24.54
		1	271	24.73	24.81	24.56
		135	0	25.10	24.79	24.56
		135	69	25.13	24.84	24.63
		135	138	24.95	24.80	24.51
		270	0	24.97	24.89	24.55
	DFT-s-OFDM 16QAM	1	1	24.84	24.78	24.57
	DFT-s-OFDM 64QAM	1	1	24.49	24.57	24.32
	DFT-s-OFDM 256QAM	1	1	23.01	23.04	22.81
	BW [MHz]	MCS Index	Channel		649668	656000
Frequency (MHz)			3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	25.03	24.69	24.51
BW [MHz]	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-s-OFDM QPSK	1	1	24.90	24.82	24.54
BW [MHz]	MCS Index	Channel		649000	656000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-s-OFDM QPSK	1	1	25.09	24.82	24.57
BW [MHz]	MCS Index	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-s-OFDM QPSK	1	1	25.01	24.75	24.53
BW [MHz]	MCS Index	Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-s-OFDM QPSK	1	1	24.48	24.50	24.17

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BW [MHz]	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-s-OFDM QPSK	1	1	25.02	24.74	24.47
BW [MHz]	MCS Index	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-s-OFDM QPSK	1	1	24.75	24.62	24.48
BW [MHz]	MCS Index	Channel		647500	656000	664500
		Frequency (MHz)		3712.5	3840	3967.5
25M	DFT-s-OFDM QPSK	1	1	25.05	24.77	24.53
BW [MHz]	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-s-OFDM QPSK	1	1	24.90	24.81	24.59
BW [MHz]	MCS Index	Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-s-OFDM QPSK	1	1	24.84	24.78	24.50
BW [MHz]	MCS Index	Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-s-OFDM QPSK	1	1	24.95	24.81	24.65



n77 (SCS 30 kHz)_Ant7

BW [MHz]	MCS Index	RB Size	RB Offset			
		Channel		633334		
		Frequency (MHz)		3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		23.36	
		1	137		23.22	
		1	271		23.35	
		135	0		23.24	
		135	69		23.19	
		135	138		23.36	
		270	0		23.35	
	DFT-s-OFDM QPSK	1	1		23.38	
		1	137		23.26	
		1	271		23.30	
		135	0		23.27	
		135	69		23.33	
		135	138		23.25	
		270	0		23.32	
	DFT-s-OFDM 16QAM	1	1		23.23	
	DFT-s-OFDM 64QAM	1	1		22.94	
	DFT-s-OFDM 256QAM	1	1		21.36	
	BW [MHz]	MCS Index	Channel		633000	633334
Frequency (MHz)			3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	23.12	23.04	23.01
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	22.94	23.15	23.01
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	22.95	22.98	22.96
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	23.17	23.01	23.16
BW [MHz]	MCS Index	Channel		631668	24.28	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	23.03	22.99	23.11

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	23.04	22.98	23.01
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	23.18	23.01	23.02
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	23.08	22.99	23.01
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	23.16	22.95	23.04
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	23.11	23.02	23.12
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	23.12	23.01	23.18



n77 (SCS 30 kHz)_Ant7

BW [MHz]	MCS Index	RB Size	RB Offset	Mid	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-s-OFDM Pi/2 BPSK	1	1	23.32	23.20	23.16
		1	137	23.27	23.26	23.14
		1	271	23.25	23.23	23.18
		135	0	23.28	23.29	23.24
		135	69	23.30	23.27	23.28
		135	138	23.31	23.25	23.12
		270	0	23.29	23.19	23.29
	DFT-s-OFDM QPSK	1	1	23.34	23.39	23.30
		1	137	23.28	23.26	23.12
		1	271	23.30	23.26	23.02
		135	0	23.26	23.26	23.13
		135	69	23.32	23.37	23.29
		135	138	23.24	23.30	23.25
		270	0	23.27	23.32	23.29
	DFT-s-OFDM 16QAM	1	1	23.21	23.36	23.07
	DFT-s-OFDM 64QAM	1	1	23.03	22.96	22.88
	DFT-s-OFDM 256QAM	1	1	21.38	21.24	21.13
	BW [MHz]	MCS Index	Channel		649668	656000
Frequency (MHz)			3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	23.25	23.23	23.18
BW [MHz]	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-s-OFDM QPSK	1	1	23.25	23.24	23.14
BW [MHz]	MCS Index	Channel		649000	656000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-s-OFDM QPSK	1	1	23.23	23.26	23.28
BW [MHz]	MCS Index	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-s-OFDM QPSK	1	1	23.33	23.37	23.23
BW [MHz]	MCS Index	Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-s-OFDM QPSK	1	1	23.25	23.34	23.11

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BW [MHz]	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-s-OFDM QPSK	1	1	23.28	23.31	23.23
BW [MHz]	MCS Index	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-s-OFDM QPSK	1	1	23.20	23.33	23.16
BW [MHz]	MCS Index	Channel		647500	656000	664500
		Frequency (MHz)		3712.5	3840	3967.5
25M	DFT-s-OFDM QPSK	1	1	23.27	23.30	23.12
BW [MHz]	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-s-OFDM QPSK	1	1	23.18	23.31	23.22
BW [MHz]	MCS Index	Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-s-OFDM QPSK	1	1	23.33	23.28	23.21
BW [MHz]	MCS Index	Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-s-OFDM QPSK	1	1	23.27	23.20	23.09



n78 (SCS 30 kHz)_Ant1

BW [MHz]	MCS Index	RB Size	RB Offset			
		Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
100M	DFT-s-OFDM Pi/2 BPSK	1	1		23.59	
		1	137		23.32	
		1	271		23.56	
		135	0		23.63	
		135	69		23.44	
		135	138		23.54	
		270	0		23.49	
	DFT-s-OFDM QPSK	1	1		23.85	
		1	137		23.51	
		1	271		23.46	
		135	0		23.60	
		135	69		23.71	
		135	138		23.59	
		270	0		23.52	
	DFT-s-OFDM 16QAM	1	1		23.47	
	DFT-s-OFDM 64QAM	1	1		23.30	
	DFT-s-OFDM 256QAM	1	1		21.58	
	90M	DFT-s-OFDM QPSK	1	1	23.66	23.69
80M	DFT-s-OFDM QPSK	1	1	23.59	23.65	23.67
70M	DFT-s-OFDM QPSK	1	1	23.62	23.57	23.56
60M	DFT-s-OFDM QPSK	1	1	23.73	23.62	23.70
50M	DFT-s-OFDM QPSK	1	1	23.73	23.77	23.67

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	23.69	23.79	23.63
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	23.56	23.61	23.70
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	23.74	23.65	23.69
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	23.61	23.63	23.73
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	23.70	23.68	23.74
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	23.57	23.63	23.59



n78 (SCS 30 kHz)_Ant2

BW [MHz]	MCS Index	RB Size	RB Offset			
		Channel		633334		
		Frequency (MHz)		3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		25.49	
		1	137		25.45	
		1	271		25.32	
		135	0		25.25	
		135	69		25.30	
		135	138		25.35	
		270	0		25.33	
	DFT-s-OFDM QPSK	1	1		25.52	
		1	137		25.40	
		1	271		25.48	
		135	0		25.23	
		135	69		25.25	
		135	138		25.16	
		270	0		25.28	
	DFT-s-OFDM 16QAM	1	1		25.40	
	DFT-s-OFDM 64QAM	1	1		24.97	
	DFT-s-OFDM 256QAM	1	1		23.50	
	BW [MHz]	MCS Index	Channel		633000	633334
Frequency (MHz)			3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	25.32	25.41	25.34
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	25.21	25.49	25.39
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	25.27	25.29	25.24
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	25.24	25.43	25.33
BW [MHz]	MCS Index	Channel		631668	633334	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	25.15	25.39	25.31

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	25.46	25.23	25.21
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	25.32	25.28	24.85
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	25.22	25.18	25.17
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	25.34	25.45	25.12
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	25.26	25.23	25.39
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	25.23	25.31	25.42



n78 (SCS 30 kHz)_Ant3

BW [MHz]	MCS Index	RB Size	RB Offset			
		Channel		633334		
		Frequency (MHz)		3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		25.47	
		1	137		25.40	
		1	271		25.35	
		135	0		25.37	
		135	69		25.13	
		135	138		25.31	
		270	0		25.38	
	DFT-s-OFDM QPSK	1	1		25.58	
		1	137		25.39	
		1	271		25.30	
		135	0		25.37	
		135	69		25.41	
		135	138		25.35	
		270	0		25.45	
	DFT-s-OFDM 16QAM	1	1		25.41	
	DFT-s-OFDM 64QAM	1	1		25.08	
	DFT-s-OFDM 256QAM	1	1		23.42	
	BW [MHz]	MCS Index	Channel		633000	633334
Frequency (MHz)			3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	25.25	25.39	25.33
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	25.06	25.42	25.13
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	25.22	25.17	25.36
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	25.18	25.37	25.32
BW [MHz]	MCS Index	Channel		631668	633334	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	25.10	25.19	25.02

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	25.08	25.26	25.19
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	25.13	25.21	25.16
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	25.12	25.41	25.19
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	25.33	25.40	25.17
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	25.27	25.26	24.73
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	25.13	25.05	25.15



BW [MHz]	MCS Index	RB Size	RB Offset		Mid		
		Channel			633000	633334	633666
		Frequency (MHz)			3495	3500.01	3504.99
100M	DFT-s-OFDM Pi/2 BPSK	1	1		23.44		
		1	137		23.43		
		1	271		23.26		
		135	0		23.42		
		135	69		23.32		
		135	138		23.42		
		270	0		23.31		
	DFT-s-OFDM QPSK	1	1		23.45		
		1	137		23.25		
		1	271		23.39		
		135	0		23.34		
		135	69		23.39		
		135	138		23.32		
		270	0		23.34		
	DFT-s-OFDM 16QAM	1	1		23.42		
	DFT-s-OFDM 64QAM	1	1		23.20		
	DFT-s-OFDM 256QAM	1	1		21.49		
	90M	DFT-s-OFDM QPSK	1	1	23.16	23.24	23.06
80M	DFT-s-OFDM QPSK	1	1	23.02	23.10	23.26	
70M	DFT-s-OFDM QPSK	1	1	23.22	23.10	23.07	
60M	DFT-s-OFDM QPSK	1	1	23.25	23.06	23.01	
50M	DFT-s-OFDM QPSK	1	1	23.15	23.19	22.75	

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	23.16	23.02	23.12
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	23.14	23.13	23.21
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	23.07	23.26	23.28
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	23.35	23.14	23.02
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	23.16	23.08	23.26
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	23.19	23.15	23.22



HPUE n77 (SCS 30 kHz)_Ant1

BW [MHz]	MCS Index	RB Size	RB Offset		Mid	
		Channel			633334	
		Frequency (MHz)			3500.01	
100M	DFT-s-OFDM Pi/2 BPSK	1	1		25.45	
		1	137		25.29	
		1	271		25.42	
		135	0		24.63	
		135	69		25.30	
		135	138		24.61	
		270	0		24.57	
	DFT-s-OFDM QPSK	1	1		25.49	
		1	137		25.32	
		1	271		25.44	
		135	0		24.40	
		135	69		25.35	
		135	138		24.36	
		270	0		24.46	
	DFT-s-OFDM 16QAM	1	1		24.52	
	DFT-s-OFDM 64QAM	1	1		22.66	
DFT-s-OFDM 256QAM	1	1		20.53		
BW [MHz]	MCS Index	Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
90M	DFT-s-OFDM QPSK	1	1	25.35	25.40	25.31
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	25.32	25.33	25.30
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	25.36	25.46	25.37
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	25.33	25.44	25.35
BW [MHz]	MCS Index	Channel		631668	24.28	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	25.29	25.43	25.34

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	25.41	25.36	25.33
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	25.26	25.28	25.22
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	25.18	25.32	25.27
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	25.41	25.46	25.45
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	25.37	25.24	25.33
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	25.26	25.39	25.37



HPUE n77 (SCS 30 kHz)_Ant1

BW [MHz]	MCS Index	RB Size	RB Offset	Mid	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-s-OFDM Pi/2 BPSK	1	1	25.39	25.58	25.41
		1	137	25.42	25.52	25.41
		1	271	25.40	25.60	25.52
		135	0	24.89	24.51	24.79
		135	69	25.35	25.49	25.40
		135	138	24.76	24.67	24.66
		270	0	24.68	24.62	24.59
	DFT-s-OFDM QPSK	1	1	25.42	25.61	25.49
		1	137	25.16	25.57	25.28
		1	271	25.37	25.60	25.46
		135	0	24.45	24.54	24.43
		135	69	25.23	25.53	25.32
		135	138	24.37	24.62	24.46
		270	0	24.46	24.52	24.45
	DFT-s-OFDM 16QAM	1	1	24.51	24.62	24.52
	DFT-s-OFDM 64QAM	1	1	22.65	22.73	22.69
	DFT-s-OFDM 256QAM	1	1	20.52	20.66	20.55
	BW [MHz]	MCS Index	Channel		649668	656000
Frequency (MHz)			3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	25.46	25.59	25.48
BW [MHz]	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-s-OFDM QPSK	1	1	25.42	25.56	25.33
BW [MHz]	MCS Index	Channel		649000	656000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-s-OFDM QPSK	1	1	25.32	25.49	25.46
BW [MHz]	MCS Index	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-s-OFDM QPSK	1	1	25.31	25.52	25.46
BW [MHz]	MCS Index	Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-s-OFDM QPSK	1	1	25.36	25.58	25.39

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BW [MHz]	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-s-OFDM QPSK	1	1	25.39	25.59	25.47
BW [MHz]	MCS Index	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-s-OFDM QPSK	1	1	25.45	25.57	25.36
BW [MHz]	MCS Index	Channel		647500	656000	664500
		Frequency (MHz)		3712.5	3840	3967.5
25M	DFT-s-OFDM QPSK	1	1	25.31	25.36	25.51
BW [MHz]	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-s-OFDM QPSK	1	1	25.23	25.48	25.37
BW [MHz]	MCS Index	Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-s-OFDM QPSK	1	1	25.43	25.32	25.39
BW [MHz]	MCS Index	Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-s-OFDM QPSK	1	1	25.29	25.50	25.40



HPUE n77 (SCS 30 kHz)_Ant2

BW [MHz]	MCS Index	RB Size	RB Offset		Mid		
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		27.15		
		1	137		26.83		
		1	271		26.80		
		135	0		26.10		
		135	69		26.79		
		135	138		25.96		
		270	0		26.05		
	DFT-s-OFDM QPSK	1	1		27.17		
		1	137		26.90		
		1	271		26.99		
		135	0		26.03		
		135	69		26.84		
		135	138		25.97		
		270	0		26.06		
	DFT-s-OFDM 16QAM	1	1		26.22		
	DFT-s-OFDM 64QAM	1	1		24.24		
DFT-s-OFDM 256QAM	1	1		22.20			
BW [MHz]	MCS Index	Channel			633000	633334	633666
		Frequency (MHz)			3495	3500.01	3504.99
90M	DFT-s-OFDM QPSK	1	1	26.93	27.02	26.91	
BW [MHz]	MCS Index	Channel			632668	633334	634000
		Frequency (MHz)			3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	26.94	26.98	26.92	
BW [MHz]	MCS Index	Channel			632334	633334	634332
		Frequency (MHz)			3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	26.98	27.08	27.01	
BW [MHz]	MCS Index	Channel			632000	633334	634666
		Frequency (MHz)			3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	27.01	27.10	27.03	
BW [MHz]	MCS Index	Channel			631668	24.28	635000
		Frequency (MHz)			3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	27.02	27.13	27.05	

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	26.95	26.97	26.98
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	26.98	27.09	27.06
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	26.74	26.81	26.78
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	26.91	27.05	27.01
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	26.75	26.93	26.87
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	26.89	26.91	26.90



HPUE n77 (SCS 30 kHz)_Ant2

BW [MHz]	MCS Index	RB Size	RB Offset	Mid	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-s-OFDM Pi/2 BPSK	1	1	27.06	27.02	27.12
		1	137	27.04	27.01	27.09
		1	271	27.03	26.98	26.99
		135	0	26.53	26.50	26.60
		135	69	26.92	26.87	26.93
		135	138	26.47	26.42	26.44
		270	0	26.53	26.44	26.51
	DFT-s-OFDM QPSK	1	1	27.15	27.34	27.31
		1	137	26.97	27.18	27.07
		1	271	27.07	27.23	27.21
		135	0	26.09	26.20	26.28
		135	69	26.89	27.26	27.08
		135	138	26.06	26.40	26.16
		270	0	26.05	26.20	26.17
	DFT-s-OFDM 16QAM	1	1	26.25	26.21	26.27
DFT-s-OFDM 64QAM	1	1	24.25	24.20	24.26	
DFT-s-OFDM 256QAM	1	1	22.09	22.05	22.11	
BW [MHz]	MCS Index	Channel		649668	656000	662332
		Frequency (MHz)		3745.02	3840	3934.98
90M	DFT-s-OFDM QPSK	1	1	27.10	27.30	27.31
BW [MHz]	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-s-OFDM QPSK	1	1	27.09	27.26	27.32
BW [MHz]	MCS Index	Channel		649000	656000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-s-OFDM QPSK	1	1	26.99	27.28	27.29
BW [MHz]	MCS Index	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-s-OFDM QPSK	1	1	27.01	27.31	27.22
BW [MHz]	MCS Index	Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-s-OFDM QPSK	1	1	26.96	27.25	27.26

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BW [MHz]	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-s-OFDM QPSK	1	1	26.97	27.19	27.33
BW [MHz]	MCS Index	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-s-OFDM QPSK	1	1	27.06	27.21	27.28
BW [MHz]	MCS Index	Channel		647500	656000	664500
		Frequency (MHz)		3712.5	3840	3967.5
25M	DFT-s-OFDM QPSK	1	1	26.56	26.74	27.10
BW [MHz]	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-s-OFDM QPSK	1	1	27.02	27.23	27.29
BW [MHz]	MCS Index	Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-s-OFDM QPSK	1	1	27.08	26.89	26.96
BW [MHz]	MCS Index	Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-s-OFDM QPSK	1	1	27.05	27.18	27.25



HPUE n77 (SCS 30 kHz)_Ant3

BW [MHz]	MCS Index	RB Size	RB Offset			Mid
		Channel				633334
		Frequency (MHz)				3500.01
100M	DFT-s-OFDM Pi/2 BPSK	1	1		27.26	
		1	137		26.95	
		1	271		26.87	
		135	0		26.57	
		135	69		27.03	
		135	138		26.34	
		270	0		26.11	
	DFT-s-OFDM QPSK	1	1		27.28	
		1	137		26.97	
		1	271		26.92	
		135	0		26.16	
		135	69		27.07	
		135	138		25.90	
		270	0		26.15	
	DFT-s-OFDM 16QAM	1	1		26.25	
	DFT-s-OFDM 64QAM	1	1		24.48	
DFT-s-OFDM 256QAM	1	1		22.33		
BW [MHz]	MCS Index	Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
90M	DFT-s-OFDM QPSK	1	1	27.08	27.10	27.05
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	27.16	27.21	27.03
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	27.13	27.12	27.06
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	27.15	27.27	27.13
BW [MHz]	MCS Index	Channel		631668	24.28	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	27.09	27.11	27.10

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	27.16	27.19	27.17
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	27.06	27.09	27.07
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	26.93	27.11	26.91
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	27.23	27.26	27.05
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	26.87	26.94	26.99
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	27.05	27.13	27.09



HPUE n77 (SCS 30 kHz)_Ant3

BW [MHz]	MCS Index	RB Size	RB Offset	Mid	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-s-OFDM Pi/2 BPSK	1	1	26.75	27.16	26.93
		1	137	26.65	27.05	26.55
		1	271	26.69	26.66	26.54
		135	0	26.12	26.11	26.03
		135	69	26.69	26.72	26.75
		135	138	26.10	26.15	26.12
		270	0	26.09	26.11	26.05
	DFT-s-OFDM QPSK	1	1	26.70	27.18	26.96
		1	137	26.50	27.07	26.51
		1	271	26.67	26.85	26.59
		135	0	25.67	26.11	25.77
		135	69	26.53	27.08	26.29
		135	138	25.72	26.09	25.29
		270	0	25.75	26.06	25.42
	DFT-s-OFDM 16QAM	1	1	25.82	26.10	25.93
DFT-s-OFDM 64QAM	1	1	24.06	24.29	24.12	
DFT-s-OFDM 256QAM	1	1	21.81	22.21	22.10	
BW [MHz]	MCS Index	Channel		649668	656000	662332
		Frequency (MHz)		3745.02	3840	3934.98
90M	DFT-s-OFDM QPSK	1	1	26.71	27.13	26.99
BW [MHz]	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-s-OFDM QPSK	1	1	26.81	27.16	26.93
BW [MHz]	MCS Index	Channel		649000	656000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-s-OFDM QPSK	1	1	26.83	27.09	26.87
BW [MHz]	MCS Index	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-s-OFDM QPSK	1	1	26.79	27.05	26.83
BW [MHz]	MCS Index	Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-s-OFDM QPSK	1	1	26.76	27.15	26.81

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BW [MHz]	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-s-OFDM QPSK	1	1	26.91	27.11	26.98
BW [MHz]	MCS Index	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-s-OFDM QPSK	1	1	26.78	27.02	26.91
BW [MHz]	MCS Index	Channel		647500	656000	664500
		Frequency (MHz)		3712.5	3840	3967.5
25M	DFT-s-OFDM QPSK	1	1	26.57	26.73	26.58
BW [MHz]	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-s-OFDM QPSK	1	1	26.93	27.17	26.79
BW [MHz]	MCS Index	Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-s-OFDM QPSK	1	1	26.83	27.05	26.77
BW [MHz]	MCS Index	Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-s-OFDM QPSK	1	1	26.81	27.06	26.85



BW [MHz]	MCS Index	RB Size	RB Offset			
		Channel			633334	
		Frequency (MHz)			3500.01	
100M	DFT-s-OFDM Pi/2 BPSK	1	1		25.16	
		1	137		24.74	
		1	271		24.81	
		135	0		24.02	
		135	69		24.85	
		135	138		23.93	
		270	0		23.97	
	DFT-s-OFDM QPSK	1	1		25.19	
		1	137		24.85	
		1	271		25.07	
		135	0		24.01	
		135	69		24.93	
		135	138		24.06	
		270	0		24.01	
	DFT-s-OFDM 16QAM	1	1		24.25	
	DFT-s-OFDM 64QAM	1	1		22.24	
	DFT-s-OFDM 256QAM	1	1		20.13	
	BW [MHz]	MCS Index	Channel		633000	633334
Frequency (MHz)			3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	25.05	25.15	25.03
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	25.09	25.18	25.01
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	25.06	25.09	25.05
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	25.01	25.06	25.03
BW [MHz]	MCS Index	Channel		631668	24.28	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	25.11	25.16	25.09

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	25.02	25.01	24.99
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	25.01	25.03	24.98
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	24.79	24.87	24.85
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	24.99	25.11	24.95
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	24.96	25.06	24.83
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	24.96	24.99	24.97



HPUE n77 (SCS 30 kHz)_Ant7

BW [MHz]	MCS Index	RB Size	RB Offset	Mid	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-s-OFDM Pi/2 BPSK	1	1	24.73	25.09	25.12
		1	137	24.65	25.07	24.97
		1	271	24.74	25.10	24.92
		135	0	23.79	23.97	24.03
		135	69	24.62	25.01	24.91
		135	138	23.68	24.09	23.86
		270	0	23.82	24.01	23.99
	DFT-s-OFDM QPSK	1	1	24.78	25.14	25.11
		1	137	24.63	25.09	24.95
		1	271	24.74	25.12	24.96
		135	0	23.80	23.98	24.05
		135	69	24.64	25.03	24.92
		135	138	23.79	24.18	23.93
		270	0	23.86	24.03	24.01
	DFT-s-OFDM 16QAM	1	1	23.83	24.11	23.93
	DFT-s-OFDM 64QAM	1	1	21.95	22.24	22.24
DFT-s-OFDM 256QAM	1	1	19.81	20.15	20.08	
BW [MHz]	MCS Index	Channel		649668	656000	662332
		Frequency (MHz)		3745.02	3840	3934.98
90M	DFT-s-OFDM QPSK	1	1	25.08	25.09	25.11
BW [MHz]	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-s-OFDM QPSK	1	1	25.09	25.09	25.02
BW [MHz]	MCS Index	Channel		649000	656000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-s-OFDM QPSK	1	1	25.08	25.11	25.06
BW [MHz]	MCS Index	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-s-OFDM QPSK	1	1	25.12	25.03	25.01
BW [MHz]	MCS Index	Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-s-OFDM QPSK	1	1	25.08	25.09	25.05

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BW [MHz]	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-s-OFDM QPSK	1	1	25.06	25.11	24.99
BW [MHz]	MCS Index	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-s-OFDM QPSK	1	1	25.09	25.06	24.93
BW [MHz]	MCS Index	Channel		647500	656000	664500
		Frequency (MHz)		3712.5	3840	3967.5
25M	DFT-s-OFDM QPSK	1	1	24.87	24.94	24.91
BW [MHz]	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-s-OFDM QPSK	1	1	25.07	25.07	24.96
BW [MHz]	MCS Index	Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-s-OFDM QPSK	1	1	25.01	24.98	24.82
BW [MHz]	MCS Index	Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-s-OFDM QPSK	1	1	25.07	25.06	25.05



HPUE n78 (SCS 30 kHz)_Ant1

BW [MHz]	MCS Index	RB Size	RB Offset			
		Channel		633334		
		Frequency (MHz)		3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		25.37	
		1	137		25.24	
		1	271		25.21	
		135	0		24.55	
		135	69		25.08	
		135	138		24.52	
		270	0		24.61	
	DFT-s-OFDM QPSK	1	1		25.39	
		1	137		25.25	
		1	271		25.26	
		135	0		24.30	
		135	69		25.31	
		135	138		24.29	
		270	0		24.36	
	DFT-s-OFDM 16QAM	1	1		24.45	
	DFT-s-OFDM 64QAM	1	1		22.58	
	DFT-s-OFDM 256QAM	1	1		20.64	
	BW [MHz]	MCS Index	Channel		633000	633334
Frequency (MHz)			3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	25.26	25.30	25.21
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	25.21	25.32	25.23
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	25.23	25.36	25.25
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	25.24	25.29	25.27
BW [MHz]	MCS Index	Channel		631668	633334	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	25.28	25.26	25.23

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	25.19	25.31	25.29
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	25.16	25.32	25.19
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	25.09	25.12	25.15
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	25.18	25.36	25.32
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	25.23	25.27	25.31
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	25.31	25.26	25.36



HPUE n78 (SCS 30 kHz)_Ant2

BW [MHz]	MCS Index	RB Size	RB Offset				
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		27.12		
		1	137		26.92		
		1	271		26.99		
		135	0		25.95		
		135	69		26.91		
		135	138		25.99		
		270	0		25.96		
	DFT-s-OFDM QPSK	1	1		27.14		
		1	137		26.87		
		1	271		27.03		
		135	0		26.03		
		135	69		26.85		
		135	138		26.02		
		270	0		25.97		
	DFT-s-OFDM 16QAM	1	1		26.09		
	DFT-s-OFDM 64QAM	1	1		24.23		
DFT-s-OFDM 256QAM	1	1		22.19			
BW [MHz]	MCS Index	Channel			633000	633334	633666
		Frequency (MHz)			3495	3500.01	3504.99
90M	DFT-s-OFDM QPSK	1	1	27.03	27.09	27.01	
BW [MHz]	MCS Index	Channel			632668	633334	634000
		Frequency (MHz)			3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	27.01	27.06	26.98	
BW [MHz]	MCS Index	Channel			632334	633334	634332
		Frequency (MHz)			3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	27.06	27.12	26.02	
BW [MHz]	MCS Index	Channel			632000	633334	634666
		Frequency (MHz)			3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	26.98	27.01	26.99	
BW [MHz]	MCS Index	Channel			631668	633334	635000
		Frequency (MHz)			3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	27.05	27.08	27.06	

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	27.09	27.13	27.11
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	26.99	27.05	27.01
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	26.73	26.95	26.85
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	26.94	26.99	26.96
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	26.96	26.82	26.79
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	26.91	26.92	26.90



HPUE n78 (SCS 30 kHz)_Ant3

BW [MHz]	MCS Index	RB Size	RB Offset		Mid		
		Channel			633000	633334	633666
		Frequency (MHz)			3495	3500.01	3504.99
100M	DFT-s-OFDM Pi/2 BPSK	1	1		27.31		
		1	137		26.98		
		1	271		27.01		
		135	0		26.15		
		135	69		26.98		
		135	138		26.01		
		270	0		26.14		
	DFT-s-OFDM QPSK	1	1		27.32		
		1	137		26.93		
		1	271		27.02		
		135	0		26.16		
		135	69		27.01		
		135	138		25.98		
		270	0		26.15		
	DFT-s-OFDM 16QAM	1	1		26.35		
	DFT-s-OFDM 64QAM	1	1		24.35		
	DFT-s-OFDM 256QAM	1	1		22.27		
	90M	DFT-s-OFDM QPSK	1	1	27.24	27.25	27.21
80M	DFT-s-OFDM QPSK	1	1	27.20	27.31	27.22	
70M	DFT-s-OFDM QPSK	1	1	27.20	27.21	27.16	
60M	DFT-s-OFDM QPSK	1	1	27.21	27.23	27.13	
50M	DFT-s-OFDM QPSK	1	1	27.16	27.19	27.18	

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	27.27	27.26	27.23
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	27.16	27.15	27.09
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	27.18	27.03	26.97
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	27.19	27.22	27.21
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	26.98	27.07	27.13
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	27.16	27.18	27.17



HPUE n78 (SCS 30 kHz)_Ant7

BW [MHz]	MCS Index	RB Size	RB Offset			
		Channel		633334		
		Frequency (MHz)		3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		25.23	
		1	137		24.97	
		1	271		25.22	
		135	0		24.09	
		135	69		24.96	
		135	138		24.17	
		270	0		24.25	
	DFT-s-OFDM QPSK	1	1		25.25	
		1	137		25.02	
		1	271		25.24	
		135	0		24.18	
		135	69		25.05	
		135	138		24.22	
		270	0		24.24	
	DFT-s-OFDM 16QAM	1	1		24.45	
	DFT-s-OFDM 64QAM	1	1		22.44	
	DFT-s-OFDM 256QAM	1	1		20.28	
	BW [MHz]	MCS Index	Channel		633000	633334
Frequency (MHz)			3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	25.19	25.21	25.12
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	25.16	25.24	25.15
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-s-OFDM QPSK	1	1	25.15	25.19	25.07
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	25.13	25.16	25.17
BW [MHz]	MCS Index	Channel		631668	633334	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-s-OFDM QPSK	1	1	25.14	25.18	25.16

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BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	25.06	25.09	25.18
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-s-OFDM QPSK	1	1	25.09	25.13	25.15
BW [MHz]	MCS Index	Channel		630834	633334	635832
		Frequency (MHz)		3462.51	3500.01	3537.48
25M	DFT-s-OFDM QPSK	1	1	25.11	24.99	25.07
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	25.16	25.23	25.19
BW [MHz]	MCS Index	Channel		630500	633334	636166
		Frequency (MHz)		3457.5	3500.01	3542.49
15M	DFT-s-OFDM QPSK	1	1	24.87	25.04	25.12
BW [MHz]	MCS Index	Channel		630334	633334	636332
		Frequency (MHz)		3455.01	3500.01	3544.98
10M	DFT-s-OFDM QPSK	1	1	25.11	25.17	25.14



EIRP
n2 (SCS 15kHz)_Ant2

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-Pi/2 BPSK	374000	1870	23.79	-1.7	22.09	161.81	2
	376000	1880	23.86	-1.7	22.16	164.44	2
	378000	1890	23.83	-1.7	22.13	163.31	2
40M-QPSK	374000	1870	23.85	-1.7	22.15	164.06	2
	376000	1880	23.88	-1.7	22.18	165.20	2
	378000	1890	23.79	-1.7	22.09	161.81	2
40M- 16QAM	374000	1870	22.80	-1.7	21.10	128.82	2
	376000	1880	22.87	-1.7	21.17	130.92	2
	378000	1890	22.90	-1.7	21.20	131.83	2
40M- 64QAM	374000	1870	20.73	-1.7	19.03	79.98	2
	376000	1880	20.78	-1.7	19.08	80.91	2
	378000	1890	20.75	-1.7	19.05	80.35	2
40M- 256QAM	374000	1870	18.66	-1.7	16.96	49.66	2
	376000	1880	18.68	-1.7	16.98	49.89	2
	378000	1890	18.64	-1.7	16.94	49.43	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	373500	1867.5	23.71	-1.7	22.01	158.85	2
	376000	1880	23.79	-1.7	22.09	161.81	2
	378500	1892.5	23.67	-1.7	21.97	157.40	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	373000	1865	23.75	-1.7	22.05	160.32	2
	376000	1880	23.84	-1.7	22.14	163.68	2
	379000	1895	23.73	-1.7	22.03	159.59	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	372500	1862.5	23.56	-1.7	21.86	153.46	2
	376000	1880	23.70	-1.7	22.00	158.49	2
	379500	1897.5	23.65	-1.7	21.95	156.68	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	372000	1860	23.59	-1.7	21.89	154.53	2



	376000	1880	23.82	-1.7	22.12	162.93	2
	380000	1900	23.56	-1.7	21.86	153.46	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	371500	1857.5	23.70	-1.7	22.00	158.49	2
	376000	1880	23.85	-1.7	22.15	164.06	2
	380500	1902.5	23.71	-1.7	22.01	158.85	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	371000	1855	23.70	-1.7	22.00	158.49	2
	376000	1880	23.79	-1.7	22.09	161.81	2
	381000	1905	23.62	-1.7	21.92	155.60	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	370500	1852.5	23.62	-1.7	21.92	155.60	2
	376000	1880	23.72	-1.7	22.02	159.22	2
	381500	1907.5	23.54	-1.7	21.84	152.76	2



n2 (SCS 15kHz)_Ant3

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-Pi/2 BPSK	374000	1870	24.39	-4.87	19.52	89.54	2
	376000	1880	24.47	-4.87	19.60	91.20	2
	378000	1890	24.40	-4.87	19.53	89.74	2
40M-QPSK	374000	1870	24.49	-4.87	19.62	91.62	2
	376000	1880	24.54	-4.87	19.67	92.68	2
	378000	1890	24.46	-4.87	19.59	90.99	2
40M- 16QAM	374000	1870	23.42	-4.87	18.55	71.61	2
	376000	1880	23.56	-4.87	18.69	73.96	2
	378000	1890	23.55	-4.87	18.68	73.79	2
40M- 64QAM	374000	1870	21.38	-4.87	16.51	44.77	2
	376000	1880	21.45	-4.87	16.58	45.50	2
	378000	1890	21.40	-4.87	16.53	44.98	2
40M- 256QAM	374000	1870	19.27	-4.87	14.40	27.54	2
	376000	1880	19.35	-4.87	14.48	28.05	2
	378000	1890	19.24	-4.87	14.37	27.35	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	373500	1867.5	24.31	-4.87	19.44	87.90	2
	376000	1880	24.28	-4.87	19.41	87.30	2
	378500	1892.5	24.33	-4.87	19.46	88.31	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	373000	1865	24.52	-4.87	19.65	92.26	2
	376000	1880	24.49	-4.87	19.62	91.62	2
	379000	1895	24.50	-4.87	19.63	91.83	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	372500	1862.5	24.50	-4.87	19.63	91.83	2
	376000	1880	24.51	-4.87	19.64	92.04	2
	379500	1897.5	24.47	-4.87	19.60	91.20	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	372000	1860	24.48	-4.87	19.61	91.41	2
	376000	1880	24.49	-4.87	19.62	91.62	2
	380000	1900	24.46	-4.87	19.59	90.99	2



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	371500	1857.5	24.49	-4.87	19.62	91.62	2
	376000	1880	24.47	-4.87	19.60	91.20	2
	380500	1902.5	24.47	-4.87	19.60	91.20	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	371000	1855	24.51	-4.87	19.64	92.04	2
	376000	1880	24.50	-4.87	19.63	91.83	2
	381000	1905	24.49	-4.87	19.62	91.62	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	370500	1852.5	24.52	-4.87	19.65	92.26	2
	376000	1880	24.46	-4.87	19.59	90.99	2
	381500	1907.5	24.45	-4.87	19.58	90.78	2



n5 (SCS 15kHz)_Ant0

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
25M-Pi/2 BPSK	167300	836.5	25.22	-2.29	22.93	196.34	7
25M-QPSK	167300	836.5	25.22	-2.29	22.93	196.34	7
25M- 16QAM	167300	836.5	24.30	-2.29	22.01	158.85	7
25M- 64QAM	167300	836.5	22.25	-2.29	19.96	99.08	7
25M- 256QAM	167300	836.5	20.01	-2.29	17.72	59.16	7
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
20M-QPSK	166800	834	24.98	-2.29	20.54	113.24	7
	167300	836.5	25.10	-2.29	20.66	116.41	7
	167800	839	24.98	-2.29	20.54	113.24	7
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
15M-QPSK	166300	831.5	25.10	-2.29	20.66	116.41	7
	167300	836.5	25.14	-2.29	20.70	117.49	7
	168300	841.5	25.06	-2.29	20.62	115.35	7
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)



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10M-QPSK	165800	829	25.11	-2.29	20.67	116.68	7
	167300	836.5	25.11	-2.29	20.67	116.68	7
	168800	844	25.07	-2.29	20.63	115.61	7
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
5M-QPSK	165300	826.5	25.08	-2.29	22.79	190.11	7
	167300	836.5	25.15	-2.29	22.86	193.20	7
	169300	846.5	25.02	-2.29	22.73	187.50	7



n5 (SCS 15kHz)_Ant1

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
25M-Pi/2 BPSK	167300	836.5	25.07	3.02	28.09	644.17	7
25M-QPSK	167300	836.5	25.12	3.02	28.14	651.63	7
25M- 16QAM	167300	836.5	24.17	3.02	27.19	523.60	7
25M- 64QAM	167300	836.5	21.98	3.02	25.00	316.23	7
25M- 256QAM	167300	836.5	19.89	3.02	22.91	195.43	7
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
20M-QPSK	166800	834	25.02	3.02	25.89	388.15	7
	167300	836.5	25.06	3.02	25.93	391.74	7
	167800	839	25.04	3.02	25.91	389.94	7
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
15M-QPSK	166300	831.5	25.01	3.02	25.88	387.26	7
	167300	836.5	25.04	3.02	25.91	389.94	7
	168300	841.5	25.02	3.02	25.89	388.15	7
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)



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10M-QPSK	165800	829	24.98	3.02	25.85	384.59	7
	167300	836.5	25.03	3.02	25.90	389.05	7
	168800	844	25.01	3.02	25.88	387.26	7
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
5M-QPSK	165300	826.5	25.02	3.02	28.04	636.80	7
	167300	836.5	25.05	3.02	28.07	641.21	7
	169300	846.5	25.03	3.02	28.05	638.26	7



n7 (SCS 15kHz)_Ant0

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-Pi/2 BPSK	505000	2525	23.54	-3.04	20.50	112.20	2
	507000	2535	23.88	-3.04	20.84	121.34	2
	509000	2545	23.66	-3.04	20.62	115.35	2
50M-QPSK	505000	2525	23.63	-3.04	20.59	114.55	2
	507000	2535	23.91	-3.04	20.87	122.18	2
	509000	2545	23.54	-3.04	20.50	112.20	2
50M- 16QAM	505000	2525	22.98	-3.04	19.94	98.63	2
	507000	2535	22.85	-3.04	19.81	95.72	2
	509000	2545	22.85	-3.04	19.81	95.72	2
50M- 64QAM	505000	2525	20.88	-3.04	17.84	60.81	2
	507000	2535	20.90	-3.04	17.86	61.09	2
	509000	2545	20.94	-3.04	17.90	61.66	2
50M- 256QAM	505000	2525	18.72	-3.04	15.68	36.98	2
	507000	2535	18.86	-3.04	15.82	38.19	2
	509000	2545	18.84	-3.04	15.80	38.02	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	504000	2520	23.46	-3.04	20.42	110.15	2
	507000	2535	23.88	-3.04	20.84	121.34	2
	510000	2550	23.51	-3.04	20.47	111.43	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	503500	2517.5	23.61	-3.04	20.57	114.02	2
	507000	2535	23.73	-3.04	20.69	117.22	2
	510500	2552.5	23.34	-3.04	20.30	107.15	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	503000	2515	23.33	-3.04	20.29	106.91	2
	507000	2535	23.75	-3.04	20.71	117.76	2
	511000	2555	23.16	-3.04	20.12	102.80	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	502500	2512.5	23.42	-3.04	20.38	109.14	2
	507000	2535	23.74	-3.04	20.70	117.49	2
	511500	2557.5	23.22	-3.04	20.18	104.23	2

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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	502000	2510	23.43	-3.04	20.39	109.40	2
	507000	2535	23.84	-3.04	20.80	120.23	2
	512000	2560	23.25	-3.04	20.21	104.95	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	501500	2507.5	23.41	-3.04	20.37	108.89	2
	507000	2535	23.74	-3.04	20.70	117.49	2
	512500	2562.5	23.20	-3.04	20.16	103.75	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	501000	2505	23.36	-3.04	20.32	107.65	2
	507000	2535	23.75	-3.04	20.71	117.76	2
	513000	2565	23.25	-3.04	20.21	104.95	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	500500	2502.5	23.44	-3.04	20.40	109.65	2
	507000	2535	23.83	-3.04	20.79	119.95	2
	513500	2567.5	23.20	-3.04	20.16	103.75	2



n7 (SCS 15kHz)_Ant2

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-Pi/2 BPSK	505000	2525	24.92	-1.55	23.37	217.27	2
	507000	2535	24.87	-1.55	23.32	214.78	2
	509000	2545	24.88	-1.55	23.33	215.28	2
50M-QPSK	505000	2525	25.09	-1.55	23.54	225.94	2
	507000	2535	25.04	-1.55	23.49	223.36	2
	509000	2545	24.98	-1.55	23.43	220.29	2
50M- 16QAM	505000	2525	23.93	-1.55	22.38	172.98	2
	507000	2535	23.99	-1.55	22.44	175.39	2
	509000	2545	23.96	-1.55	22.41	174.18	2
50M- 64QAM	505000	2525	21.78	-1.55	20.23	105.44	2
	507000	2535	21.89	-1.55	20.34	108.14	2
	509000	2545	21.94	-1.55	20.39	109.40	2
50M- 256QAM	505000	2525	19.89	-1.55	18.34	68.23	2
	507000	2535	19.88	-1.55	18.33	68.08	2
	509000	2545	19.80	-1.55	18.25	66.83	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	504000	2520	25.07	-1.55	23.52	224.91	2
	507000	2535	24.96	-1.55	23.41	219.28	2
	510000	2550	24.91	-1.55	23.36	216.77	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	503500	2517.5	24.85	-1.55	23.30	213.80	2
	507000	2535	24.66	-1.55	23.11	204.64	2
	510500	2552.5	24.70	-1.55	23.15	206.54	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	503000	2515	24.92	-1.55	23.37	217.27	2
	507000	2535	24.91	-1.55	23.36	216.77	2
	511000	2555	24.83	-1.55	23.28	212.81	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	502500	2512.5	25.01	-1.55	23.46	221.82	2
	507000	2535	24.71	-1.55	23.16	207.01	2
	511500	2557.5	24.73	-1.55	23.18	207.97	2

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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	502000	2510	24.98	-1.55	23.43	220.29	2
	507000	2535	24.78	-1.55	23.23	210.38	2
	512000	2560	24.80	-1.55	23.25	211.35	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	501500	2507.5	25.03	-1.55	23.48	222.84	2
	507000	2535	24.85	-1.55	23.30	213.80	2
	512500	2562.5	24.83	-1.55	23.28	212.81	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	501000	2505	25.05	-1.55	23.50	223.87	2
	507000	2535	24.81	-1.55	23.26	211.84	2
	513000	2565	24.81	-1.55	23.26	211.84	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	500500	2502.5	25.04	-1.55	23.49	223.36	2
	507000	2535	24.80	-1.55	23.25	211.35	2
	513500	2567.5	24.90	-1.55	23.35	216.27	2



n7 (SCS 15kHz)_Ant3

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-Pi/2 BPSK	505000	2525	24.78	-3.15	21.63	145.55	2
	507000	2535	25.24	-3.15	22.09	161.81	2
	509000	2545	25.08	-3.15	21.93	155.96	2
50M-QPSK	505000	2525	24.70	-3.15	21.55	142.89	2
	507000	2535	25.36	-3.15	22.21	166.34	2
	509000	2545	25.19	-3.15	22.04	159.96	2
50M- 16QAM	505000	2525	24.07	-3.15	20.92	123.59	2
	507000	2535	24.30	-3.15	21.15	130.32	2
	509000	2545	24.26	-3.15	21.11	129.12	2
50M- 64QAM	505000	2525	21.89	-3.15	18.74	74.82	2
	507000	2535	22.14	-3.15	18.99	79.25	2
	509000	2545	22.05	-3.15	18.90	77.62	2
50M- 256QAM	505000	2525	19.95	-3.15	16.80	47.86	2
	507000	2535	20.16	-3.15	17.01	50.23	2
	509000	2545	20.03	-3.15	16.88	48.75	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	504000	2520	24.51	-3.15	21.36	136.77	2
	507000	2535	25.27	-3.15	22.12	162.93	2
	510000	2550	25.09	-3.15	21.94	156.31	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	503500	2517.5	24.48	-3.15	21.33	135.83	2
	507000	2535	25.12	-3.15	21.97	157.40	2
	510500	2552.5	25.07	-3.15	21.92	155.60	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	503000	2515	24.53	-3.15	21.38	137.40	2
	507000	2535	25.25	-3.15	22.10	162.18	2
	511000	2555	25.08	-3.15	21.93	155.96	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	502500	2512.5	24.49	-3.15	21.34	136.14	2
	507000	2535	25.26	-3.15	22.11	162.55	2
	511500	2557.5	25.05	-3.15	21.90	154.88	2



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	502000	2510	24.51	-3.15	21.36	136.77	2
	507000	2535	25.25	-3.15	22.10	162.18	2
	512000	2560	24.09	-3.15	20.94	124.17	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	501500	2507.5	24.52	-3.15	21.37	137.09	2
	507000	2535	25.23	-3.15	22.08	161.44	2
	512500	2562.5	24.06	-3.15	20.91	123.31	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	501000	2505	24.48	-3.15	21.33	135.83	2
	507000	2535	25.24	-3.15	22.09	161.81	2
	513000	2565	25.01	-3.15	21.86	153.46	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	500500	2502.5	24.49	-3.15	21.34	136.14	2
	507000	2535	25.21	-3.15	22.06	160.69	2
	513500	2567.5	25.02	-3.15	21.87	153.82	2



n7 (SCS 15kHz)_Ant4

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-Pi/2 BPSK	505000	2525	24.56	-0.07	24.49	281.19	2
	507000	2535	24.81	-0.07	24.74	297.85	2
	509000	2545	24.79	-0.07	24.72	296.48	2
50M-QPSK	505000	2525	24.72	-0.07	24.65	291.74	2
	507000	2535	24.95	-0.07	24.88	307.61	2
	509000	2545	24.79	-0.07	24.72	296.48	2
50M- 16QAM	505000	2525	23.74	-0.07	23.67	232.81	2
	507000	2535	23.99	-0.07	23.92	246.60	2
	509000	2545	23.99	-0.07	23.92	246.60	2
50M- 64QAM	505000	2525	21.62	-0.07	21.55	142.89	2
	507000	2535	21.83	-0.07	21.76	149.97	2
	509000	2545	21.86	-0.07	21.79	151.01	2
50M- 256QAM	505000	2525	19.57	-0.07	19.50	89.13	2
	507000	2535	19.54	-0.07	19.47	88.51	2
	509000	2545	19.53	-0.07	19.46	88.31	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	504000	2520	24.54	-0.07	24.47	279.90	2
	507000	2535	24.88	-0.07	24.81	302.69	2
	510000	2550	24.78	-0.07	24.71	295.80	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	503500	2517.5	24.63	-0.07	24.56	285.76	2
	507000	2535	24.66	-0.07	24.59	287.74	2
	510500	2552.5	24.63	-0.07	24.56	285.76	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	503000	2515	24.59	-0.07	24.52	283.14	2
	507000	2535	24.87	-0.07	24.80	302.00	2
	511000	2555	24.77	-0.07	24.70	295.12	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	502500	2512.5	24.67	-0.07	24.60	288.40	2
	507000	2535	24.85	-0.07	24.78	300.61	2
	511500	2557.5	24.75	-0.07	24.68	293.76	2



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	502000	2510	24.61	-0.07	24.54	284.45	2
	507000	2535	24.86	-0.07	24.79	301.30	2
	512000	2560	24.76	-0.07	24.69	294.44	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	501500	2507.5	24.55	-0.07	24.48	280.54	2
	507000	2535	24.85	-0.07	24.78	300.61	2
	512500	2562.5	24.72	-0.07	24.65	291.74	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	501000	2505	24.68	-0.07	24.61	289.07	2
	507000	2535	24.84	-0.07	24.77	299.92	2
	513000	2565	24.75	-0.07	24.68	293.76	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	500500	2502.5	24.72	-0.07	24.65	291.74	2
	507000	2535	24.86	-0.07	24.79	301.30	2
	513500	2567.5	24.76	-0.07	24.69	294.44	2



n38 (SCS 30kHz)_Ant0

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-Pi/2 BPSK	518000	2590	23.67	-3.24	20.43	110.41	2
	519000	2595	23.81	-3.24	20.57	114.02	2
	520000	2600	23.67	-3.24	20.43	110.41	2
40M-QPSK	518000	2590	23.72	-3.24	20.48	111.69	2
	519000	2595	23.85	-3.24	20.61	115.08	2
	520000	2600	23.79	-3.24	20.55	113.50	2
40M-16QAM	518000	2590	22.71	-3.24	19.47	88.51	2
	519000	2595	22.87	-3.24	19.63	91.83	2
	520000	2600	22.89	-3.24	19.65	92.26	2
40M-64QAM	518000	2590	20.92	-3.24	17.68	58.61	2
	519000	2595	20.92	-3.24	17.68	58.61	2
	520000	2600	20.81	-3.24	17.57	57.15	2
40M-256QAM	518000	2590	18.53	-3.24	15.29	33.81	2
	519000	2595	18.69	-3.24	15.45	35.08	2
	520000	2600	18.58	-3.24	15.34	34.20	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	517000	2585	23.49	-3.24	20.25	105.93	2
	519000	2595	23.55	-3.24	20.31	107.40	2
	521000	2605	23.54	-3.24	20.30	107.15	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	516500	2582.5	23.62	-3.24	20.38	109.14	2
	519000	2595	23.70	-3.24	20.46	111.17	2
	521500	2607.5	23.54	-3.24	20.30	107.15	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	516000	2580	23.35	-3.24	20.11	102.57	2
	519000	2595	23.41	-3.24	20.17	103.99	2
	522000	2610	23.31	-3.24	20.07	101.62	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	515500	2577.5	23.57	-3.24	20.33	107.89	2
	519000	2595	23.78	-3.24	20.54	113.24	2
	522500	2612.5	23.65	-3.24	20.41	109.90	2



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	515000	2575	23.62	-3.24	20.38	109.14	2
	519000	2595	23.83	-3.24	20.59	114.55	2
	523000	2615	23.76	-3.24	20.52	112.72	2



n38 (SCS 30kHz)_Ant2

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-Pi/2 BPSK	518000	2590	24.95	-1.55	23.40	218.78	2
	519000	2595	24.98	-1.55	23.43	220.29	2
	520000	2600	24.95	-1.55	23.40	218.78	2
40M-QPSK	518000	2590	24.95	-1.55	23.40	218.78	2
	519000	2595	25.01	-1.55	23.46	221.82	2
	520000	2600	24.93	-1.55	23.38	217.77	2
40M-16QAM	518000	2590	23.91	-1.55	22.36	172.19	2
	519000	2595	23.72	-1.55	22.17	164.82	2
	520000	2600	23.92	-1.55	22.37	172.58	2
40M-64QAM	518000	2590	21.76	-1.55	20.21	104.95	2
	519000	2595	22.07	-1.55	20.52	112.72	2
	520000	2600	22.02	-1.55	20.47	111.43	2
40M-256QAM	518000	2590	19.91	-1.55	18.36	68.55	2
	519000	2595	19.99	-1.55	18.44	69.82	2
	520000	2600	19.84	-1.55	18.29	67.45	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	517000	2585	24.98	-1.55	23.43	220.29	2
	519000	2595	24.94	-1.55	23.39	218.27	2
	521000	2605	24.92	-1.55	23.37	217.27	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	516500	2582.5	24.70	-1.55	23.15	206.54	2
	519000	2595	24.79	-1.55	23.24	210.86	2
	521500	2607.5	24.78	-1.55	23.23	210.38	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	516000	2580	24.95	-1.55	23.40	218.78	2
	519000	2595	24.95	-1.55	23.40	218.78	2
	522000	2610	24.91	-1.55	23.36	216.77	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	515500	2577.5	24.93	-1.55	23.38	217.77	2
	519000	2595	24.96	-1.55	23.41	219.28	2
	522500	2612.5	24.83	-1.55	23.28	212.81	2



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	515000	2575	24.96	-1.55	23.41	219.28	2
	519000	2595	24.91	-1.55	23.36	216.77	2
	523000	2615	24.93	-1.55	23.38	217.77	2



n38 (SCS 30kHz)_Ant3

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-Pi/2 BPSK	518000	2590	24.85	-2.72	22.13	163.31	2
	519000	2595	24.90	-2.72	22.18	165.20	2
	520000	2600	24.83	-2.72	22.11	162.55	2
40M-QPSK	518000	2590	24.91	-2.72	22.19	165.58	2
	519000	2595	24.97	-2.72	22.25	167.88	2
	520000	2600	24.95	-2.72	22.23	167.11	2
40M- 16QAM	518000	2590	23.64	-2.72	20.92	123.59	2
	519000	2595	23.98	-2.72	21.26	133.66	2
	520000	2600	23.88	-2.72	21.16	130.62	2
40M- 64QAM	518000	2590	22.10	-2.72	19.38	86.70	2
	519000	2595	21.89	-2.72	19.17	82.60	2
	520000	2600	22.07	-2.72	19.35	86.10	2
40M- 256QAM	518000	2590	19.92	-2.72	17.20	52.48	2
	519000	2595	20.02	-2.72	17.30	53.70	2
	520000	2600	19.99	-2.72	17.27	53.33	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	517000	2585	24.54	-2.72	21.82	152.05	2
	519000	2595	24.62	-2.72	21.90	154.88	2
	521000	2605	24.66	-2.72	21.94	156.31	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	516500	2582.5	24.75	-2.72	22.03	159.59	2
	519000	2595	24.84	-2.72	22.12	162.93	2
	521500	2607.5	24.71	-2.72	21.99	158.12	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	516000	2580	24.71	-2.72	21.99	158.12	2
	519000	2595	24.69	-2.72	21.97	157.40	2
	522000	2610	24.67	-2.72	21.95	156.68	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	515500	2577.5	24.80	-2.72	22.08	161.44	2
	519000	2595	24.82	-2.72	22.10	162.18	2
	522500	2612.5	24.93	-2.72	22.21	166.34	2



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	515000	2575	24.63	-2.72	21.91	155.24	2
	519000	2595	24.53	-2.72	21.81	151.71	2
	523000	2615	24.46	-2.72	21.74	149.28	2



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-Pi/2 BPSK	518000	2590	24.82	0.09	24.91	309.74	2
	519000	2595	24.90	0.09	24.99	315.50	2
	520000	2600	24.89	0.09	24.98	314.77	2
40M-QPSK	518000	2590	25.15	0.09	25.24	334.20	2
	519000	2595	24.91	0.09	25.00	316.23	2
	520000	2600	25.05	0.09	25.14	326.59	2
40M- 16QAM	518000	2590	23.83	0.09	23.92	246.60	2
	519000	2595	23.96	0.09	24.05	254.10	2
	520000	2600	23.87	0.09	23.96	248.89	2
40M- 64QAM	518000	2590	21.86	0.09	21.95	156.68	2
	519000	2595	22.01	0.09	22.10	162.18	2
	520000	2600	21.94	0.09	22.03	159.59	2
40M- 256QAM	518000	2590	19.85	0.09	19.94	98.63	2
	519000	2595	19.88	0.09	19.97	99.31	2
	520000	2600	19.74	0.09	19.83	96.16	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	517000	2585	25.13	0.09	25.22	332.66	2
	519000	2595	24.92	0.09	25.01	316.96	2
	521000	2605	25.03	0.09	25.12	325.09	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	516500	2582.5	24.74	0.09	24.83	304.09	2
	519000	2595	24.83	0.09	24.92	310.46	2
	521500	2607.5	24.80	0.09	24.89	308.32	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	516000	2580	25.11	0.09	25.20	331.13	2
	519000	2595	24.91	0.09	25.00	316.23	2
	522000	2610	25.01	0.09	25.10	323.59	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	515500	2577.5	25.01	0.09	25.10	323.59	2
	519000	2595	24.85	0.09	24.94	311.89	2
	522500	2612.5	24.90	0.09	24.99	315.50	2



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	515000	2575	25.14	0.09	25.23	333.43	2
	519000	2595	24.90	0.09	24.99	315.50	2
	523000	2615	25.05	0.09	25.14	326.59	2



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n41 (SCS 30kHz)_Ant0

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	509202	2546.01	23.60	-3.04	20.56	113.76	2
	518598	2592.99	23.68	-3.04	20.64	115.88	2
	528000	2640	23.70	-3.04	20.66	116.41	2
100M- QPSK	509202	2546.01	23.92	-3.04	20.88	122.46	2
	518598	2592.99	23.78	-3.04	20.74	118.58	2
	528000	2640	23.59	-3.04	20.55	113.50	2
100M- 16QAM	509202	2546.01	22.70	-3.04	19.66	92.47	2
	518598	2592.99	22.53	-3.04	19.49	88.92	2
	528000	2640	22.40	-3.04	19.36	86.30	2
100M- 64QAM	509202	2546.01	20.88	-3.04	17.84	60.81	2
	518598	2592.99	20.95	-3.04	17.91	61.80	2
	528000	2640	20.84	-3.04	17.80	60.26	2
100M- 256QAM	509202	2546.01	18.69	-3.04	15.65	36.73	2
	518598	2592.99	18.78	-3.04	15.74	37.50	2
	528000	2640	18.65	-3.04	15.61	36.39	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	508200	2541	23.54	-3.04	20.50	112.20	2
	518598	2592.99	23.58	-3.04	20.54	113.24	2
	528996	2644.98	23.61	-3.04	20.57	114.02	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	507204	2536.02	23.87	-3.04	20.83	121.06	2
	518598	2592.99	23.68	-3.04	20.64	115.88	2
	529998	2649.99	23.57	-3.04	20.53	112.98	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	506202	2531.01	23.81	-3.04	20.77	119.40	2
	518598	2592.99	23.66	-3.04	20.62	115.35	2
	531000	2655	23.47	-3.04	20.43	110.41	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	505200	2526	23.63	-3.04	20.59	114.55	2
	518598	2592.99	23.50	-3.04	20.46	111.17	2



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
	531996	2659.98	23.19	-3.04	20.15	103.51	2
50M-QPSK	504204	2521.02	23.57	-3.04	20.53	112.98	2
	518598	2592.99	23.55	-3.04	20.51	112.46	2
	532998	2664.99	23.51	-3.04	20.47	111.43	2
45M-QPSK	503700	2518.5	23.47	-3.04	20.43	110.41	2
	518598	2592.99	23.61	-3.04	20.57	114.02	2
	533496	2667.48	23.65	-3.04	20.61	115.08	2
40M-QPSK	503202	2516.01	23.33	-3.04	20.29	106.91	2
	518598	2592.99	23.42	-3.04	20.38	109.14	2
	534000	2670	23.38	-3.04	20.34	108.14	2
35M-QPSK	502704	2513.52	23.38	-3.04	20.34	108.14	2
	518598	2592.99	23.36	-3.04	20.32	107.65	2
	534498	2672.49	23.20	-3.04	20.16	103.75	2
30M-QPSK	502200	2511	23.36	-3.04	20.32	107.65	2
	518598	2592.99	23.54	-3.04	20.50	112.20	2
	534996	2674.98	23.44	-3.04	20.40	109.65	2
25M-QPSK	501702	2508.51	23.29	-3.04	20.25	105.93	2
	518598	2592.99	23.55	-3.04	20.51	112.46	2
	535500	2677.5	23.33	-3.04	20.29	106.91	2
20M-QPSK	501204	2506.02	23.80	-3.04	20.76	119.12	2
	518598	2592.99	23.75	-3.04	20.71	117.76	2



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
	535998	2679.99	23.53	-3.04	20.49	111.94	2
15M-QPSK	501204	2506.02	23.52	-3.04	20.48	111.69	2
	518598	2592.99	23.55	-3.04	20.51	112.46	2
	535998	2679.99	23.50	-3.04	20.46	111.17	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	501204	2506.02	23.60	-3.04	20.56	113.76	2
	518598	2592.99	23.43	-3.04	20.39	109.40	2
	535998	2679.99	23.29	-3.04	20.25	105.93	2



n41 (SCS 30kHz)_Ant2

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	509202	2546.01	25.02	-1.55	23.47	222.33	2
	518598	2592.99	24.74	-1.55	23.19	208.45	2
	528000	2640	24.67	-1.55	23.12	205.12	2
100M- QPSK	509202	2546.01	25.05	-1.55	23.50	223.87	2
	518598	2592.99	24.75	-1.55	23.20	208.93	2
	528000	2640	24.71	-1.55	23.16	207.01	2
100M- 16QAM	509202	2546.01	24.09	-1.55	22.54	179.47	2
	518598	2592.99	23.75	-1.55	22.20	165.96	2
	528000	2640	23.76	-1.55	22.21	166.34	2
100M- 64QAM	509202	2546.01	22.18	-1.55	20.63	115.61	2
	518598	2592.99	21.82	-1.55	20.27	106.41	2
	528000	2640	21.85	-1.55	20.30	107.15	2
100M- 256QAM	509202	2546.01	20.15	-1.55	18.60	72.44	2
	518598	2592.99	19.78	-1.55	18.23	66.53	2
	528000	2640	19.67	-1.55	18.12	64.86	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	508200	2541	24.87	-1.55	23.32	214.78	2
	518598	2592.99	24.89	-1.55	23.34	215.77	2
	528996	2644.98	24.90	-1.55	23.35	216.27	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	507204	2536.02	24.84	-1.55	23.29	213.30	2
	518598	2592.99	24.67	-1.55	23.12	205.12	2
	529998	2649.99	24.65	-1.55	23.10	204.17	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	506202	2531.01	24.88	-1.55	23.33	215.28	2
	518598	2592.99	24.68	-1.55	23.13	205.59	2
	531000	2655	24.71	-1.55	23.16	207.01	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	505200	2526	24.96	-1.55	23.41	219.28	2
	518598	2592.99	24.85	-1.55	23.30	213.80	2
	531996	2659.98	24.61	-1.55	23.06	202.30	2



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	504204	2521.02	24.95	-1.55	23.40	218.78	2
	518598	2592.99	24.86	-1.55	23.31	214.29	2
	532998	2664.99	24.72	-1.55	23.17	207.49	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
45M-QPSK	503700	2518.5	24.90	-1.55	23.35	216.27	2
	518598	2592.99	24.61	-1.55	23.06	202.30	2
	533496	2667.48	24.59	-1.55	23.04	201.37	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	503202	2516.01	24.80	-1.55	23.25	211.35	2
	518598	2592.99	24.67	-1.55	23.12	205.12	2
	534000	2670	24.69	-1.55	23.14	206.06	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	502704	2513.52	24.61	-1.55	23.06	202.30	2
	518598	2592.99	24.58	-1.55	23.03	200.91	2
	534498	2672.49	24.40	-1.55	22.85	192.75	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	502200	2511	24.83	-1.55	23.28	212.81	2
	518598	2592.99	24.73	-1.55	23.18	207.97	2
	534996	2674.98	24.78	-1.55	23.23	210.38	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	501702	2508.51	24.94	-1.55	23.39	218.27	2
	518598	2592.99	24.68	-1.55	23.13	205.59	2
	535500	2677.5	24.58	-1.55	23.03	200.91	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	501204	2506.02	24.86	-1.55	23.31	214.29	2
	518598	2592.99	24.69	-1.55	23.14	206.06	2
	535998	2679.99	24.74	-1.55	23.19	208.45	2



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	501204	2506.02	24.86	-1.55	23.31	214.29	2
	518598	2592.99	24.62	-1.55	23.07	202.77	2
	535998	2679.99	24.51	-1.55	22.96	197.70	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	501204	2506.02	24.88	-1.55	23.33	215.28	2
	518598	2592.99	24.80	-1.55	23.25	211.35	2
	535998	2679.99	24.76	-1.55	23.21	209.41	2



n41 (SCS 30kHz)_Ant3

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	509202	2546.01	25.28	-2.72	22.56	180.30	2
	518598	2592.99	25.20	-2.72	22.48	177.01	2
	528000	2640	25.03	-2.72	22.31	170.22	2
100M- QPSK	509202	2546.01	25.30	-2.72	22.58	181.13	2
	518598	2592.99	25.35	-2.72	22.63	183.23	2
	528000	2640	25.05	-2.72	22.33	171.00	2
100M- 16QAM	509202	2546.01	24.26	-2.72	21.54	142.56	2
	518598	2592.99	24.44	-2.72	21.72	148.59	2
	528000	2640	23.94	-2.72	21.22	132.43	2
100M- 64QAM	509202	2546.01	22.37	-2.72	19.65	92.26	2
	518598	2592.99	22.62	-2.72	19.90	97.72	2
	528000	2640	22.42	-2.72	19.70	93.33	2
100M- 256QAM	509202	2546.01	20.33	-2.72	17.61	57.68	2
	518598	2592.99	20.40	-2.72	17.68	58.61	2
	528000	2640	20.15	-2.72	17.43	55.34	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	508200	2541	25.03	-2.72	22.31	170.22	2
	518598	2592.99	25.32	-2.72	22.60	181.97	2
	528996	2644.98	24.96	-2.72	22.24	167.49	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	507204	2536.02	25.09	-2.72	22.37	172.58	2
	518598	2592.99	25.25	-2.72	22.53	179.06	2
	529998	2649.99	24.93	-2.72	22.21	166.34	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	506202	2531.01	24.98	-2.72	22.26	168.27	2
	518598	2592.99	25.23	-2.72	22.51	178.24	2
	531000	2655	24.89	-2.72	22.17	164.82	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	505200	2526	24.89	-2.72	22.17	164.82	2
	518598	2592.99	25.27	-2.72	22.55	179.89	2
	531996	2659.98	24.78	-2.72	22.06	160.69	2



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	504204	2521.02	24.96	-2.72	22.24	167.49	2
	518598	2592.99	25.30	-2.72	22.58	181.13	2
	532998	2664.99	24.83	-2.72	22.11	162.55	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
45M-QPSK	503700	2518.5	24.88	-2.72	22.16	164.44	2
	518598	2592.99	24.85	-2.72	22.13	163.31	2
	533496	2667.48	24.61	-2.72	21.89	154.53	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	503202	2516.01	25.03	-2.72	22.31	170.22	2
	518598	2592.99	25.22	-2.72	22.50	177.83	2
	534000	2670	24.98	-2.72	22.26	168.27	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	502704	2513.52	25.08	-2.72	22.36	172.19	2
	518598	2592.99	24.96	-2.72	22.24	167.49	2
	534498	2672.49	24.63	-2.72	21.91	155.24	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	502200	2511	25.11	-2.72	22.39	173.38	2
	518598	2592.99	25.20	-2.72	22.48	177.01	2
	534996	2674.98	24.97	-2.72	22.25	167.88	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	501702	2508.51	25.02	-2.72	22.30	169.82	2
	518598	2592.99	25.11	-2.72	22.39	173.38	2
	535500	2677.5	24.62	-2.72	21.90	154.88	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	501204	2506.02	24.88	-2.72	22.16	164.44	2
	518598	2592.99	25.21	-2.72	22.49	177.42	2
	535998	2679.99	24.83	-2.72	22.11	162.55	2



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	501204	2506.02	25.26	-2.72	22.54	179.47	2
	518598	2592.99	25.17	-2.72	22.45	175.79	2
	535998	2679.99	25.01	-2.72	22.29	169.43	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	501204	2506.02	24.96	-2.72	22.24	167.49	2
	518598	2592.99	25.16	-2.72	22.44	175.39	2
	535998	2679.99	24.79	-2.72	22.07	161.06	2



n41 (SCS 30kHz)_Ant4

n41 (SCS 30kHz)_Ant3							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	509202	2546.01	25.19	0.09	25.28	337.29	2
	518598	2592.99	25.08	0.09	25.17	328.85	2
	528000	2640	24.88	0.09	24.97	314.05	2
100M-QPSK	509202	2546.01	25.23	0.09	25.32	340.41	2
	518598	2592.99	25.01	0.09	25.10	323.59	2
	528000	2640	24.86	0.09	24.95	312.61	2
100M-16QAM	509202	2546.01	24.14	0.09	24.23	264.85	2
	518598	2592.99	24.06	0.09	24.15	260.02	2
	528000	2640	23.89	0.09	23.98	250.03	2
100M-64QAM	509202	2546.01	22.54	0.09	22.63	183.23	2
	518598	2592.99	22.19	0.09	22.28	169.04	2
	528000	2640	22.17	0.09	22.26	168.27	2
100M-256QAM	509202	2546.01	20.28	0.09	20.37	108.89	2
	518598	2592.99	20.12	0.09	20.21	104.95	2
	528000	2640	20.01	0.09	20.10	102.33	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	508200	2541	25.12	0.09	25.21	331.89	2
	518598	2592.99	24.96	0.09	25.05	319.89	2
	528996	2644.98	25.01	0.09	25.10	323.59	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	507204	2536.02	25.21	0.09	25.30	338.84	2
	518598	2592.99	24.96	0.09	25.05	319.89	2
	529998	2649.99	25.03	0.09	25.12	325.09	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	506202	2531.01	25.13	0.09	25.22	332.66	2
	518598	2592.99	24.96	0.09	25.05	319.89	2
	531000	2655	24.87	0.09	24.96	313.33	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	505200	2526	25.03	0.09	25.12	325.09	2
	518598	2592.99	24.86	0.09	24.95	312.61	2
	531996	2659.98	24.76	0.09	24.85	305.49	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	504204	2521.02	25.15	0.09	25.24	334.20	2
	518598	2592.99	24.95	0.09	25.04	319.15	2
	532998	2664.99	24.83	0.09	24.92	310.46	2

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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
45M-QPSK	503700	2518.5	25.07	0.09	25.16	328.10	2
	518598	2592.99	24.95	0.09	25.04	319.15	2
	533496	2667.48	24.84	0.09	24.93	311.17	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	503202	2516.01	25.06	0.09	25.15	327.34	2
	518598	2592.99	24.75	0.09	24.84	304.79	2
	534000	2670	24.84	0.09	24.93	311.17	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	502704	2513.52	25.17	0.09	25.26	335.74	2
	518598	2592.99	24.93	0.09	25.02	317.69	2
	534498	2672.49	24.68	0.09	24.77	299.92	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	502200	2511	25.09	0.09	25.18	329.61	2
	518598	2592.99	24.82	0.09	24.91	309.74	2
	534996	2674.98	24.79	0.09	24.88	307.61	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	501702	2508.51	25.15	0.09	25.24	334.20	2
	518598	2592.99	25.03	0.09	25.12	325.09	2
	535500	2677.5	24.74	0.09	24.83	304.09	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	501204	2506.02	25.19	0.09	25.28	337.29	2
	518598	2592.99	24.92	0.09	25.01	316.96	2
	535998	2679.99	24.97	0.09	25.06	320.63	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	501204	2506.02	25.08	0.09	25.17	328.85	2
	518598	2592.99	24.82	0.09	24.91	309.74	2
	535998	2679.99	24.72	0.09	24.81	302.69	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	501204	2506.02	25.18	0.09	25.27	336.51	2
	518598	2592.99	25.01	0.09	25.10	323.59	2
	535998	2679.99	24.69	0.09	24.78	300.61	2



n66 (SCS 15kHz)_Ant0

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
45M-Pi/2 BPSK	346500	1732.5	23.11	-3.23	19.88	97.27	1
	349000	1745	23.13	-3.23	19.90	97.72	1
	351500	1757.5	23.19	-3.23	19.96	99.08	1
45M-QPSK	346500	1732.5	23.15	-3.23	19.92	98.17	1
	349000	1745	23.20	-3.23	19.97	99.31	1
	351500	1757.5	23.25	-3.23	20.02	100.46	1
45M- 16QAM	346500	1732.5	22.33	-3.23	19.10	81.28	1
	349000	1745	22.35	-3.23	19.12	81.66	1
	351500	1757.5	22.38	-3.23	19.15	82.22	1
45M- 64QAM	346500	1732.5	20.17	-3.23	16.94	49.43	1
	349000	1745	20.15	-3.23	16.92	49.20	1
	351500	1757.5	20.23	-3.23	17.00	50.12	1
45M- 256QAM	346500	1732.5	18.68	-3.23	15.45	35.08	1
	349000	1745	18.72	-3.23	15.49	35.40	1
	351500	1757.5	18.77	-3.23	15.54	35.81	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	346000	1730	23.13	-3.23	19.90	97.72	1
	349000	1745	22.99	-3.23	19.76	94.62	1
	352000	1760	23.12	-3.23	19.89	97.50	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	345500	1727.5	23.08	-3.23	19.85	96.61	1
	349000	1745	23.10	-3.23	19.87	97.05	1
	352500	1762.5	23.11	-3.23	19.88	97.27	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	345000	1725	22.89	-3.23	19.66	92.47	1
	349000	1745	22.97	-3.23	19.74	94.19	1
	353000	1765	23.13	-3.23	19.90	97.72	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	344500	1722.5	23.06	-3.23	19.83	96.16	1
	349000	1745	23.01	-3.23	19.78	95.06	1
	353500	1767.5	23.15	-3.23	19.92	98.17	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	344000	1720	23.11	-3.23	19.88	97.27	1
	349000	1745	23.09	-3.23	19.86	96.83	1
	354000	1770	23.19	-3.23	19.96	99.08	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	343500	1717.5	23.16	-3.23	19.93	98.40	1
	349000	1745	23.09	-3.23	19.86	96.83	1
	354500	1772.5	23.11	-3.23	19.88	97.27	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	343000	1715	22.96	-3.23	19.73	93.97	1
	349000	1745	23.02	-3.23	19.79	95.28	1
	355000	1775	23.19	-3.23	19.96	99.08	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	342500	1712.5	22.83	-3.23	19.60	91.20	1
	349000	1745	22.86	-3.23	19.63	91.83	1
	355500	1777.5	22.99	-3.23	19.76	94.62	1



n66 (SCS 15kHz)_Ant2

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
45M-Pi/2 BPSK	346500	1732.5	24.04	-1.08	22.96	197.70	1
	349000	1745	24.17	-1.08	23.09	203.70	1
	351500	1757.5	24.13	-1.08	23.05	201.84	1
45M-QPSK	346500	1732.5	24.28	-1.08	23.20	208.93	1
	349000	1745	24.25	-1.08	23.17	207.49	1
	351500	1757.5	24.21	-1.08	23.13	205.59	1
45M- 16QAM	346500	1732.5	23.28	-1.08	22.20	165.96	1
	349000	1745	23.36	-1.08	22.28	169.04	1
	351500	1757.5	23.27	-1.08	22.19	165.58	1
45M- 64QAM	346500	1732.5	21.20	-1.08	20.12	102.80	1
	349000	1745	21.22	-1.08	20.14	103.28	1
	351500	1757.5	21.10	-1.08	20.02	100.46	1
45M- 256QAM	346500	1732.5	19.76	-1.08	18.68	73.79	1
	349000	1745	19.85	-1.08	18.77	75.34	1
	351500	1757.5	19.77	-1.08	18.69	73.96	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	346000	1730	24.25	-1.08	23.17	207.49	1
	349000	1745	24.19	-1.08	23.11	204.64	1
	352000	1760	24.16	-1.08	23.08	203.24	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	345500	1727.5	24.22	-1.08	23.14	206.06	1
	349000	1745	24.16	-1.08	23.08	203.24	1
	352500	1762.5	24.21	-1.08	23.13	205.59	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	21	20.75	24.20	-1.08	23.12	205.12	1
	349000	1745	24.03	-1.08	22.95	197.24	1
	20.72	20.71	24.01	-1.08	22.93	196.34	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	21	1722.5	24.16	-1.08	23.08	203.24	1
	349000	1745	24.09	-1.08	23.01	199.99	1
	20.72	1767.5	24.06	-1.08	22.98	198.61	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	344000	1720	24.13	-1.08	23.05	201.84	1
	349000	1745	23.99	-1.08	22.91	195.43	1
	354000	1770	24.03	-1.08	22.95	197.24	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	343500	1717.5	24.19	-1.08	23.11	204.64	1
	349000	1745	24.13	-1.08	23.05	201.84	1
	354500	1772.5	24.16	-1.08	23.08	203.24	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	343000	1715	24.09	-1.08	23.01	199.99	1
	349000	1745	24.13	-1.08	23.05	201.84	1
	355000	1775	24.18	-1.08	23.10	204.17	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	342500	1712.5	24.23	-1.08	23.15	206.54	1
	349000	1745	24.19	-1.08	23.11	204.64	1
	355500	1777.5	24.25	-1.08	23.17	207.49	1



n66 (SCS 15kHz)_Ant3

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
45M-Pi/2 BPSK	346500	1732.5	24.27	-2.08	22.19	165.58	1
	349000	1745	24.21	-2.08	22.13	163.31	1
	351500	1757.5	24.21	-2.08	22.13	163.31	1
45M-QPSK	346500	1732.5	24.34	-2.08	22.26	168.27	1
	349000	1745	24.38	-2.08	22.30	169.82	1
	351500	1757.5	24.32	-2.08	22.24	167.49	1
45M-16QAM	346500	1732.5	23.44	-2.08	21.36	136.77	1
	349000	1745	23.37	-2.08	21.29	134.59	1
	351500	1757.5	23.30	-2.08	21.22	132.43	1
45M-64QAM	346500	1732.5	21.30	-2.08	19.22	83.56	1
	349000	1745	21.17	-2.08	19.09	81.10	1
	351500	1757.5	21.19	-2.08	19.11	81.47	1
45M-256QAM	346500	1732.5	19.92	-2.08	17.84	60.81	1
	349000	1745	19.77	-2.08	17.69	58.75	1
	351500	1757.5	19.80	-2.08	17.72	59.16	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	346000	1730	24.26	-2.08	22.18	165.20	1
	349000	1745	24.31	-2.08	22.23	167.11	1
	352000	1760	24.28	-2.08	22.20	165.96	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	345500	1727.5	24.29	-2.08	22.21	166.34	1
	349000	1745	24.37	-2.08	22.29	169.43	1
	352500	1762.5	24.21	-2.08	22.13	163.31	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	345000	1725	24.21	-2.08	22.13	163.31	1
	349000	1745	24.32	-2.08	22.24	167.49	1
	353000	1765	24.22	-2.08	22.14	163.68	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	344500	1722.5	24.26	-2.08	22.18	165.20	1
	349000	1745	24.33	-2.08	22.25	167.88	1
	353500	1767.5	24.27	-2.08	22.19	165.58	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	344000	1720	24.28	-2.08	22.20	165.96	1
	349000	1745	24.29	-2.08	22.21	166.34	1
	354000	1770	24.18	-2.08	22.10	162.18	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	343500	1717.5	24.29	-2.08	22.21	166.34	1
	349000	1745	24.28	-2.08	22.20	165.96	1
	354500	1772.5	24.16	-2.08	22.08	161.44	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	343000	1715	24.21	-2.08	22.13	163.31	1
	349000	1745	24.30	-2.08	22.22	166.72	1
	355000	1775	24.29	-2.08	22.21	166.34	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	342500	1712.5	24.19	-2.08	22.11	162.55	1
	349000	1745	24.31	-2.08	22.23	167.11	1
	355500	1777.5	24.30	-2.08	22.22	166.72	1



n66 (SCS 15kHz)_Ant4

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
45M-Pi/2 BPSK	346500	1732.5	23.65	-3.07	20.58	114.29	1
	349000	1745	23.68	-3.07	20.61	115.08	1
	351500	1757.5	23.70	-3.07	20.63	115.61	1
45M-QPSK	346500	1732.5	23.71	-3.07	20.64	115.88	1
	349000	1745	23.83	-3.07	20.76	119.12	1
	351500	1757.5	23.72	-3.07	20.65	116.14	1
45M- 16QAM	346500	1732.5	22.84	-3.07	19.77	94.84	1
	349000	1745	22.82	-3.07	19.75	94.41	1
	351500	1757.5	22.88	-3.07	19.81	95.72	1
45M- 64QAM	346500	1732.5	21.03	-3.07	17.96	62.52	1
	349000	1745	21.11	-3.07	18.04	63.68	1
	351500	1757.5	21.26	-3.07	18.19	65.92	1
45M- 256QAM	346500	1732.5	19.17	-3.07	16.10	40.74	1
	349000	1745	19.27	-3.07	16.20	41.69	1
	351500	1757.5	19.32	-3.07	16.25	42.17	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	346000	1730	23.68	-3.07	20.61	115.08	1
	349000	1745	23.75	-3.07	20.68	116.95	1
	352000	1760	23.68	-3.07	20.61	115.08	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
35M-QPSK	345500	1727.5	23.61	-3.07	20.54	113.24	1
	349000	1745	23.76	-3.07	20.69	117.22	1
	352500	1762.5	23.58	-3.07	20.51	112.46	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	345000	1725	23.69	-3.07	20.62	115.35	1
	349000	1745	23.80	-3.07	20.73	118.30	1
	353000	1765	23.65	-3.07	20.58	114.29	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	344500	1722.5	23.68	-3.07	20.61	115.08	1
	349000	1745	23.81	-3.07	20.74	118.58	1
	353500	1767.5	23.56	-3.07	20.49	111.94	1



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	344000	1720	23.75	-3.07	20.68	116.95	1
	349000	1745	23.79	-3.07	20.72	118.03	1
	354000	1770	23.55	-3.07	20.48	111.69	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	343500	1717.5	23.70	-3.07	20.63	115.61	1
	349000	1745	23.77	-3.07	20.70	117.49	1
	354500	1772.5	23.69	-3.07	20.62	115.35	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	343000	1715	23.65	-3.07	20.58	114.29	1
	349000	1745	23.70	-3.07	20.63	115.61	1
	355000	1775	23.62	-3.07	20.55	113.50	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	342500	1712.5	23.72	-3.07	20.65	116.14	1
	349000	1745	23.81	-3.07	20.74	118.58	1
	355500	1777.5	23.72	-3.07	20.65	116.14	1



Part27Q_n77 (SCS 30kHz)_Ant1

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	23.56	-0.73	22.83	191.87	1
100M- QPSK	633334	3500	23.59	-0.73	22.86	193.20	1
100M- 16QAM	633334	3500	23.28	-0.73	22.55	179.89	1
100M- 64QAM	633334	3500	23.18	-0.73	22.45	175.79	1
100M- 256QAM	633334	3500	21.54	-0.73	20.81	120.50	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	23.43	-0.73	22.70	186.21	1
	633334	3500.01	23.44	-0.73	22.71	186.64	1
	633666	3504.99	23.46	-0.73	22.73	187.50	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	23.41	-0.73	22.68	185.35	1
	633334	3500.01	23.47	-0.73	22.74	187.93	1
	634000	3510	23.38	-0.73	22.65	184.08	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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70M-QPSK	632334	3485.01	23.52	-0.73	22.79	190.11	1
	633334	3500.01	23.45	-0.73	22.72	187.07	1
	634332	3514.98	23.53	-0.73	22.80	190.55	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	23.41	-0.73	22.68	185.35	1
	633334	3500.01	23.38	-0.73	22.65	184.08	1
	634666	3519.99	23.51	-0.73	22.78	189.67	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	23.49	-0.73	22.76	188.80	1
	24.28	3500.01	23.40	-0.73	22.67	184.93	1
	635000	3525	23.33	-0.73	22.60	181.97	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	23.32	-0.73	22.59	181.55	1
	633334	3500.01	23.43	-0.73	22.70	186.21	1
	635332	3529.98	23.34	-0.73	22.61	182.39	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	23.49	-0.73	22.76	188.80	1
	633334	3500.01	23.45	-0.73	22.72	187.07	1
	635666	3534.99	23.51	-0.73	22.78	189.67	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	23.53	-0.73	22.80	190.55	1
	633334	3500.01	23.47	-0.73	22.74	187.93	1
	635832	3537.48	23.51	-0.73	22.78	189.67	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	23.42	-0.73	22.69	185.78	1
	633334	3500.01	23.46	-0.73	22.73	187.50	1
	636000	3540	23.41	-0.73	22.68	185.35	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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15M-QPSK	630500	3457.5	23.38	-0.73	22.65	184.08	1
	633334	3500.01	23.40	-0.73	22.67	184.93	1
	636166	3542.49	23.35	-0.73	22.62	182.81	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	23.44	-0.73	22.71	186.64	1
	633334	3500.01	23.38	-0.73	22.65	184.08	1
	636332	3544.98	23.42	-0.73	22.69	185.78	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	650000	3750	23.18	-0.73	22.45	175.79	1
	656000	3840	23.56	-0.73	22.83	191.87	1
	662000	3930	23.46	-0.73	22.73	187.50	1
100M-QPSK	650000	3750	23.14	-0.73	22.41	174.18	1
	656000	3840	23.57	-0.73	22.84	192.31	1
	662000	3930	23.49	-0.73	22.76	188.80	1
100M-16QAM	650000	3750	23.29	-0.73	22.56	180.30	1
	656000	3840	23.22	-0.73	22.49	177.42	1
	662000	3930	23.26	-0.73	22.53	179.06	1
100M-64QAM	650000	3750	22.85	-0.73	22.12	162.93	1
	656000	3840	23.07	-0.73	22.34	171.40	1
	662000	3930	23.02	-0.73	22.29	169.43	1
100M-256QAM	650000	3750	21.28	-0.73	20.55	113.50	1
	656000	3840	21.44	-0.73	20.71	117.76	1
	662000	3930	21.54	-0.73	20.81	120.50	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	649668	3745.02	23.17	-0.73	22.44	175.39	1
	656000	3840	23.53	-0.73	22.80	190.55	1
	662332	3934.98	23.34	-0.73	22.61	182.39	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	649334	3740.01	23.06	-0.73	22.33	171.00	1
	656000	3840	23.34	-0.73	22.61	182.39	1
	662666	3939.99	23.38	-0.73	22.65	184.08	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	649000	3735	23.11	-0.73	22.38	172.98	1
	656000	3840	23.41	-0.73	22.68	185.35	1
	663000	3945	23.19	-0.73	22.46	176.20	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	648668	3730.02	23.09	-0.73	22.36	172.19	1
	656000	3840	23.38	-0.73	22.65	184.08	1
	663332	3949.98	23.33	-0.73	22.60	181.97	1



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	648334	3725.01	23.21	-0.73	22.48	177.01	1
	656000	3840	23.11	-0.73	22.38	172.98	1
	663666	3954.99	23.16	-0.73	22.43	174.98	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	648000	3720	23.13	-0.73	22.40	173.78	1
	656000	3840	23.50	-0.73	22.77	189.23	1
	664000	3960	23.34	-0.73	22.61	182.39	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	647668	3715.02	23.10	-0.73	22.37	172.58	1
	656000	3840	23.38	-0.73	22.65	184.08	1
	664332	3964.98	23.37	-0.73	22.64	183.65	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	647500	3712.5	23.17	-0.73	22.44	175.39	1
	656000	3840	23.19	-0.73	22.46	176.20	1
	664500	3967.5	23.13	-0.73	22.40	173.78	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	647334	3710.01	23.23	-0.73	22.50	177.83	1
	656000	3840	23.12	-0.73	22.39	173.38	1
	664666	3969.99	23.15	-0.73	22.42	174.58	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	647168	3707.52	23.12	-0.73	22.39	173.38	1
	656000	3840	23.50	-0.73	22.77	189.23	1
	664832	3972.48	23.39	-0.73	22.66	184.50	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	647000	3705	23.15	-0.73	22.42	174.58	1
	656000	3840	23.12	-0.73	22.39	173.38	1
	665000	3975	23.22	-0.73	22.49	177.42	1



Part27Q_n77 (SCS 30kHz)_Ant1(HPUE)

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	25.45	-0.73	24.72	296.48	1
100M- QPSK	633334	3500	25.49	-0.73	24.76	299.23	1
100M- 16QAM	633334	3500	24.52	-0.73	23.79	239.33	1
100M- 64QAM	633334	3500	22.66	-0.73	21.93	155.96	1
100M- 256QAM	633334	3500	20.53	-0.73	19.80	95.50	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	25.35	-0.73	24.62	289.73	1
	633334	3500.01	25.40	-0.73	24.67	293.09	1
	633666	3504.99	25.31	-0.73	24.58	287.08	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	25.32	-0.73	24.59	287.74	1
	633334	3500.01	25.33	-0.73	24.60	288.40	1
	634000	3510	25.30	-0.73	24.57	286.42	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



			(dBm)				
70M-QPSK	632334	3485.01	25.36	-0.73	24.63	290.40	1
	633334	3500.01	25.46	-0.73	24.73	297.17	1
	634332	3514.98	25.37	-0.73	24.64	291.07	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	25.33	-0.73	24.60	288.40	1
	633334	3500.01	25.44	-0.73	24.71	295.80	1
	634666	3519.99	25.35	-0.73	24.62	289.73	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	25.29	-0.73	24.56	285.76	1
	24.28	3500.01	25.43	-0.73	24.70	295.12	1
	635000	3525	25.34	-0.73	24.61	289.07	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	25.41	-0.73	24.68	293.76	1
	633334	3500.01	25.36	-0.73	24.63	290.40	1
	635332	3529.98	25.33	-0.73	24.60	288.40	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	25.26	-0.73	24.53	283.79	1
	633334	3500.01	25.28	-0.73	24.55	285.10	1
	635666	3534.99	25.22	-0.73	24.49	281.19	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	25.18	-0.73	24.45	278.61	1
	633334	3500.01	25.32	-0.73	24.59	287.74	1
	635832	3537.48	25.27	-0.73	24.54	284.45	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	25.41	-0.73	24.68	293.76	1
	633334	3500.01	25.46	-0.73	24.73	297.17	1
	636000	3540	25.45	-0.73	24.72	296.48	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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			(dBm)				
15M-QPSK	630500	3457.5	25.37	-0.73	24.64	291.07	1
	633334	3500.01	25.24	-0.73	24.51	282.49	1
	636166	3542.49	25.33	-0.73	24.60	288.40	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	25.26	-0.73	24.53	283.79	1
	633334	3500.01	25.39	-0.73	24.66	292.21	1
	636332	3544.98	25.37	-0.73	24.64	291.07	1



Part270_n77 (SCS 30kHz)_Ant1(HPUE)

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	650000	3750	25.42	-0.73	24.69	294.44	1
	656000	3840	25.60	-0.73	24.87	306.90	1
	662000	3930	25.52	-0.73	24.79	301.30	1
100M- QPSK	650000	3750	25.42	-0.73	24.69	294.44	1
	656000	3840	25.61	-0.73	24.88	307.61	1
	662000	3930	25.49	-0.73	24.76	299.23	1
100M- 16QAM	650000	3750	24.51	-0.73	23.78	238.78	1
	656000	3840	24.62	-0.73	23.89	244.91	1
	662000	3930	24.52	-0.73	23.79	239.33	1
100M- 64QAM	650000	3750	22.65	-0.73	21.92	155.60	1
	656000	3840	22.73	-0.73	22.00	158.49	1
	662000	3930	22.69	-0.73	21.96	157.04	1
100M- 256QAM	650000	3750	20.52	-0.73	19.79	95.28	1
	656000	3840	20.66	-0.73	19.93	98.40	1
	662000	3930	20.55	-0.73	19.82	95.94	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	649668	3745.02	25.46	-0.73	24.73	297.17	1
	656000	3840	25.59	-0.73	24.86	306.20	1
	662332	3934.98	25.48	-0.73	24.75	298.54	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	649334	3740.01	25.42	-0.73	24.69	294.44	1
	656000	3840	25.56	-0.73	24.83	304.09	1
	662666	3939.99	25.33	-0.73	24.60	288.40	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	649000	3735	25.32	-0.73	24.59	287.74	1
	656000	3840	25.49	-0.73	24.76	299.23	1
	663000	3945	25.46	-0.73	24.73	297.17	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	648668	3730.02	25.31	-0.73	24.58	287.08	1
	656000	3840	25.52	-0.73	24.79	301.30	1
	663332	3949.98	25.46	-0.73	24.73	297.17	1



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	648334	3725.01	25.36	-0.73	24.63	290.40	1
	656000	3840	25.58	-0.73	24.85	305.49	1
	663666	3954.99	25.39	-0.73	24.66	292.42	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	648000	3720	25.39	-0.73	24.66	292.42	1
	656000	3840	25.59	-0.73	24.86	306.20	1
	664000	3960	25.47	-0.73	24.74	297.85	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	647668	3715.02	25.45	-0.73	24.72	296.48	1
	656000	3840	25.57	-0.73	24.84	304.79	1
	664332	3964.98	25.36	-0.73	24.63	290.40	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	647500	3712.5	25.31	-0.73	24.58	287.08	1
	656000	3840	25.36	-0.73	24.63	290.40	1
	664500	3967.5	25.51	-0.73	24.78	300.61	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	647334	3710.01	25.23	-0.73	24.50	281.84	1
	656000	3840	25.48	-0.73	24.75	298.54	1
	664666	3969.99	25.37	-0.73	24.64	291.07	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	647168	3707.52	25.43	-0.73	24.70	295.12	1
	656000	3840	25.32	-0.73	24.59	287.74	1
	664832	3972.48	25.39	-0.73	24.66	292.42	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	647000	3705	25.29	-0.73	24.56	285.76	1
	656000	3840	25.50	-0.73	24.77	299.92	1
	665000	3975	25.40	-0.73	24.67	293.09	1



Part27Q_n77 (SCS 30kHz)_Ant2

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	25.42	-1.2	24.22	264.24	1
100M- QPSK	633334	3500	25.47	-1.2	24.27	267.30	1
100M- 16QAM	633334	3500	25.32	-1.2	24.12	258.23	1
100M- 64QAM	633334	3500	25.10	-1.2	23.90	245.47	1
100M- 256QAM	633334	3500	23.57	-1.2	22.37	172.58	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	25.26	-1.2	24.06	254.68	1
	633334	3500.01	25.23	-1.2	24.03	252.93	1
	633666	3504.99	25.23	-1.2	24.03	252.93	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	25.23	-1.2	24.03	252.93	1
	633334	3500.01	25.25	-1.2	24.05	254.10	1
	634000	3510	25.19	-1.2	23.99	250.61	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



			(dBm)				
70M-QPSK	632334	3485.01	25.32	-1.2	24.12	258.23	1
	633334	3500.01	25.14	-1.2	23.94	247.74	1
	634332	3514.98	25.20	-1.2	24.00	251.19	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	25.31	-1.2	24.11	257.63	1
	633334	3500.01	25.23	-1.2	24.03	252.93	1
	634666	3519.99	25.26	-1.2	24.06	254.68	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	25.24	-1.2	24.04	253.51	1
	24.28	3500.01	25.18	-1.2	23.98	250.03	1
	635000	3525	25.27	-1.2	24.07	255.27	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	25.29	-1.2	24.09	256.45	1
	633334	3500.01	25.36	-1.2	24.16	260.62	1
	635332	3529.98	25.23	-1.2	24.03	252.93	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	25.23	-1.2	24.03	252.93	1
	633334	3500.01	25.20	-1.2	24.00	251.19	1
	635666	3534.99	25.17	-1.2	23.97	249.46	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	25.15	-1.2	23.95	248.31	1
	633334	3500.01	25.40	-1.2	24.20	263.03	1
	635832	3537.48	25.17	-1.2	23.97	249.46	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	25.18	-1.2	23.98	250.03	1
	633334	3500.01	25.14	-1.2	23.94	247.74	1
	636000	3540	25.20	-1.2	24.00	251.19	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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			(dBm)				
15M-QPSK	630500	3457.5	25.20	-1.2	24.00	251.19	1
	633334	3500.01	25.27	-1.2	24.07	255.27	1
	636166	3542.49	25.18	-1.2	23.98	250.03	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	25.26	-1.2	24.06	254.68	1
	633334	3500.01	25.31	-1.2	24.11	257.63	1
	636332	3544.98	25.37	-1.2	24.17	261.22	1



Part270_n77 (SCS 30kHz)_Ant2

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	650000	3750	25.03	-1.2	23.83	241.55	1
	656000	3840	25.31	-1.2	24.11	257.63	1
	662000	3930	25.34	-1.2	24.14	259.42	1
100M- QPSK	650000	3750	25.06	-1.2	23.86	243.22	1
	656000	3840	25.30	-1.2	24.10	257.04	1
	662000	3930	25.37	-1.2	24.17	261.22	1
100M- 16QAM	650000	3750	25.00	-1.2	23.80	239.88	1
	656000	3840	25.10	-1.2	23.90	245.47	1
	662000	3930	25.24	-1.2	24.04	253.51	1
100M- 64QAM	650000	3750	24.82	-1.2	23.62	230.14	1
	656000	3840	24.87	-1.2	23.67	232.81	1
	662000	3930	25.08	-1.2	23.88	244.34	1
100M- 256QAM	650000	3750	23.16	-1.2	21.96	157.04	1
	656000	3840	23.38	-1.2	22.18	165.20	1
	662000	3930	23.39	-1.2	22.19	165.58	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	649668	3745.02	24.76	-1.2	23.56	226.99	1
	656000	3840	25.17	-1.2	23.97	249.46	1
	662332	3934.98	25.32	-1.2	24.12	258.23	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	649334	3740.01	24.86	-1.2	23.66	232.27	1
	656000	3840	24.98	-1.2	23.78	238.78	1
	662666	3939.99	25.24	-1.2	24.04	253.51	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	649000	3735	24.98	-1.2	23.78	238.78	1
	656000	3840	25.07	-1.2	23.87	243.78	1
	663000	3945	25.21	-1.2	24.01	251.77	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	648668	3730.02	25.05	-1.2	23.85	242.66	1
	656000	3840	25.15	-1.2	23.95	248.31	1
	663332	3949.98	25.20	-1.2	24.00	251.19	1



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	648334	3725.01	24.91	-1.2	23.71	234.96	1
	656000	3840	25.02	-1.2	23.82	240.99	1
	663666	3954.99	25.22	-1.2	24.02	252.35	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	648000	3720	24.73	-1.2	23.53	225.42	1
	656000	3840	24.78	-1.2	23.58	228.03	1
	664000	3960	25.07	-1.2	23.87	243.78	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	647668	3715.02	24.80	-1.2	23.60	229.09	1
	656000	3840	25.06	-1.2	23.86	243.22	1
	664332	3964.98	25.08	-1.2	23.88	244.34	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	647500	3712.5	24.85	-1.2	23.65	231.74	1
	656000	3840	25.18	-1.2	23.98	250.03	1
	664500	3967.5	25.36	-1.2	24.16	260.62	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	647334	3710.01	24.94	-1.2	23.74	236.59	1
	656000	3840	25.14	-1.2	23.94	247.74	1
	664666	3969.99	25.27	-1.2	24.07	255.27	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	647168	3707.52	24.99	-1.2	23.79	239.33	1
	656000	3840	25.08	-1.2	23.88	244.34	1
	664832	3972.48	25.17	-1.2	23.97	249.46	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	647000	3705	24.92	-1.2	23.72	235.50	1
	656000	3840	25.14	-1.2	23.94	247.74	1
	665000	3975	25.23	-1.2	24.03	252.93	1



Part27Q_n77 (SCS 30kHz)_Ant2(HPUE)

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	27.15	-1.2	25.95	393.55	1
100M- QPSK	633334	3500	27.17	-1.2	25.97	395.37	1
100M- 16QAM	633334	3500	26.22	-1.2	25.02	317.69	1
100M- 64QAM	633334	3500	24.24	-1.2	23.04	201.37	1
100M- 256QAM	633334	3500	22.20	-1.2	21.00	125.89	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	26.93	-1.2	25.73	374.11	1
	633334	3500.01	27.02	-1.2	25.82	381.94	1
	633666	3504.99	26.91	-1.2	25.71	372.39	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	26.94	-1.2	25.74	374.97	1
	633334	3500.01	26.98	-1.2	25.78	378.44	1
	634000	3510	26.92	-1.2	25.72	373.25	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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			(dBm)				
70M-QPSK	632334	3485.01	26.98	-1.2	25.78	378.44	1
	633334	3500.01	27.08	-1.2	25.88	387.26	1
	634332	3514.98	27.01	-1.2	25.81	381.07	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	27.01	-1.2	25.81	381.07	1
	633334	3500.01	27.10	-1.2	25.90	389.05	1
	634666	3519.99	27.03	-1.2	25.83	382.82	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	27.02	-1.2	25.82	381.94	1
	24.28	3500.01	27.13	-1.2	25.93	391.74	1
	635000	3525	27.05	-1.2	25.85	384.59	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	26.95	-1.2	25.75	375.84	1
	633334	3500.01	26.97	-1.2	25.77	377.57	1
	635332	3529.98	26.98	-1.2	25.78	378.44	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	26.98	-1.2	25.78	378.44	1
	633334	3500.01	27.09	-1.2	25.89	388.15	1
	635666	3534.99	27.06	-1.2	25.86	385.48	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	26.74	-1.2	25.54	358.10	1
	633334	3500.01	26.81	-1.2	25.61	363.92	1
	635832	3537.48	26.78	-1.2	25.58	361.41	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	26.91	-1.2	25.71	372.39	1
	633334	3500.01	27.05	-1.2	25.85	384.59	1
	636000	3540	27.01	-1.2	25.81	381.07	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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			(dBm)				
15M-QPSK	630500	3457.5	26.75	-1.2	25.55	358.92	1
	633334	3500.01	26.93	-1.2	25.73	374.11	1
	636166	3542.49	26.87	-1.2	25.67	368.98	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	26.89	-1.2	25.69	370.68	1
	633334	3500.01	26.91	-1.2	25.71	372.39	1
	636332	3544.98	26.90	-1.2	25.70	371.54	1



Part270_n77 (SCS 30kHz)_Ant2(HPUE)

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	650000	3750	27.06	-1.2	25.86	385.48	1
	656000	3840	27.02	-1.2	25.82	381.94	1
	662000	3930	27.12	-1.2	25.92	390.84	1
100M- QPSK	650000	3750	27.15	-1.2	25.95	393.55	1
	656000	3840	27.34	-1.2	26.14	411.15	1
	662000	3930	27.31	-1.2	26.11	408.32	1
100M- 16QAM	650000	3750	26.25	-1.2	25.05	319.89	1
	656000	3840	26.21	-1.2	25.01	316.96	1
	662000	3930	26.27	-1.2	25.07	321.37	1
100M- 64QAM	650000	3750	24.25	-1.2	23.05	201.84	1
	656000	3840	24.20	-1.2	23.00	199.53	1
	662000	3930	24.26	-1.2	23.06	202.30	1
100M- 256QAM	650000	3750	22.09	-1.2	20.89	122.74	1
	656000	3840	22.05	-1.2	20.85	121.62	1
	662000	3930	22.11	-1.2	20.91	123.31	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	649668	3745.02	27.10	-1.2	25.90	389.05	1
	656000	3840	27.30	-1.2	26.10	407.38	1
	662332	3934.98	27.31	-1.2	26.11	408.32	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	649334	3740.01	27.09	-1.2	25.89	388.15	1
	656000	3840	27.26	-1.2	26.06	403.65	1
	662666	3939.99	27.32	-1.2	26.12	409.26	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	649000	3735	26.99	-1.2	25.79	379.31	1
	656000	3840	27.28	-1.2	26.08	405.51	1
	663000	3945	27.29	-1.2	26.09	406.44	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	648668	3730.02	27.01	-1.2	25.81	381.07	1
	656000	3840	27.31	-1.2	26.11	408.32	1
	663332	3949.98	27.22	-1.2	26.02	399.94	1



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	648334	3725.01	26.96	-1.2	25.76	376.70	1
	656000	3840	27.25	-1.2	26.05	402.72	1
	663666	3954.99	27.26	-1.2	26.06	403.65	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	648000	3720	26.97	-1.2	25.77	377.57	1
	656000	3840	27.19	-1.2	25.99	397.19	1
	664000	3960	27.33	-1.2	26.13	410.20	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	647668	3715.02	27.06	-1.2	25.86	385.48	1
	656000	3840	27.21	-1.2	26.01	399.02	1
	664332	3964.98	27.28	-1.2	26.08	405.51	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	647500	3712.5	26.56	-1.2	25.36	343.56	1
	656000	3840	26.74	-1.2	25.54	358.10	1
	664500	3967.5	27.10	-1.2	25.90	389.05	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	647334	3710.01	27.02	-1.2	25.82	381.94	1
	656000	3840	27.23	-1.2	26.03	400.87	1
	664666	3969.99	27.29	-1.2	26.09	405.98	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	647168	3707.52	27.08	-1.2	25.88	387.26	1
	656000	3840	26.89	-1.2	25.69	370.68	1
	664832	3972.48	26.96	-1.2	25.76	376.70	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	647000	3705	27.05	-1.2	25.85	384.59	1
	656000	3840	27.18	-1.2	25.98	396.28	1
	665000	3975	27.25	-1.2	26.05	402.72	1



Part27Q_n77 (SCS 30kHz)_Ant3

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	25.20	0.98	26.18	414.95	1
100M- QPSK	633334	3500	25.23	0.98	26.21	417.83	1
100M- 16QAM	633334	3500	25.03	0.98	26.01	399.02	1
100M- 64QAM	633334	3500	24.67	0.98	25.65	367.28	1
100M- 256QAM	633334	3500	23.09	0.98	24.07	255.27	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	25.18	0.98	26.16	413.05	1
	633334	3500.01	25.17	0.98	26.15	412.10	1
	633666	3504.99	25.07	0.98	26.05	402.72	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	25.17	0.98	26.15	412.10	1
	633334	3500.01	25.05	0.98	26.03	400.87	1
	634000	3510	25.10	0.98	26.08	405.51	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



			(dBm)				
70M-QPSK	632334	3485.01	25.21	0.98	26.19	415.91	1
	633334	3500.01	25.17	0.98	26.15	412.10	1
	634332	3514.98	25.18	0.98	26.16	413.05	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	25.15	0.98	26.13	410.20	1
	633334	3500.01	25.05	0.98	26.03	400.87	1
	634666	3519.99	25.08	0.98	26.06	403.65	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	25.07	0.98	26.05	402.72	1
	24.28	3500.01	25.03	0.98	26.01	399.02	1
	635000	3525	25.12	0.98	26.10	407.38	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	25.15	0.98	26.13	410.20	1
	633334	3500.01	25.10	0.98	26.08	405.51	1
	635332	3529.98	25.05	0.98	26.03	400.87	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	25.07	0.98	26.05	402.72	1
	633334	3500.01	25.22	0.98	26.20	416.87	1
	635666	3534.99	25.18	0.98	26.16	413.05	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	25.22	0.98	26.20	416.87	1
	633334	3500.01	25.04	0.98	26.02	399.94	1
	635832	3537.48	25.06	0.98	26.04	401.79	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	25.19	0.98	26.17	414.00	1
	633334	3500.01	25.20	0.98	26.18	414.95	1
	636000	3540	25.17	0.98	26.15	412.10	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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			(dBm)				
15M-QPSK	630500	3457.5	25.12	0.98	26.10	407.38	1
	633334	3500.01	25.21	0.98	26.19	415.91	1
	636166	3542.49	25.14	0.98	26.12	409.26	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	25.01	0.98	25.99	397.19	1
	633334	3500.01	25.12	0.98	26.10	407.38	1
	636332	3544.98	25.07	0.98	26.05	402.72	1



Part270_n77 (SCS 30kHz)_Ant3

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	650000	3750	25.04	0.98	26.02	399.94	1
	656000	3840	24.92	0.98	25.90	389.05	1
	662000	3930	24.61	0.98	25.59	362.24	1
100M- QPSK	650000	3750	25.14	0.98	26.12	409.26	1
	656000	3840	24.89	0.98	25.87	386.37	1
	662000	3930	24.63	0.98	25.61	363.92	1
100M- 16QAM	650000	3750	24.84	0.98	25.82	381.94	1
	656000	3840	24.78	0.98	25.76	376.70	1
	662000	3930	24.57	0.98	25.55	358.92	1
100M- 64QAM	650000	3750	24.49	0.98	25.47	352.37	1
	656000	3840	24.57	0.98	25.55	358.92	1
	662000	3930	24.32	0.98	25.30	338.84	1
100M- 256QAM	650000	3750	23.01	0.98	23.99	250.61	1
	656000	3840	23.04	0.98	24.02	252.35	1
	662000	3930	22.81	0.98	23.79	239.33	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	649668	3745.02	25.03	0.98	26.01	399.02	1
	656000	3840	24.69	0.98	25.67	368.98	1
	662332	3934.98	24.51	0.98	25.49	354.00	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	649334	3740.01	24.90	0.98	25.88	387.26	1
	656000	3840	24.82	0.98	25.80	380.19	1
	662666	3939.99	24.54	0.98	25.52	356.45	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	649000	3735	25.09	0.98	26.07	404.58	1
	656000	3840	24.82	0.98	25.80	380.19	1
	663000	3945	24.57	0.98	25.55	358.92	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	648668	3730.02	25.01	0.98	25.99	397.19	1
	656000	3840	24.75	0.98	25.73	374.11	1
	663332	3949.98	24.53	0.98	25.51	355.63	1



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	648334	3725.01	24.48	0.98	25.46	351.56	1
	656000	3840	24.50	0.98	25.48	353.18	1
	663666	3954.99	24.17	0.98	25.15	327.34	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	648000	3720	25.02	0.98	26.00	398.11	1
	656000	3840	24.74	0.98	25.72	373.25	1
	664000	3960	24.47	0.98	25.45	350.75	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	647668	3715.02	24.75	0.98	25.73	374.11	1
	656000	3840	24.62	0.98	25.60	363.08	1
	664332	3964.98	24.48	0.98	25.46	351.56	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	647500	3712.5	25.05	0.98	26.03	400.87	1
	656000	3840	24.77	0.98	25.75	375.84	1
	664500	3967.5	24.53	0.98	25.51	355.63	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	647334	3710.01	24.90	0.98	25.88	387.26	1
	656000	3840	24.81	0.98	25.79	379.31	1
	664666	3969.99	24.59	0.98	25.57	360.58	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	647168	3707.52	24.84	0.98	25.82	381.94	1
	656000	3840	24.78	0.98	25.76	376.70	1
	664832	3972.48	24.50	0.98	25.48	353.18	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	647000	3705	24.95	0.98	25.93	391.74	1
	656000	3840	24.81	0.98	25.79	379.31	1
	665000	3975	24.65	0.98	25.63	365.59	1



Part27Q_n77 (SCS 30kHz)_Ant3(HPUE)

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	27.26	0.98	28.24	666.81	1
100M- QPSK	633334	3500	27.28	0.98	28.26	669.88	1
100M- 16QAM	633334	3500	26.25	0.98	27.23	528.45	1
100M- 64QAM	633334	3500	24.48	0.98	25.46	351.56	1
100M- 256QAM	633334	3500	22.33	0.98	23.31	214.29	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	27.08	0.98	28.06	639.73	1
	633334	3500.01	27.10	0.98	28.08	642.69	1
	633666	3504.99	27.05	0.98	28.03	635.33	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	27.16	0.98	28.14	651.63	1
	633334	3500.01	27.21	0.98	28.19	659.17	1
	634000	3510	27.03	0.98	28.01	632.41	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



			(dBm)				
70M-QPSK	632334	3485.01	27.13	0.98	28.11	647.14	1
	633334	3500.01	27.12	0.98	28.10	645.65	1
	634332	3514.98	27.06	0.98	28.04	636.80	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	27.15	0.98	28.13	650.13	1
	633334	3500.01	27.27	0.98	28.25	668.34	1
	634666	3519.99	27.13	0.98	28.11	647.14	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	27.09	0.98	28.07	641.21	1
	24.28	3500.01	27.11	0.98	28.09	644.17	1
	635000	3525	27.10	0.98	28.08	642.69	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	27.16	0.98	28.14	651.63	1
	633334	3500.01	27.19	0.98	28.17	656.15	1
	635332	3529.98	27.17	0.98	28.15	653.13	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	27.06	0.98	28.04	636.80	1
	633334	3500.01	27.09	0.98	28.07	641.21	1
	635666	3534.99	27.07	0.98	28.05	638.26	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	26.93	0.98	27.91	618.02	1
	633334	3500.01	27.11	0.98	28.09	644.17	1
	635832	3537.48	26.91	0.98	27.89	615.18	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	27.23	0.98	28.21	662.22	1
	633334	3500.01	27.26	0.98	28.24	666.81	1
	636000	3540	27.05	0.98	28.03	635.33	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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			(dBm)				
15M-QPSK	630500	3457.5	26.87	0.98	27.85	609.54	1
	633334	3500.01	26.94	0.98	27.92	619.44	1
	636166	3542.49	26.99	0.98	27.97	626.61	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	27.05	0.98	28.03	635.33	1
	633334	3500.01	27.13	0.98	28.11	647.14	1
	636332	3544.98	27.09	0.98	28.07	641.06	1



Part270_n77 (SCS 30kHz)_Ant3(HPUE)

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	650000	3750	26.75	0.98	27.73	592.93	1
	656000	3840	27.16	0.98	28.14	651.63	1
	662000	3930	26.93	0.98	27.91	618.02	1
100M- QPSK	650000	3750	26.70	0.98	27.68	586.14	1
	656000	3840	27.18	0.98	28.16	654.64	1
	662000	3930	26.96	0.98	27.94	622.30	1
100M- 16QAM	650000	3750	25.82	0.98	26.80	478.63	1
	656000	3840	26.10	0.98	27.08	510.50	1
	662000	3930	25.93	0.98	26.91	490.91	1
100M- 64QAM	650000	3750	24.06	0.98	25.04	319.15	1
	656000	3840	24.29	0.98	25.27	336.51	1
	662000	3930	24.12	0.98	25.10	323.59	1
100M- 256QAM	650000	3750	21.81	0.98	22.79	190.11	1
	656000	3840	22.21	0.98	23.19	208.45	1
	662000	3930	22.10	0.98	23.08	203.24	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	649668	3745.02	26.71	0.98	27.69	587.49	1
	656000	3840	27.13	0.98	28.11	646.55	1
	662332	3934.98	26.99	0.98	27.97	626.61	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	649334	3740.01	26.81	0.98	27.79	601.17	1
	656000	3840	27.16	0.98	28.14	651.63	1
	662666	3939.99	26.93	0.98	27.91	618.02	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	649000	3735	26.83	0.98	27.81	603.95	1
	656000	3840	27.09	0.98	28.07	641.21	1
	663000	3945	26.87	0.98	27.85	609.54	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	648668	3730.02	26.79	0.98	27.77	598.41	1
	656000	3840	27.05	0.98	28.03	635.33	1
	663332	3949.98	26.83	0.98	27.81	603.95	1



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	648334	3725.01	26.76	0.98	27.74	594.29	1
	656000	3840	27.15	0.98	28.13	650.13	1
	663666	3954.99	26.81	0.98	27.79	601.17	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	648000	3720	26.91	0.98	27.89	615.18	1
	656000	3840	27.11	0.98	28.09	644.17	1
	664000	3960	26.98	0.98	27.96	625.17	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	647668	3715.02	26.78	0.98	27.76	597.04	1
	656000	3840	27.02	0.98	28.00	630.96	1
	664332	3964.98	26.91	0.98	27.89	615.18	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	647500	3712.5	26.57	0.98	27.55	568.85	1
	656000	3840	26.73	0.98	27.71	590.20	1
	664500	3967.5	26.58	0.98	27.56	570.16	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	647334	3710.01	26.93	0.98	27.91	618.02	1
	656000	3840	27.17	0.98	28.15	653.13	1
	664666	3969.99	26.79	0.98	27.77	598.41	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	647168	3707.52	26.83	0.98	27.81	603.95	1
	656000	3840	27.05	0.98	28.03	635.33	1
	664832	3972.48	26.77	0.98	27.75	595.66	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	647000	3705	26.81	0.98	27.79	601.17	1
	656000	3840	27.06	0.98	28.04	636.80	1
	665000	3975	26.85	0.98	27.83	606.74	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	23.36	-0.8	22.56	180.30	1
100M- QPSK	633334	3500	23.38	-0.8	22.58	181.13	1
100M- 16QAM	633334	3500	23.23	-0.8	22.43	174.98	1
100M- 64QAM	633334	3500	22.94	-0.8	22.14	163.68	1
100M- 256QAM	633334	3500	21.36	-0.8	20.56	113.76	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	23.12	-0.8	22.32	170.61	1
	633334	3500.01	23.04	-0.8	22.24	167.49	1
	633666	3504.99	23.01	-0.8	22.21	166.34	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	22.94	-0.8	22.14	163.68	1
	633334	3500.01	23.15	-0.8	22.35	171.79	1
	634000	3510	23.01	-0.8	22.21	166.34	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



			(dBm)				
70M-QPSK	632334	3485.01	22.95	-0.8	22.15	164.06	1
	633334	3500.01	22.98	-0.8	22.18	165.20	1
	634332	3514.98	22.96	-0.8	22.16	164.44	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	23.17	-0.8	22.37	172.58	1
	633334	3500.01	23.01	-0.8	22.21	166.34	1
	634666	3519.99	23.16	-0.8	22.36	172.19	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	23.03	-0.8	22.23	167.11	1
	24.28	3500.01	22.99	-0.8	22.19	165.58	1
	635000	3525	23.11	-0.8	22.31	170.22	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	23.04	-0.8	22.24	167.49	1
	633334	3500.01	22.98	-0.8	22.18	165.20	1
	635332	3529.98	23.01	-0.8	22.21	166.34	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	23.18	-0.8	22.38	172.98	1
	633334	3500.01	23.01	-0.8	22.21	166.34	1
	635666	3534.99	23.02	-0.8	22.22	166.72	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	23.08	-0.8	22.28	169.04	1
	633334	3500.01	22.99	-0.8	22.19	165.58	1
	635832	3537.48	23.01	-0.8	22.21	166.34	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	23.16	-0.8	22.36	172.19	1
	633334	3500.01	22.95	-0.8	22.15	164.06	1
	636000	3540	23.04	-0.8	22.24	167.49	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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			(dBm)				
15M-QPSK	630500	3457.5	23.11	-0.8	22.31	170.22	1
	633334	3500.01	23.02	-0.8	22.22	166.72	1
	636166	3542.49	23.12	-0.8	22.32	170.61	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	23.12	-0.8	22.32	170.61	1
	633334	3500.01	23.01	-0.8	22.21	166.34	1
	636332	3544.98	23.18	-0.8	22.38	172.98	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	650000	3750	23.32	-0.8	22.52	178.65	1
	656000	3840	23.29	-0.8	22.49	177.42	1
	662000	3930	23.29	-0.8	22.49	177.42	1
100M- QPSK	650000	3750	23.34	-0.8	22.54	179.47	1
	656000	3840	23.39	-0.8	22.59	181.55	1
	662000	3930	23.30	-0.8	22.50	177.83	1
100M- 16QAM	650000	3750	23.21	-0.8	22.41	174.18	1
	656000	3840	23.36	-0.8	22.56	180.30	1
	662000	3930	23.07	-0.8	22.27	168.66	1
100M- 64QAM	650000	3750	23.03	-0.8	22.23	167.11	1
	656000	3840	22.96	-0.8	22.16	164.44	1
	662000	3930	22.88	-0.8	22.08	161.44	1
100M- 256QAM	650000	3750	21.38	-0.8	20.58	114.29	1
	656000	3840	21.24	-0.8	20.44	110.66	1
	662000	3930	21.13	-0.8	20.33	107.89	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	649668	3745.02	23.25	-0.8	22.45	175.79	1
	656000	3840	23.23	-0.8	22.43	174.98	1
	662332	3934.98	23.18	-0.8	22.38	172.98	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	649334	3740.01	23.25	-0.8	22.45	175.79	1
	656000	3840	23.24	-0.8	22.44	175.39	1
	662666	3939.99	23.14	-0.8	22.34	171.40	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	649000	3735	23.23	-0.8	22.43	174.98	1
	656000	3840	23.26	-0.8	22.46	176.20	1
	663000	3945	23.28	-0.8	22.48	177.01	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	648668	3730.02	23.33	-0.8	22.53	179.06	1
	656000	3840	23.37	-0.8	22.57	180.72	1
	663332	3949.98	23.23	-0.8	22.43	174.98	1



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	648334	3725.01	23.25	-0.8	22.45	175.79	1
	656000	3840	23.34	-0.8	22.54	179.47	1
	663666	3954.99	23.11	-0.8	22.31	170.22	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	648000	3720	23.28	-0.8	22.48	177.01	1
	656000	3840	23.31	-0.8	22.51	178.24	1
	664000	3960	23.23	-0.8	22.43	174.98	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	647668	3715.02	23.20	-0.8	22.40	173.78	1
	656000	3840	23.33	-0.8	22.53	179.06	1
	664332	3964.98	23.16	-0.8	22.36	172.19	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	647500	3712.5	23.27	-0.8	22.47	176.60	1
	656000	3840	23.30	-0.8	22.50	177.83	1
	664500	3967.5	23.12	-0.8	22.32	170.61	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	647334	3710.01	23.18	-0.8	22.38	172.98	1
	656000	3840	23.31	-0.8	22.51	178.24	1
	664666	3969.99	23.22	-0.8	22.42	174.58	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	647168	3707.52	23.33	-0.8	22.53	179.06	1
	656000	3840	23.28	-0.8	22.48	177.01	1
	664832	3972.48	23.21	-0.8	22.41	174.18	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	647000	3705	23.27	-0.8	22.47	176.60	1
	656000	3840	23.20	-0.8	22.40	173.78	1
	665000	3975	23.09	-0.8	22.29	169.43	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	25.16	-0.8	24.36	272.90	1
100M- QPSK	633334	3500	25.19	-0.8	24.39	274.79	1
100M- 16QAM	633334	3500	24.25	-0.8	23.45	221.31	1
100M- 64QAM	633334	3500	22.24	-0.8	21.44	139.32	1
100M- 256QAM	633334	3500	20.13	-0.8	19.33	85.70	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	25.05	-0.8	24.25	266.07	1
	633334	3500.01	25.15	-0.8	24.35	272.27	1
	633666	3504.99	25.03	-0.8	24.23	264.85	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	25.09	-0.8	24.29	268.53	1
	633334	3500.01	25.18	-0.8	24.38	274.16	1
	634000	3510	25.01	-0.8	24.21	263.63	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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			(dBm)				
70M-QPSK	632334	3485.01	25.06	-0.8	24.26	266.69	1
	633334	3500.01	25.09	-0.8	24.29	268.53	1
	634332	3514.98	25.05	-0.8	24.25	266.07	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	25.01	-0.8	24.21	263.63	1
	633334	3500.01	25.06	-0.8	24.26	266.69	1
	634666	3519.99	25.03	-0.8	24.23	264.85	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	25.11	-0.8	24.31	269.77	1
	24.28	3500.01	25.16	-0.8	24.36	272.90	1
	635000	3525	25.09	-0.8	24.29	268.53	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	25.02	-0.8	24.22	264.24	1
	633334	3500.01	25.01	-0.8	24.21	263.63	1
	635332	3529.98	24.99	-0.8	24.19	262.42	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	25.01	-0.8	24.21	263.63	1
	633334	3500.01	25.03	-0.8	24.23	264.85	1
	635666	3534.99	24.98	-0.8	24.18	261.82	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	24.79	-0.8	23.99	250.61	1
	633334	3500.01	24.87	-0.8	24.07	255.27	1
	635832	3537.48	24.85	-0.8	24.05	254.10	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	24.99	-0.8	24.19	262.42	1
	633334	3500.01	25.11	-0.8	24.31	269.77	1
	636000	3540	24.95	-0.8	24.15	260.02	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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			(dBm)				
15M-QPSK	630500	3457.5	24.96	-0.8	24.16	260.62	1
	633334	3500.01	25.06	-0.8	24.26	266.69	1
	636166	3542.49	24.83	-0.8	24.03	252.93	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	24.96	-0.8	24.16	260.62	1
	633334	3500.01	24.99	-0.8	24.19	262.42	1
	636332	3544.98	24.97	-0.8	24.17	261.22	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	650000	3750	24.74	-0.8	23.94	247.74	1
	656000	3840	25.10	-0.8	24.30	269.15	1
	662000	3930	25.12	-0.8	24.32	270.40	1
100M-QPSK	650000	3750	24.78	-0.8	23.98	250.03	1
	656000	3840	25.14	-0.8	24.34	271.64	1
	662000	3930	25.11	-0.8	24.31	269.77	1
100M-16QAM	650000	3750	23.83	-0.8	23.03	200.91	1
	656000	3840	24.11	-0.8	23.31	214.29	1
	662000	3930	23.93	-0.8	23.13	205.59	1
100M-64QAM	650000	3750	21.95	-0.8	21.15	130.32	1
	656000	3840	22.24	-0.8	21.44	139.32	1
	662000	3930	22.24	-0.8	21.44	139.32	1
100M-256QAM	650000	3750	19.81	-0.8	19.01	79.62	1
	656000	3840	20.15	-0.8	19.35	86.10	1
	662000	3930	20.08	-0.8	19.28	84.72	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	649668	3745.02	25.08	-0.8	24.28	267.92	1
	656000	3840	25.09	-0.8	24.29	268.53	1
	662332	3934.98	25.11	-0.8	24.31	269.77	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	649334	3740.01	25.09	-0.8	24.29	268.53	1
	656000	3840	25.09	-0.8	24.29	268.53	1
	662666	3939.99	25.02	-0.8	24.22	264.24	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	649000	3735	25.08	-0.8	24.28	267.92	1
	656000	3840	25.11	-0.8	24.31	269.77	1
	663000	3945	25.06	-0.8	24.26	266.69	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	648668	3730.02	25.12	-0.8	24.32	270.40	1
	656000	3840	25.03	-0.8	24.23	264.85	1
	663332	3949.98	25.01	-0.8	24.21	263.63	1



BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	648334	3725.01	25.08	-0.8	24.28	267.92	1
	656000	3840	25.09	-0.8	24.29	268.53	1
	663666	3954.99	25.05	-0.8	24.25	266.07	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	648000	3720	25.06	-0.8	24.26	266.69	1
	656000	3840	25.11	-0.8	24.31	269.77	1
	664000	3960	24.99	-0.8	24.19	262.42	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	647668	3715.02	25.09	-0.8	24.29	268.53	1
	656000	3840	25.06	-0.8	24.26	266.69	1
	664332	3964.98	24.93	-0.8	24.13	258.82	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	647500	3712.5	24.87	-0.8	24.07	255.27	1
	656000	3840	24.94	-0.8	24.14	259.42	1
	664500	3967.5	24.91	-0.8	24.11	257.63	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	647334	3710.01	25.07	-0.8	24.27	267.30	1
	656000	3840	25.07	-0.8	24.27	267.30	1
	664666	3969.99	24.96	-0.8	24.16	260.62	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	647168	3707.52	25.01	-0.8	24.21	263.63	1
	656000	3840	24.98	-0.8	24.18	261.82	1
	664832	3972.48	24.82	-0.8	24.02	252.35	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	647000	3705	25.07	-0.8	24.27	267.30	1
	656000	3840	25.06	-0.8	24.26	266.69	1
	665000	3975	25.05	-0.8	24.25	266.07	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	25.49	-0.73	24.76	299.23	1
100M- QPSK	633334	3500	25.52	-0.73	24.79	301.30	1
100M- 16QAM	633334	3500	25.40	-0.73	24.67	293.09	1
100M- 64QAM	633334	3500	24.97	-0.73	24.24	265.46	1
100M- 256QAM	633334	3500	23.50	-0.73	22.77	189.23	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	25.32	-0.73	24.59	287.74	1
	633334	3500.01	25.41	-0.73	24.68	293.76	1
	633666	3504.99	25.34	-0.73	24.61	289.07	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	25.21	-0.73	24.48	280.54	1
	633334	3500.01	25.49	-0.73	24.76	299.23	1
	634000	3510	25.39	-0.73	24.66	292.42	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



			(dBm)				
70M-QPSK	632334	3485.01	25.27	-0.73	24.54	284.45	1
	633334	3500.01	25.29	-0.73	24.56	285.76	1
	634332	3514.98	25.24	-0.73	24.51	282.49	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	25.24	-0.73	24.51	282.49	1
	633334	3500.01	25.43	-0.73	24.70	295.12	1
	634666	3519.99	25.33	-0.73	24.60	288.40	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	25.15	-0.73	24.42	276.69	1
	633334	3500.01	25.39	-0.73	24.66	292.42	1
	635000	3525	25.31	-0.73	24.58	287.08	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	25.46	-0.73	24.73	297.17	1
	633334	3500.01	25.23	-0.73	24.50	281.84	1
	635332	3529.98	25.21	-0.73	24.48	280.54	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	25.32	-0.73	24.59	287.74	1
	633334	3500.01	25.28	-0.73	24.55	285.10	1
	635666	3534.99	24.85	-0.73	24.12	258.23	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	25.22	-0.73	24.49	281.19	1
	633334	3500.01	25.18	-0.73	24.45	278.61	1
	635832	3537.48	25.17	-0.73	24.44	277.97	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	25.34	-0.73	24.61	289.07	1
	633334	3500.01	25.45	-0.73	24.72	296.48	1
	636000	3540	25.12	-0.73	24.39	274.79	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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			(dBm)				
15M-QPSK	630500	3457.5	25.26	-0.73	24.53	283.79	1
	633334	3500.01	25.23	-0.73	24.50	281.84	1
	636166	3542.49	25.39	-0.73	24.66	292.42	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	25.23	-0.73	24.50	281.84	1
	633334	3500.01	25.31	-0.73	24.58	287.08	1
	636332	3544.98	25.42	-0.73	24.69	294.44	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	25.37	-0.73	24.64	291.07	1
100M- QPSK	633334	3500	25.39	-0.73	24.66	292.42	1
100M- 16QAM	633334	3500	24.45	-0.73	23.72	235.50	1
100M- 64QAM	633334	3500	22.58	-0.73	21.85	153.11	1
100M- 256QAM	633334	3500	20.64	-0.73	19.91	97.95	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	25.26	-0.73	24.53	283.79	1
	633334	3500.01	25.30	-0.73	24.57	286.42	1
	633666	3504.99	25.21	-0.73	24.48	280.54	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	25.21	-0.73	24.48	280.54	1
	633334	3500.01	25.32	-0.73	24.59	287.74	1
	634000	3510	25.23	-0.73	24.50	281.84	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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70M-QPSK	632334	3485.01	25.23	-0.73	24.50	281.84	1
	633334	3500.01	25.36	-0.73	24.63	290.40	1
	634332	3514.98	25.25	-0.73	24.52	283.14	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	25.24	-0.73	24.51	282.49	1
	633334	3500.01	25.29	-0.73	24.56	285.76	1
	634666	3519.99	25.27	-0.73	24.54	284.45	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	25.28	-0.73	24.55	285.10	1
	633334	3500.01	25.26	-0.73	24.53	283.79	1
	635000	3525	25.23	-0.73	24.50	281.84	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	25.19	-0.73	24.46	279.25	1
	633334	3500.01	25.31	-0.73	24.58	287.08	1
	635332	3529.98	25.29	-0.73	24.56	285.76	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	25.16	-0.73	24.43	277.33	1
	633334	3500.01	25.32	-0.73	24.59	287.74	1
	635666	3534.99	25.19	-0.73	24.46	279.25	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	25.09	-0.73	24.36	272.90	1
	633334	3500.01	25.12	-0.73	24.39	274.79	1
	635832	3537.48	25.15	-0.73	24.42	276.69	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	25.18	-0.73	24.45	278.61	1
	633334	3500.01	25.36	-0.73	24.63	290.40	1
	636000	3540	25.32	-0.73	24.59	287.74	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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15M-QPSK	630500	3457.5	25.23	-0.73	24.50	281.84	1
	633334	3500.01	25.27	-0.73	24.54	284.45	1
	636166	3542.49	25.31	-0.73	24.58	287.08	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	25.31	-0.73	24.58	287.08	1
	633334	3500.01	25.26	-0.73	24.53	283.79	1
	636332	3544.98	25.36	-0.73	24.63	290.40	1



Part27Q_n78 (SCS 30kHz)_Ant2

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	25.49	-1.2	24.29	268.53	1
100M- QPSK	633334	3500	25.52	-1.2	24.32	270.40	1
100M- 16QAM	633334	3500	25.40	-1.2	24.20	263.03	1
100M- 64QAM	633334	3500	24.97	-1.2	23.77	238.23	1
100M- 256QAM	633334	3500	23.50	-1.2	22.30	169.82	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	25.32	-1.2	24.12	258.23	1
	633334	3500.01	25.41	-1.2	24.21	263.63	1
	633666	3504.99	25.34	-1.2	24.14	259.42	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	25.21	-1.2	24.01	251.77	1
	633334	3500.01	25.49	-1.2	24.29	268.53	1
	634000	3510	25.39	-1.2	24.19	262.42	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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70M-QPSK	632334	3485.01	25.27	-1.2	24.07	255.27	1
	633334	3500.01	25.29	-1.2	24.09	256.45	1
	634332	3514.98	25.24	-1.2	24.04	253.51	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	25.24	-1.2	24.04	253.51	1
	633334	3500.01	25.43	-1.2	24.23	264.85	1
	634666	3519.99	25.33	-1.2	24.13	258.82	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	25.15	-1.2	23.95	248.31	1
	633334	3500.01	25.39	-1.2	24.19	262.42	1
	635000	3525	25.31	-1.2	24.11	257.63	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	25.46	-1.2	24.26	266.69	1
	633334	3500.01	25.23	-1.2	24.03	252.93	1
	635332	3529.98	25.21	-1.2	24.01	251.77	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	25.32	-1.2	24.12	258.23	1
	633334	3500.01	25.28	-1.2	24.08	255.86	1
	635666	3534.99	24.85	-1.2	23.65	231.74	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	25.22	-1.2	24.02	252.35	1
	633334	3500.01	25.18	-1.2	23.98	250.03	1
	635832	3537.48	25.17	-1.2	23.97	249.46	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	25.34	-1.2	24.14	259.42	1
	633334	3500.01	25.45	-1.2	24.25	266.07	1
	636000	3540	25.12	-1.2	23.92	246.60	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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15M-QPSK	630500	3457.5	25.26	-1.2	24.06	254.68	1
	633334	3500.01	25.23	-1.2	24.03	252.93	1
	636166	3542.49	25.39	-1.2	24.19	262.42	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	25.23	-1.2	24.03	252.93	1
	633334	3500.01	25.31	-1.2	24.11	257.63	1
	636332	3544.98	25.42	-1.2	24.22	264.24	1



Part27Q_n78 (SCS 30kHz)_Ant2(HPUE)

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	27.12	-1.2	25.92	390.84	1
100M- QPSK	633334	3500	27.14	-1.2	25.94	392.64	1
100M- 16QAM	633334	3500	26.09	-1.2	24.89	308.32	1
100M- 64QAM	633334	3500	24.23	-1.2	23.03	200.91	1
100M- 256QAM	633334	3500	22.19	-1.2	20.99	125.60	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	27.03	-1.2	25.83	382.82	1
	633334	3500.01	27.09	-1.2	25.89	388.15	1
	633666	3504.99	27.01	-1.2	25.81	381.07	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	27.01	-1.2	25.81	381.07	1
	633334	3500.01	27.06	-1.2	25.86	385.48	1
	634000	3510	26.98	-1.2	25.78	378.44	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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70M-QPSK	632334	3485.01	27.06	-1.2	25.86	385.48	1
	633334	3500.01	27.12	-1.2	25.92	390.84	1
	634332	3514.98	26.02	-1.2	24.82	303.39	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	26.98	-1.2	25.78	378.44	1
	633334	3500.01	27.01	-1.2	25.81	381.07	1
	634666	3519.99	26.99	-1.2	25.79	379.31	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	27.05	-1.2	25.85	384.59	1
	633334	3500.01	27.08	-1.2	25.88	387.26	1
	635000	3525	27.06	-1.2	25.86	385.48	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	27.09	-1.2	25.89	388.15	1
	633334	3500.01	27.13	-1.2	25.93	391.74	1
	635332	3529.98	27.11	-1.2	25.91	389.94	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	26.99	-1.2	25.79	379.31	1
	633334	3500.01	27.05	-1.2	25.85	384.59	1
	635666	3534.99	27.01	-1.2	25.81	381.07	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	26.73	-1.2	25.53	357.27	1
	633334	3500.01	26.95	-1.2	25.75	375.84	1
	635832	3537.48	26.85	-1.2	25.65	367.28	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	26.94	-1.2	25.74	374.97	1
	633334	3500.01	26.99	-1.2	25.79	379.31	1
	636000	3540	26.96	-1.2	25.76	376.70	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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15M-QPSK	630500	3457.5	26.96	-1.2	25.76	376.70	1
	633334	3500.01	26.82	-1.2	25.62	364.75	1
	636166	3542.49	26.79	-1.2	25.59	362.24	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	26.91	-1.2	25.71	372.39	1
	633334	3500.01	26.92	-1.2	25.72	373.25	1
	636332	3544.98	26.90	-1.2	25.70	371.54	1



Part27Q_n78 (SCS 30kHz)_Ant3

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	25.47	0.98	26.45	441.57	1
100M- QPSK	633334	3500	25.58	0.98	26.56	452.90	1
100M- 16QAM	633334	3500	25.41	0.98	26.39	435.51	1
100M- 64QAM	633334	3500	25.08	0.98	26.06	403.65	1
100M- 256QAM	633334	3500	23.42	0.98	24.40	275.42	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	25.25	0.98	26.23	419.76	1
	633334	3500.01	25.39	0.98	26.37	433.51	1
	633666	3504.99	25.33	0.98	26.31	427.56	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	25.06	0.98	26.04	401.79	1
	633334	3500.01	25.42	0.98	26.40	436.52	1
	634000	3510	25.13	0.98	26.11	408.32	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)

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70M-QPSK	632334	3485.01	25.22	0.98	26.20	416.87	1
	633334	3500.01	25.17	0.98	26.15	412.10	1
	634332	3514.98	25.36	0.98	26.34	430.53	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	25.18	0.98	26.16	413.05	1
	633334	3500.01	25.37	0.98	26.35	431.52	1
	634666	3519.99	25.32	0.98	26.30	426.58	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	25.10	0.98	26.08	405.51	1
	633334	3500.01	25.19	0.98	26.17	414.00	1
	635000	3525	25.02	0.98	26.00	398.11	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	25.08	0.98	26.06	403.65	1
	633334	3500.01	25.26	0.98	26.24	420.73	1
	635332	3529.98	25.19	0.98	26.17	414.00	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	25.13	0.98	26.11	408.32	1
	633334	3500.01	25.21	0.98	26.19	415.91	1
	635666	3534.99	25.16	0.98	26.14	411.15	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	25.12	0.98	26.10	407.38	1
	633334	3500.01	25.41	0.98	26.39	435.51	1
	635832	3537.48	25.19	0.98	26.17	414.00	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	25.33	0.98	26.31	427.56	1
	633334	3500.01	25.40	0.98	26.38	434.51	1
	636000	3540	25.17	0.98	26.15	412.10	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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15M-QPSK	630500	3457.5	25.27	0.98	26.25	421.70	1
	633334	3500.01	25.26	0.98	26.24	420.73	1
	636166	3542.49	24.73	0.98	25.71	372.39	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	25.13	0.98	26.11	408.32	1
	633334	3500.01	25.05	0.98	26.03	400.87	1
	636332	3544.98	25.15	0.98	26.13	410.20	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	27.31	0.98	28.29	674.53	1
100M- QPSK	633334	3500	27.32	0.98	28.30	676.08	1
100M- 16QAM	633334	3500	26.35	0.98	27.33	540.75	1
100M- 64QAM	633334	3500	24.35	0.98	25.33	341.19	1
100M- 256QAM	633334	3500	22.27	0.98	23.25	211.35	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	27.24	0.98	28.22	663.74	1
	633334	3500.01	27.25	0.98	28.23	665.27	1
	633666	3504.99	27.21	0.98	28.19	659.17	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	27.20	0.98	28.18	657.66	1
	633334	3500.01	27.31	0.98	28.29	674.53	1
	634000	3510	27.22	0.98	28.20	660.69	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)

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70M-QPSK	632334	3485.01	27.20	0.98	28.18	657.66	1
	633334	3500.01	27.21	0.98	28.19	659.17	1
	634332	3514.98	27.16	0.98	28.14	651.63	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	27.21	0.98	28.19	659.17	1
	633334	3500.01	27.23	0.98	28.21	662.22	1
	634666	3519.99	27.13	0.98	28.11	647.14	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	27.16	0.98	28.14	651.63	1
	633334	3500.01	27.19	0.98	28.17	656.15	1
	635000	3525	27.18	0.98	28.16	654.64	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	27.27	0.98	28.25	668.34	1
	633334	3500.01	27.26	0.98	28.24	666.81	1
	635332	3529.98	27.23	0.98	28.21	662.22	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	27.16	0.98	28.14	651.63	1
	633334	3500.01	27.15	0.98	28.13	650.13	1
	635666	3534.99	27.09	0.98	28.07	641.21	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	27.18	0.98	28.16	654.64	1
	633334	3500.01	27.03	0.98	28.01	632.41	1
	635832	3537.48	26.97	0.98	27.95	623.73	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	27.19	0.98	28.17	656.15	1
	633334	3500.01	27.22	0.98	28.20	660.69	1
	636000	3540	27.21	0.98	28.19	659.17	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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15M-QPSK	630500	3457.5	26.98	0.98	27.96	625.17	1
	633334	3500.01	27.07	0.98	28.05	638.26	1
	636166	3542.49	27.13	0.98	28.11	647.14	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	27.16	0.98	28.14	651.63	1
	633334	3500.01	27.18	0.98	28.16	654.64	1
	636332	3544.98	27.17	0.98	28.15	653.13	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	23.44	-1.4	22.04	159.96	1
100M- QPSK	633334	3500	23.45	-1.4	22.05	160.32	1
100M- 16QAM	633334	3500	23.42	-1.4	22.02	159.22	1
100M- 64QAM	633334	3500	23.20	-1.4	21.80	151.36	1
100M- 256QAM	633334	3500	21.49	-1.4	20.09	102.09	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	23.16	-1.4	21.76	149.97	1
	633334	3500.01	23.24	-1.4	21.84	152.76	1
	633666	3504.99	23.06	-1.4	21.66	146.55	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	23.02	-1.4	21.62	145.21	1
	633334	3500.01	23.10	-1.4	21.70	147.91	1
	634000	3510	23.26	-1.4	21.86	153.46	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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70M-QPSK	632334	3485.01	23.22	-1.4	21.82	152.05	1
	633334	3500.01	23.10	-1.4	21.70	147.91	1
	634332	3514.98	23.07	-1.4	21.67	146.89	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	23.25	-1.4	21.85	153.11	1
	633334	3500.01	23.06	-1.4	21.66	146.55	1
	634666	3519.99	23.01	-1.4	21.61	144.88	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	23.15	-1.4	21.75	149.62	1
	633334	3500.01	23.19	-1.4	21.79	151.01	1
	635000	3525	22.75	-1.4	21.35	136.46	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	23.16	-1.4	21.76	149.97	1
	633334	3500.01	23.02	-1.4	21.62	145.21	1
	635332	3529.98	23.12	-1.4	21.72	148.59	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	23.14	-1.4	21.74	149.28	1
	633334	3500.01	23.13	-1.4	21.73	148.94	1
	635666	3534.99	23.21	-1.4	21.81	151.71	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	23.07	-1.4	21.67	146.89	1
	633334	3500.01	23.26	-1.4	21.86	153.46	1
	635832	3537.48	23.28	-1.4	21.88	154.17	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	23.35	-1.4	21.95	156.68	1
	633334	3500.01	23.14	-1.4	21.74	149.28	1
	636000	3540	23.02	-1.4	21.62	145.21	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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15M-QPSK	630500	3457.5	23.16	-1.4	21.76	149.97	1
	633334	3500.01	23.08	-1.4	21.68	147.23	1
	636166	3542.49	23.26	-1.4	21.86	153.46	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	23.19	-1.4	21.79	151.01	1
	633334	3500.01	23.15	-1.4	21.75	149.62	1
	636332	3544.98	23.22	-1.4	21.82	152.05	1



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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-Pi/2 BPSK	633334	3500	25.23	-1.4	23.83	241.55	1
100M- QPSK	633334	3500	25.25	-1.4	23.85	242.66	1
100M- 16QAM	633334	3500	24.45	-1.4	23.05	201.84	1
100M- 64QAM	633334	3500	22.44	-1.4	21.04	127.06	1
100M- 256QAM	633334	3500	20.28	-1.4	18.88	77.27	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	25.19	-1.4	23.79	239.33	1
	633334	3500.01	25.21	-1.4	23.81	240.44	1
	633666	3504.99	25.12	-1.4	23.72	235.50	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	25.16	-1.4	23.76	237.68	1
	633334	3500.01	25.24	-1.4	23.84	242.10	1
	634000	3510	25.15	-1.4	23.75	237.14	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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70M-QPSK	632334	3485.01	25.15	-1.4	23.75	237.14	1
	633334	3500.01	25.19	-1.4	23.79	239.33	1
	634332	3514.98	25.07	-1.4	23.67	232.81	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	25.13	-1.4	23.73	236.05	1
	633334	3500.01	25.16	-1.4	23.76	237.68	1
	634666	3519.99	25.17	-1.4	23.77	238.23	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	25.14	-1.4	23.74	236.59	1
	633334	3500.01	25.18	-1.4	23.78	238.78	1
	635000	3525	25.16	-1.4	23.76	237.68	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	25.06	-1.4	23.66	232.27	1
	633334	3500.01	25.09	-1.4	23.69	233.88	1
	635332	3529.98	25.18	-1.4	23.78	238.78	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	25.09	-1.4	23.69	233.88	1
	633334	3500.01	25.13	-1.4	23.73	236.05	1
	635666	3534.99	25.15	-1.4	23.75	237.14	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
25M-QPSK	630834	3462.51	25.11	-1.4	23.71	234.96	1
	633334	3500.01	24.99	-1.4	23.59	228.56	1
	635832	3537.48	25.07	-1.4	23.67	232.81	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	25.16	-1.4	23.76	237.68	1
	633334	3500.01	25.23	-1.4	23.83	241.55	1
	636000	3540	25.19	-1.4	23.79	239.33	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)



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15M-QPSK	630500	3457.5	24.87	-1.4	23.47	222.33	1
	633334	3500.01	25.04	-1.4	23.64	231.21	1
	636166	3542.49	25.12	-1.4	23.72	235.50	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	630334	3455.01	25.11	-1.4	23.71	234.96	1
	633334	3500.01	25.17	-1.4	23.77	238.23	1
	636332	3544.98	25.14	-1.4	23.74	236.59	1

REMARKS: ERP Output Power (dBm) = EIRP (dBm) -2.15(dB).



3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

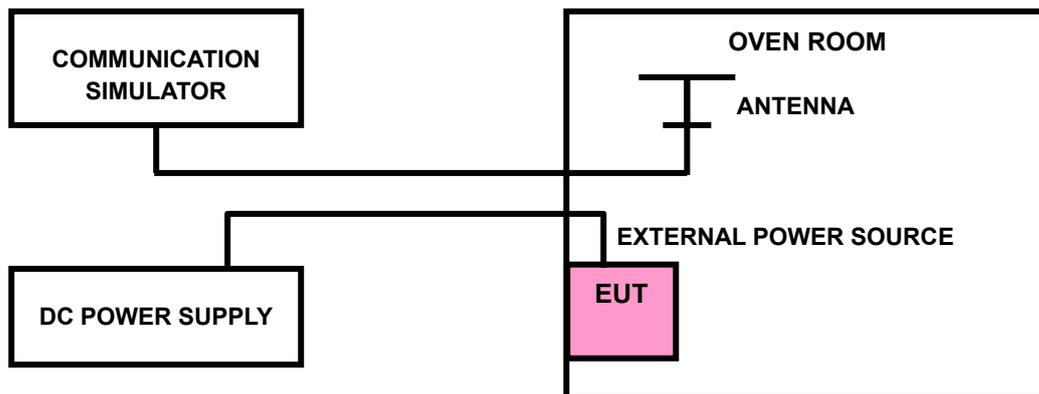
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

3.2.2 TEST PROCEDURE

- a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

3.2.3 TEST SETUP





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3.2.4 TEST RESULTS

Please Refer to Appendix Of this test report.

Note: VL = Low voltage(3.6V); VN/NV = Normal voltage(3.87V); VH = High voltage(4.45V);
NT = Normal temperature (25°C)

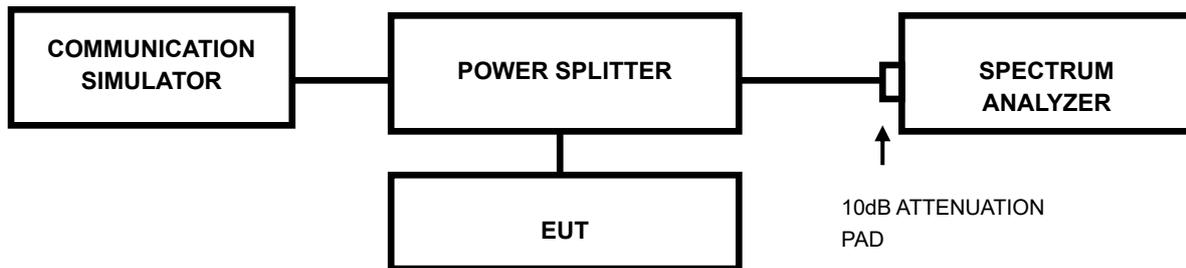


3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

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

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

- a. The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- b. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.



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3.3.4 TEST RESULTS

Please Refer to Appendix Of this test report.



3.4 BAND EDGE MEASUREMENT

3.4.1 LIMITS OF BAND EDGE MEASUREMENT

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. 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.(n2/n5/n25/n66)

According to FCC 27.53(g) specified that For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed. (n12/n71)

According to FCC 27.53(m)(4) specified that For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. For mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed.(n7/n41)

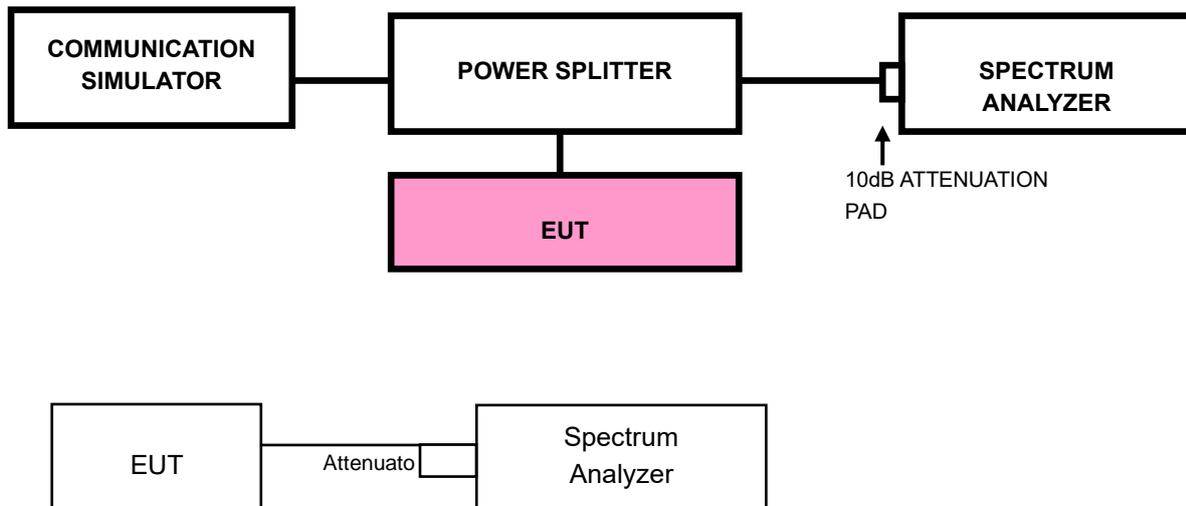
According to FCC 27.53(l)(2) specified that For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.(n77/n78)

According to FCC 27.53(n)(2) specified that For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of



the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. 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.

3.4.2 TEST SETUP





3.4.3 TEST PROCEDURES

- a) Connect the transmitter to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
- b) Tune the analyzer to the nominal center frequency of the emission bandwidth (EBW).
- c) Set the resolution bandwidth (RBW) $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
- d) Beyond the 1MHz band from the band edge, RBW=1MHz was used.
- e) Set the video bandwidth (VBW) to $\geq 3 \times$ RBW.
- f) Select the average power (RMS) display detector.
- g) Set the number of measurement points to ≥ 1001 .
- h) Use auto-coupled sweep time.
- i) Perform the measurement over an interval of time when the transmission is continuous and at its maximum power level.
- j) The RF fundamental frequency should be excluded against the limit line in the operating frequency band and use RBW is 10KHz or 100KHz.
- k) Record the max trace plot into the test report.



3.4.4 TEST RESULTS

Please Refer to Appendix Of this test report.



3.5 CONDUCTED SPURIOUS EMISSIONS

3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -13dBm.

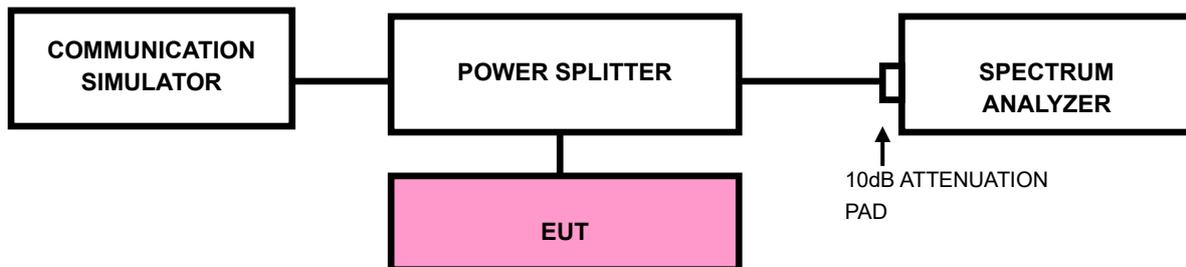
For 5G NR n41:

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm.

3.5.2 TEST PROCEDURE

- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- b. Measuring frequency range is from 9kHz up to a frequency including its 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP





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3.5.4 TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

Please Refer to Appendix Of this test report.



3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -13dBm.

For 5G NR n7/n41:

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm.

3.6.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G.
- c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,
 $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi}$.

NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

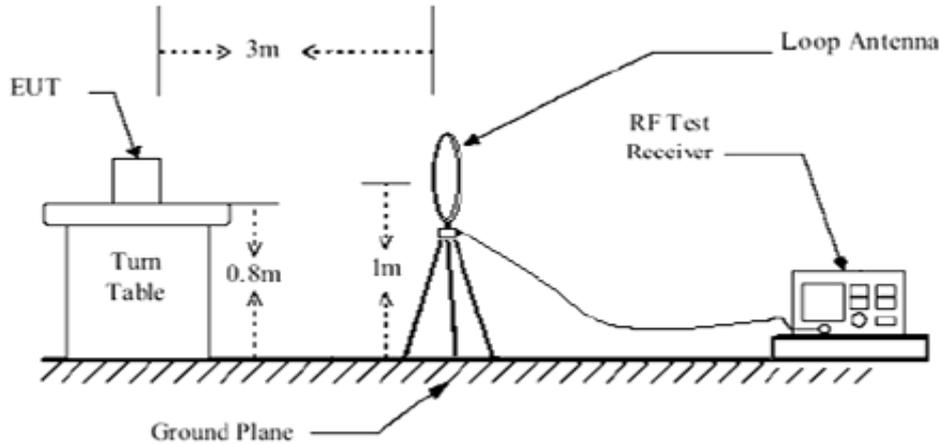
3.6.3 DEVIATION FROM TEST STANDARD

No deviation

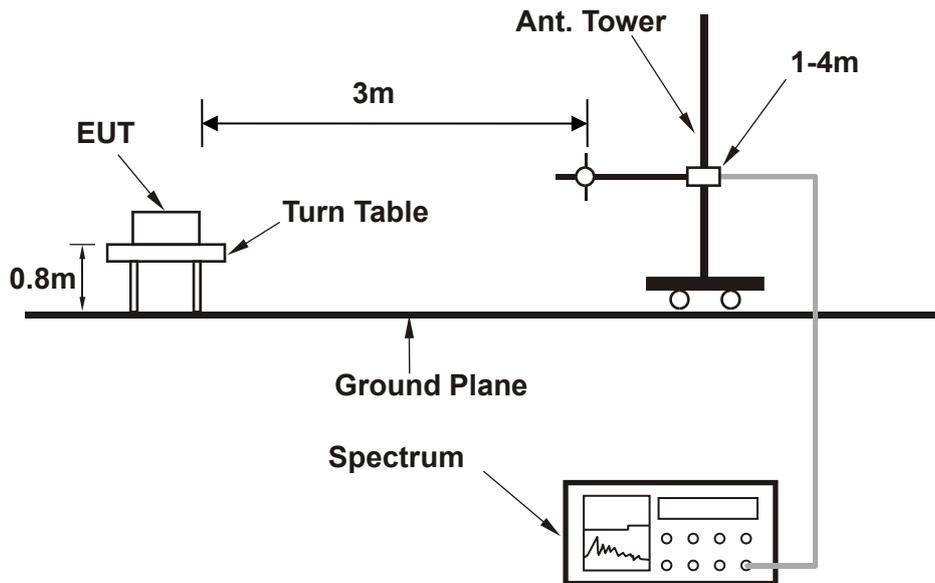


3.6.4 TEST SETUP

< Frequency Range below 30MHz >

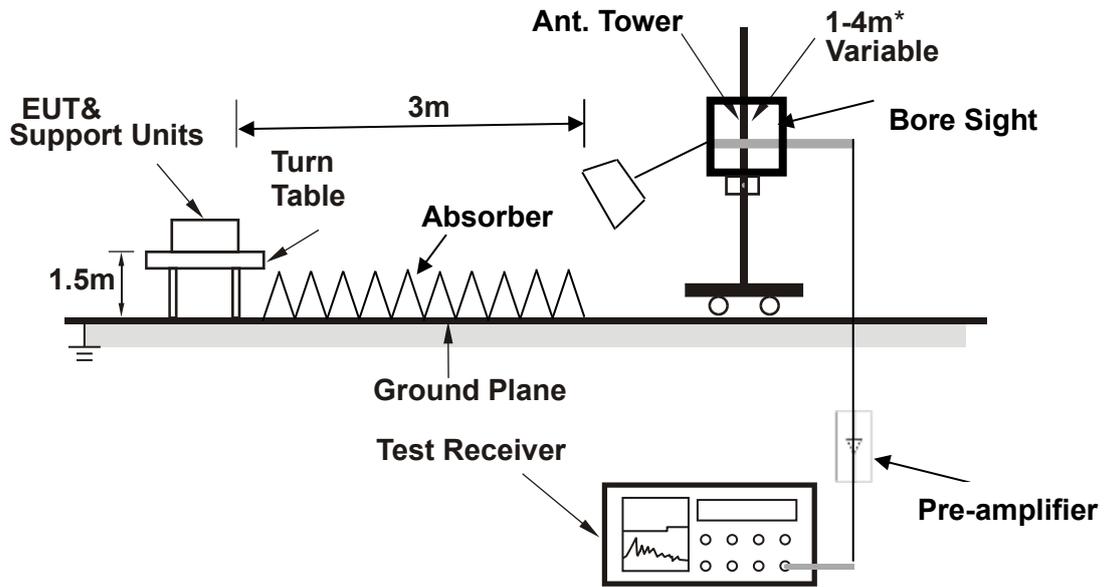


< Frequency Range 30MHz~1GHz >





<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).



3.6.5 TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

5G SA BELOW 1GHz WORST-CASE DATA

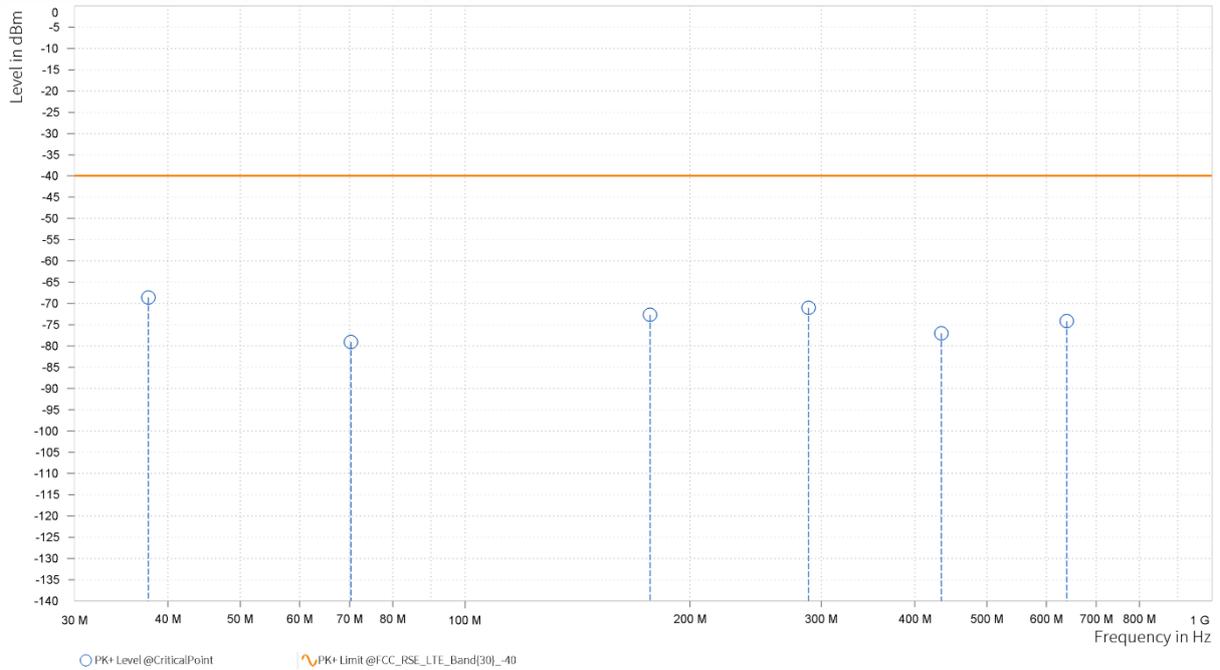
30 MHz – 1GHz data:

ENDC 20A+N78A

CHANNEL BANDWIDTH: (20+90) MHz

MODE	TX channel 39550/633666	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

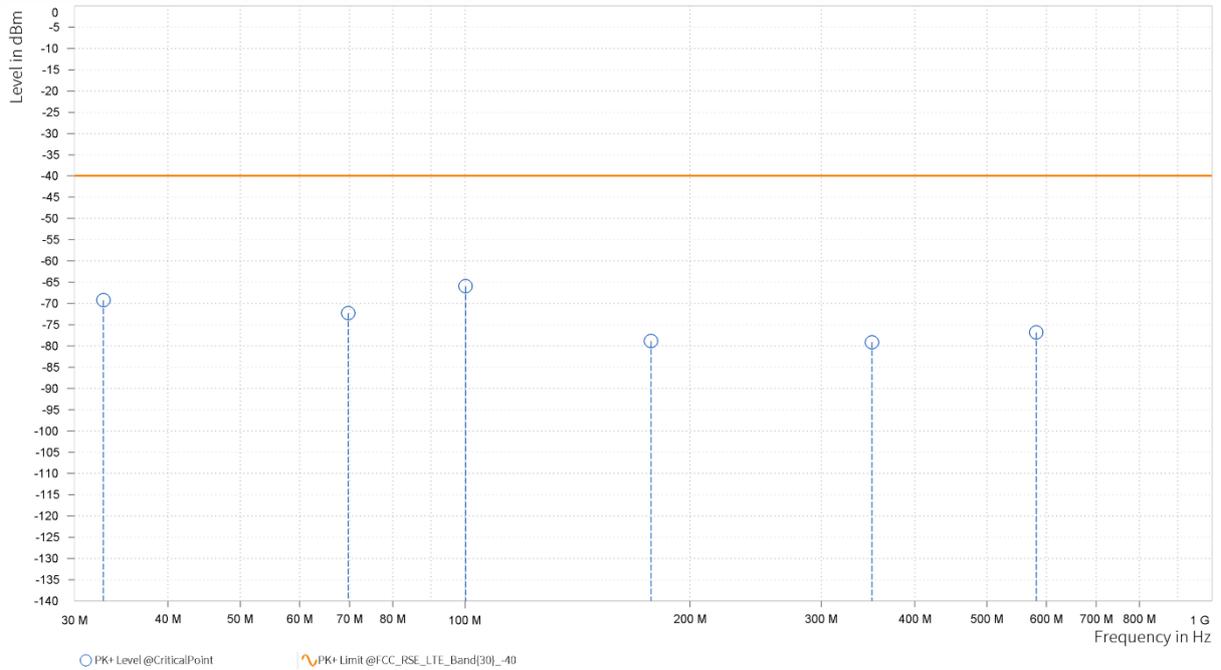
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	37.650	-68.58	-40.00	28.58	0.34	H	1	1.00
1	70.300	-79.09	-40.00	39.09	-10.31	H	236.3	2.00
1	176.750	-72.68	-40.00	32.68	-8.47	H	70.2	2.00
1	288.400	-71.04	-40.00	31.04	-2.93	H	285	1.00
1	434.250	-77.01	-40.00	37.01	2.23	H	324.4	1.00
2	639.246	-74.17	-40.00	34.17	0.95	H	259.8	1.00





MODE	TX channel 39550/633666	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	32.800	-69.22	-40.00	29.22	-6.81	V	214.4	1.00
1	69.750	-72.30	-40.00	32.30	-9.00	V	150.3	2.00
1	100.100	-65.95	-40.00	25.95	4.38	V	0.9	2.00
1	177.350	-78.87	-40.00	38.87	-9.57	V	359.1	1.00
1	350.450	-79.12	-40.00	39.12	-0.44	V	81.7	1.00
2	582.046	-76.84	-40.00	36.84	-0.41	V	350	1.00





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ABOVE 1GHz

Note: For higher frequency, the emission is too low to be detected.

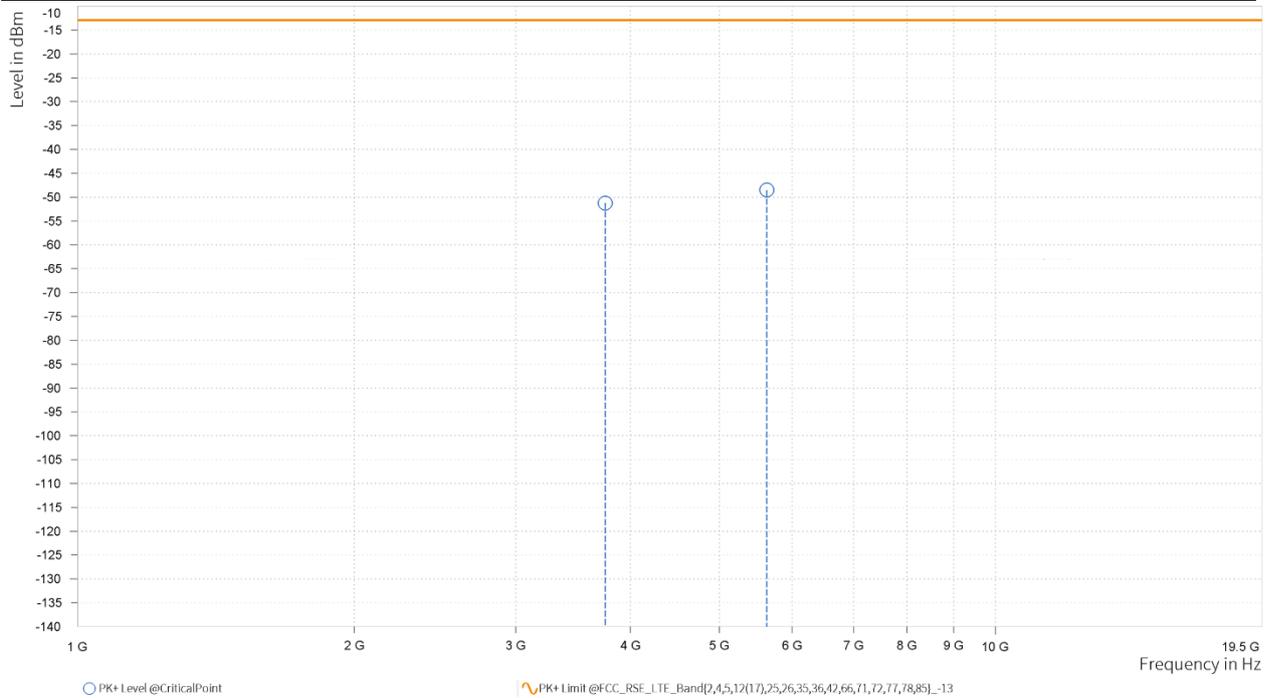
N2

CHANNEL BANDWIDTH: 5MHz / QPSK

CH 376000:

MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,755.500	-51.24	-13.00	38.24	21.55	H	202.3	1.00
4	5,633.250	-48.51	-13.00	35.51	24.75	H	155.5	2.00

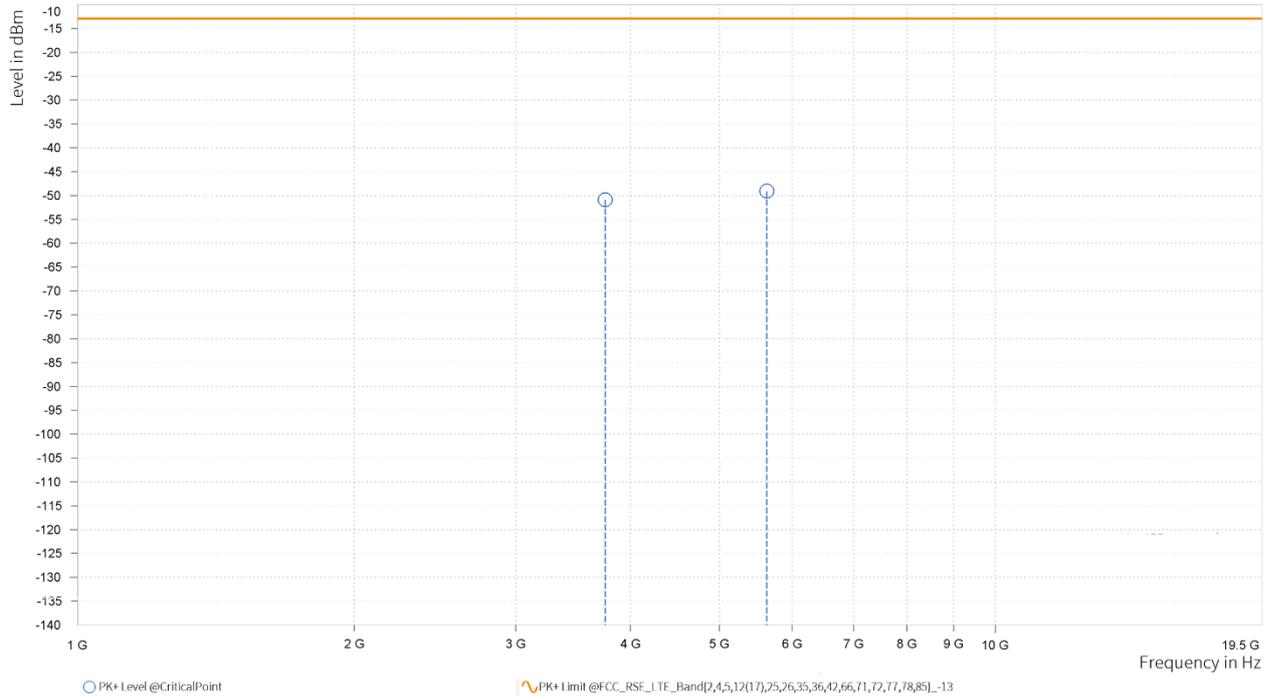




BUREAU VERITAS Test Report No.: PSZ-QBJ2501200112RF12

MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,755.500	-50.91	-13.00	37.91	22.10	V	1	1.00
4	5,633.250	-49.08	-13.00	36.08	25.09	V	1	1.00

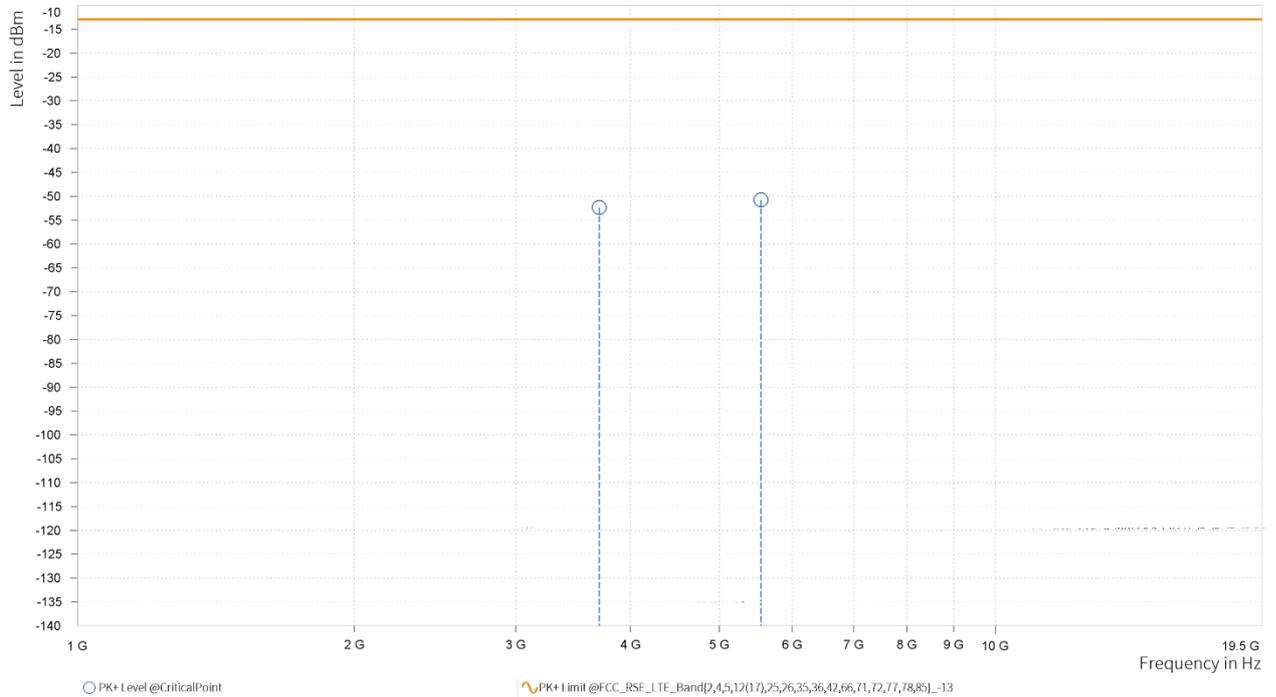




CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 371000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,701.000	-52.35	-13.00	39.35	21.12	H	1	2.00
4	5,551.500	-50.76	-13.00	37.76	24.26	H	1	2.00

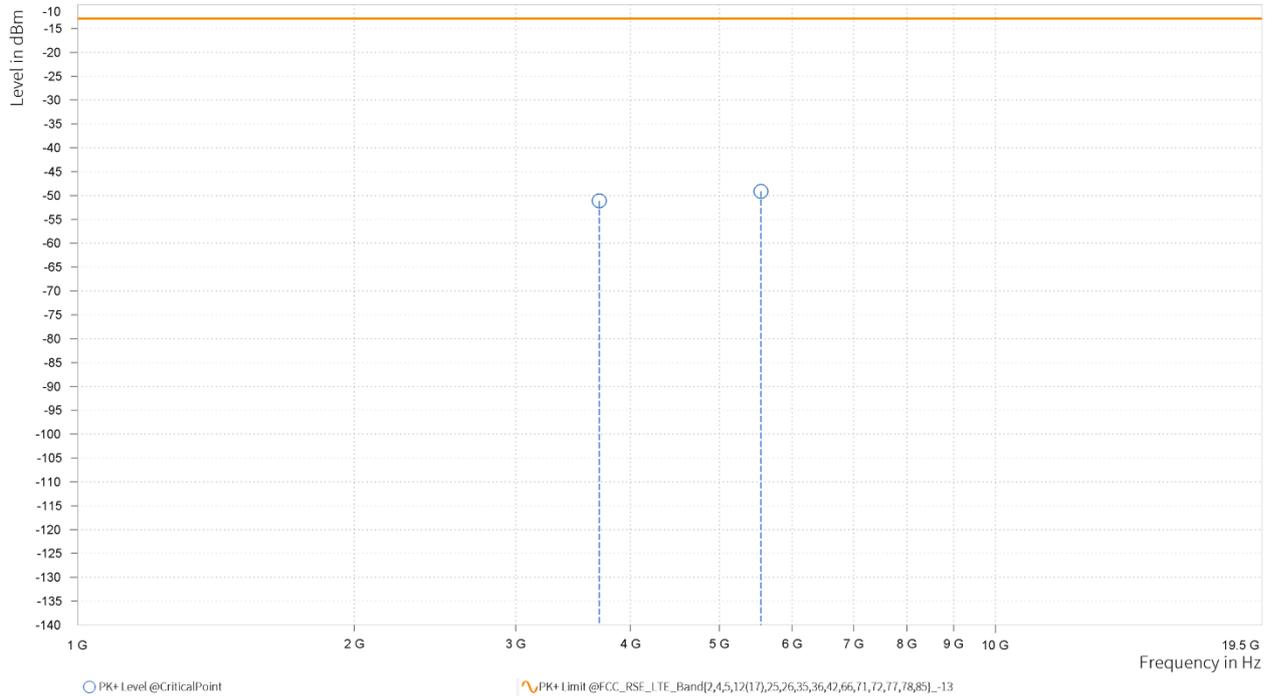




BUREAU VERITAS Test Report No.: PSZ-QBJ2501200112RF12

MODE	TX channel 371000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,701.000	-51.13	-13.00	38.13	21.71	V	2.8	2.00
4	5,551.500	-49.14	-13.00	36.14	24.96	V	256.8	1.00

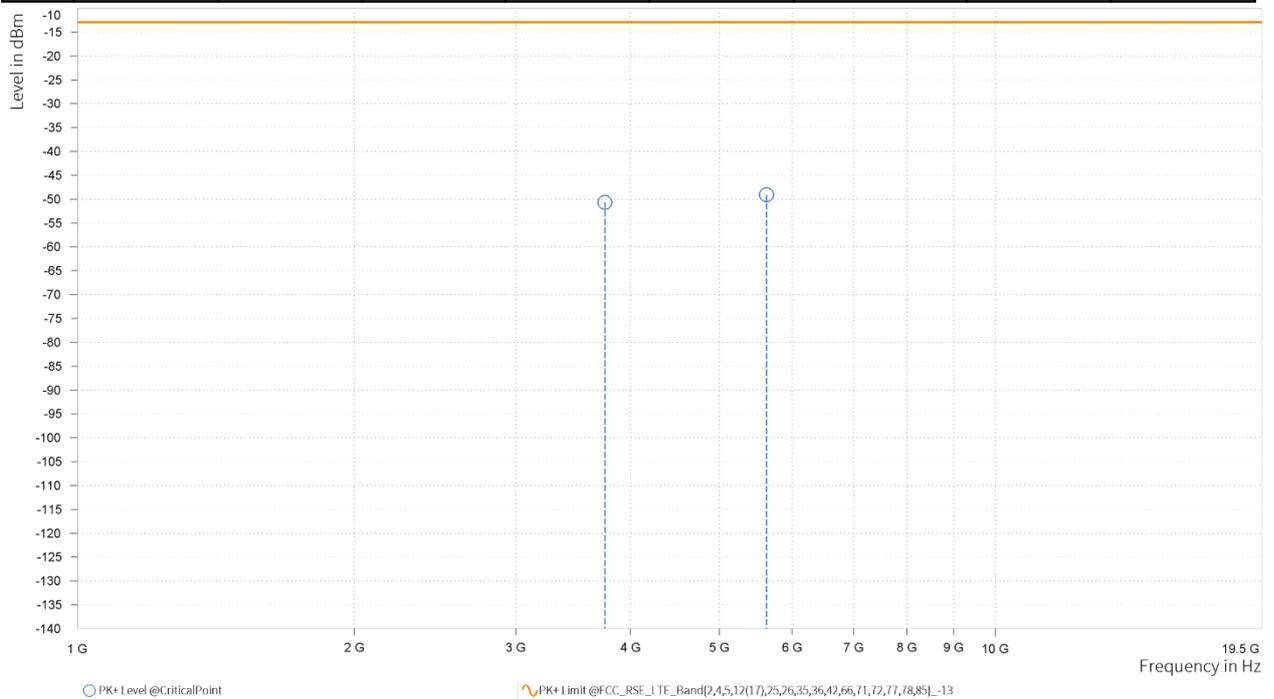




CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,751.000	-50.64	-13.00	37.64	21.46	H	203.7	1.00
4	5,626.500	-49.08	-13.00	36.08	24.71	H	0.9	2.00

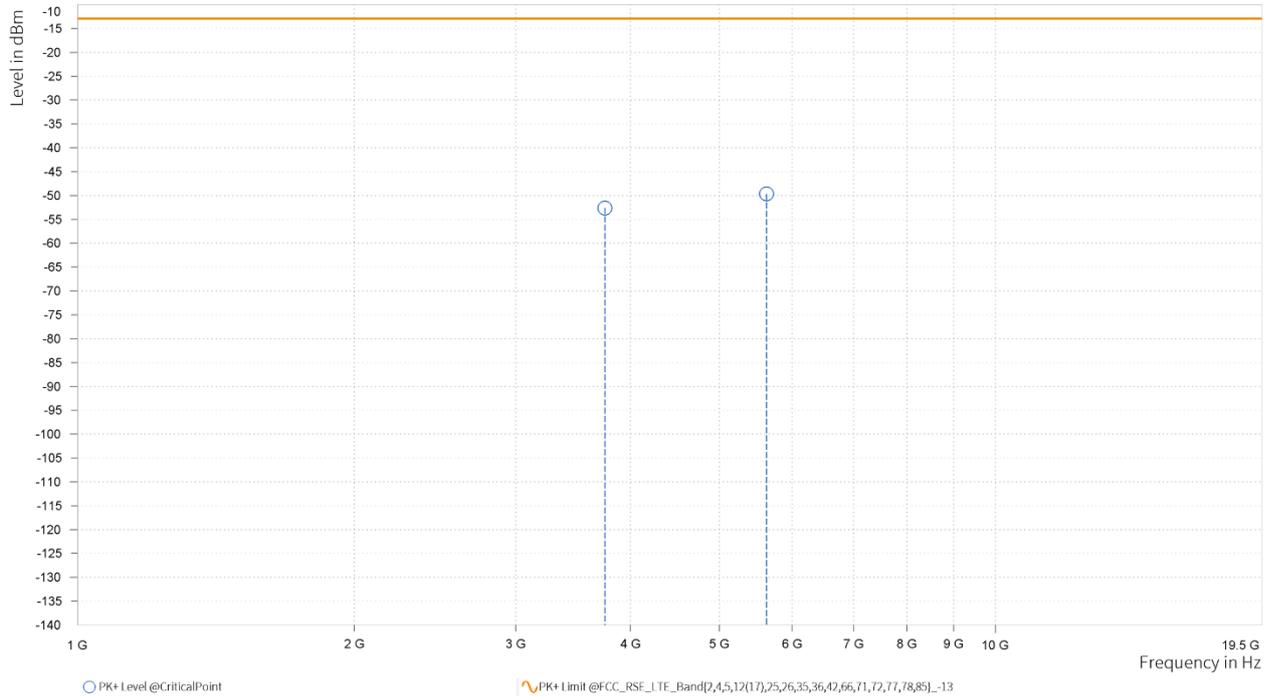




BUREAU VERITAS Test Report No.: PSZ-QBJ2501200112RF12

MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,751.000	-52.60	-13.00	39.60	22.07	V	1	2.00
4	5,626.500	-49.66	-13.00	36.66	25.07	V	1	1.00

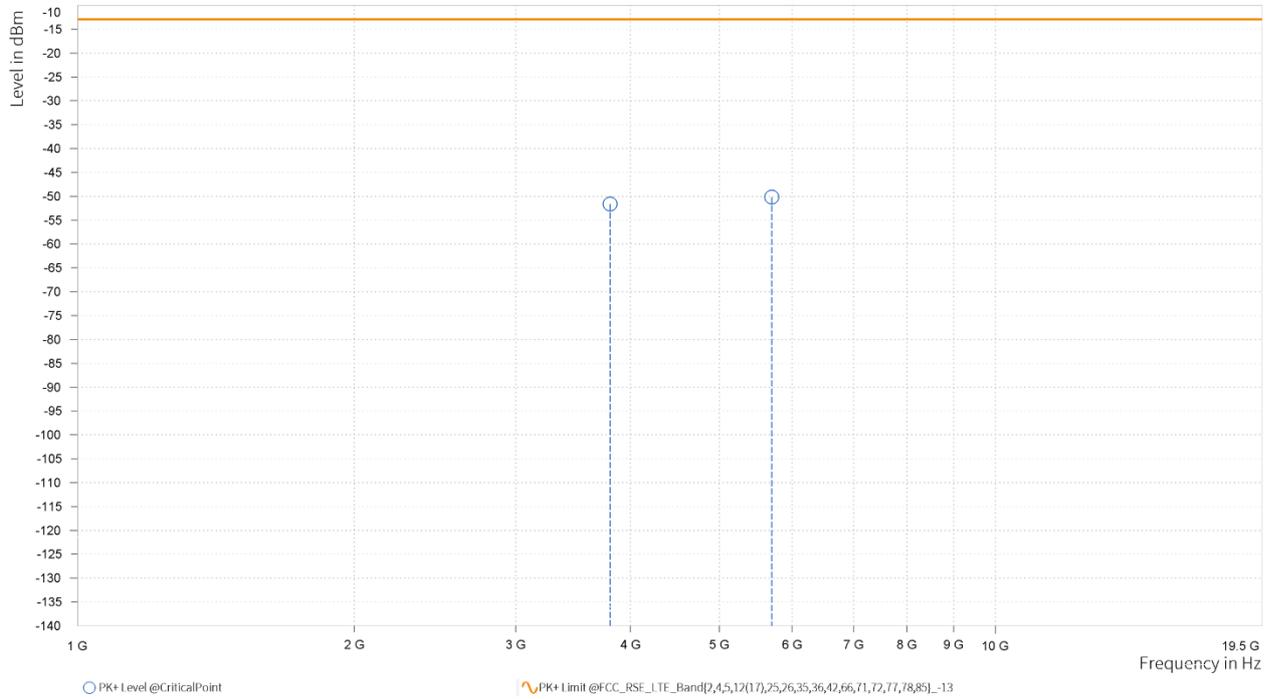




CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 381000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,801.000	-51.65	-13.00	38.65	22.21	H	1	1.00
4	5,701.500	-50.19	-13.00	37.19	25.12	H	106.1	2.00

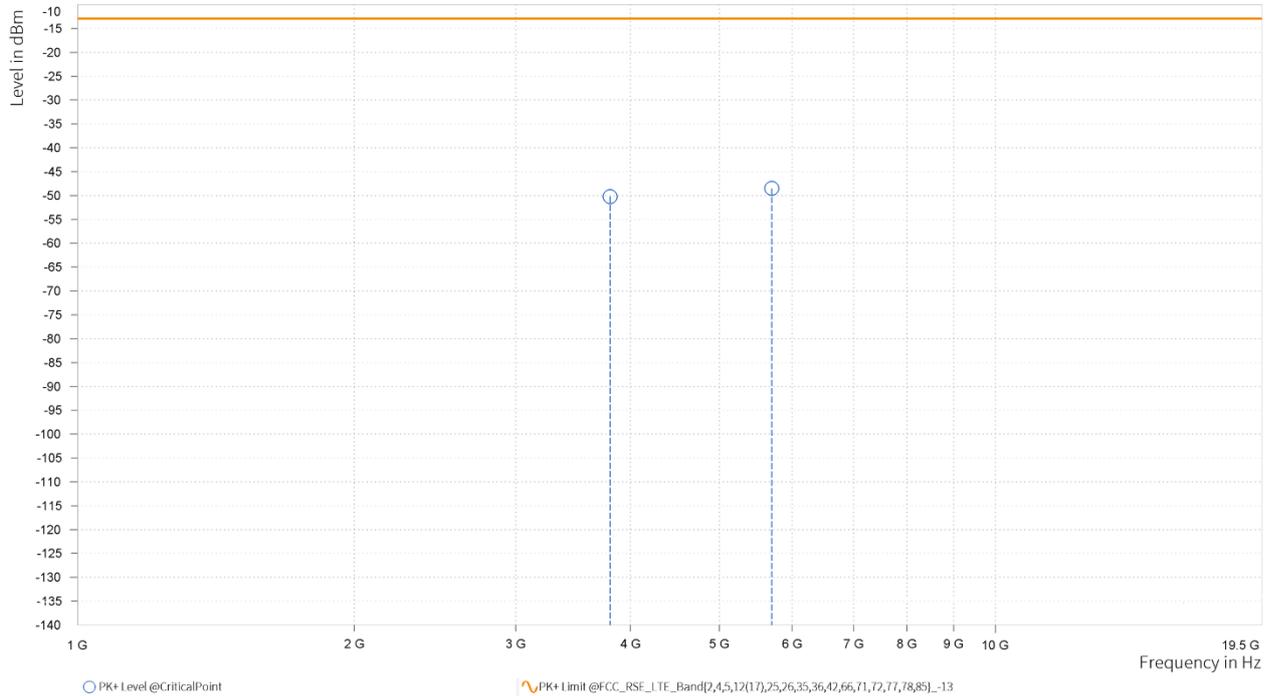




BUREAU VERITAS Test Report No.: PSZ-QBJ2501200112RF12

MODE	TX channel 381000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,801.000	-50.21	-13.00	37.21	22.47	V	357.4	1.00
4	5,701.500	-48.51	-13.00	35.51	25.55	V	359	2.00



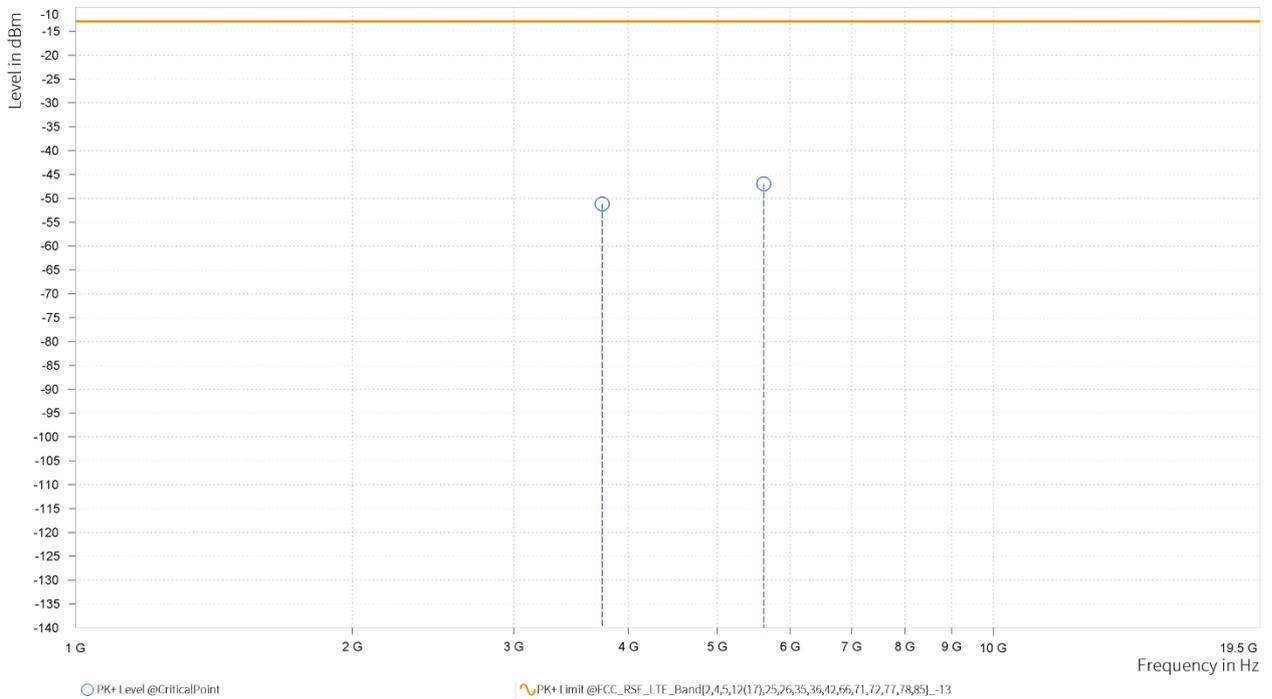


BUREAU VERITAS Test Report No.: PSZ-QBJ2501200112RF12

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC12V
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,746.500	-51.17	-13.00	38.17	21.38	H	210.7	1.00
4	5,619.750	-46.94	-13.00	33.94	24.65	H	279.4	1.00

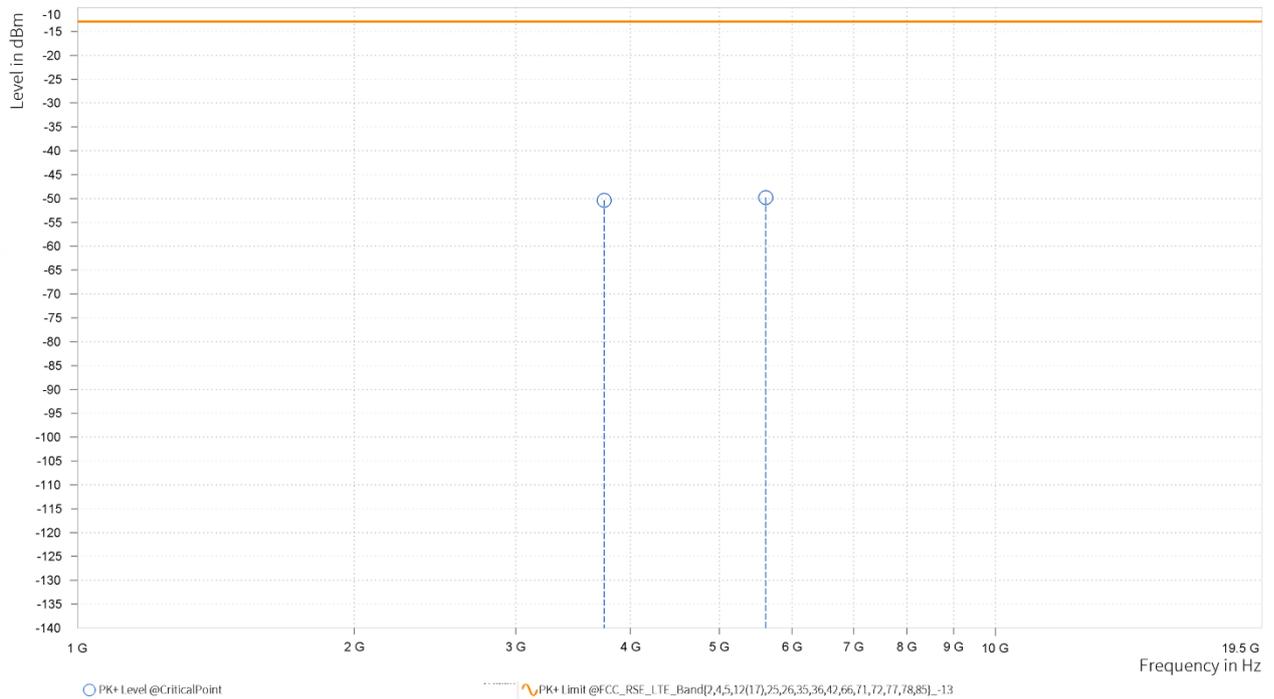




BUREAU VERITAS Test Report No.: PSZ-QBJ2501200112RF12

MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,746.500	-50.35	-13.00	37.35	22.04	V	153.4	2.00
4	5,619.750	-49.77	-13.00	36.77	25.06	V	16.8	2.00

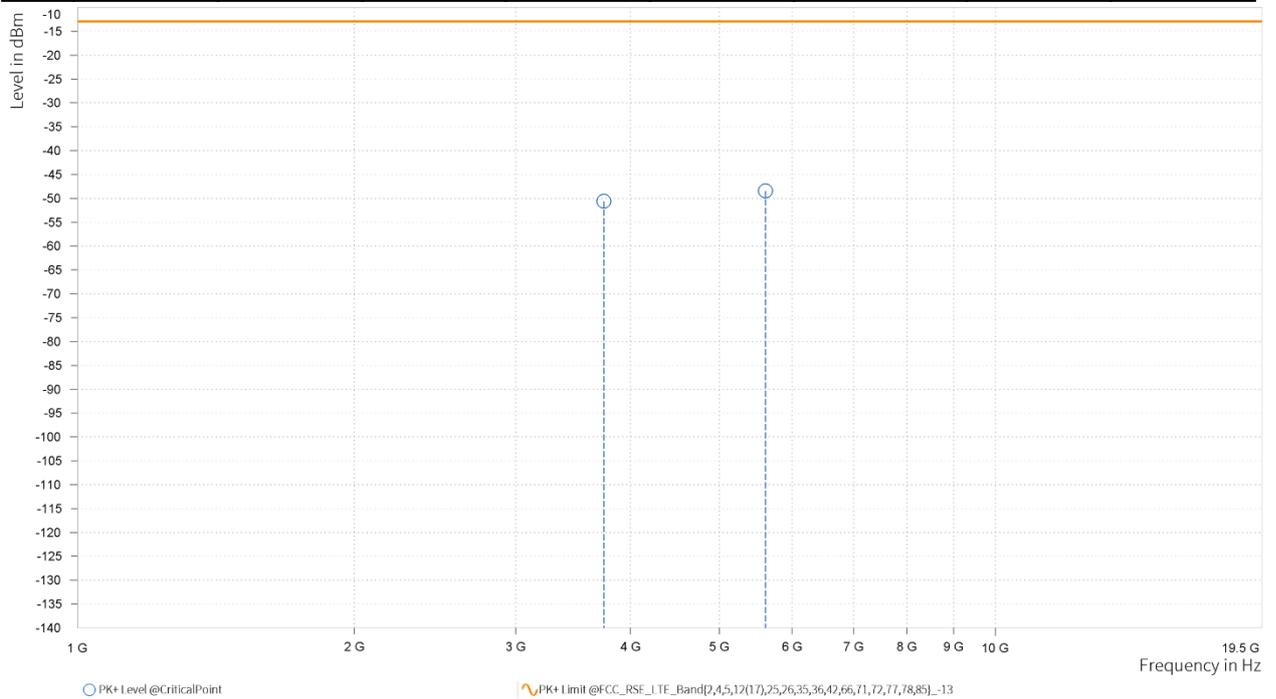




CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,742.000	-50.60	-13.00	37.60	21.35	H	132.2	1.00
4	5,613.000	-48.44	-13.00	35.44	24.60	H	359	2.00

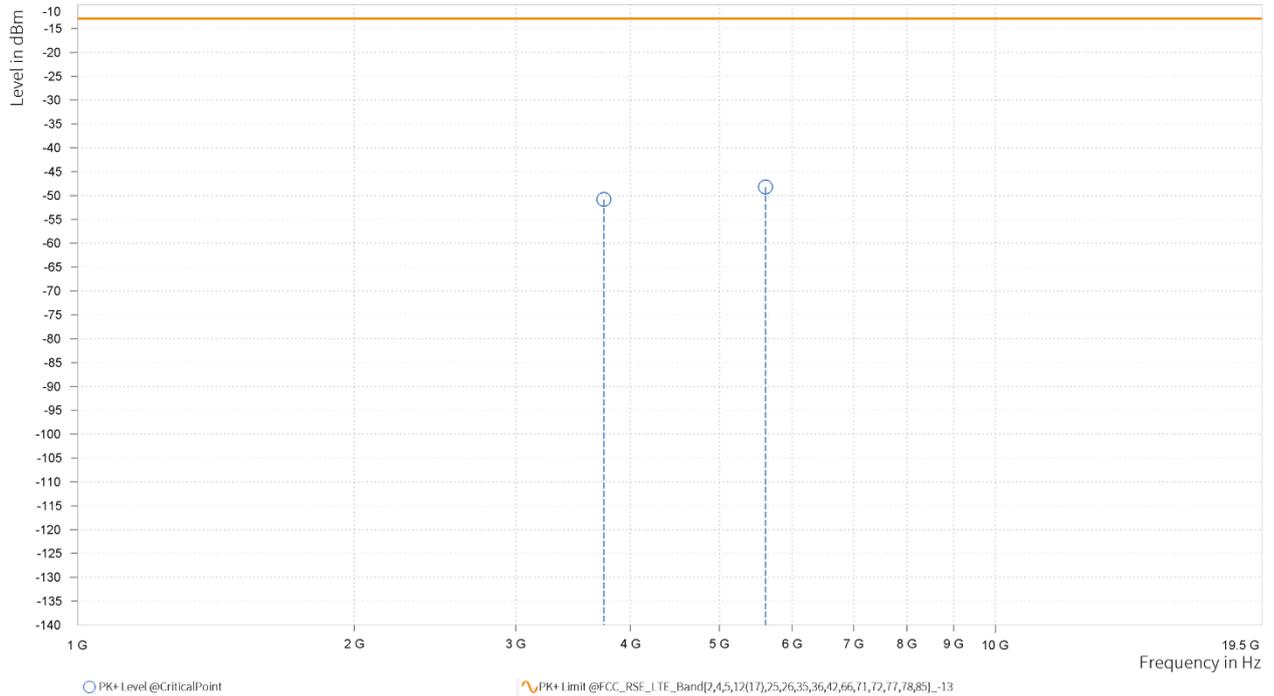




BUREAU VERITAS Test Report No.: PSZ-QBJ2501200112RF12

MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,742.000	-50.85	-13.00	37.85	22.00	V	342.4	1.00
4	5,613.000	-48.22	-13.00	35.22	25.05	V	1	2.00



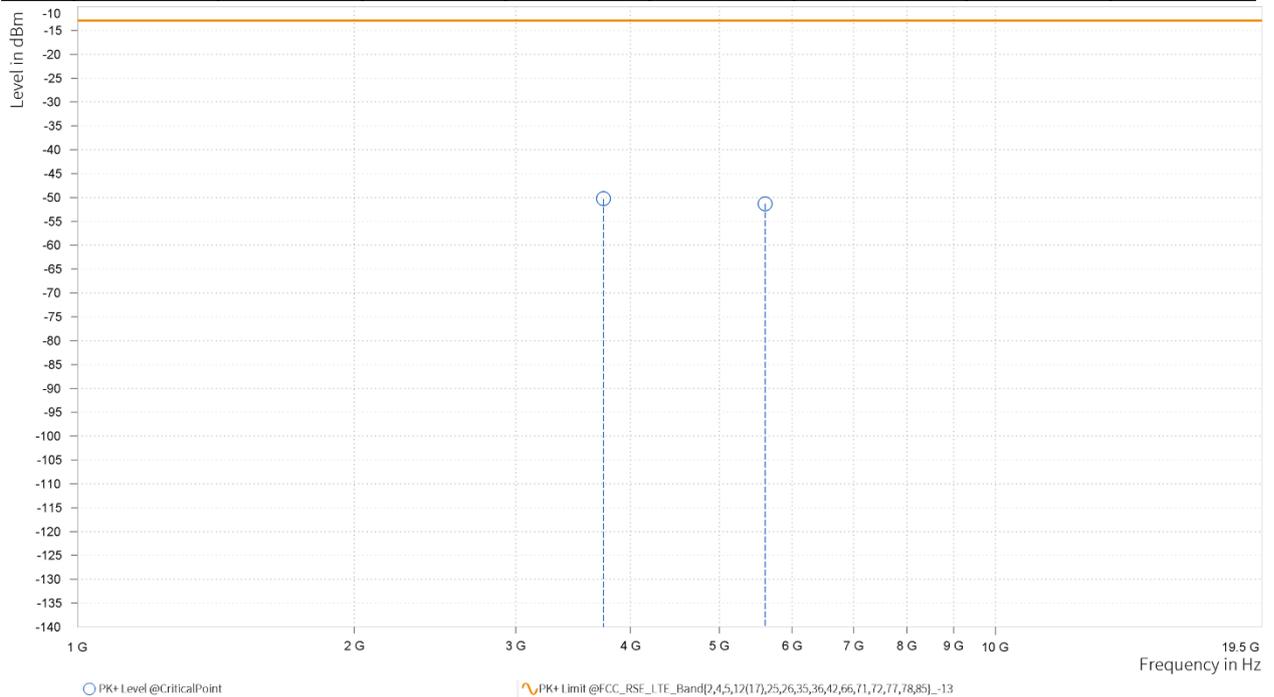


BUREAU VERITAS Test Report No.: PSZ-QBJ2501200112RF12

CHANNEL BANDWIDTH: 25MHz / QPSK

MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,737.500	-50.26	-13.00	37.26	21.32	H	95.4	1.00
4	5,606.250	-51.29	-13.00	38.29	24.54	H	79.8	2.00

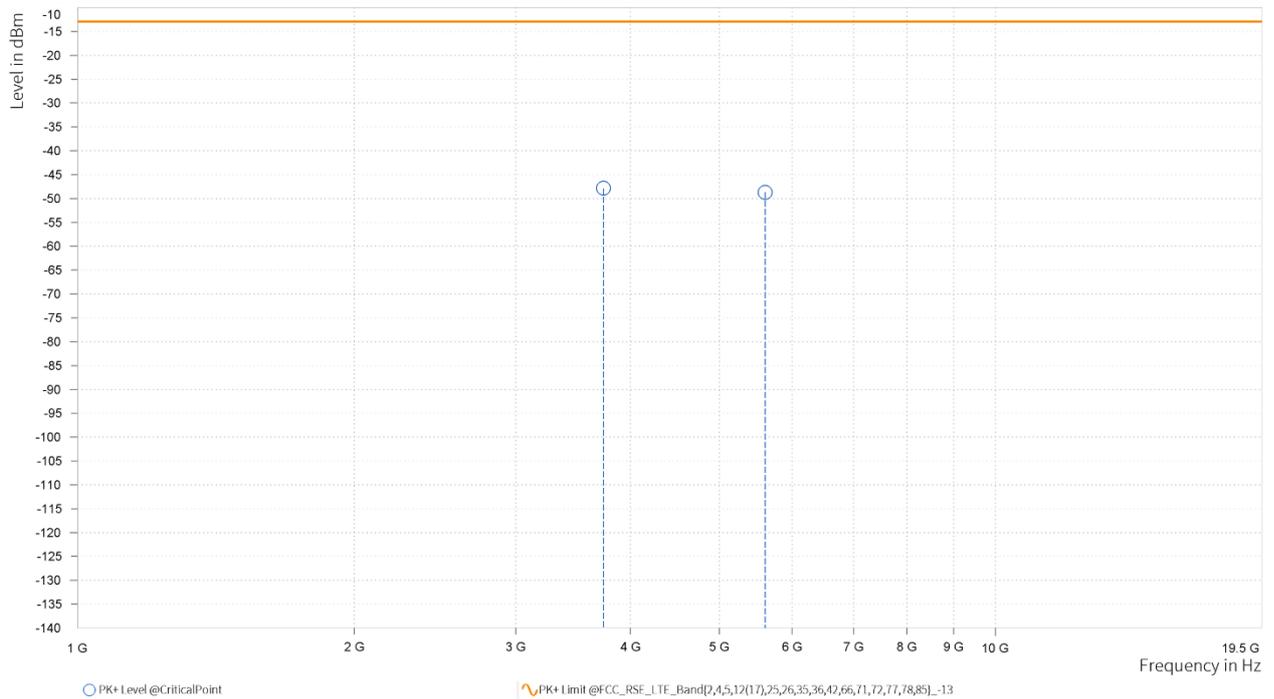




BUREAU VERITAS Test Report No.: PSZ-QBJ2501200112RF12

MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,737.500	-47.86	-13.00	34.86	21.97	V	294.3	1.00
4	5,606.250	-48.70	-13.00	35.70	25.04	V	28.9	2.00





CHANNEL BANDWIDTH: 30MHz / QPSK

MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,733.000	-51.75	-13.00	38.75	21.29	H	357.9	1.00
4	5,599.500	-50.47	-13.00	37.47	24.49	H	4.5	2.00

