

FCC RF TEST REPORT

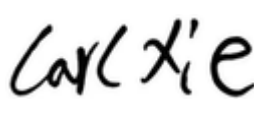
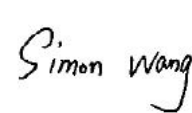
Applicant:	Juniper Systems, Inc.
Address:	1132 W 1700 N Logan, UT 84321 USA

Manufacturer or Supplier:	Juniper Systems, Inc.
Address:	1132 W 1700 N Logan, UT 84321 USA
Product:	ALTA
Brand Name:	Juniper Systems
Model Name:	ALT1 / FC-8000 / SHC8000
FCC ID:	VSFALT1
Date of tests:	Dec. 30, 2025 - Jul. 10, 2026

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

☒ FCC PART 22, Subpart H	☒ FCC Part 2
☒ FCC PART 24, Subpart E	☒ ANSI/TIA/EIA-603-E
☒ FCC Part 27, Subpart C, M	☒ ANSI C63.26-2015
☒ ANSI/TIA/EIA-603-D	

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

Prepared by Carl Xie Engineer / Mobile Department	Approved by Simon Wang Manager / Mobile Department
	
Date: Jul. 10, 2026	Date: Jul. 10, 2026

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.

TABLE OF CONTENTS

RELEASE CONTROL RECORD	4
1 SUMMARY OF TEST RESULTS	5
1.1. MEASUREMENT UNCERTAINTY	7
1.2. TEST SITE AND INSTRUMENTS	8
2 GENERAL INFORMATION.....	10
2.1. GENERAL DESCRIPTION OF EUT	10
2.2. CONFIGURATION OF SYSTEM UNDER TEST	28
2.3. DESCRIPTION OF SUPPORT UNITS	29
2.4. TEST ITEM AND TEST CONFIGURATION.....	29
2.5. GENERAL DESCRIPTION OF APPLIED STANDARDS	47
3 TEST TYPES AND RESULTS	48
3.1. OUTPUT POWER MEASUREMENT	48
3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT	48
3.1.2 TEST PROCEDURES	49
3.1.3 TEST SETUP	50
3.1.4 TEST RESULTS	51
3.2. FREQUENCY STABILITY MEASUREMENT	127
3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT	127
3.2.2 TEST PROCEDURE	127
3.2.3 TEST SETUP	127
3.2.4 TEST RESULTS	128
3.3. OCCUPIED BANDWIDTH MEASUREMENT	129
3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT	129
3.3.2 TEST SETUP	129
3.3.3 TEST PROCEDURES	129
3.3.4 TEST RESULTS	130
3.4. BAND EDGE MEASUREMENT	131
3.4.1 LIMITS OF BAND EDGE MEASUREMENT	131
3.4.2 TEST SETUP	132
3.4.3 TEST PROCEDURES	133
3.4.4 TEST RESULTS	134
3.5. CONDUCTED SPURIOUS EMISSIONS	135
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT	135
3.5.2 TEST PROCEDURE	135
3.5.3 TEST SETUP	135
3.5.4 TEST RESULTS	136
3.6. RADIATED EMISSION MEASUREMENT	137
3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT	137
3.6.2 TEST PROCEDURES	137
3.6.3 DEVIATION FROM TEST STANDARD	137
3.6.4 TEST SETUP	138
3.6.5 TEST RESULTS	140
3.7. PEAK TO AVERAGE RATIO	422
3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT	422
3.7.2 TEST SETUP	422
3.7.3 TEST PROCEDURES	422
3.7.4 TEST RESULTS	423
4 PHOTOGRAPHS OF THE TEST CONFIGURATION	424
5 INFORMATION ON THE TESTING LABORATORIES	425



Test Report No.: RF260714B017

**6 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB
426**



Test Report No.: RF260714B017

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF260714B017	Original release	Jul. 10, 2026

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,n25 ,n38,n41,n66,n77,n78)	Compliance	A
§22.913 (a) §27.50(c)(10)	Equivalent Radiated Power (5G NR n5,n12,n71)	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

Test Report No.: RF260714B017

§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) §27.53(g) §27.53(h) §27.53(l)(2) §27.53(m)(4)(6) §27.53(n)(2)	Radiated Spurious Emissions	Compliance	A
§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:

BOOMWAVE TEST (SHENZHEN) CO., LTD.

Lab Address:

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th Road, Chiwan Community, Zhaoshang Street, Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Accredited Test Lab Cert 7607.01

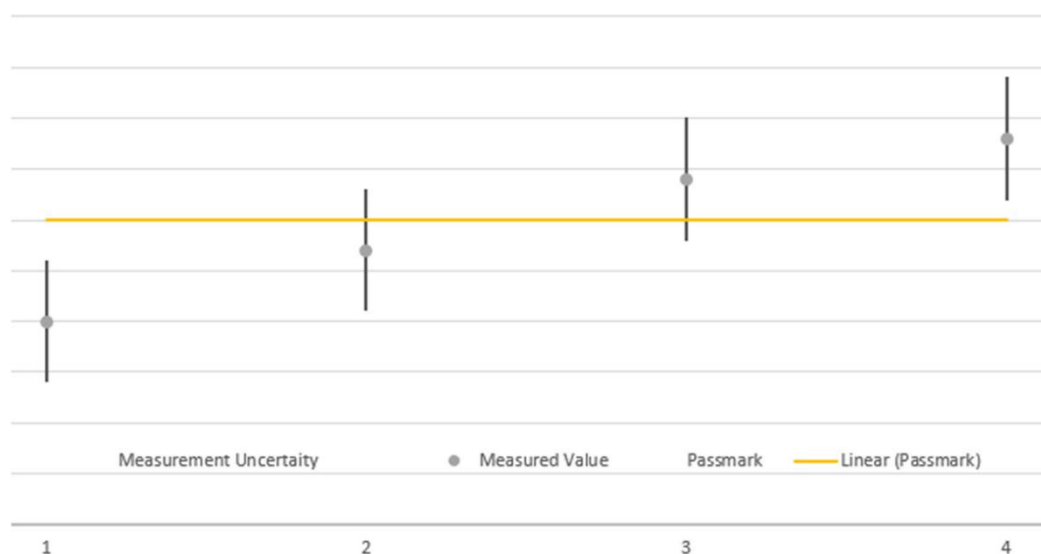
The FCC Site Registration No. is 646781; The Designation No. is CN1429.

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	$\pm 76.97\text{Hz}$
Radiated emissions (9KHz~30MHz)	$\pm 2.68\text{dB}$
Radiated emissions & Radiated Power (30MHz~1GHz)	$\pm 4.98\text{dB}$
Radiated emissions & Radiated Power (1GHz ~6GHz)	$\pm 4.70\text{dB}$
Radiated emissions (6GHz ~18GHz)	$\pm 4.60\text{dB}$
Radiated emissions (18GHz ~40GHz)	$\pm 4.12\text{dB}$
Conducted emissions	$\pm 4.01\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Conducted Output power	$\pm 2.06\text{dB}$
Band Edge Measurements	$\pm 4.70\text{dB}$

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.

Test Report No.: RF260714B017

1.2. TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	2025/7/3	2027/7/2
BiConiLog Antenna	ETS-LINDGREN	3143B	161965	2025/7/17	2027/7/16
Horn Antenna	SCHWARZBECK	BBHA9120D	3297	2025/9/27	2027/9/26
Horn Antenna	STEATITE	QWH-SL-18-40-K-SG QMS-00361	15433	2025/7/19	2027/7/18
Preamplifier	Tonscend	TPA184045	AP24L8060388	2025/7/3	2027/7/2
MXE EMI Receiver	keysight	N9038B	MY50018017	2025/7/1	2027/6/30
MXG Vector Signal Generator	Keysight	N5183B	MY59100137	2025/6/30	2027/6/29
Preamplifier	Tonscend	TPA001330	806JSAPO40804251015	2025/6/30	2027/6/29
Preamplifier	Tonscend	TPA011845	AP24L8060392	2025/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927166	2025/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927165	2025/6/30	2027/6/29
Active Receive Loop Antenna	SCHWARZBECK	FMZB 1519 B	00173	2025/6/30	2027/6/29
Temp. & Humi. Recorder	Kejian	HTC-01	157246	2025/7/2	2027/7/1
HIGH pass FILTER_1-18	EWT	EWT-57-0222	EWT-57-0222	2025/6/30	2027/6/29
HIGH pass FILTER_7-18	EWT	EWT-57-0223	EWT-57-0223	2025/6/30	2027/6/29
HIGH pass FILTER_3-18	EWT	EWT-57-0221	EWT-57-0221	2025/6/30	2027/6/29
DC~1GHz Lowpass Filter	EWT	EWT-56-0649	EWT-56-0649	2025/7/3	2027/7/2
Cable 1	N/A	N/A	N/A	2025/9/28	2027/9/27
Cable 2	N/A	N/A	N/A	2025/9/28	2027/9/27
Cable 3	N/A	N/A	N/A	2025/9/28	2027/9/27
Wireless communication integrated tester	Rohde&Schwarz	CMW500	182016	2025/6/30	2027/6/29
EXA Signal Analyzer	KEYSIGHT	N9010B	MY62170156	2025/6/30	2027/6/29
RF Control Unit	Tonscend	JS0806-1	21K8060504	2025/6/16	2027/6/15
DC Power Supply	AGILENT	HMP2020	100598	2025/7/1	2027/6/30
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-1	2025/6/30	2027/6/29
10dB attenuator	JFW	50HF-010-	50HF-010-SMA-2	2025/6/30	2027/6/29

Test Report No.: RF260714B017

	INDUSTRIES INC	SMA			
hygrothermograph	Anymetrers	----	TH101B	2025/7/22	2027/7/21
Temperature Box	zhongkemeiqi	MA22040172	MQ-DTH50F-2	2025/7/1	2027/6/30
power divider	WOKEN	71688	204-003180-01	2025/6/30	2027/6/29
5G Wireless Test Platform	StarPoint	SP9500- 20388	SP9500-20698	2025/1/17	2027/1/16
RF Control Unit	Tonscend	JS0806-1	23K80610751	2025/1/16	2027/1/15
MXA Signal Analyzer	KEYSIGHT	N9020B	MY60110626	2025/7/1	2027/6/30

NOTE:

1. The calibration interval of the above test instruments is 12 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 646781; The Designation No. is CN1429.

2 GENERAL INFORMATION

2.1. GENERAL DESCRIPTION OF EUT

PRODUCT	ALTA	
BRAND NAME	Juniper Systems	
MODEL NAME	ALT1 / FC-8000 / SHC8000	
NOMINAL VOLTAGE	3.7 Vdc	
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 2/5/12/13/14/29/30/48/66/71
	NR Band n5	LTE Band 2/7/30/48/66
	NR Band n41	LTE Band 2/25/26/66
	NR Band n66	LTE Band 2/5/7/12/13/14/29/30/48/71
	NR Band n71	LTE Band 2/66
	NR Band n77(Part27Q)/(HPUE)/(MIMO HPUE)	LTE Band 2/5/12/13/14/29/30/41/48/66/
	NR Band n77(Part27O)/(HPUE)/(MIMO HPUE)	LTE Band 2/5/12/13/14/29/30/41/48/66/
	NR Band n78(Part27Q)/(HPUE)	LTE Band 2/5/7/12/38/40/41/66

NR ENDC:

DC_12A-30A_n2A
 DC_12A-66A-66A_n2A
 DC_12A-66A_n2A
 DC_12A_n2A
 DC_13A-48A_n2A
 DC_13A-66A-66A_n2A
 DC_13A-66A_n2A
 DC_13A_n2A
 DC_14A-30A_n2A
 DC_14A-66A-66A_n2A
 DC_14A-66A_n2A
 DC_14A_n2A
 DC_29A-30A_n2A
 DC_29A-66A-66A_n2A
 DC_29A-66A_n2A
 DC_2A-12A_n2A
 DC_2A-13A_n2A
 DC_2A-14A_n2A
 DC_2A-30A_n2A
 DC_2A-5A_n2A
 DC_2A-66A-66A_n2A
 DC_2A-66A_n2A
 DC_30A-66A-66A_n2A
 DC_30A-66A_n2A
 DC_30A_n2A
 DC_48A-66A_n2A
 DC_48C-66A_n2A
 DC_5A-30A_n2A
 DC_5A-66A-66A_n2A
 DC_5A-66A_n2A
 DC_5A_n2A
 DC_66A-66A-66A_n2A
 DC_66A-66A_n2A
 DC_66A_n2A
 DC_71A_n2A
 DC_2A-2A-30A_n5A
 DC_2A-2A-66A_n5A
 DC_2A-2A_n5A
 DC_2A-30A_n5A
 DC_2A-48A_n5A
 DC_2A-48C_n5A
 DC_2A-66A-66A_n5A
 DC_2A-66A_n5A
 DC_2A_n5A
 DC_30A-66A-66A_n5A
 DC_30A-66A_n5A
 DC_30A_n5A
 DC_48A-66A_n5A

	DC_48A_n5A
	DC_48C-66A_n5A
	DC_66A-66A-66A_n5A
	DC_66A-66A_n5A
	DC_66A_n5A
	DC_7A_n5A
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	DC_12A-66A_n66A
	DC_12A_n66A
	DC_13A-48A_n66A
	DC_13A-66A_n66A
	DC_13A_n66A
	DC_14A-30A_n66A
	DC_14A-66A_n66A
	DC_14A_n66A
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	DC_2A-29A_n66A
	DC_2A-2A-12A_n66A
	DC_2A-2A-14A_n66A
	DC_2A-2A-30A_n66A
	DC_2A-2A_n66A
	DC_2A-30A_n66A
	DC_2A-5A_n66A
	DC_2A-66A_n66A
	DC_2A_n66A
	DC_30A-66A_n66A
	DC_30A_n66A
	DC_48A_n66A
	DC_5A_n66A
	DC_71A_n66A
	DC_7A_n66A
	DC_7C_n66A
	DC_2A-2A_n71A
	DC_2A-66A_n71A
	DC_2A_n71A
	DC_66A_n71A
	DC_66C_n71A
	DC_12A-30A_n77A
	DC_12A-66A-66A_n77A
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	DC_13A-66A_n77A
	DC_13A_n77A

DC_14A-30A_n77A
DC_14A-66A-66A_n77A
DC_14A-66A_n77A
DC_14A_n77A
DC_29A-30A_n77A
DC_29A-66A-66A_n77A
DC_29A-66A_n77A
DC_2A-12A_n77A
DC_2A-13A_n77A
DC_2A-14A_n77A
DC_2A-29A_n77A
DC_2A-2A-12A_n77A
DC_2A-2A-13A_n77A
DC_2A-2A-14A_n77A
DC_2A-2A-29A_n77A
DC_2A-2A-30A_n77A
DC_2A-2A-5A_n77A
DC_2A-2A-66A_n77A
DC_2A-2A_n77A
DC_2A-30A_n77A
DC_2A-48A_n77A
DC_2A-48C_n77A
DC_2A-5A_n77A
DC_2A-66A-66A_n77A
DC_2A-66A_n77A
DC_2A_n77A
DC_30A-66A-66A_n77A
DC_30A-66A_n77A
DC_30A_n77A
DC_3A-66A_n77A
DC_41A_n77A
DC_48A-66A_n77A
DC_48C-66A_n77A
DC_5A-30A_n77A
DC_5A-48A_n77A
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DC_5A_n77A
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DC_66A_n77A
DC_12A_n78A
DC_2A_n78A
DC_38A_n78A
DC_40A_n78A
DC_40C_n78A
DC_41A_n78A
DC_5A_n78A

DC_66A_n78A
DC_7A_n78A
DC_7C_n78A
DC_41A_n79A
DC_2A-(n)5AA
DC_2A-(n)71AA
DC_2A-2A-(n)5AA
DC_2A-66A-n71A
DC_30A-(n)5AA
DC_66A-(n)5AA
DC_66A-(n)71AA
DC_66A-66A-(n)5AA

NR SA CA:

UL&DL:

CA_n25A-n41A
CA_n25A-n41A-n66A
CA_n25A-n41A-n71A
CA_n25A-n48A-n66A
CA_n25A-n66(2A)
CA_n25A-n66A
CA_n25A-n66A-n71A
CA_n25A-n71(2A)
CA_n25A-n71A
CA_n25A-n71B
CA_n25A-n77A
CA_n28A-n41A
CA_n28A-n79A
CA_n29A-n66(2A)
CA_n29A-n66A
CA_n2A-n30A
CA_n2A-n30A-n66A
CA_n2A-n48A-n66A
CA_n2A-n5A
CA_n2A-n5A-n30A
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CA_n5A-n30A
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CA_n5A-n77A
CA_n5B-n66A
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CA_n66A-n71(2A)
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CA_n66A-n77A
CA_n71A-n77A
CA_n71B-n77A
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CA_n25(2A)-n71A
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CA_n2A-n5A-n77A
CA_n2A-n5B
CA_n2A-n66A-n77A
CA_n30A-n66A-n77A
CA_n41(2A)
CA_n41C
CA_n48A-n77A
CA_n5A-n30A-n77A
CA_n5A-n66A-n77A
CA_n5B
CA_n66(2A)
CA_n66(2A)-n71A
CA_n66(2A)-n77A
CA_n66(3A)
CA_n66A-n71A-n77A
CA_n66B

	CA_n71(2A) CA_n71(2A)-n77A CA_n71B CA_n77(2A) CA_n77C	
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 n25	1852.5MHz ~ 1912.5MHz
	NR Band n30	2307.5MHz ~ 2312.5MHz
	NR Band n41/(HPUE)	2501.01MHz ~ 2685MHz
	NR Band n66	1712.5MHz ~ 1777.5MHz
	NR Band n71	665.5MHz ~ 695.5MHz
	NR Band n77(Part27Q)(HUPE)(MIMO)(MIMO HUPE)	3460.02MHz ~ 3540MHz
	NR Band n77(Part27O)(HUPE)(MIMO)(MIMO HUPE)	3710.01MHz ~ 3969.99MHz
	NR Band n78(Part27Q)(HUPE)(MIMO)(MIMO HUPE)	3460.02MHz ~ 3540MHz
EMISSION DESIGNATOR	NR Band n5 Channel Bandwidth: 5MHz	QPSK: 4M56G7D 16QAM: 4M56W7D Pi/2BPSK: 4M54G7D
	NR Band n7 Channel Bandwidth: 5MHz	QPSK: 4M55G7D 16QAM: 4M56W7D Pi/2BPSK: 4M54G7D
	NR Band n25 Channel Bandwidth: 5MHz	QPSK: 4M57G7D 16QAM: 4M57W7D Pi/2BPSK: 4M55G7D
	NR Band 30 Channel Bandwidth: 10MHz	QPSK: 9M02G7D 16QAM: 9M00W7D Pi/2BPSK: 9M07G7D
	NR Band n41 Channel Bandwidth: 20MHz	QPSK: 18M2G7D 16QAM: 18M3W7D Pi/2BPSK: 18M2G7D

	NR Band n66 Channel Bandwidth: 5MHz	QPSK: 4M54G7D 16QAM: 4M55W7D Pi/2BPSK: 4M55G7D
	NR Band n71 Channel Bandwidth: 5MHz	QPSK: 4M54G7D 16QAM: 4M56W7D Pi/2BPSK: 4M55G7D
	NR Band 77(Part27Q) Channel Bandwidth: 20MHz	QPSK: 18M1G7D 16QAM: 18M1W7D Pi/2BPSK: 18M1G7D
	NR Band 77(Part27Q) Channel Bandwidth: 20MHz	QPSK: 17M9G7D 16QAM: 18M0W7D 64QAM: 17M9W7D 256QAM: 17M9W7D Pi/2BPSK: 17M9G7D
	NR Band 77(Part27Q) Channel Bandwidth: 30MHz	QPSK: 26M8G7D 16QAM: 26M9W7D 64QAM: 26M8W7D 256QAM: 26M8W7D Pi/2BPSK: 26M8G7D
	NR Band 77(Part27Q) Channel Bandwidth: 40MHz	QPSK: 35M7G7D 16QAM: 35M8W7D 64QAM: 35M8W7D 256QAM: 35M7W7D Pi/2BPSK: 35M7G7D
	NR Band 77(Part27Q) Channel Bandwidth: 60MHz	QPSK: 57M8G7D 16QAM: 57M7W7D 64QAM: 57M8W7D 256QAM: 57M8W7D Pi/2BPSK: 57M6G7D
	NR Band 77(Part27Q) Channel Bandwidth: 80MHz	QPSK: 77M1G7D 16QAM: 76M8W7D 64QAM: 77M1W7D 256QAM: 77M0W7D Pi/2BPSK: 77M0G7D
	NR Band 77(Part27Q) Channel Bandwidth: 100MHz	QPSK: 96M3G7D 16QAM: 96M5W7D 64QAM: 96M2W7D 256QAM: 96M2W7D Pi/2BPSK: 96M0G7D

	NR Band 77(Part27O) Channel Bandwidth: 20MHz	QPSK: 18M1G7D 16QAM: 18M1W7D Pi/2BPSK: 18M1G7D
	NR Band 77(Part27O) Channel Bandwidth: 20MHz	QPSK: 17M9G7D 16QAM: 18M0W7D 64QAM: 17M9W7D 256QAM: 17M9W7D Pi/2BPSK: 17M9G7D
	NR Band 77(Part27O) Channel Bandwidth: 30MHz	QPSK: 26M9G7D 16QAM: 26M8W7D 64QAM: 26M9W7D 256QAM: 26M8W7D Pi/2BPSK: 26M9G7D
	NR Band 77(Part27O) Channel Bandwidth: 40MHz	QPSK: 35M9G7D 16QAM: 35M9W7D 64QAM: 35M9W7D 256QAM: 35M9W7D Pi/2BPSK: 35M9G7D
	NR Band 77(Part27O) Channel Bandwidth: 60MHz	QPSK: 57M9G7D 16QAM: 58M0W7D 64QAM: 58M1W7D 256QAM: 57M7W7D Pi/2BPSK: 57M9G7D
	NR Band 77(Part27O) Channel Bandwidth: 80MHz	QPSK: 77M5G7D 16QAM: 77M2W7D 64QAM: 77M4W7D 256QAM: 77M1W7D Pi/2BPSK: 77M4G7D
	NR Band 77(Part27O) Channel Bandwidth: 100MHz	QPSK: 96M5G7D 16QAM: 96M6W7D 64QAM: 96M2W7D 256QAM: 96M2W7D Pi/2BPSK: 96M3G7D
	NR Band 78(Part27Q) Channel Bandwidth: 20MHz	QPSK: 18M1G7D 16QAM: 18M1W7D Pi/2BPSK: 18M1G7D

	NR Band 78(Part27Q) Channel Bandwidth: 50MHz	QPSK: 45M7G7D 16QAM: 45M6W7D 64QAM: 45M6W7D 256QAM: 45M7W7D Pi/2BPSK: 45M6G7D
	NR Band 78(Part27Q) Channel Bandwidth: 70MHz	QPSK: 64M3G7D 16QAM: 64M1W7D 64QAM: 64M1W7D 256QAM: 64M2W7D Pi/2BPSK: 64M2G7D
	NR Band 78(Part27Q) Channel Bandwidth: 90MHz	QPSK: 86M6G7D 16QAM: 86M8W7D 64QAM: 86M5W7D 256QAM: 86M7W7D Pi/2BPSK: 86M6G7D
5G SA MAX. EIRP	NR Band n2 Channel Bandwidth: 10MHz	190.11 mW
	NR Band n2 Channel Bandwidth: 15MHz	188.36 mW
	NR Band n2 Channel Bandwidth: 20MHz	208.45 mW
	NR Band n5 Channel Bandwidth: 5MHz	106.41 mW
	NR Band n5 Channel Bandwidth: 10MHz	102.33 mW
	NR Band n5 Channel Bandwidth: 15MHz	104.47 mW
	NR Band n5 Channel Bandwidth: 20MHz	189.67 mW
	NR Band n7 Channel Bandwidth: 5MHz	228.56 mW
	NR Band n7 Channel Bandwidth: 10MHz	230.67 mW

	NR Band n7 Channel Bandwidth: 15MHz	225.42 mW
	NR Band n7 Channel Bandwidth: 20MHz	248.31 mW
	NR Band n25 Channel Bandwidth: 5MHz	187.93 mW
	NR Band n25 Channel Bandwidth: 10MHz	194.54 mW
	NR Band n25 Channel Bandwidth: 15MHz	204.17 mW
	NR Band n25 Channel Bandwidth: 20MHz	205.12 mW
	NR Band n30 Channel Bandwidth: 10MHz	217.77 mW
	NR Band n41 Channel Bandwidth: 20MHz	654.64 mW
	NR Band n41 Channel Bandwidth: 30MHz	687.07 mW
	NR Band n41 Channel Bandwidth: 40MHz	688.65 mW
	NR Band n41 Channel Bandwidth: 50MHz	671.43 mW
	NR Band n41 Channel Bandwidth: 60MHz	695.02 mW
	NR Band n41 Channel Bandwidth: 70MHz	615.18 mW
	NR Band n41 Channel Bandwidth: 80MHz	636.80 mW

	NR Band n41 Channel Bandwidth: 90MHz	669.88 mW
	NR Band n41 Channel Bandwidth: 100MHz	696.63 mW
	NR Band n41(HUPE) Channel Bandwidth: 20MHz	654.64 mW
	NR Band n41(HUPE) Channel Bandwidth: 30MHz	687.07 mW
	NR Band n41(HUPE) Channel Bandwidth: 40MHz	688.65 mW
	NR Band n41(HUPE) Channel Bandwidth: 50MHz	671.43 mW
	NR Band n41(HUPE) Channel Bandwidth: 60MHz	695.02 mW
	NR Band n41(HUPE) Channel Bandwidth: 70MHz	615.18 mW
	NR Band n41(HUPE) Channel Bandwidth: 80MHz	636.80 mW
	NR Band n41(HUPE) Channel Bandwidth: 90MHz	669.88 mW
	NR Band n41(HUPE) Channel Bandwidth: 100MHz	696.63 mW
	NR Band n66 Channel Bandwidth: 5MHz	284.45 mW
	NR Band n66 Channel Bandwidth: 10MHz	283.79 mW
	NR Band n66 Channel Bandwidth: 15MHz	286.42 mW

	NR Band n66 Channel Bandwidth: 20MHz	293.09 mW
	NR Band n66 Channel Bandwidth: 30MHz	295.80 mW
	NR Band n71 Channel Bandwidth: 5MHz	45.60 mW
	NR Band n71 Channel Bandwidth: 10MHz	45.50 mW
	NR Band n71 Channel Bandwidth: 15MHz	46.13 mW
	NR Band n71 Channel Bandwidth: 20MHz	46.45 mW
	NR Band 77(Part27Q) Channel Bandwidth: 20MHz	399.94 mW
	NR Band 77(Part27Q) Channel Bandwidth: 30MHz	389.05 mW
	NR Band 77(Part27Q) Channel Bandwidth: 40MHz	391.74 mW
	NR Band 77(Part27Q) Channel Bandwidth: 60MHz	395.37 mW
	NR Band 77(Part27Q) Channel Bandwidth: 80MHz	400.87 mW
	NR Band 77(Part27Q) Channel Bandwidth: 100MHz	419.76 mW
	NR Band 77(Part27O) Channel Bandwidth: 20MHz	377.57 mW
	NR Band 77(Part27O) Channel Bandwidth: 30MHz	407.38 mW
	NR Band 77(Part27O) Channel Bandwidth: 40MHz	418.79 mW
	NR Band 77(Part27O) Channel Bandwidth: 60MHz	414.00 mW

Test Report No.: RF260714B017

	NR Band 77(Part27O) Channel Bandwidth: 80MHz	414.00 mW
	NR Band 77(Part27O) Channel Bandwidth: 100MHz	429.54 mW
	NR Band 78(Part27Q) Channel Bandwidth: 20MHz	289.07 mW
	NR Band 78(Part27Q) Channel Bandwidth: 30MHz	288.40 mW
	NR Band 78(Part27Q) Channel Bandwidth: 40MHz	290.40 mW
	NR Band 78(Part27Q) Channel Bandwidth: 50MHz	287.74 mW
	NR Band 78(Part27Q) Channel Bandwidth: 60MHz	288.40 mW
	NR Band 78(Part27Q) Channel Bandwidth: 70MHz	290.40 mW
	NR Band 78(Part27Q) Channel Bandwidth: 80MHz	289.07 mW
	NR Band 78(Part27Q) Channel Bandwidth: 90MHz	287.08 mW
	NR Band 78(Part27Q) Channel Bandwidth: 100MHz	292.42 mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 20MHz	682.34 mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 30MHz	679.20 mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 40MHz	679.20 mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 60MHz	682.34 mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 80MHz	679.20 mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 100MHz	732.82 mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 20MHz	779.83 mW

Test Report No.: RF260714B017

	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 30MHz	770.90 mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 40MHz	770.90 mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 60MHz	762.08 mW
	NR Band 77(Part27O) (HPUE) Channel Bandwidth: 80MHz	772.68 mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 100MHz	783.43 mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 20MHz	477.53 mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 30MHz	481.95 mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 40MHz	481.95 mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 50MHz	478.63 mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 60MHz	480.84 mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 70MHz	480.84 mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 80MHz	481.95 mW
	NR Band 78(Part27Q) (HPUE) Channel Bandwidth: 90MHz	481.95 mW
	NR Band 78(Part27Q)(HPUE) Channel Bandwidth: 100MHz	495.45 mW
	NR Band 77(Part27Q) (MIMO HPUE) Channel Bandwidth: 20MHz	500.28 mW
	NR Band 77(Part27Q) (MIMO HPUE) Channel Bandwidth: 30MHz	500.05 mW

	NR Band 77(Part27Q) (MIMO HPUE) Channel Bandwidth: 40MHz	501.43 mW
	NR Band 77(Part27Q) (MIMO HPUE) Channel Bandwidth: 60MHz	504.59 mW
	NR Band 77(Part27Q) (MIMO HPUE) (MIMO HPUE) Channel Bandwidth: 80MHz	510.88 mW
	NR Band 77(Part27Q) (HPUE) Channel Bandwidth: 100MHz	513.14 mW
	NR Band 77(Part27O) (MIMO HPUE) Channel Bandwidth: 20MHz	545.07 mW
	NR Band 77(Part27O) (MIMO HPUE) Channel Bandwidth: 30MHz	539.64 mW
	NR Band 77(Part27O) (MIMO HPUE) Channel Bandwidth: 40MHz	553.24 mW
	NR Band 77(Part27O) (MIMO HPUE)Channel Bandwidth: 60MHz	546.28 mW
	NR Band 77(Part27O) (MIMO HPUE)Channel Bandwidth: 80MHz	540.27 mW
	NR Band 77(Part27Q) (MIMO HPUE) Channel Bandwidth: 100MHz	554.51 mW
	NR Band 78(Part27Q) (MIMO HPUE) Channel Bandwidth: 20MHz	372.43 mW
	NR Band 78(Part27Q) (MIMO HPUE) Channel Bandwidth: 30MHz	365.96 mW

Test Report No.: RF260714B017

	NR Band 78(Part27Q) (MIMO HPUE) Channel Bandwidth: 40MHz	368.90 mW
	NR Band 78(Part27Q) (MIMO HPUE) Channel Bandwidth: 50MHz	367.87 mW
	NR Band 78(Part27Q) (MIMO HPUE) Channel Bandwidth: 60MHz	368.90 mW
	NR Band 78(Part27Q) (MIMO HPUE) Channel Bandwidth: 70MHz	364.86 mW
	NR Band 78(Part27Q) (MIMO HPUE) Channel Bandwidth: 80MHz	362.03 mW
	NR Band 78(Part27Q) (MIMO HPUE) Channel Bandwidth: 90MHz	371.36 mW
	NR Band 78(Part27Q) (MIMO HPUE) Channel Bandwidth: 100MHz	385.88 mW
ANTENNA TYPE	Fixed Internal Antenna	
ANTENN	☒ Provided by client	
	N2	ANT0 -0.5dBi
		ANT2 -2.64dBi
	N5	ANT0 -1.14dBi
	N7	ANT0 -0.59dBi
	N25	ANT0 -0.55dBi
		ANT2 -2.64dBi
	N30	ANT0 -0.5dBi
		ANT2 -0.8dBi
	N38	ANT0 -0.44dBi
	N41	ANT0 -0.44dBi
		ANT2 1.94dBi
	N66	ANT0 -0.56dBi
		ANT2 -4.48dBi
	N71	ANT0 -5.31dBi
	N77	ANT1 3.12dBi

Test Report No.: RF260714B017

	N78	ANT1	1.6dBi
HW VERSION	DVT2		
SW VERSION	JP_W.00.00.0128.T1_USERDEBUG		
I/O PORTS	Refer to user's manual		
CABLE SUPPLIED	N/A		
EXTREME TEMPERATURE	-29°C to 63 °C		
EXTREME VOLTAGE	3.4V to 4.2V		

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receivers for N5/7/38/71/77/78, two completed transmitter and two receivers for N2/25/30/41/66.

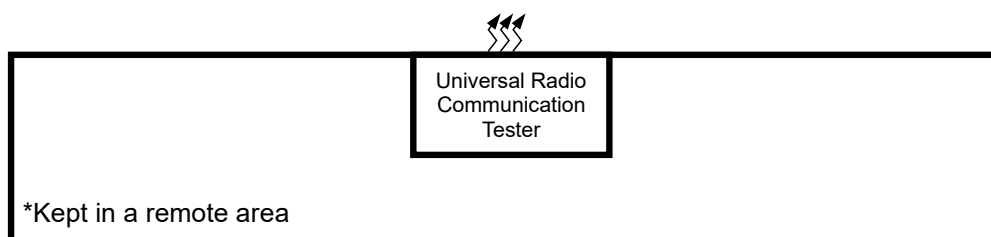
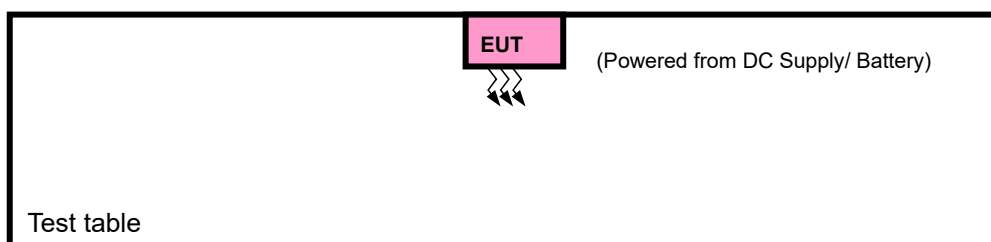
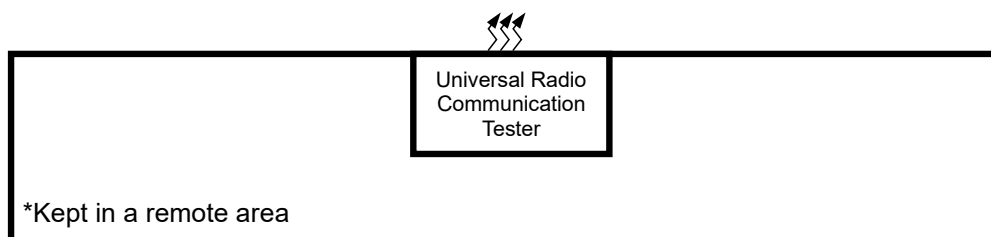
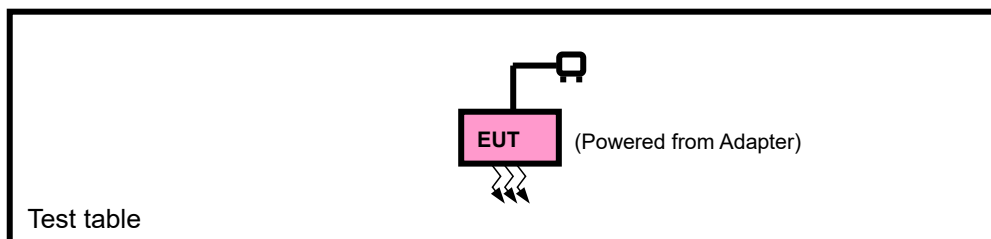
MODULATION MODE	TX FUNCTION
N5/7/38/71/77/78	1TX/1RX
N2/25/30/41/66	2TX/2RX

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. Max ERP/EIRP is according to Max conducted power calculate for SA.
5. **List of Accessory:**

ACCESSORIES	BRAND	MANUFACTURER	MODEL	SPECIFICATION
Battery 1	NA	Fullymax Battery Co., Ltd.	FBC442760	3.7Vdc, 700mAh
Battery 2	NA	Fullymax Battery Co., Ltd.	FBC6570106	3.8Vdc, 5700mAh
Battery 3	NA	Fullymax Battery Co., Ltd.	FBC8570106	3.7Vdc, 15000mAh
AC Adapter 1	Juniper	SHENZHEN MERRYKING ELECTRONICS CO.,LTD.	MK-P301EXC	I/P: 100-240Vac, 800mA, O/P: 12Vdc,2500mA
USB Cable 1	CONSHARE	CONSHARE	80.10.320002	1.0 meter

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	N/A

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/N2+N48 / N2+N77)

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	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	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.

3. SA n2 are covered by SA n25, Because it is a subset of SA n25 with the same output power and supported bandwidths, So the conducted test data please refer to SA n25.

5G NR n5 MODE (SA_n5/N5+N48 / N5+N66 / N5+N77)

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	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
B	FREQUENCY STABILITY	166800 to 167800	166800 to 167800	Low, High	20MHz	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
							Outer_ Full
		166300 to 168300	166300 to 168300	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		166800 to 167800	166800 to 167800	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
A	OCCUPIED BANDWIDTH	165300 to 169300	165300 to 169300	Middle	5MHz	Pi/2BPSK, QPSK, 16QAM	Outer_ Full
A	BAND EDGE	165300 to 169300	165300 to 169300	Low	5MHz	QPSK	1RB/ 0RB Offset

Test Report No.: RF260714B017

							Outer_ Full
				High	5MHz	QPSK	1RB/ 24RB Offset
							Outer_ Full
		165800 to 168800	165800 to 168800	Low	10MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
				High	10MHz	QPSK	1RB/ 51RB Offset
							Outer_ Full
		166800 to 167800	166800 to 167800	Low	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
				High	20MHz	QPSK	1RB/ 105RB Offset
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
		166800 to 167800	166800 to 167800	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	165300 to 169300	165300 to 169300	Low, Middle, High	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	AVAILABLE CP-OFDM CHANNEL	AVAILABLE 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

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Test Report No.: RF260714B017

		502000 to 512000	502000 to 512000	Low, Middle, High	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
B	FREQUENCY STABILITY	502000 to 512000	502000 to 512000	Low,High	20MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	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	Outer_ Full
		501500 to 512500	501500 to 512500	Low, Middle, High	15MHz	QPSK	
		502000 to 512000	502000 to 512000	Low, Middle, High	20MHz	QPSK	
A	OCCUPIED BANDWIDTH	500500 to 513500	500500 to 513500	Middle	5MHz	Pi/2BPSK,QPSK,16QAM	Outer_ Full
A	BAND EDGE	500500 to 513500	500500 to 513500	Low	5MHz	QPSK	1RB/ 0RB Offset
				High	5MHz	QPSK	Outer_ Full
		51000 to 513000	51000 to 513000	Low	10MHz	QPSK	1RB/ 24RB Offset
				High	10MHz	QPSK	Outer_ Full
		502000 to 512000	502000 to 512000	Low	20MHz	QPSK	1RB/ 0RB Offset
				High	20MHz	QPSK	Outer_ Full
		500500 to 513500	500500 to 513500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
				Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
A	CONDUCTED EMISSION	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
		502000 to 512000	502000 to 512000	Low, Middle, High	20MHz	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	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		502000 to 512000	502000 to 512000	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.

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

5G NR n25 MODE(SA_n25)

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 382500	370500 to 382500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		371000 to 382000	371000 to 382000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		371500 to 381500	371500 to 381500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		372000 to 381000	372000 to 381000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
B	FREQUENCY STABILITY	372000 to 381000	372000 to 381000	Low,High	20MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	370500 to 382500	370500 to 382500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		371000 to 382000	371000 to 382000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		371500 to 381500	371500 to 381500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		372000 to 381000	372000 to 381000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
A	OCCUPIED BANDWIDTH	370500 to 382500	370500 to 382500	Middle	5MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		371000 to 382000	371000 to 382000	Middle	10MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		371500 to 381500	371500 to 381500	Middle	15MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		372000 to 381000	372000 to 381000	Middle	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	370500 to 382500	370500 to 382500	Low	5MHz	QPSK	1RB/ 0RB Offset
				High	5MHz	QPSK	Outer_ Full
		371000 to 382000	371000 to 382000	Low	10MHz	QPSK	1RB/ 0RB Offset
				High	10MHz	QPSK	Outer_ Full
		371500 to 381500	371500 to 381500	Low	15MHz	QPSK	1RB/ 0RB Offset
				High	15MHz	QPSK	Outer_ Full
		372000 to 381000	372000 to 381000	Low	15MHz	QPSK	1RB/ 0RB Offset
				High	15MHz	QPSK	Outer_ Full
		371000 to 382000	371000 to 382000	Low	10MHz	QPSK	1RB/ 0RB Offset
				High	10MHz	QPSK	Outer_ Full
		370500 to 382500	370500 to 382500	Low	5MHz	QPSK	1RB/ 0RB Offset
				High	5MHz	QPSK	Outer_ Full

Test Report No.: RF260714B017

							Outer_Full
				High	15MHz	QPSK	1RB/ 215 RB Offset
							Outer_Full
A	CONDUCTED EMISSION	370500 to 382500	370500 to 382500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		371000 to 382000	371000 to 382000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		371500 to 381500	371500 to 381500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		372000 to 381000	372000 to 381000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	370500 to 382500	370500 to 382500	Middle	5MHz	QPSK	1RB/ 0RB Offset
		371000 to 382000	371000 to 382000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		371500 to 381500	371500 to 381500	Middle	15MHz	QPSK	1RB/ 0RB Offset
		372000 to 381000	372000 to 381000	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_n25

5G NR n30 MODE (SA_n30)

EUT CONFIGU RE MODE	TEST ITEM	AVAILAB LE CP- OFDM CHANNE L	AVAILABL E DFT-S- OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S- OFDM) (INCLUDE CP-OFDM)
A	ERP	462000	462000	Middle	10MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	FREQUENCY STABILITY	462000	462000	Middle	10MHz	QPSK	Outer_Full
A	PEAK TO AVERAGE RATIO	462000	462000	Low, Middle, High	10MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	OCCUPIED BANDWIDTH	462000	462000	Middle	10MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_Full
A	BAND EDGE	462000 462000	462000 462000	Middle	10MHz	QPSK	1RB/ 0RB Offset
							1RB/ 78RB Offset
				High	5MHz	QPSK	Outer_Full
							1RB/ 0RB Offset

Test Report No.: RF260714B017

A	CONDUCTED EMISSION	462000	462000	Middle	10MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	462000	462000	Middle	10MHz	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 _n30.

5G NR n38 MODE (SA_n38)

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	516000 to 522000	516000 to 522000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		517000 to 521000	517000 to 521000	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
		518000 to 520000	518000 to 520000	Low, Middle, High	40MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	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 n38.

3. SA n38 are covered by SA n41, Because it is a subset of SA n41 with the same output power and supported bandwidths, So the conducted test data and RSE test data please refer to SA n41.

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	501204 to 535998	501204 to 535998	Low, Middle, High	20MHz	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

Test Report No.: RF260714B017

		505200 to 531996	505200 to 531996	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
		505202 to 531000	505202 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	501204 to 535998	501204 to 535998	Low, High	20MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	501204 to 535998	501204 to 535998	Low, Middle, High	20MHz	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
		505202 to 531000	505202 to 531000	Low, Middle, High	70MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
A	OCCUPIED BANDWIDTH	501204 to 535998	501204 to 535998	Middle	20MHz	Pi/2BPSK,QPSK,16QAM	Outer_ Full
							Outer_ Full
A	BAND EDGE	501204 to 535998	501204 to 535998	Low	20MHz	QPSK	1RB/ 0RB Offset
				High	20MHz	QPSK	1RB/ 50RB Offset
		505200 to 531996	505200 to 531996	Low	60MHz	QPSK	1RB/ 0RB Offset
				High	60MHz	QPSK	1RB/ 161RB Offset
		509202 to 528000	509202 to 528000	Low	100MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		501204 to 535998	501204 to 535998	Low	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full

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Test Report No.: RF260714B017

A	CONDUCTED EMISSION			High	100MHz	QPSK	1RB/ 272RB Offset
							Outer Full
		501204 to 535998	501204 to 535998	Low, Middle, High	20MHz	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
		505202 to 531000	505202 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
A	RADIATED EMISSION	501204 to 535998	501204 to 535998	Middle	20MHz	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
		505202 to 531000	505202 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	Low, Middle, High	90MHz	QPSK	1RB/ 0RB Offset
		509202 to 528000	509202 to 528000	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.

2. The test data presented in the report from worst 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	342500 to 355500	342500 to 355500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		343000 to 355000	343000 to 355000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		343500 to 354500	343500 to 354500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		344000 to 354000	344000 to 354000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		345000 to 353000	345000 to 353000	Low, Middle, High	30MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	FREQUENCY STABILITY	344000 to 354000	344000 to 354000	Low, High	20MHz	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
		344000 to 354000	344000 to 354000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
A	OCCUPIED BANDWIDTH	342500 to 355500	342500 to 355500	Middle	5MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
							Outer_ Full
A	BAND EDGE	502008 to 535998	502008 to 535998	Low	5MHz	QPSK	1RB/ 0RB Offset
				High	5MHz	QPSK	1RB/ 24RB Offset
		343000 to 355000	343000 to 355000	Low	10MHz	QPSK	Outer_ Full
				High	10MHz	QPSK	1RB/ 105RB Offset
		343500 to 354500	343500 to 354500	Low	15MHz	QPSK	Outer_ Full
				High	15MHz	QPSK	1RB/ 215RB Offset
		344000 to 354000	344000 to 354000	Low	20MHz	QPSK	Outer_ Full
							Outer_ Full
		344000 to 354000	344000 to 354000	Low	20MHz	QPSK	Outer_ Full
							Outer_ Full

Test Report No.: RF260714B017

				High	20MHz	QPSK	1RB/ 215RB Offset
							Outer_ Full
		345000 to 353000	345000 to 353000	Low	30MHz	QPSK	1RB/ 215RB Offset
				High	30MHz	QPSK	Outer_ Full
A	CONDUCTED EMISSION	342500 to 355500	342500 to 355500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		343000 to 355000	343000 to 355000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		343500 to 354500	343500 to 354500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		344000 to 354000	344000 to 354000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		345000 to 353000	345000 to 353000	Low, Middle, High	30MHz	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	Low, Middle, High	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
		345000 to 353000	345000 to 353000	Middle	30MHz	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_n66.

5G NR n71 MODE (SA_n71)

EUT CONFIGURE MODE	TESWT ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S- OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT- S-OFDM) (INCLUDE CP-OFDM)
A	ERP	133100 to 139100	133100 to 139100	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		133600 to 138600	133600 to 138600	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		134100 to 138100	134100 to 138100	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset

Test Report No.: RF260714B017

		134600 to 137600	134600 to 137600	Low, Middle, High	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	FREQUENCY STABILITY	134600 to 137600	134600 to 137600	Low, High	20MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	133100 to 139100	133100 to 139100	Low, Middle, High	5MHz	QPSK	Outer_ Full
		133600 to 138600	133600 to 138600	Low, Middle, High	10MHz	QPSK	Outer_ Full
		134100 to 138100	134100 to 138100	Low, Middle, High	15MHz	QPSK	Outer_ Full
		134600 to 137600	134600 to 137600	Low, Middle, High	20MHz	QPSK	Outer_ Full
A	OCCUPIED BANDWIDTH	133100 to 139100	133100 to 139100	Middle	5MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	133100 to 139100	133100 to 139100	Low	5MHz	QPSK	1RB/ 0RB Offset
							1RB/ 24RB Offset
							Outer_ Full
		133600 to 138600	133600 to 138600	High	5MHz	QPSK	1RB/ 0RB Offset
							1RB/ 24RB Offset
							Outer_ Full
		134100 to 138100	134100 to 138100	Low	10MHz	QPSK	1RB/ 0RB Offset
							1RB/ 51RB Offset
							Outer_ Full
		134600 to 137600	134600 to 137600	High	10MHz	QPSK	1RB/ 0RB Offset
							1RB/ 51RB Offset
							Outer_ Full
		133100 to 139100	133100 to 139100	Low	15MHz	QPSK	1RB/ 0RB Offset
							1RB/ 78RB Offset
							Outer_ Full
		133600 to 138600	133600 to 138600	High	15MHz	QPSK	1RB/ 0RB Offset
							1RB/ 78RB Offset
							Outer_ Full

Test Report No.: RF260714B017

		133600 to 138600	133600 to 138600	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		134100 to 138100	134100 to 138100	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		134600 to 137600	134600 to 137600	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	133100 to 139100	133100 to 139100	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		133600 to 138600	133600 to 138600	Middle	10MHz	QPSK	1RB/ 0RB Offset
		134100 to 138100	134100 to 138100	Middle	15MHz	QPSK	1RB/ 0RB Offset
		134600 to 137600	134600 to 137600	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_n71.

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	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	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
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	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	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	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
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	Outer_ Full
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	Outer_ Full
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	QPSK	Outer_ Full

Test Report No.: RF260714B017

A	OCCUPIED BANDWIDTH	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	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
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	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
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	647334 to 664666	647334 to 664666	Low	20MHz	QPSK	1RB/ 1RB Offset
				High	20MHz	QPSK	Outer_ Full
		648668 to 663332	648668 to 663332	Low	60MHz	QPSK	1RB/ 1RB Offset
				High	60MHz	QPSK	Outer_ Full
		650000 to 662000	650000 to 662000	Low	100MHz	QPSK	1RB/ 1RB Offset
				High	100MHz	QPSK	Outer_ Full
		647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
				Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	647334 to 664666	647334 to 664666	Low,Middle,High	20MHz	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
		648668 to 663332	648668 to 663332	Middle	60MHz	QPSK	1RB/ 0RB Offset
		649334 to 662666	649334 to 662666	Middle	80MHz	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.

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

Test Report No.: RF260714B017

5G NR n77(Part270) 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	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	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
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	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	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	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
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	Outer_ Full
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	QPSK	Outer_ Full
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	QPSK	Outer_ Full
A	OCCUPIED BANDWIDTH	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	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
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	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
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
	BAND EDGE	647334 to 664666	647334 to 664666	Low	20MHz	QPSK	1RB/ 1RB Offset
				High	20MHz	QPSK	Outer_ Full
							Outer_ Full
		648668 to 663332	648668 to 663332	Low	60MHz	QPSK	1RB/ 1RB Offset
				High	60MHz	QPSK	Outer_ Full
							Outer_ Full

Test Report No.: RF260714B017

							Outer Full
		650000 to 662000	650000 to 662000	Low	100MHz	QPSK	1RB/ 1RB Offset
				High	100MHz	QPSK	Outer Full
							1RB/ 1RB Offset
	CONDUCTED EMISSION	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	QPSK	Outer Full
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	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
		648668 to 663332	648668 to 663332	Middle	60MHz	QPSK	1RB/ 0RB Offset
		649334 to 662666	649334 to 662666	Middle	80MHz	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.

2. The test data presented in the report from worst SA_n77(Part 27O).

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	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	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

Test Report No.: RF260714B017

		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	648336 to 663666	648336 to 663666	Low, High	50MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	Outer_ Full
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	Outer_ Full
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	Outer_ Full
A	OCCUPIED BANDWIDTH	648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	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
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
	BAND EDGE	648336 to 663666	648336 to 663666	Low	50MHz	QPSK	1RB/ 1RB Offset
				High	50MHz	QPSK	Outer_ Full
		632664 to 634332	632664 to 634332	Low	70MHz	QPSK	1RB/ 1RB Offset
				High	70MHz	QPSK	Outer_ Full
		633000 to 633666	633000 to 633666	Low	90MHz	QPSK	1RB/ 1RB Offset
				High	90MHz	QPSK	Outer_ Full
							1RB/ 1RB Offset
							Outer_ Full
	CONDUCTED EMISSION	648336 to 663666	648336 to 663666	Low, Middle, High	50MHz	QPSK	1RB/ 0RB Offset
		632664 to 634332	632664 to 634332	Low, Middle, High	70MHz	QPSK	1RB/ 0RB Offset
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	647334 to 664666	647334 to 664666	Middle	20MHz	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	Low, Middle, High	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

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Test Report No.: RF260714B017

		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 3.7V By Battery	Carl Xie
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.4/3.7/4.2V By DC Supply	Alan Yu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC 3.7V By Battery	Alan Yu
BAND EDGE	23deg. C, 70%RH	DC 3.7V By Battery	Alan Yu
CONDCUDED EMISSION	23deg. C, 70%RH	DC 3.7V By Battery	Alan Yu
RADIATED EMISSION	23deg. C, 70%RH	DC 3.7V By Battery	Carl Xie
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC 3.7V By Battery	Alan Yu



Test Report No.: RF260714B017

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);

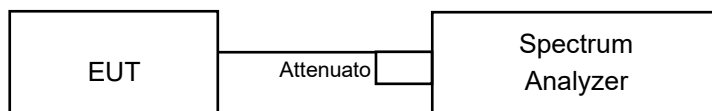
P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

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.

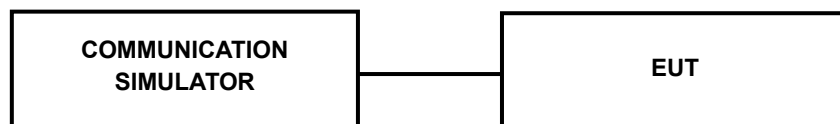
CONDUCTED POWER MEASUREMENT:

- 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 15kHz)_Ant0						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376000	380000
		Frequency (MHz)		1860	1880	1900
20	Pi/2 BPSK	1	1	23.35	23.38	23.30
		1	53	23.40	23.42	23.20
		1	104	23.56	23.42	23.32
		50	0	23.51	23.35	23.37
		50	28	23.45	23.43	23.40
		50	56	23.57	23.44	23.36
		100	0	23.63	23.37	23.42
	QPSK	1	1	23.69	23.58	23.50
		1	53	23.45	23.46	23.35
		1	104	23.57	23.56	23.35
		50	0	23.55	23.51	23.41
		50	28	23.56	23.53	23.46
		50	56	23.46	23.48	23.36
		100	0	23.66	23.50	23.27
	16QAM	1	1	23.48	23.44	23.42
	64QAM	1	1	21.95	21.79	21.70
	256QAM	1	1	19.80	19.74	19.71
BW [MHz]	DFT-s-OFDM	Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5
15	QPSK	1	1	23.22	23.25	23.19
BW [MHz]	DFT-s-OFDM	Channel		371000	376000	381000
		Frequency (MHz)		1855	1880	1905
10	QPSK	1	1	23.20	23.26	23.29
BW [MHz]	DFT-s-OFDM	Channel		370500	376000	381500
		Frequency (MHz)		1852.50	1880.00	1907.50
5	QPSK	1	1	23.15	23.17	23.21

n2 (SCS 15kHz)_Ant2						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376000	380000
		Frequency (MHz)		1860	1880	1900
20	Pi/2 BPSK	1	1	23.93	24.02	24.26
		1	53	24.16	24.12	24.21
		1	104	24.29	24.33	24.34
		50	0	23.68	23.78	23.82
		50	28	24.25	24.32	24.37
		50	56	23.87	23.86	23.87
		100	0	23.72	23.83	23.89
	QPSK	1	1	24.07	24.39	24.23
		1	53	24.00	24.32	24.09
		1	104	23.77	24.17	24.14
		50	0	23.21	23.28	23.39
		50	28	24.26	24.32	24.31
		50	56	23.37	23.35	23.42
		100	0	23.26	23.40	23.34
	16QAM	1	1	23.21	23.38	23.37
	64QAM	1	1	21.75	21.90	21.90
	256QAM	1	1	19.69	19.82	19.86
BW [MHz]	DFT-s-OFDM	Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5
15	QPSK	1	1	23.90	23.96	23.93
BW [MHz]	DFT-s-OFDM	Channel		371000	376000	381000
		Frequency (MHz)		1855	1880	1905
10	QPSK	1	1	23.78	23.81	23.80
BW [MHz]	DFT-s-OFDM	Channel		370500	376000	381500
		Frequency (MHz)		1852.50	1880.00	1907.50
5	QPSK	1	1	23.75	23.79	23.72

n5 (SCS 15kHz)_Ant0						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		166800	167300	167800
		Frequency (MHz)		834	836.5	839
20	Pi/2 BPSK	1	1	23.21	23.47	23.27
		1	53	23.41	23.24	23.46
		1	104	23.59	23.38	23.48
		50	0	23.48	23.54	23.68
		50	28	23.72	23.59	23.68
		50	56	23.68	23.66	23.78
		100	0	23.68	23.61	23.59
	QPSK	1	1	23.81	23.85	23.92
		1	53	23.56	23.32	23.57
		1	104	23.64	23.43	23.61
		50	0	23.63	23.65	23.73
		50	28	23.78	23.71	23.79
		50	56	23.62	23.58	23.71
		100	0	23.74	23.75	23.78
	16QAM	1	1	23.59	23.64	23.63
	64QAM	1	1	21.66	21.82	21.72
	256QAM	1	1	19.67	19.67	19.77
BW [MHz]	DFT-s-OFDM	Channel		166300	167300	168300
		Frequency (MHz)		831.5	836.5	841.5
15	QPSK	1	1	23.40	23.37	23.48
BW [MHz]	DFT-s-OFDM	Channel		165800	167300	168800
		Frequency (MHz)		829	836.5	844
10	QPSK	1	1	23.33	23.38	23.39
BW [MHz]	DFT-s-OFDM	Channel		165300	167300	169300
		Frequency (MHz)		826.50	836.50	846.50
5	QPSK	1	1	23.47	23.50	23.56

n7 (SCS 15kHz)_Ant0						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		502000	507000	512000
		Frequency (MHz)		2510	2535	2560
20	Pi/2 BPSK	1	1	24.12	24.36	24.43
		1	53	24.05	24.31	24.38
		1	104	24.18	24.42	23.97
		50	0	23.95	24.01	24.04
		50	28	24.12	24.48	24.49
		50	56	23.83	24.12	24.16
		100	0	23.56	24.02	23.77
	QPSK	1	1	24.35	24.54	24.52
		1	53	24.28	24.52	24.46
		1	104	24.31	24.51	23.98
		50	0	23.62	23.65	23.63
		50	28	24.32	24.53	24.52
		50	56	23.54	23.88	23.71
		100	0	23.48	23.78	23.67
	16QAM	1	1	23.76	23.95	23.99
	64QAM	1	1	21.77	21.81	21.83
	256QAM	1	1	19.51	19.71	19.82
BW [MHz]	DFT-s-OFDM	Channel		501500	507000	512500
		Frequency (MHz)		2507.5	2535	2562.5
15	QPSK	1	1	24.09	24.12	24.11
BW [MHz]	DFT-s-OFDM	Channel		501000	507000	513000
		Frequency (MHz)		2505	2535	2565
10	QPSK	1	1	24.22	24.06	24.15
BW [MHz]	DFT-s-OFDM	Channel		500500	507000	513500
		Frequency (MHz)		2502.50	2535.00	2567.50
5	QPSK	1	1	24.18	24.03	24.10

n25 (SCS 15 kHz)_Ant0						
BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376500	381000
		Frequency (MHz)		1860	1882.5	1905
20	DFT-s-OFDM Pi/2 BPSK	1	1	23.39	23.46	23.19
		1	53	23.44	23.31	23.16
		1	104	23.36	23.28	23.08
		50	0	23.41	23.08	23.22
		50	28	23.46	23.04	23.12
		50	56	23.55	23.35	23.18
		100	0	23.14	23.22	23.18
	DFT-s-OFDM QPSK	1	1	23.67	23.56	23.34
		1	53	23.46	23.41	23.26
		1	104	23.44	23.32	23.15
		50	0	23.42	23.20	23.23
		50	28	23.56	23.42	23.24
		50	56	23.49	23.19	23.17
		100	0	23.29	23.24	23.19
	DFT-s-OFDM 16QAM	1	1	23.27	23.45	23.37
	DFT-s-OFDM 64QAM	1	1	21.59	21.71	21.70
	DFT-s-OFDM 256QAM	1	1	19.49	19.39	19.26
BW [MHz]	MCS Index	Channel		371500	376500	381500
		Frequency (MHz)		1857.5	1882.5	1907.5
15	DFT-s-OFDM QPSK	1	1	23.65	23.46	23.26
BW [MHz]	MCS Index	Channel		371000	376500	382000
		Frequency (MHz)		1855	1882.5	1910
10	DFT-s-OFDM QPSK	1	1	23.44	23.37	23.19
BW [MHz]	MCS Index	Channel		370500	376500	382500
		Frequency (MHz)		1852.50	1882.50	1912.50
5	DFT-s-OFDM QPSK	1	1	23.18	23.29	23.24

n25 (SCS 15 kHz)_Ant2						
BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376500	381000
		Frequency (MHz)		1860	1882.5	1905
20	DFT-s-OFDM Pi/2 BPSK	1	1	23.82	23.93	24.09
		1	53	23.95	24.05	24.08
		1	104	24.02	24.15	24.02
		50	0	23.57	23.59	23.63
		50	28	24.08	24.14	24.18
		50	56	23.67	23.74	23.72
		100	0	23.57	23.64	23.68
	DFT-s-OFDM QPSK	1	1	23.85	23.93	24.22
		1	53	23.83	23.86	24.07
		1	104	23.79	23.91	24.01
		50	0	23.05	23.11	23.19
		50	28	24.12	24.14	24.17
		50	56	23.15	23.23	23.14
		100	0	23.10	23.13	23.22
	DFT-s-OFDM 16QAM	1	1	23.46	23.55	23.54
	DFT-s-OFDM 64QAM	1	1	21.39	21.32	21.34
	DFT-s-OFDM 256QAM	1	1	19.29	19.33	19.36
BW [MHz]	MCS Index	Channel		371500	376500	381500
		Frequency (MHz)		1857.5	1882.5	1907.5
15	DFT-s-OFDM QPSK	1	1	23.82	23.71	23.83
BW [MHz]	MCS Index	Channel		371000	376500	382000
		Frequency (MHz)		1855	1882.5	1910
10	DFT-s-OFDM QPSK	1	1	23.62	23.64	23.71
BW [MHz]	MCS Index	Channel		370500	376500	382500
		Frequency (MHz)		1852.50	1882.50	1912.50
5	DFT-s-OFDM QPSK	1	1	23.75	23.72	23.77

n30 (SCS 15 kHz)_Ant0						
BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel			462000	
		Frequency (MHz)			2310	
10	DFT-s-OFDM Pi/2 BPSK	1	1		23.12	
		1	26		23.09	
		1	50		23.08	
		25	0		22.56	
		25	14		23.10	
		25	27		22.66	
		50	0		22.66	
	DFT-s-OFDM QPSK	1	1		23.16	
		1	26		23.15	
		1	50		23.06	
		25	0		22.71	
		25	14		23.09	
		25	27		22.76	
		50	0		22.72	
	DFT-s-OFDM 16QAM	1	1		22.45	
	DFT-s-OFDM 64QAM	1	1		21.56	
	DFT-s-OFDM 256QAM	1	1		19.27	
BW [MHz]	MCS Index	Channel		461500	462000	462500
		Frequency (MHz)		2307.5	2310	2312.5
5	DFT-s-OFDM QPSK	1	1	23.05	23.09	23.11

n30 (SCS 15 kHz)_Ant2						
BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel			462000	
		Frequency (MHz)			2310	
10	DFT-s-OFDM Pi/2 BPSK	1	1		23.95	
		1	26		23.89	
		1	50		23.80	
		25	0		23.80	
		25	14		23.77	
		25	27		23.88	
		50	0		23.77	
	DFT-s-OFDM QPSK	1	1		24.18	
		1	26		24.09	
		1	50		23.80	
		25	0		23.81	
		25	14		23.98	
		25	27		23.90	
		50	0		23.71	
	DFT-s-OFDM 16QAM	1	1		23.87	
	DFT-s-OFDM 64QAM	1	1		22.42	
	DFT-s-OFDM 256QAM	1	1		20.35	
BW [MHz]	MCS Index	Channel		461500	462000	462500
		Frequency (MHz)		2307.5	2310	2312.5
5	DFT-s-OFDM QPSK	1	1	24.03	24.10	24.06

n38 (SCS 30kHz)_Ant0						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		518000	462000	520000
		Frequency (MHz)		2590	2595	2600
40	Pi/2 BPSK	1	1	24.35	24.31	24.23
		1	53	24.11	24.16	24.17
		1	104	24.31	24.21	24.20
		50	0	24.34	24.16	24.18
		50	28	24.16	24.29	24.34
		50	56	24.35	24.23	24.24
		100	0	24.36	24.32	24.27
	QPSK	1	1	24.57	24.59	24.55
		1	53	24.20	24.29	24.32
		1	104	24.33	24.27	24.31
		50	0	24.36	24.31	24.33
		50	28	24.40	24.45	24.39
		50	56	24.37	24.30	24.36
		100	0	24.36	24.39	24.38
	16QAM	1	1	24.42	24.47	24.39
	64QAM	1	1	22.67	22.76	22.56
	256QAM	1	1	20.44	20.42	20.38
BW [MHz]	DFT-s-OFDM	Channel		517000	462000	521000
		Frequency (MHz)		2585	2595	2605
30	QPSK	1	1	24.27	24.29	24.33
BW [MHz]	DFT-s-OFDM	Channel		516000	462000	522000
		Frequency (MHz)		2580	2595	2610
20	QPSK	1	1	24.06	24.07	24.00

FCC_n41 (SCS 30kHz)_Ant0						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100	Pi/2 BPSK	1	1	23.86	23.98	23.99
		1	137	24.05	24.05	24.16
		1	271	24.00	24.12	24.05
		135	0	23.98	24.07	23.97
		135	69	24.07	24.07	24.16
		135	138	24.11	24.23	24.16
		270	0	23.92	24.09	24.14
	QPSK	1	1	24.19	24.36	24.25
		1	137	24.06	24.19	24.19
		1	271	24.05	24.25	24.16
		135	0	24.10	24.13	24.08
		135	69	24.14	24.32	24.22
		135	138	24.11	24.19	24.18
		270	0	24.06	24.20	24.15
	16QAM	1	1	24.16	24.19	24.00
	64QAM	1	1	22.52	22.68	22.66
	256QAM	1	1	21.17	21.20	21.14
BW [MHz]	DFT-s-OFDM	Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90	QPSK	1	1	24.02	24.06	24.10
BW [MHz]	DFT-s-OFDM	Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80	QPSK	1	1	24.00	24.13	24.19
BW [MHz]	DFT-s-OFDM	Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655.00
70	QPSK	1	1	24.11	24.02	24.16
BW [MHz]	DFT-s-OFDM	Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60	QPSK	1	1	24.20	24.16	24.18
BW [MHz]	DFT-s-OFDM	Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50	QPSK	1	1	24.06	24.24	24.18
BW [MHz]	DFT-s-OFDM	Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40	QPSK	1	1	24.09	24.08	24.10
BW [MHz]	DFT-s-OFDM	Channel		502200	518598	534996
		Frequency (MHz)		2511	2592.99	2674.98
30	QPSK	1	1	24.10	24.01	24.09
BW [MHz]	DFT-s-OFDM	Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20	QPSK	1	1	24.09	24.02	24.15

FCC_n41 (SCS 30kHz)_Ant2						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100	Pi/2 BPSK	1	1	24.50	24.39	24.00
		1	137	24.51	24.42	24.21
		1	271	24.49	24.58	24.56
		135	0	24.46	24.36	24.11
		135	69	24.51	24.40	24.31
		135	138	24.55	24.48	24.56
		270	0	24.35	24.39	24.42
	QPSK	1	1	24.59	24.42	24.28
		1	137	24.55	24.21	24.11
		1	271	24.45	24.37	24.17
		135	0	24.29	24.30	24.08
		135	69	24.52	24.36	24.33
		135	138	24.31	24.24	24.19
		270	0	24.36	24.35	24.25
	16QAM	1	1	24.32	24.35	24.01
	64QAM	1	1	23.81	24.00	23.71
	256QAM	1	1	22.60	22.65	22.33
BW [MHz]	DFT-s-OFDM	Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90	QPSK	1	1	24.55	24.51	24.35
BW [MHz]	DFT-s-OFDM	Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80	QPSK	1	1	24.52	24.49	24.34
BW [MHz]	DFT-s-OFDM	Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655.00
70	QPSK	1	1	24.55	24.47	24.31
BW [MHz]	DFT-s-OFDM	Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60	QPSK	1	1	24.57	24.44	24.39
BW [MHz]	DFT-s-OFDM	Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50	QPSK	1	1	24.51	24.41	24.41
BW [MHz]	DFT-s-OFDM	Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40	QPSK	1	1	24.53	24.46	24.43
BW [MHz]	DFT-s-OFDM	Channel		502200	518598	534996
		Frequency (MHz)		2511	2592.99	2674.98
30	QPSK	1	1	24.55	24.47	24.45
BW [MHz]	DFT-s-OFDM	Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99



Test Report No.: RF260714B017

20	QPSK	1	1	24.55	24.44	24.37
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n66 (SCS 15kHz)_Ant0						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		345000	349000	353000
		Frequency (MHz)		1725	1745	1765
30	Pi/2 BPSK	1	1	24.97	25.18	24.97
		1	53	25.11	25.13	24.95
		1	104	25.24	25.20	25.10
		50	0	24.03	24.27	24.11
		50	28	25.18	25.25	25.21
		50	56	24.33	24.25	24.09
		100	0	24.19	24.27	24.13
	QPSK	1	1	25.19	25.27	25.11
		1	53	25.16	25.14	25.06
		1	104	25.07	25.25	25.01
		50	0	24.16	24.30	24.21
		50	28	25.18	25.21	25.15
		50	56	24.34	24.35	24.21
		100	0	24.21	24.33	24.19
	16QAM	1	1	24.25	24.37	24.32
	64QAM	1	1	22.46	22.58	22.53
	256QAM	1	1	20.42	20.55	20.46
BW [MHz]	DFT-s-OFDM	Channel		344000	349000	354000
		Frequency (MHz)		1720	1745	1770
20	QPSK	1	1	25.12	25.23	24.96
BW [MHz]	DFT-s-OFDM	Channel		343500	349000	354500
		Frequency (MHz)		1717.5	1745	1772.5
15	QPSK	1	1	25.13	25.12	25.09
BW [MHz]	DFT-s-OFDM	Channel		343000	349000	355000
		Frequency (MHz)		1715.00	1745.00	1775.00
10	QPSK	1	1	25.09	25.09	25.07
BW [MHz]	DFT-s-OFDM	Channel		342500	349000	355500
		Frequency (MHz)		1712.5	1745	1777.5
5	QPSK	1	1	24.83	25.04	25.10

n66 (SCS 15kHz)_Ant2						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		345000	349000	353000
		Frequency (MHz)		1725	1745	1765
30	Pi/2 BPSK	1	1	24.08	23.93	24.09
		1	53	24.12	23.96	24.02
		1	104	24.02	23.97	24.05
		50	0	23.68	23.52	23.44
		50	28	24.21	24.06	24.07
		50	56	23.84	23.67	23.73
		100	0	23.47	23.56	23.51
	QPSK	1	1	24.35	24.19	23.94
		1	53	24.05	24.15	23.75
		1	104	24.02	24.02	23.87
		50	0	23.22	23.11	23.25
		50	28	24.27	24.05	24.12
		50	56	23.73	23.52	23.62
		100	0	23.13	23.10	23.03
	16QAM	1	1	23.68	23.52	23.37
	64QAM	1	1	21.53	21.56	21.16
	256QAM	1	1	19.51	19.31	19.21
BW [MHz]	DFT-s-OFDM	Channel		344000	349000	354000
		Frequency (MHz)		1720	1745	1770
20	QPSK	1	1	24.21	24.03	23.83
BW [MHz]	DFT-s-OFDM	Channel		343500	349000	354500
		Frequency (MHz)		1717.5	1745	1772.5
15	QPSK	1	1	24.25	23.97	23.81
BW [MHz]	DFT-s-OFDM	Channel		343000	349000	355000
		Frequency (MHz)		1715.00	1745.00	1775.00
10	QPSK	1	1	24.16	23.96	23.78
BW [MHz]	DFT-s-OFDM	Channel		342500	349000	355500
		Frequency (MHz)		1712.5	1745	1777.5
5	QPSK	1	1	24.20	23.88	23.74

n71 (SCS 15kHz)_Ant0						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		134600	136100	137600
		Frequency (MHz)		673	680.5	688
20	Pi/2 BPSK	1	1	24.05	24.03	23.94
		1	53	23.98	23.88	23.86
		1	104	23.94	23.79	23.67
		50	0	23.07	23.21	23.01
		50	28	24.00	23.98	23.95
		50	56	23.14	23.01	23.01
		100	0	23.14	23.06	23.13
	QPSK	1	1	24.13	24.09	24.06
		1	53	24.01	23.96	23.87
		1	104	23.97	23.94	23.79
		50	0	23.11	23.22	23.05
		50	28	24.10	24.08	24.02
		50	56	23.12	23.03	23.02
		100	0	23.21	23.08	22.98
	16QAM	1	1	23.43	23.35	23.21
	64QAM	1	1	21.40	21.33	21.29
	256QAM	1	1	19.31	19.27	19.28
BW [MHz]	DFT-s-OFDM	Channel		134100	136100	138100
		Frequency (MHz)		670.5	680.5	690.5
15	QPSK	1	1	24.10	23.99	24.01
BW [MHz]	DFT-s-OFDM	Channel		133600	136100	138600
		Frequency (MHz)		668	680.5	693
10	QPSK	1	1	24.04	23.94	23.97
BW [MHz]	DFT-s-OFDM	Channel		133100	136100	139100
		Frequency (MHz)		665.50	680.50	695.50
5	QPSK	1	1	24.01	24.03	24.05

Part27Q_n77 (SCS 30kHz)_Ant1						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel			633334	
		Frequency (MHz)			3500.01	
100	Pi/2 BPSK	1	1		22.90	
		1	137		22.85	
		1	271		22.98	
		135	0		22.93	
		135	69		22.90	
		135	138		22.80	
		270	0		22.80	
	QPSK	1	1		23.11	
		1	137		22.96	
		1	271		22.99	
		135	0		23.00	
		135	69		23.01	
		135	138		22.93	
		270	0		22.92	
	16QAM	1	1		22.91	
	64QAM	1	1		22.64	
	256QAM	1	1		21.65	
BW [MHz]	DFT-s-OFDM	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80	QPSK	1	1	22.91	22.82	22.79
BW [MHz]	DFT-s-OFDM	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60	QPSK	1	1	22.85	22.74	22.64
BW [MHz]	DFT-s-OFDM	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40	QPSK	1	1	22.81	22.70	22.71
BW [MHz]	DFT-s-OFDM	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30	QPSK	1	1	22.76	22.69	22.78
BW [MHz]	DFT-s-OFDM	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20	QPSK	1	1	22.90	22.70	22.65

Part270_n77 (SCS 30kHz)_Ant1						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100	Pi/2 BPSK	1	1	23.17	23.09	22.91
		1	137	23.11	22.94	23.04
		1	271	22.81	23.00	23.04
		135	0	23.14	22.98	22.88
		135	69	23.11	23.05	23.10
		135	138	22.90	22.98	23.09
		270	0	23.01	22.99	22.90
	QPSK	1	1	23.21	23.16	23.13
		1	137	23.16	23.08	23.11
		1	271	22.91	23.10	23.08
		135	0	23.15	23.05	23.03
		135	69	23.16	23.11	23.12
		135	138	23.04	23.04	23.05
		270	0	23.10	23.05	23.05
	16QAM	1	1	23.00	23.02	23.03
	64QAM	1	1	22.64	22.75	22.68
	256QAM	1	1	21.63	21.55	21.59
BW [MHz]	DFT-s-OFDM	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80	QPSK	1	1	23.05	23.00	22.97
BW [MHz]	DFT-s-OFDM	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60	QPSK	1	1	22.99	23.03	23.05
BW [MHz]	DFT-s-OFDM	Channel		648000	656000	664000
		Frequency (MHz)		3720.00	3840.00	3960.00
40	QPSK	1	1	23.10	23.06	23.01
BW [MHz]	DFT-s-OFDM	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30	QPSK	1	1	22.91	22.98	22.84
BW [MHz]	DFT-s-OFDM	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20	QPSK	1	1	22.55	22.57	22.65

Part27Q_n78 (SCS 30kHz)_Ant1						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel			633334	
		Frequency (MHz)			3500.01	
100	Pi/2 BPSK	1	1		22.94	
		1	137		22.90	
		1	271		22.91	
		135	0		22.86	
		135	69		22.99	
		135	138		22.95	
		270	0		22.91	
	QPSK	1	1		23.06	
		1	137		22.91	
		1	271		22.92	
		135	0		22.96	
		135	69		23.03	
		135	138		23.00	
		270	0		22.99	
	16QAM	1	1		22.97	
	64QAM	1	1		22.56	
	256QAM	1	1		21.57	
BW [MHz]	DFT-s-OFDM	Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
90	QPSK	1	1	22.91	22.98	22.93
BW [MHz]	DFT-s-OFDM	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80	QPSK	1	1	22.96	22.97	23.01
BW [MHz]	DFT-s-OFDM	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70	QPSK	1	1	22.93	23.03	23.02
BW [MHz]	DFT-s-OFDM	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60	QPSK	1	1	22.91	23.00	22.95
BW [MHz]	DFT-s-OFDM	Channel		631668	633334	635000
		Frequency (MHz)		3475.02	3500.01	3525
50	QPSK	1	1	22.99	22.91	22.98
BW [MHz]	DFT-s-OFDM	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40	QPSK	1	1	23.03	23.01	23.01
BW [MHz]	DFT-s-OFDM	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30	QPSK	1	1	22.91	23.00	22.95
BW [MHz]	DFT-s-OFDM	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540.00
20	QPSK	1	1	22.97	23.01	22.93

FCC_HPUE n41 (SCS 30kHz)_Ant0						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100	Pi/2 BPSK	1	1	25.82	25.85	25.73
		1	137	25.61	25.50	25.81
		1	271	25.13	25.25	25.07
		135	0	25.03	25.06	24.99
		135	69	25.75	25.79	25.72
		135	138	24.88	25.12	24.98
		270	0	24.92	25.01	25.00
	QPSK	1	1	25.85	25.89	25.82
		1	137	25.72	25.54	25.76
		1	271	25.21	25.35	25.17
		135	0	25.05	25.11	25.02
		135	69	25.83	25.87	25.77
		135	138	24.96	25.18	25.05
		270	0	25.00	25.16	25.09
	16QAM	1	1	24.26	25.36	24.47
	64QAM	1	1	23.57	23.63	23.39
	256QAM	1	1	20.97	21.23	21.04
BW [MHz]	DFT-s-OFDM	Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90	QPSK	1	1	25.71	25.85	25.78
BW [MHz]	DFT-s-OFDM	Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80	QPSK	1	1	25.77	25.76	25.78
BW [MHz]	DFT-s-OFDM	Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655.00
70	QPSK	1	1	25.71	25.74	25.77
BW [MHz]	DFT-s-OFDM	Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60	QPSK	1	1	25.84	25.86	25.73
BW [MHz]	DFT-s-OFDM	Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50	QPSK	1	1	25.72	25.87	25.68
BW [MHz]	DFT-s-OFDM	Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40	QPSK	1	1	25.77	25.83	25.67
BW [MHz]	DFT-s-OFDM	Channel		502200	518598	534996
		Frequency (MHz)		2511.00	2592.99	2674.98
30	QPSK	1	1	25.75	25.86	25.74
BW [MHz]	DFT-s-OFDM	Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20	QPSK	1	1	25.74	25.79	25.73

FCC_HPUE n41 (SCS 30kHz)_Ant2						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100	Pi/2 BPSK	1	1	25.83	25.91	25.77
		1	137	26.25	25.75	26.46
		1	271	25.46	26.02	25.20
		135	0	26.19	25.78	25.83
		135	69	26.13	25.73	26.42
		135	138	25.99	26.05	26.07
		270	0	26.11	25.71	26.02
	QPSK	1	1	25.86	26.49	26.14
		1	137	25.85	25.59	25.92
		1	271	25.79	26.28	25.87
		135	0	25.78	25.78	25.74
		135	69	25.79	25.91	25.85
		135	138	25.71	25.87	25.76
		270	0	25.63	25.67	25.59
	16QAM	1	1	24.96	25.18	24.85
	64QAM	1	1	23.42	23.52	23.20
	256QAM	1	1	21.89	21.53	22.22
BW [MHz]	DFT-s-OFDM	Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90	QPSK	1	1	25.85	26.32	25.84
BW [MHz]	DFT-s-OFDM	Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80	QPSK	1	1	25.82	26.10	25.88
BW [MHz]	DFT-s-OFDM	Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655.00
70	QPSK	1	1	25.80	25.95	25.85
BW [MHz]	DFT-s-OFDM	Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60	QPSK	1	1	25.78	26.48	25.83
BW [MHz]	DFT-s-OFDM	Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50	QPSK	1	1	25.81	26.33	25.81
BW [MHz]	DFT-s-OFDM	Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40	QPSK	1	1	25.84	26.44	25.77
BW [MHz]	DFT-s-OFDM	Channel		502200	518598	534996
		Frequency (MHz)		2511.00	2592.99	2674.98
30	QPSK	1	1	25.79	26.43	25.85
BW [MHz]	DFT-s-OFDM	Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99



Test Report No.: RF260714B017

20	QPSK	1	1	25.80	26.22	25.79
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Part27Q_HPUE n77 (SCS 30kHz)_Ant1						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel			633334	
		Frequency (MHz)			3500.01	
100	Pi/2 BPSK	1	1		25.41	
		1	137		25.11	
		1	271		25.26	
		135	0		24.64	
		135	69		25.37	
		135	138		24.67	
		270	0		24.53	
	QPSK	1	1		25.53	
		1	137		25.18	
		1	271		25.27	
		135	0		24.58	
		135	69		25.47	
		135	138		24.39	
		270	0		24.40	
	16QAM	1	1		24.60	
	64QAM	1	1		22.71	
	256QAM	1	1		20.94	
BW [MHz]	DFT-s-OFDM	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80	QPSK	1	1	25.14	25.20	25.18
BW [MHz]	DFT-s-OFDM	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60	QPSK	1	1	25.10	25.15	25.22
BW [MHz]	DFT-s-OFDM	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40	QPSK	1	1	25.14	25.20	25.09
BW [MHz]	DFT-s-OFDM	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30	QPSK	1	1	25.12	25.15	25.20
BW [MHz]	DFT-s-OFDM	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540.00
20	QPSK	1	1	25.11	25.15	25.22

Part270_HPUE n77 (SCS 30kHz)_Ant1						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100	Pi/2 BPSK	1	1	25.75	25.76	25.57
		1	137	25.50	25.46	25.28
		1	271	25.22	25.15	25.05
		135	0	24.72	24.82	24.61
		135	69	25.44	25.56	25.48
		135	138	24.78	24.60	24.74
		270	0	24.73	24.55	24.74
	QPSK	1	1	25.77	25.82	25.66
		1	137	25.52	25.57	25.42
		1	271	25.28	25.28	25.06
		135	0	24.52	24.54	24.38
		135	69	25.57	25.69	25.53
		135	138	24.51	24.72	24.54
		270	0	24.53	24.62	24.51
	16QAM	1	1	24.66	24.92	24.90
	64QAM	1	1	22.70	23.12	23.05
	256QAM	1	1	20.68	21.07	21.03
BW [MHz]	DFT-s-OFDM	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80	QPSK	1	1	25.76	25.70	25.55
BW [MHz]	DFT-s-OFDM	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60	QPSK	1	1	25.68	25.70	25.63
BW [MHz]	DFT-s-OFDM	Channel		648000	656000	664000
		Frequency (MHz)		3720.00	3840.00	3960.00
40	QPSK	1	1	25.75	25.71	25.63
BW [MHz]	DFT-s-OFDM	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30	QPSK	1	1	25.75	25.70	25.51
BW [MHz]	DFT-s-OFDM	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840.00	3969.99
20	QPSK	1	1	25.71	25.80	25.65

Part27Q_HPUE n78 (SCS 30kHz)_Ant1						
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High
		Channel			633334	
		Frequency (MHz)			3500.01	
100	Pi/2 BPSK	1	1		25.25	
		1	137		25.08	
		1	271		25.14	
		135	0		24.59	
		135	69		25.25	
		135	138		24.57	
		270	0		24.54	
	QPSK	1	1		25.35	
		1	137		25.23	
		1	271		25.28	
		135	0		24.42	
		135	69		25.33	
		135	138		24.29	
		270	0		24.04	
	16QAM	1	1		24.07	
	64QAM	1	1		22.73	
	256QAM	1	1		20.89	
BW [MHz]	DFT-s-OFDM	Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
90	QPSK	1	1	25.23	25.20	25.17
BW [MHz]	DFT-s-OFDM	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80	QPSK	1	1	25.12	25.13	25.23
BW [MHz]	DFT-s-OFDM	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70	QPSK	1	1	25.13	25.22	25.10
BW [MHz]	DFT-s-OFDM	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60	QPSK	1	1	25.22	25.18	25.14
BW [MHz]	DFT-s-OFDM	Channel		631668	633334	635000
		Frequency (MHz)		3475.02	3500.01	3525.00
50	QPSK	1	1	25.19	25.18	25.20
BW [MHz]	DFT-s-OFDM	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40	QPSK	1	1	25.18	25.23	25.14
BW [MHz]	DFT-s-OFDM	Channel		631000	633334	635666
		Frequency (MHz)		3465.00	3500.01	3534.99
30	QPSK	1	1	25.13	25.10	25.23
BW [MHz]	DFT-s-OFDM	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20	QPSK	1	1	25.19	25.16	25.16

Part27Q_n77 (SCS 30kHz)_Ant0+1						
BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel			633334	
		Frequency (MHz)			3500.01	
100	CP-OFDM QPSK	1	1		22.79	
		1	137		22.44	
		1	271		22.50	
		135	0		22.52	
		135	69		22.58	
		135	138		22.40	
		270	0		22.51	
	CP-OFDM 16QAM	1	1		22.69	
	CP-OFDM 64QAM	1	1		22.09	
	CP-OFDM 256QAM	1	1		19.34	
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80	CP-OFDM QPSK	1	1	22.71	22.77	22.73
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60	CP-OFDM QPSK	1	1	22.68	22.72	22.71
BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40	CP-OFDM QPSK	1	1	22.63	22.69	22.67
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30	CP-OFDM QPSK	1	1	22.64	22.68	22.65
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540

Test Report No.: RF260714B017

20	CP-OFDM QPSK	1	1	22.61	22.65	22.68
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Part27O_n77 (SCS 30kHz)_Ant0+1						
BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100	CP-OFDM QPSK	1	1	23.13	23.09	22.96
		1	137	22.79	22.72	22.70
		1	271	22.58	22.57	22.35
		135	0	22.73	22.67	22.50
		135	69	22.90	22.87	22.72
		135	138	22.80	22.75	22.60
		270	0	22.79	22.78	22.57
	CP-OFDM 16QAM	1	1	22.87	22.90	22.82
	CP-OFDM 64QAM	1	1	22.37	22.49	22.15
	CP-OFDM 256QAM	1	1	19.51	19.64	19.52
BW [MHz]	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80	CP-OFDM QPSK	1	1	23.02	22.97	22.88
BW [MHz]	MCS Index	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60	CP-OFDM QPSK	1	1	23.05	23.06	22.90
BW [MHz]	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40	CP-OFDM QPSK	1	1	23.12	22.99	22.85
BW [MHz]	MCS Index	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98

Test Report No.: RF260714B017

30	CP-OFDM QPSK	1	1	22.99	23.01	22.86
BW [MHz]	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20	CP-OFDM QPSK	1	1	23.05	23.05	22.86

Part27Q_n78 (SCS 30kHz)_Ant0+1						
BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel			633334	
		Frequency (MHz)			3500.01	
100	CP-OFDM QPSK	1	1		22.66	
		1	137		22.35	
		1	271		22.43	
		135	0		22.45	
		135	69		22.51	
		135	138		22.44	
		270	0		22.34	
	CP-OFDM 16QAM	1	1		22.64	
	CP-OFDM 64QAM	1	1		21.87	
	CP-OFDM 256QAM	1	1		19.35	
BW [MHz]	MCS Index	Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
90	CP-OFDM QPSK	1	1	22.47	22.49	22.49
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80	CP-OFDM QPSK	1	1	22.35	22.38	22.38
BW [MHz]	MCS Index	Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70	CP-OFDM QPSK	1	1	22.38	22.41	22.35

Test Report No.: RF260714B017

BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60	CP-OFDM QPSK	1	1	22.44	22.43	22.46
BW [MHz]	MCS Index	Channel		631668	633334	635000
		Frequency (MHz)		3475.02	3500.01	3525
50	CP-OFDM QPSK	1	1	22.41	22.39	22.45
BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40	CP-OFDM QPSK	1	1	22.33	22.44	22.46
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30	CP-OFDM QPSK	1	1	22.39	22.43	22.38
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20	CP-OFDM QPSK	1	1	22.39	22.50	22.41

HPUE Part27Q_n77 (SCS 30kHz)_Ant0+1						
BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel			633334	
		Frequency (MHz)			3500.01	
100	CP-OFDM QPSK	1	1		24.15	
		1	137		23.82	
		1	271		23.86	
		135	0		22.80	
		135	69		23.93	
		135	138		22.64	
		270	0		22.72	
	CP-OFDM 16QAM	1	1		23.88	

Test Report No.: RF260714B017

	CP-OFDM 64QAM	1	1		22.61	
	CP-OFDM 256QAM	1	1		19.76	
BW [MHz]	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80	CP-OFDM QPSK	1	1	23.94	23.98	23.96
BW [MHz]	MCS Index	Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60	CP-OFDM QPSK	1	1	23.98	23.96	23.96
BW [MHz]	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40	CP-OFDM QPSK	1	1	23.93	23.93	23.96
BW [MHz]	MCS Index	Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30	CP-OFDM QPSK	1	1	23.92	23.93	23.95
BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20	CP-OFDM QPSK	1	1	23.89	23.95	23.92

HPUE Part270_n77 (SCS 30kHz)_Ant0+1						
BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100	CP-OFDM QPSK	1	1	23.69	24.80	24.80
		1	137	23.67	24.58	24.49
		1	271	23.59	24.28	24.11
		135	0	22.92	22.99	22.77
		135	69	23.76	24.43	24.54
		135	138	23.13	23.27	23.13
		270	0	22.97	22.99	23.02

Test Report No.: RF260714B017

	CP-OFDM 16QAM	1	1	23.03	24.33	24.28
	CP-OFDM 64QAM	1	1	22.15	22.71	22.62
	CP-OFDM 256QAM	1	1	19.34	19.75	19.62
BW [MHz]	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80	CP-OFDM QPSK	1	1	23.64	24.66	24.69
BW [MHz]	MCS Index	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60	CP-OFDM QPSK	1	1	23.59	24.73	24.69
BW [MHz]	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40	CP-OFDM QPSK	1	1	23.59	24.75	24.70
BW [MHz]	MCS Index	Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30	CP-OFDM QPSK	1	1	23.57	24.68	24.72
BW [MHz]	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20	CP-OFDM QPSK	1	1	23.58	24.74	24.73

HPUE Part27Q_n78 (SCS 30kHz)_Ant0+1						
BW [MHz]	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel			633334	
		Frequency (MHz)			3500.01	
100	CP-OFDM QPSK	1	1		23.95	
		1	137		23.80	
		1	271		23.83	
		135	0		22.53	
		135	69		23.95	

Test Report No.: RF260714B017

		135	138		22.64	
		270	0		22.63	
	CP-OFDM 16QAM	1	1		23.47	
	CP-OFDM 64QAM	1	1		21.90	
	CP-OFDM 256QAM	1	1		19.10	
BW [MHz]	MCS	Channel		633000	633334	633666
	Index	Frequency (MHz)		3495	3500.01	3504.99
90	CP-OFDM QPSK	1	1	23.81	23.87	23.79
BW [MHz]	MCS	Channel		632668	633334	634000
	Index	Frequency (MHz)		3490.02	3500.01	3510
80	CP-OFDM QPSK	1	1	23.87	23.79	23.83
BW [MHz]	MCS	Channel		632334	633334	634332
	Index	Frequency (MHz)		3485.01	3500.01	3514.98
70	CP-OFDM QPSK	1	1	23.86	23.87	23.82
BW [MHz]	MCS	Channel		632000	633334	634666
	Index	Frequency (MHz)		3480	3500.01	3519.99
60	CP-OFDM QPSK	1	1	23.89	23.82	23.83
BW [MHz]	MCS	Channel		631668	633334	635000
	Index	Frequency (MHz)		3475.02	3500.01	3525
50	CP-OFDM QPSK	1	1	23.84	23.82	23.87
BW [MHz]	MCS	Channel		631334	633334	635332
	Index	Frequency (MHz)		3470.01	3500.01	3529.98
40	CP-OFDM QPSK	1	1	23.88	23.85	23.79
BW [MHz]	MCS	Channel		631000	633334	635666
	Index	Frequency (MHz)		3465	3500.01	3534.99
30	CP-OFDM QPSK	1	1	23.78	23.83	23.85

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Test Report No.: RF260714B017

BW [MHz]	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20	CP-OFDM QPSK	1	1	23.83	23.89	23.88

EIRP

n2 (SCS 15kHz)_Ant0							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-Pi/2 BPSK	372000	1860	23.63	-0.5	23.13	205.59	2.00
	376000	1880	23.44	-0.5	22.94	196.79	2.00
	380000	1900	23.42	-0.5	22.92	195.88	2.00
20M-QPSK	372000	1860	23.69	-0.5	23.19	208.45	2.00
	376000	1880	23.58	-0.5	23.08	203.24	2.00
	380000	1900	23.50	-0.5	23.00	199.53	2.00
20M-16QAM	372000	1860	23.48	-0.5	22.98	198.61	2.00
	376000	1880	23.44	-0.5	22.94	196.79	2.00
	380000	1900	23.42	-0.5	22.92	195.88	2.00
20M-64QAM	372000	1860	21.95	-0.5	21.45	139.64	2.00
	376000	1880	21.79	-0.5	21.29	134.59	2.00
	380000	1900	21.70	-0.5	21.20	131.83	2.00
20M- 256QAM	372000	1860	19.80	-0.5	19.30	85.11	2.00
	376000	1880	19.74	-0.5	19.24	83.95	2.00
	380000	1900	19.71	-0.5	19.21	83.37	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	371500	1857.5	23.22	-0.5	22.72	187.07	2.00
	376000	1880	23.25	-0.5	22.75	188.36	2.00
	380500	1902.5	23.19	-0.5	22.69	185.78	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	371000	1855	23.20	-0.5	22.70	186.21	2.00
	376000	1880	23.26	-0.5	22.76	188.80	2.00
	381000	1905	23.29	-0.5	22.79	190.11	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	370500	1852.5	23.15	-0.5	22.65	184.08	2.00
	376000	1880	23.17	-0.5	22.67	184.93	2.00
	381500	1907.5	23.21	-0.5	22.71	186.64	2.00

n2 (SCS 15kHz)_Ant2							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-Pi/2 BPSK	372000	1860	24.29	-2.64	21.65	146.22	2.00
	376000	1880	24.33	-2.64	21.69	147.57	2.00
	380000	1900	24.37	-2.64	21.73	148.94	2.00
20M-QPSK	372000	1860	24.26	-2.64	21.62	145.21	2.00
	376000	1880	24.39	-2.64	21.75	149.62	2.00
	380000	1900	24.31	-2.64	21.67	146.89	2.00
20M-16QAM	372000	1860	23.21	-2.64	20.57	114.02	2.00
	376000	1880	23.38	-2.64	20.74	118.58	2.00
	380000	1900	23.37	-2.64	20.73	118.30	2.00
20M-64QAM	372000	1860	21.75	-2.64	19.11	81.47	2.00
	376000	1880	21.90	-2.64	19.26	84.33	2.00
	380000	1900	21.90	-2.64	19.26	84.33	2.00
20M- 256QAM	372000	1860	19.69	-2.64	17.05	50.70	2.00
	376000	1880	19.82	-2.64	17.18	52.24	2.00
	380000	1900	19.86	-2.64	17.22	52.72	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	371500	1857.5	23.90	-2.64	21.26	133.66	2.00
	376000	1880	23.96	-2.64	21.32	135.52	2.00
	380500	1902.5	23.93	-2.64	21.29	134.59	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	371000	1855	23.78	-2.64	21.14	130.02	2.00
	376000	1880	23.81	-2.64	21.17	130.92	2.00
	381000	1905	23.80	-2.64	21.16	130.62	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	370500	1852.5	23.75	-2.64	21.11	129.12	2.00
	376000	1880	23.79	-2.64	21.15	130.32	2.00
	381500	1907.5	23.72	-2.64	21.08	128.23	2.00

n5 (SCS 15kHz)_Ant0							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	FCC Limit (W)
20M-Pi/2 BPSK	167300	836.5	23.78	-1.14	22.64	183.65	7.00
20M-QPSK	167300	836.5	23.92	-1.14	22.78	189.67	7.00
20M-16QAM	167300	836.5	23.63	-1.14	22.49	177.42	7.00
20M-64QAM	167300	836.5	21.72	-1.14	20.58	114.29	7.00
20M-256QAM	167300	836.5	19.77	-1.14	18.63	72.95	7.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	FCC Limit (W)
15M-QPSK	166300	831.5	23.40	-1.14	20.11	102.57	7.00
	167300	836.5	23.37	-1.14	20.08	101.86	7.00
	168300	841.5	23.48	-1.14	20.19	104.47	7.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	FCC Limit (W)
10M-QPSK	165800	829	23.33	-1.14	20.04	100.93	7.00
	167300	836.5	23.38	-1.14	20.09	102.09	7.00
	168800	844	23.39	-1.14	20.10	102.33	7.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	FCC Limit (W)
5M-QPSK	165300	826.5	23.47	-1.14	20.18	104.23	7.00
	167300	836.5	23.50	-1.14	20.21	104.95	7.00
	169300	846.5	23.56	-1.14	20.27	106.41	7.00

n7 (SCS 15kHz)_Ant0							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-Pi/2 BPSK	502000	2510	24.18	-0.59	23.59	228.56	2.00
	507000	2535	24.48	-0.59	23.89	244.91	2.00
	512000	2560	24.49	-0.59	23.90	245.47	2.00
20M-QPSK	502000	2510	24.35	-0.59	23.76	237.68	2.00
	507000	2535	24.54	-0.59	23.95	248.31	2.00
	512000	2560	24.52	-0.59	23.93	247.17	2.00
20M-16QAM	502000	2510	23.76	-0.59	23.17	207.49	2.00
	507000	2535	23.95	-0.59	23.36	216.77	2.00
	512000	2560	23.99	-0.59	23.40	218.78	2.00
20M-64QAM	502000	2510	21.77	-0.59	21.18	131.22	2.00
	507000	2535	21.81	-0.59	21.22	132.43	2.00
	512000	2560	21.83	-0.59	21.24	133.05	2.00
20M- 256QAM	502000	2510	19.51	-0.59	18.92	77.98	2.00
	507000	2535	19.71	-0.59	19.12	81.66	2.00
	512000	2560	19.82	-0.59	19.23	83.75	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	501500	2507.5	24.09	-0.59	23.50	223.87	2.00
	507000	2535	24.12	-0.59	23.53	225.42	2.00
	512500	2562.5	24.11	-0.59	23.52	224.91	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	501000	2505	24.22	-0.59	23.63	230.67	2.00
	507000	2535	24.06	-0.59	23.47	222.33	2.00
	513000	2565	24.15	-0.59	23.56	226.99	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	500500	2502.5	24.18	-0.59	23.59	228.56	2.00
	507000	2535	24.03	-0.59	23.44	220.80	2.00
	513500	2567.5	24.10	-0.59	23.51	224.39	2.00

n25 (SCS 15 kHz)_Ant0							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-DFT-s- OFDM Pi/2 BPSK	372000	1860	23.55	-0.55	23.00	199.53	2.00
	376500	1882.5	23.46	-0.55	22.91	195.43	2.00
	381000	1905	23.22	-0.55	22.67	184.93	2.00
20M-DFT-s- OFDM QPSK	372000	1860	23.67	-0.55	23.12	205.12	2.00
	376500	1882.5	23.56	-0.55	23.01	199.99	2.00
	381000	1905	23.34	-0.55	22.79	190.11	2.00
20M-DFT-s- OFDM 16QAM	372000	1860	23.27	-0.55	22.72	187.07	2.00
	376500	1882.5	23.45	-0.55	22.90	194.98	2.00
	381000	1905	23.37	-0.55	22.82	191.43	2.00
20M-DFT-s- OFDM 64QAM	372000	1860	21.59	-0.55	21.04	127.06	2.00
	376500	1882.5	21.71	-0.55	21.16	130.62	2.00
	381000	1905	21.70	-0.55	21.15	130.32	2.00
20M-DFT-s- OFDM 256QAM	372000	1860	19.49	-0.55	18.94	78.34	2.00
	376500	1882.5	19.39	-0.55	18.84	76.56	2.00
	381000	1905	19.26	-0.55	18.71	74.30	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-DFT-s- OFDM QPSK	371500	1857.5	23.65	-0.55	23.10	204.17	2.00
	376500	1882.5	23.46	-0.55	22.91	195.43	2.00
	381500	1907.5	23.26	-0.55	22.71	186.64	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-DFT-s- OFDM QPSK	371000	1855	23.44	-0.55	22.89	194.54	2.00
	376500	1882.5	23.37	-0.55	22.82	191.43	2.00
	382000	1910	23.19	-0.55	22.64	183.65	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-DFT-s- OFDM QPSK	370500	1852.5	23.18	-0.55	22.63	183.23	2.00
	376500	1882.5	23.29	-0.55	22.74	187.93	2.00
	382500	1912.5	23.24	-0.55	22.69	185.78	2.00

n25 (SCS 15 kHz)_Ant2							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-DFT-s- OFDM Pi/2 BPSK	372000	1860	24.08	-2.64	21.44	139.32	2.00
	376500	1882.5	24.15	-2.64	21.51	141.58	2.00
	381000	1905	24.18	-2.64	21.54	142.56	2.00
20M-DFT-s- OFDM QPSK	372000	1860	24.12	-2.64	21.48	140.60	2.00
	376500	1882.5	24.14	-2.64	21.50	141.25	2.00
	381000	1905	24.22	-2.64	21.58	143.88	2.00
20M-DFT-s- OFDM 16QAM	372000	1860	23.46	-2.64	20.82	120.78	2.00
	376500	1882.5	23.55	-2.64	20.91	123.31	2.00
	381000	1905	23.54	-2.64	20.90	123.03	2.00
20M-DFT-s- OFDM 64QAM	372000	1860	21.39	-2.64	18.75	74.99	2.00
	376500	1882.5	21.32	-2.64	18.68	73.79	2.00
	381000	1905	21.34	-2.64	18.70	74.13	2.00
20M-DFT-s- OFDM 256QAM	372000	1860	19.29	-2.64	16.65	46.24	2.00
	376500	1882.5	19.33	-2.64	16.69	46.67	2.00
	381000	1905	19.36	-2.64	16.72	46.99	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-DFT-s- OFDM QPSK	371500	1857.5	23.82	-2.64	21.18	131.22	2.00
	376500	1882.5	23.71	-2.64	21.07	127.94	2.00
	381500	1907.5	23.83	-2.64	21.19	131.52	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-DFT-s- OFDM QPSK	371000	1855	23.62	-2.64	20.98	125.31	2.00
	376500	1882.5	23.64	-2.64	21.00	125.89	2.00
	382000	1910	23.71	-2.64	21.07	127.94	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-DFT-s- OFDM QPSK	370500	1852.5	23.75	-2.64	21.11	129.12	2.00
	376500	1882.5	23.72	-2.64	21.08	128.23	2.00
	382500	1912.5	23.77	-2.64	21.13	129.72	2.00

Test Report No.: RF260714B017

n30 (SCS 15 kHz)_Ant0							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-DFT-s- OFDM Pi/2 BPSK	0	0	0.00	-0.5	-0.50	0.89	0.25
	462000	2310	23.12	-0.5	22.62	182.81	0.25
	0	0	0.00	-0.5	-0.50	0.89	0.25
10M-DFT-s- OFDM QPSK	0	0	0.00	-0.5	-0.50	0.89	0.25
	462000	2310	23.16	-0.5	22.66	184.50	0.25
	0	0	0.00	-0.5	-0.50	0.89	0.25
10M-DFT-s- OFDM 16QAM	0	0	0.00	-0.5	-0.50	0.89	0.25
	462000	2310	22.45	-0.5	21.95	156.68	0.25
	0	0	0.00	-0.5	-0.50	0.89	0.25
10M-DFT-s- OFDM 64QAM	0	0	0.00	-0.5	-0.50	0.89	0.25
	462000	2310	21.56	-0.5	21.06	127.64	0.25
	0	0	0.00	-0.5	-0.50	0.89	0.25
10M-DFT-s- OFDM 256QAM	0	0	0.00	-0.5	-0.50	0.89	0.25
	462000	2310	19.27	-0.5	18.77	75.34	0.25
	0	0	0.00	-0.5	-0.50	0.89	0.25

Test Report No.: RF260714B017

n30 (SCS 15 kHz)_Ant2							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-DFT-s- OFDM Pi/2 BPSK	0	0	0.00	-0.8	-0.80	0.83	0.25
	462000	2310	23.95	-0.8	23.15	206.54	0.25
	0	0	0.00	-0.8	-0.80	0.83	0.25
10M-DFT-s- OFDM QPSK	0	0	0.00	-0.8	-0.80	0.83	0.25
	462000	2310	24.18	-0.8	23.38	217.77	0.25
	0	0	0.00	-0.8	-0.80	0.83	0.25
10M-DFT-s- OFDM 16QAM	0	0	0.00	-0.8	-0.80	0.83	0.25
	462000	2310	23.87	-0.8	23.07	202.77	0.25
	0	0	0.00	-0.8	-0.80	0.83	0.25
10M-DFT-s- OFDM 64QAM	0	0	0.00	-0.8	-0.80	0.83	0.25
	462000	2310	22.42	-0.8	21.62	145.21	0.25
	0	0	0.00	-0.8	-0.80	0.83	0.25
10M-DFT-s- OFDM 256QAM	0	0	0.00	-0.8	-0.80	0.83	0.25
	462000	2310	20.35	-0.8	19.55	90.16	0.25
	0	0	0.00	-0.8	-0.80	0.83	0.25

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	24.36	-0.44	23.92	246.60	2.00
	519000	2595	24.32	-0.44	23.88	244.34	2.00
	520000	2600	24.34	-0.44	23.90	245.47	2.00
40M-QPSK	518000	2590	24.57	-0.44	24.13	258.82	2.00
	519000	2595	24.59	-0.44	24.15	260.02	2.00
	520000	2600	24.55	-0.44	24.11	257.63	2.00
40M-16QAM	518000	2590	24.42	-0.44	23.98	250.03	2.00
	519000	2595	24.47	-0.44	24.03	252.93	2.00
	520000	2600	24.39	-0.44	23.95	248.31	2.00
40M-64QAM	518000	2590	22.67	-0.44	22.23	167.11	2.00
	519000	2595	22.76	-0.44	22.32	170.61	2.00
	520000	2600	22.56	-0.44	22.12	162.93	2.00
40M- 256QAM	518000	2590	20.44	-0.44	20.00	100.00	2.00
	519000	2595	20.42	-0.44	19.98	99.54	2.00
	520000	2600	20.38	-0.44	19.94	98.63	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	517000	2585	24.27	-0.44	23.83	241.55	2.00
	519000	2595	24.29	-0.44	23.85	242.66	2.00
	521000	2605	24.33	-0.44	23.89	244.91	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	516000	2580	24.06	-0.44	23.62	230.14	2.00
	519000	2595	24.07	-0.44	23.63	230.67	2.00
	522000	2610	24.00	-0.44	23.56	226.99	2.00

FCC_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	24.11	-0.44	23.67	232.81	2.00
	518598	2592.99	24.23	-0.44	23.79	239.33	2.00
	528000	2640	24.16	-0.44	23.72	235.50	2.00
100M-QPSK	509202	2546.01	24.19	-0.44	23.75	237.14	2.00
	518598	2592.99	24.36	-0.44	23.92	246.60	2.00
	528000	2640	24.25	-0.44	23.81	240.44	2.00
100M- 16QAM	509202	2546.01	24.16	-0.44	23.72	235.50	2.00
	518598	2592.99	24.19	-0.44	23.75	237.14	2.00
	528000	2640	24.00	-0.44	23.56	226.99	2.00
100M- 64QAM	509202	2546.01	22.52	-0.44	22.08	161.44	2.00
	518598	2592.99	22.68	-0.44	22.24	167.49	2.00
	528000	2640	22.66	-0.44	22.22	166.72	2.00
100M- 256QAM	509202	2546.01	21.17	-0.44	20.73	118.30	2.00
	518598	2592.99	21.20	-0.44	20.76	119.12	2.00
	528000	2640	21.14	-0.44	20.70	117.49	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	508200	2541	24.02	-0.44	23.58	228.03	2.00
	518598	2592.99	24.06	-0.44	23.62	230.14	2.00
	528996	2644.98	24.10	-0.44	23.66	232.27	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	507204	2536.02	24.00	-0.44	23.56	226.99	2.00
	518598	2592.99	24.13	-0.44	23.69	233.88	2.00
	529998	2649.99	24.19	-0.44	23.75	237.14	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	506202	2531.01	24.11	-0.44	23.67	232.81	2.00
	518598	2592.99	24.02	-0.44	23.58	228.03	2.00
	531000	2655	24.16	-0.44	23.72	235.50	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	505200	2526	24.20	-0.44	23.76	237.68	2.00
	518598	2592.99	24.16	-0.44	23.72	235.50	2.00
	531996	2659.98	24.18	-0.44	23.74	236.59	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	504204	2521.02	24.06	-0.44	23.62	230.14	2.00
	518598	2592.99	24.24	-0.44	23.80	239.88	2.00

Test Report No.: RF260714B017

	532998	2664.99	24.18	-0.44	23.74	236.59	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	503202	2516.01	24.09	-0.44	23.65	231.74	2.00
	518598	2592.99	24.08	-0.44	23.64	231.21	2.00
	534000	2670	24.10	-0.44	23.66	232.27	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	502200	2511	24.10	-0.44	23.66	232.27	2.00
	518598	2592.99	24.01	-0.44	23.57	227.51	2.00
	534996	2674.98	24.09	-0.44	23.65	231.74	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	501204	2506.02	24.09	-0.44	23.65	231.74	2.00
	518598	2592.99	24.02	-0.44	23.58	228.03	2.00
	535998	2679.99	24.15	-0.44	23.71	234.96	2.00

FCC_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	24.58	1.94	26.52	448.75	2.00
	518598	2592.99	24.55	1.94	26.49	445.66	2.00
	528000	2640	24.56	1.94	26.50	446.68	2.00
100M-QPSK	509202	2546.01	24.42	1.94	26.36	432.51	2.00
	518598	2592.99	24.59	1.94	26.53	449.78	2.00
	528000	2640	24.33	1.94	26.27	423.64	2.00
100M- 16QAM	509202	2546.01	24.35	1.94	26.29	425.60	2.00
	518598	2592.99	24.32	1.94	26.26	422.67	2.00
	528000	2640	24.01	1.94	25.95	393.55	2.00
100M- 64QAM	509202	2546.01	24.00	1.94	25.94	392.64	2.00
	518598	2592.99	23.81	1.94	25.75	375.84	2.00
	528000	2640	23.71	1.94	25.65	367.28	2.00
100M- 256QAM	509202	2546.01	22.65	1.94	24.59	287.74	2.00
	518598	2592.99	22.60	1.94	24.54	284.45	2.00
	528000	2640	22.33	1.94	24.27	267.30	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	508200	2541	24.55	1.94	26.49	445.66	2.00
	518598	2592.99	24.51	1.94	26.45	441.57	2.00
	528996	2644.98	24.35	1.94	26.29	425.60	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	507204	2536.02	24.52	1.94	26.46	442.59	2.00
	518598	2592.99	24.49	1.94	26.43	439.54	2.00
	529998	2649.99	24.34	1.94	26.28	424.62	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	506202	2531.01	24.55	1.94	26.49	445.66	2.00
	518598	2592.99	24.47	1.94	26.41	437.52	2.00
	531000	2655	24.31	1.94	26.25	421.70	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	505200	2526	24.57	1.94	26.51	447.71	2.00
	518598	2592.99	24.44	1.94	26.38	434.51	2.00
	531996	2659.98	24.39	1.94	26.33	429.54	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	504204	2521.02	24.51	1.94	26.45	441.57	2.00
	518598	2592.99	24.41	1.94	26.35	431.52	2.00

Test Report No.: RF260714B017

	532998	2664.99	24.41	1.94	26.35	431.52	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	503202	2516.01	24.53	1.94	26.47	443.61	2.00
	518598	2592.99	24.46	1.94	26.40	436.52	2.00
	534000	2670	24.43	1.94	26.37	433.51	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	502200	2511	24.55	1.94	26.49	445.66	2.00
	518598	2592.99	24.47	1.94	26.41	437.52	2.00
	534996	2674.98	24.45	1.94	26.39	435.51	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	501204	2506.02	24.55	1.94	26.49	445.66	2.00
	518598	2592.99	24.44	1.94	26.38	434.51	2.00
	535998	2679.99	24.37	1.94	26.31	427.56	2.00

n66 (SCS 15kHz)_Ant0							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-Pi/2 BPSK	345000	1725	25.24	-0.56	24.68	293.76	1.00
	349000	1745	25.25	-0.56	24.69	294.44	1.00
	353000	1765	25.21	-0.56	24.65	291.74	1.00
30M-QPSK	345000	1725	25.19	-0.56	24.63	290.40	1.00
	349000	1745	25.27	-0.56	24.71	295.80	1.00
	353000	1765	25.15	-0.56	24.59	287.74	1.00
30M-16QAM	345000	1725	24.25	-0.56	23.69	233.88	1.00
	349000	1745	24.37	-0.56	23.81	240.44	1.00
	353000	1765	24.32	-0.56	23.76	237.68	1.00
30M-64QAM	345000	1725	22.46	-0.56	21.90	154.88	1.00
	349000	1745	22.58	-0.56	22.02	159.22	1.00
	353000	1765	22.53	-0.56	21.97	157.40	1.00
30M- 256QAM	345000	1725	20.42	-0.56	19.86	96.83	1.00
	349000	1745	20.55	-0.56	19.99	99.77	1.00
	353000	1765	20.46	-0.56	19.90	97.72	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	344000	1720	25.12	-0.56	24.56	285.76	1.00
	349000	1745	25.23	-0.56	24.67	293.09	1.00
	354000	1770	24.96	-0.56	24.40	275.42	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	343500	1717.5	25.13	-0.56	24.57	286.42	1.00
	349000	1745	25.12	-0.56	24.56	285.76	1.00
	354500	1772.5	25.09	-0.56	24.53	283.79	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	343000	1715	25.09	-0.56	24.53	283.79	1.00
	349000	1745	25.09	-0.56	24.53	283.79	1.00
	355000	1775	25.07	-0.56	24.51	282.49	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	342500	1712.5	24.83	-0.56	24.27	267.30	1.00
	349000	1745	25.04	-0.56	24.48	280.54	1.00
	355500	1777.5	25.10	-0.56	24.54	284.45	1.00

n66 (SCS 15kHz)_Ant2							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-Pi/2 BPSK	345000	1725	24.21	-4.48	19.73	93.97	1.00
	349000	1745	24.06	-4.48	19.58	90.78	1.00
	353000	1765	24.09	-4.48	19.61	91.41	1.00
30M-QPSK	345000	1725	24.35	-4.48	19.87	97.05	1.00
	349000	1745	24.19	-4.48	19.71	93.54	1.00
	353000	1765	24.12	-4.48	19.64	92.04	1.00
30M-16QAM	345000	1725	23.68	-4.48	19.20	83.18	1.00
	349000	1745	23.52	-4.48	19.04	80.17	1.00
	353000	1765	23.37	-4.48	18.89	77.45	1.00
30M-64QAM	345000	1725	21.53	-4.48	17.05	50.70	1.00
	349000	1745	21.56	-4.48	17.08	51.05	1.00
	353000	1765	21.16	-4.48	16.68	46.56	1.00
30M- 256QAM	345000	1725	19.51	-4.48	15.03	31.84	1.00
	349000	1745	19.31	-4.48	14.83	30.41	1.00
	353000	1765	19.21	-4.48	14.73	29.72	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	344000	1720	24.21	-4.48	19.73	93.97	1.00
	349000	1745	24.03	-4.48	19.55	90.16	1.00
	354000	1770	23.83	-4.48	19.35	86.10	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	343500	1717.5	24.25	-4.48	19.77	94.84	1.00
	349000	1745	23.97	-4.48	19.49	88.92	1.00
	354500	1772.5	23.81	-4.48	19.33	85.70	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	343000	1715	24.16	-4.48	19.68	92.90	1.00
	349000	1745	23.96	-4.48	19.48	88.72	1.00
	355000	1775	23.78	-4.48	19.30	85.11	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	342500	1712.5	24.20	-4.48	19.72	93.76	1.00
	349000	1745	23.88	-4.48	19.40	87.10	1.00
	355500	1777.5	23.74	-4.48	19.26	84.33	1.00

n71 (SCS 15kHz)_Ant0							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
20M-Pi/2 BPSK	134600	673	24.05	-5.31	16.59	45.60	3.00
	136100	680.5	24.03	-5.31	16.57	45.39	3.00
	137600	688	23.95	-5.31	16.49	44.57	3.00
20M-QPSK	134600	673	24.13	-5.31	16.67	46.45	3.00
	136100	680.5	24.09	-5.31	16.63	46.03	3.00
	137600	688	24.06	-5.31	16.60	45.71	3.00
20M-16QAM	134600	673	23.43	-5.31	15.97	39.54	3.00
	136100	680.5	23.35	-5.31	15.89	38.82	3.00
	137600	688	23.21	-5.31	15.75	37.58	3.00
20M-64QAM	134600	673	21.40	-5.31	13.94	24.77	3.00
	136100	680.5	21.33	-5.31	13.87	24.38	3.00
	137600	688	21.29	-5.31	13.83	24.15	3.00
20M- 256QAM	134600	673	19.31	-5.31	11.85	15.31	3.00
	136100	680.5	19.27	-5.31	11.81	15.17	3.00
	137600	688	19.28	-5.31	11.82	15.21	3.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
15M-QPSK	134100	670.5	24.10	-5.31	16.64	46.13	3.00
	136100	680.5	23.99	-5.31	16.53	44.98	3.00
	138100	690.5	24.01	-5.31	16.55	45.19	3.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
10M-QPSK	133600	668	24.04	-5.31	16.58	45.50	3.00
	136100	680.5	23.94	-5.31	16.48	44.46	3.00
	138600	693	23.97	-5.31	16.51	44.77	3.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
5M-QPSK	133100	665.5	24.01	-5.31	16.55	45.19	3.00
	136100	680.5	24.03	-5.31	16.57	45.39	3.00
	139100	695.5	24.05	-5.31	16.59	45.60	3.00

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	3500.01	22.98	3.12	26.10	407.38	1.00
100M-QPSK	633334	3500.01	23.11	3.12	26.23	419.76	1.00
100M- 16QAM	633334	3500.01	22.91	3.12	26.03	400.87	1.00
100M- 64QAM	633334	3500.01	22.64	3.12	25.76	376.70	1.00
100M- 256QAM	633334	3500.01	21.65	3.12	24.77	299.92	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	22.91	3.12	26.03	400.87	1.00
	633334	3500.01	22.82	3.12	25.94	392.64	1.00
	634000	3510	22.79	3.12	25.91	389.94	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	22.85	3.12	25.97	395.37	1.00
	633334	3500.01	22.74	3.12	25.86	385.48	1.00
	634666	3519.99	22.64	3.12	25.76	376.70	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	22.81	3.12	25.93	391.74	1.00
	633334	3500.01	22.70	3.12	25.82	381.94	1.00
	635332	3529.98	22.71	3.12	25.83	382.82	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	22.76	3.12	25.88	387.26	1.00
	633334	3500.01	22.69	3.12	25.81	381.07	1.00
	635666	3534.99	22.78	3.12	25.90	389.05	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	22.90	3.12	26.02	399.94	1.00
	633334	3500.01	22.70	3.12	25.82	381.94	1.00



Test Report No.: RF260714B017

	636000	3540	22.65	3.12	25.77	377.57	1.00
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Part270_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	650000	3750	23.17	3.12	26.29	425.60	1.00
	656000	3840	23.09	3.12	26.21	417.83	1.00
	662000	3930	23.10	3.12	26.22	418.79	1.00
100M-QPSK	650000	3750	23.21	3.12	26.33	429.54	1.00
	656000	3840	23.16	3.12	26.28	424.62	1.00
	662000	3930	23.13	3.12	26.25	421.70	1.00
100M- 16QAM	650000	3750	23.00	3.12	26.12	409.26	1.00
	656000	3840	23.02	3.12	26.14	411.15	1.00
	662000	3930	23.03	3.12	26.15	412.10	1.00
100M- 64QAM	650000	3750	22.64	3.12	25.76	376.70	1.00
	656000	3840	22.75	3.12	25.87	386.37	1.00
	662000	3930	22.68	3.12	25.80	380.19	1.00
100M- 256QAM	650000	3750	21.63	3.12	24.75	298.54	1.00
	656000	3840	21.55	3.12	24.67	293.09	1.00
	662000	3930	21.59	3.12	24.71	295.80	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	649334	3740.01	23.05	3.12	26.17	414.00	1.00
	656000	3840	23.00	3.12	26.12	409.26	1.00
	662666	3939.99	22.97	3.12	26.09	406.44	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	648668	3730.02	22.99	3.12	26.11	408.32	1.00
	656000	3840	23.03	3.12	26.15	412.10	1.00
	663332	3949.98	23.05	3.12	26.17	414.00	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	648000	3720	23.10	3.12	26.22	418.79	1.00
	656000	3840	23.06	3.12	26.18	414.95	1.00
	664000	3960	23.01	3.12	26.13	410.20	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	647668	3715.02	22.91	3.12	26.03	400.87	1.00
	656000	3840	22.98	3.12	26.10	407.38	1.00
	664332	3964.98	22.84	3.12	25.96	394.46	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	647334	3710.01	22.55	3.12	25.67	368.98	1.00
	656000	3840	22.57	3.12	25.69	370.68	1.00



Test Report No.: RF260714B017

	664666	3969.99	22.65	3.12	25.77	377.57	1.00
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Part27Q_n78 (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	3500.01	22.99	1.6	24.59	287.74	1.00
100M-QPSK	633334	3500.01	23.06	1.6	24.66	292.42	1.00
100M- 16QAM	633334	3500.01	22.97	1.6	24.57	286.42	1.00
100M- 64QAM	633334	3500.01	22.56	1.6	24.16	260.62	1.00
100M- 256QAM	633334	3500.01	21.57	1.6	23.17	207.49	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	22.91	1.6	24.51	282.49	1.00
	633334	3500.01	22.98	1.6	24.58	287.08	1.00
	633666	3504.99	22.93	1.6	24.53	283.79	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	22.96	1.6	24.56	285.76	1.00
	633334	3500.01	22.97	1.6	24.57	286.42	1.00
	634000	3510	23.01	1.6	24.61	289.07	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	632334	3485.01	22.93	1.6	24.53	283.79	1.00
	633334	3500.01	23.03	1.6	24.63	290.40	1.00
	634332	3514.98	23.02	1.6	24.62	289.73	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	22.91	1.6	24.51	282.49	1.00
	633334	3500.01	23.00	1.6	24.60	288.40	1.00
	634666	3519.99	22.95	1.6	24.55	285.10	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	631668	3475.02	22.99	1.6	24.59	287.74	1.00
	633334	3500.01	22.91	1.6	24.51	282.49	1.00

Test Report No.: RF260714B017

	635000	3525	22.98	1.6	24.58	287.08	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	23.03	1.6	24.63	290.40	1.00
	633334	3500.01	23.01	1.6	24.61	289.07	1.00
	635332	3529.98	23.01	1.6	24.61	289.07	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	22.91	1.6	24.51	282.49	1.00
	633334	3500.01	23.00	1.6	24.60	288.40	1.00
	635666	3534.99	22.95	1.6	24.55	285.10	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	22.97	1.6	24.57	286.42	1.00
	633334	3500.01	23.01	1.6	24.61	289.07	1.00
	636000	3540	22.93	1.6	24.53	283.79	1.00

FCC_HPUE 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	25.82	-0.44	25.38	345.14	2.00
	518598	2592.99	25.85	-0.44	25.41	347.54	2.00
	528000	2640	25.81	-0.44	25.37	344.35	2.00
100M-QPSK	509202	2546.01	25.85	-0.44	25.41	347.54	2.00
	518598	2592.99	25.89	-0.44	25.45	350.75	2.00
	528000	2640	25.82	-0.44	25.38	345.14	2.00
100M- 16QAM	509202	2546.01	24.26	-0.44	23.82	240.99	2.00
	518598	2592.99	25.36	-0.44	24.92	310.46	2.00
	528000	2640	24.47	-0.44	24.03	252.93	2.00
100M- 64QAM	509202	2546.01	23.57	-0.44	23.13	205.59	2.00
	518598	2592.99	23.63	-0.44	23.19	208.45	2.00
	528000	2640	23.39	-0.44	22.95	197.24	2.00
100M- 256QAM	509202	2546.01	20.97	-0.44	20.53	112.98	2.00
	518598	2592.99	21.23	-0.44	20.79	119.95	2.00
	528000	2640	21.04	-0.44	20.60	114.82	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	508200	2541	25.71	-0.44	25.27	336.51	2.00
	518598	2592.99	25.85	-0.44	25.41	347.54	2.00
	528996	2644.98	25.78	-0.44	25.34	341.98	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	507204	2536.02	25.77	-0.44	25.33	341.19	2.00
	518598	2592.99	25.76	-0.44	25.32	340.41	2.00
	529998	2649.99	25.78	-0.44	25.34	341.98	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	506202	2531.01	25.71	-0.44	25.27	336.51	2.00
	518598	2592.99	25.74	-0.44	25.30	338.84	2.00
	531000	2655	25.77	-0.44	25.33	341.19	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	505200	2526	25.84	-0.44	25.40	346.74	2.00
	518598	2592.99	25.86	-0.44	25.42	348.34	2.00
	531996	2659.98	25.73	-0.44	25.29	338.06	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)

Test Report No.: RF260714B017

50M-QPSK	504204	2521.02	25.72	-0.44	25.28	337.29	2.00
	518598	2592.99	25.87	-0.44	25.43	349.14	2.00
	532998	2664.99	25.68	-0.44	25.24	334.20	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	503202	2516.01	25.77	-0.44	25.33	341.19	2.00
	518598	2592.99	25.83	-0.44	25.39	345.94	2.00
	534000	2670	25.67	-0.44	25.23	333.43	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	502200	2511	25.75	-0.44	25.31	339.63	2.00
	518598	2592.99	25.86	-0.44	25.42	348.34	2.00
	534996	2674.98	25.74	-0.44	25.30	338.84	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	501204	2506.02	25.74	-0.44	25.30	338.84	2.00
	518598	2592.99	25.79	-0.44	25.35	342.77	2.00
	535998	2679.99	25.73	-0.44	25.29	338.06	2.00

FCC_HPUE 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	26.25	1.94	28.19	659.17	2.00
	518598	2592.99	26.05	1.94	27.99	629.51	2.00
	528000	2640	26.46	1.94	28.40	691.83	2.00
100M-QPSK	509202	2546.01	25.86	1.94	27.80	602.56	2.00
	518598	2592.99	26.49	1.94	28.43	696.63	2.00
	528000	2640	26.14	1.94	28.08	642.69	2.00
100M- 16QAM	509202	2546.01	24.96	1.94	26.90	489.78	2.00
	518598	2592.99	25.18	1.94	27.12	515.23	2.00
	528000	2640	24.85	1.94	26.79	477.53	2.00
100M- 64QAM	509202	2546.01	23.42	1.94	25.36	343.56	2.00
	518598	2592.99	23.52	1.94	25.46	351.56	2.00
	528000	2640	23.20	1.94	25.14	326.59	2.00
100M- 256QAM	509202	2546.01	21.89	1.94	23.83	241.55	2.00
	518598	2592.99	21.53	1.94	23.47	222.33	2.00
	528000	2640	22.22	1.94	24.16	260.62	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	508200	2541	25.85	1.94	27.79	601.17	2.00
	518598	2592.99	26.32	1.94	28.26	669.88	2.00
	528996	2644.98	25.84	1.94	27.78	599.79	2.00

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Test Report No.: RF260714B017

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	507204	2536.02	25.82	1.94	27.76	597.04	2.00
	518598	2592.99	26.10	1.94	28.04	636.80	2.00
	529998	2649.99	25.88	1.94	27.82	605.34	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	506202	2531.01	25.80	1.94	27.74	594.29	2.00
	518598	2592.99	25.95	1.94	27.89	615.18	2.00
	531000	2655	25.85	1.94	27.79	601.17	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	505200	2526	25.78	1.94	27.72	591.56	2.00
	518598	2592.99	26.48	1.94	28.42	695.02	2.00
	531996	2659.98	25.83	1.94	27.77	598.41	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-QPSK	504204	2521.02	25.81	1.94	27.75	595.66	2.00
	518598	2592.99	26.33	1.94	28.27	671.43	2.00
	532998	2664.99	25.81	1.94	27.75	595.66	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	503202	2516.01	25.84	1.94	27.78	599.79	2.00
	518598	2592.99	26.44	1.94	28.38	688.65	2.00
	534000	2670	25.77	1.94	27.71	590.20	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	502200	2511	25.79	1.94	27.73	592.93	2.00
	518598	2592.99	26.43	1.94	28.37	687.07	2.00
	534996	2674.98	25.85	1.94	27.79	601.17	2.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	501204	2506.02	25.80	1.94	27.74	594.29	2.00
	518598	2592.99	26.22	1.94	28.16	654.64	2.00
	535998	2679.99	25.79	1.94	27.73	592.93	2.00

Part27Q_HPUE n77 (SCS 30kHz)_Ant1

BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
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Test Report No.: RF260714B017

100M-Pi/2 BPSK	633334	3500.01	25.41	3.12	28.53	712.85	1.00
100M-QPSK	633334	3500.01	25.53	3.12	28.65	732.82	1.00
100M-16QAM	633334	3500.01	24.60	3.12	27.72	591.56	1.00
100M-64QAM	633334	3500.01	22.71	3.12	25.83	382.82	1.00
100M-256QAM	633334	3500.01	20.94	3.12	24.06	254.68	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	25.14	3.12	28.26	669.88	1.00
	633334	3500.01	25.20	3.12	28.32	679.20	1.00
	634000	3510	25.18	3.12	28.30	676.08	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	25.10	3.12	28.22	663.74	1.00
	633334	3500.01	25.15	3.12	28.27	671.43	1.00
	634666	3519.99	25.22	3.12	28.34	682.34	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	25.14	3.12	28.26	669.88	1.00
	633334	3500.01	25.20	3.12	28.32	679.20	1.00
	635332	3529.98	25.09	3.12	28.21	662.22	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	25.12	3.12	28.24	666.81	1.00
	633334	3500.01	25.15	3.12	28.27	671.43	1.00
	635666	3534.99	25.20	3.12	28.32	679.20	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	25.11	3.12	28.23	665.27	1.00
	633334	3500.01	25.15	3.12	28.27	671.43	1.00
	636000	3540	25.22	3.12	28.34	682.34	1.00

Part270_HPUE 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	650000	3750	25.75	3.12	28.87	770.90	1.00
	656000	3840	25.76	3.12	28.88	772.68	1.00
	662000	3930	25.57	3.12	28.69	739.61	1.00
100M-QPSK	650000	3750	25.77	3.12	28.89	774.46	1.00
	656000	3840	25.82	3.12	28.94	783.43	1.00
	662000	3930	25.66	3.12	28.78	755.09	1.00
100M- 16QAM	650000	3750	24.66	3.12	27.78	599.79	1.00
	656000	3840	24.92	3.12	28.04	636.80	1.00
	662000	3930	24.90	3.12	28.02	633.87	1.00
100M- 64QAM	650000	3750	22.70	3.12	25.82	381.94	1.00
	656000	3840	23.12	3.12	26.24	420.73	1.00
	662000	3930	23.05	3.12	26.17	414.00	1.00
100M- 256QAM	650000	3750	20.68	3.12	23.80	239.88	1.00
	656000	3840	21.07	3.12	24.19	262.42	1.00
	662000	3930	21.03	3.12	24.15	260.02	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	649334	3740.01	25.76	3.12	28.88	772.68	1.00
	656000	3840	25.70	3.12	28.82	762.08	1.00
	662666	3939.99	25.55	3.12	28.67	736.21	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	648668	3730.02	25.68	3.12	28.80	758.58	1.00
	656000	3840	25.70	3.12	28.82	762.08	1.00
	663332	3949.98	25.63	3.12	28.75	749.89	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	648000	3720	25.75	3.12	28.87	770.90	1.00
	656000	3840	25.71	3.12	28.83	763.84	1.00
	664000	3960	25.63	3.12	28.75	749.89	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	647668	3715.02	25.75	3.12	28.87	770.90	1.00
	656000	3840	25.70	3.12	28.82	762.08	1.00
	664332	3964.98	25.51	3.12	28.63	729.46	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	647334	3710.01	25.71	3.12	28.83	763.84	1.00
	656000	3840	25.80	3.12	28.92	779.83	1.00

Test Report No.: RF260714B017

	664666	3969.99	25.65	3.12	28.77	753.36	1.00
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Part27Q_HPUE n78 (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	3500.01	25.25	1.6	26.85	484.17	1.00
100M-QPSK	633334	3500.01	25.35	1.6	26.95	495.45	1.00
100M- 16QAM	633334	3500.01	24.07	1.6	25.67	368.98	1.00
100M- 64QAM	633334	3500.01	22.73	1.6	24.33	271.02	1.00
100M- 256QAM	633334	3500.01	20.89	1.6	22.49	177.42	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-QPSK	633000	3495	25.23	1.6	26.83	481.95	1.00
	633334	3500.01	25.20	1.6	26.80	478.63	1.00
	633666	3504.99	25.17	1.6	26.77	475.34	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-QPSK	632668	3490.02	25.12	1.6	26.72	469.89	1.00
	633334	3500.01	25.13	1.6	26.73	470.98	1.00
	634000	3510	25.23	1.6	26.83	481.95	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-QPSK	632334	3485.01	25.13	1.6	26.73	470.98	1.00
	633334	3500.01	25.22	1.6	26.82	480.84	1.00
	634332	3514.98	25.10	1.6	26.70	467.74	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-QPSK	632000	3480	25.22	1.6	26.82	480.84	1.00
	633334	3500.01	25.18	1.6	26.78	476.43	1.00
	634666	3519.99	25.14	1.6	26.74	472.06	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)

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Test Report No.: RF260714B017

50M-QPSK	631668	3475.02	25.19	1.6	26.79	477.53	1.00
	633334	3500.01	25.18	1.6	26.78	476.43	1.00
	635000	3525	25.20	1.6	26.80	478.63	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-QPSK	631334	3470.01	25.18	1.6	26.78	476.43	1.00
	633334	3500.01	25.23	1.6	26.83	481.95	1.00
	635332	3529.98	25.14	1.6	26.74	472.06	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-QPSK	631000	3465	25.13	1.6	26.73	470.98	1.00
	633334	3500.01	25.10	1.6	26.70	467.74	1.00
	635666	3534.99	25.23	1.6	26.83	481.95	1.00
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	630668	3460.02	25.19	1.6	26.79	477.53	1.00
	633334	3500.01	25.16	1.6	26.76	474.24	1.00
	636000	3540	25.16	1.6	26.76	474.24	1.00



Test Report No.: RF260714B017

PC3_Part27Q_n77 (SCS 30kHz)			Ant0				Ant1				Ant0+1				
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-CP- OFDM QPSK	633334	3500.01	19.68	-1.89	17.79	60.12	19.88	3.12	23.00	199.53	22.79	4.31	27.10	513.14	1
100M-CP- OFDM 16QAM	633334	3500.01	19.59	-1.89	17.70	58.88	19.76	3.12	22.88	194.09	22.69	4.31	27.00	500.85	1
100M-CP- OFDM 64QAM	633334	3500.01	18.80	-1.89	16.91	49.09	19.34	3.12	22.46	176.20	22.09	4.31	26.40	436.48	1
100M-CP- OFDM 256QAM	633334	3500.01	16.31	-1.89	14.42	27.67	16.35	3.12	19.47	88.51	19.34	4.31	23.65	231.81	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-CP- OFDM QPSK	632668	3490.02	19.59	-1.89	17.70	58.88	19.81	3.12	22.93	196.34	22.71	4.31	27.02	503.80	1
	633334	3500.01	19.63	-1.89	17.74	59.43	19.89	3.12	23.01	199.99	22.77	4.31	27.08	510.88	1
	634000	3510	19.59	-1.89	17.70	58.88	19.84	3.12	22.96	197.70	22.73	4.31	27.04	505.59	1
	Channel														

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BW [MHz] Modulation		Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-CP- OFDM QPSK	632000	3480	19.55	-1.89	17.66	58.34	19.78	3.12	22.90	194.98	22.68	4.31	26.99	499.77	1
	633334	3500.01	19.54	-1.89	17.65	58.21	19.87	3.12	22.99	199.07	22.72	4.31	27.03	504.59	1
	634666	3519.99	19.58	-1.89	17.69	58.75	19.82	3.12	22.94	196.79	22.71	4.31	27.02	503.83	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-CP- OFDM QPSK	631334	3470.01	19.46	-1.89	17.57	57.15	19.77	3.12	22.89	194.54	22.63	4.31	26.94	494.19	1
	633334	3500.01	19.59	-1.89	17.70	58.88	19.77	3.12	22.89	194.54	22.69	4.31	27.00	501.43	1
	635332	3529.98	19.57	-1.89	17.68	58.61	19.74	3.12	22.86	193.20	22.67	4.31	26.98	498.54	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-CP- OFDM QPSK	631000	3465	19.46	-1.89	17.57	57.15	19.80	3.12	22.92	195.88	22.64	4.31	26.95	495.97	1
	633334	3500.01	19.48	-1.89	17.59	57.41	19.85	3.12	22.97	198.15	22.68	4.31	26.99	500.05	1
	635666	3534.99	19.49	-1.89	17.60	57.54	19.78	3.12	22.90	194.98	22.65	4.31	26.96	496.44	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
	630668	3460.02	19.44	-1.89	17.55	56.89	19.75	3.12	22.87	193.64	22.61	4.31	26.92	491.92	1
	633334	3500.01	19.48	-1.89	17.59	57.41	19.79	3.12	22.91	195.43	22.65	4.31	26.96	496.48	1

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Test Report No.: RF260714B017

20M-CP-OFDM QPSK	636000	3540	19.58	-1.89	17.69	58.75	19.76	3.12	22.88	194.09	22.68	4.31	26.99	500.28	1
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PC3_Part270_n77 (SCS 30kHz)			Ant0				Ant1				Ant0+1				
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-CP-OFDM QPSK	650000	3750	20.44	-1.89	18.55	71.61	19.77	3.12	22.89	194.54	23.13	4.31	27.44	554.51	1
	656000	3840	20.22	-1.89	18.33	68.08	19.94	3.12	23.06	202.30	23.09	4.31	27.40	549.98	1
	662000	3930	20.06	-1.89	18.17	65.61	19.84	3.12	22.96	197.70	22.96	4.31	27.27	533.65	1
100M-CP-OFDM 16QAM	650000	3750	19.87	-1.89	17.98	62.81	19.84	3.12	22.96	197.70	22.87	4.31	27.18	521.94	1
	656000	3840	19.88	-1.89	17.99	62.95	19.89	3.12	23.01	199.99	22.90	4.31	27.21	525.56	1
	662000	3930	19.84	-1.89	17.95	62.37	19.78	3.12	22.90	194.98	22.82	4.31	27.13	516.57	1
100M-CP-OFDM 64QAM	650000	3750	19.51	-1.89	17.62	57.81	19.21	3.12	22.33	171.00	22.37	4.31	26.68	465.99	1
	656000	3840	19.46	-1.89	17.57	57.15	19.49	3.12	22.61	182.39	22.49	4.31	26.80	478.22	1
	662000	3930	19.18	-1.89	17.29	53.58	19.10	3.12	22.22	166.72	22.15	4.31	26.46	442.73	1
100M-CP-OFDM 256QAM	650000	3750	16.82	-1.89	14.93	31.12	16.16	3.12	19.28	84.72	19.51	4.31	23.82	241.20	1
	656000	3840	16.94	-1.89	15.05	31.99	16.30	3.12	19.42	87.50	19.64	4.31	23.95	248.48	1
	662000	3930	16.75	-1.89	14.86	30.62	16.26	3.12	19.38	86.70	19.52	4.31	23.83	241.72	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)

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Test Report No.: RF260714B017

80M-CP-	649334	3740.01	20.35	-1.89	18.46	70.15	19.63	3.12	22.75	188.36	23.02	4.31	27.33	540.27	1
OFDM	656000	3840	20.10	-1.89	18.21	66.22	19.82	3.12	22.94	196.79	22.97	4.31	27.28	534.99	1
QPSK	662666	3939.99	19.96	-1.89	18.07	64.12	19.78	3.12	22.90	194.98	22.88	4.31	27.19	523.86	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-CP-	648668	3730.02	20.42	-1.89	18.53	71.29	19.62	3.12	22.74	187.93	23.05	4.31	27.36	544.45	1
OFDM	656000	3840	20.21	-1.89	18.32	67.92	19.89	3.12	23.01	199.99	23.06	4.31	27.37	546.28	1
QPSK	663332	3949.98	20.02	-1.89	18.13	65.01	19.76	3.12	22.88	194.09	22.90	4.31	27.21	526.40	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-CP-	648000	3720	20.43	-1.89	18.54	71.45	19.76	3.12	22.88	194.09	23.12	4.31	27.43	553.24	1
OFDM	656000	3840	20.14	-1.89	18.25	66.83	19.81	3.12	22.93	196.34	22.99	4.31	27.30	536.95	1
QPSK	664000	3960	19.95	-1.89	18.06	63.97	19.72	3.12	22.84	192.31	22.85	4.31	27.16	519.72	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-CP-	647668	3715.02	20.29	-1.89	18.40	69.18	19.64	3.12	22.76	188.80	22.99	4.31	27.30	536.83	1
OFDM	656000	3840	20.20	-1.89	18.31	67.76	19.79	3.12	22.91	195.43	23.01	4.31	27.32	539.64	1
QPSK	664332	3964.98	19.92	-1.89	18.03	63.53	19.78	3.12	22.90	194.98	22.86	4.31	27.17	521.41	1
	Channel														

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BW [MHz] Modulation		Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-CP- OFDM QPSK	647334	3710.01	20.30	-1.89	18.41	69.34	19.76	3.12	22.88	194.09	23.05	4.31	27.36	544.45	1
	656000	3840	20.21	-1.89	18.32	67.92	19.87	3.12	22.99	199.07	23.05	4.31	27.36	545.07	1
	664666	3969.99	19.99	-1.89	18.10	64.57	19.70	3.12	22.82	191.43	22.86	4.31	27.17	521.03	1

PC3_Part27Q_n78 (SCS 30kHz)			Ant0				Ant1				Ant0+1				
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-CP- OFDM QPSK	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
	633334	3500.01	19.50	-1.89	17.61	57.68	19.79	1.6	21.39	137.72	22.66	3.21	25.86	385.88	1
	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
100M-CP- OFDM 16QAM	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
	633334	3500.01	19.49	-1.89	17.60	57.54	19.77	1.6	21.37	137.09	22.64	3.21	25.85	384.54	1
	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
100M-CP- OFDM 64QAM	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
	633334	3500.01	18.61	-1.89	16.72	46.99	19.10	1.6	20.70	117.49	21.87	3.21	25.08	322.04	1
	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
100M-CP- OFDM 256QAM	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
	633334	3500.01	16.40	-1.89	14.51	28.25	16.28	1.6	17.88	61.38	19.35	3.21	22.56	180.20	1
	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1

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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-CP- OFDM QPSK	633000	3495	19.26	-1.89	17.37	54.58	19.66	1.6	21.26	133.66	22.47	3.21	25.68	369.98	1
	633334	3500.01	19.27	-1.89	17.38	54.70	19.68	1.6	21.28	134.28	22.49	3.21	25.70	371.28	1
	633666	3504.99	19.25	-1.89	17.36	54.45	19.70	1.6	21.30	134.90	22.49	3.21	25.70	371.36	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-CP- OFDM QPSK	632668	3490.02	19.15	-1.89	17.26	53.21	19.52	1.6	21.12	129.42	22.35	3.21	25.56	359.42	1
	633334	3500.01	19.15	-1.89	17.26	53.21	19.57	1.6	21.17	130.92	22.38	3.21	25.58	361.59	1
	634000	3510	19.15	-1.89	17.26	53.21	19.58	1.6	21.18	131.22	22.38	3.21	25.59	362.03	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
70M-CP- OFDM QPSK	632334	3485.01	19.19	-1.89	17.30	53.70	19.55	1.6	21.15	130.32	22.38	3.21	25.59	362.31	1
	633334	3500.01	19.21	-1.89	17.32	53.95	19.59	1.6	21.19	131.52	22.41	3.21	25.62	364.86	1
	634332	3514.98	19.10	-1.89	17.21	52.60	19.57	1.6	21.17	130.92	22.35	3.21	25.56	359.62	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
	632000	3480	19.22	-1.89	17.33	54.08	19.63	1.6	21.23	132.74	22.44	3.21	25.65	367.03	1
	633334	3500.01	19.26	-1.89	17.37	54.58	19.58	1.6	21.18	131.22	22.43	3.21	25.64	366.44	1

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Test Report No.: RF260714B017

60M-CP-OFDM QPSK	634666	3519.99	19.20	-1.89	17.31	53.83	19.69	1.6	21.29	134.59	22.46	3.21	25.67	368.90	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-CP-OFDM QPSK	631668	3475.02	19.17	-1.89	17.28	53.46	19.62	1.6	21.22	132.43	22.41	3.21	25.62	364.58	1
	633334	3500.01	19.22	-1.89	17.33	54.08	19.53	1.6	21.13	129.72	22.39	3.21	25.59	362.65	1
	635000	3525	19.23	-1.89	17.34	54.20	19.64	1.6	21.24	133.05	22.45	3.21	25.66	367.87	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-CP-OFDM QPSK	631334	3470.01	19.12	-1.89	17.23	52.84	19.51	1.6	21.11	129.12	22.33	3.21	25.54	357.81	1
	633334	3500.01	19.23	-1.89	17.34	54.20	19.63	1.6	21.23	132.74	22.44	3.21	25.65	367.43	1
	635332	3529.98	19.20	-1.89	17.31	53.83	19.69	1.6	21.29	134.59	22.46	3.21	25.67	368.90	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-CP-OFDM QPSK	631000	3465	19.14	-1.89	17.25	53.09	19.60	1.6	21.20	131.83	22.39	3.21	25.59	362.51	1
	633334	3500.01	19.16	-1.89	17.27	53.33	19.66	1.6	21.26	133.66	22.43	3.21	25.63	365.96	1
	635666	3534.99	19.13	-1.89	17.24	52.97	19.60	1.6	21.20	131.83	22.38	3.21	25.59	362.12	1
	Channel														

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Test Report No.: RF260714B017

BW [MHz] Modulation		Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-CP- OFDM QPSK	630668	3460.02	19.22	-1.89	17.33	54.08	19.54	1.6	21.14	130.02	22.39	3.21	25.60	363.08	1
	633334	3500.01	19.32	-1.89	17.43	55.34	19.66	1.6	21.26	133.66	22.50	3.21	25.71	372.43	1
	636000	3540	19.20	-1.89	17.31	53.83	19.59	1.6	21.19	131.52	22.41	3.21	25.62	364.46	1

PC2_Part27Q_n77 (SCS 30kHz)			Ant0				Ant1				Ant0+1				
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-CP- OFDM QPSK	633334	3500.01	21.01	-1.89	19.12	81.66	21.27	3.12	24.39	274.79	24.15	4.31	28.46	701.97	1
100M-CP- OFDM 16QAM	633334	3500.01	20.68	-1.89	18.79	75.68	21.06	3.12	24.18	261.82	23.88	4.31	28.20	659.99	1
100M-CP- OFDM 64QAM	633334	3500.01	19.56	-1.89	17.67	58.48	19.63	3.12	22.75	188.36	22.61	4.31	26.92	491.63	1
100M-CP- OFDM 256QAM	633334	3500.01	16.79	-1.89	14.90	30.90	16.71	3.12	19.83	96.16	19.76	4.31	24.07	255.35	1

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BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-CP- OFDM QPSK	632668	3490.02	20.89	-1.89	19.00	79.43	20.96	3.12	24.08	255.86	23.94	4.31	28.25	667.78	1
	633334	3500.01	20.84	-1.89	18.95	78.52	21.10	3.12	24.22	264.24	23.98	4.31	28.29	675.02	1
	634000	3510	20.93	-1.89	19.04	80.17	20.97	3.12	24.09	256.45	23.96	4.31	28.27	671.62	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-CP- OFDM QPSK	632000	3480	20.87	-1.89	18.98	79.07	21.07	3.12	24.19	262.42	23.98	4.31	28.29	674.89	1
	633334	3500.01	20.79	-1.89	18.90	77.62	21.10	3.12	24.22	264.24	23.96	4.31	28.27	671.27	1
	634666	3519.99	20.81	-1.89	18.92	77.98	21.09	3.12	24.21	263.63	23.96	4.31	28.27	671.96	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-CP- OFDM QPSK	631334	3470.01	20.80	-1.89	18.91	77.80	21.04	3.12	24.16	260.62	23.93	4.31	28.24	667.25	1
	633334	3500.01	20.83	-1.89	18.94	78.34	21.01	3.12	24.13	258.82	23.93	4.31	28.24	667.14	1
	635332	3529.98	20.86	-1.89	18.97	78.89	21.03	3.12	24.15	260.02	23.96	4.31	28.27	670.97	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
	631000	3465	20.84	-1.89	18.95	78.52	20.98	3.12	24.10	257.04	23.92	4.31	28.23	665.54	1
	633334	3500.01	20.78	-1.89	18.89	77.45	21.05	3.12	24.17	261.22	23.93	4.31	28.24	666.55	1

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Test Report No.: RF260714B017

30M-CP-OFDM QPSK	635666	3534.99	20.89	-1.89	19.00	79.43	20.99	3.12	24.11	257.63	23.95	4.31	28.26	670.12	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-CP-OFDM QPSK	630668	3460.02	20.79	-1.89	18.90	77.62	20.97	3.12	24.09	256.45	23.89	4.31	28.20	661.02	1
	633334	3500.01	20.79	-1.89	18.90	77.62	21.09	3.12	24.21	263.63	23.95	4.31	28.26	670.47	1
	636000	3540	20.81	-1.89	18.92	77.98	21.00	3.12	24.12	258.23	23.92	4.31	28.23	664.85	1

PC2_Part270_n77 (SCS 30kHz)			Ant0				Ant1				Ant0+1				
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-CP-OFDM QPSK	650000	3750	21.01	-1.89	19.12	81.66	20.55	3.12	23.67	232.81	23.76	4.31	28.07	641.30	1
	656000	3840	22.23	-1.89	20.34	108.14	21.29	3.12	24.41	276.06	24.80	4.31	29.11	814.07	1
	662000	3930	22.00	-1.89	20.11	102.57	21.57	3.12	24.69	294.44	24.80	4.31	29.11	814.99	1
100M-CP-OFDM 16QAM	650000	3750	20.22	-1.89	18.33	68.08	19.81	3.12	22.93	196.34	23.03	4.31	27.34	542.13	1
	656000	3840	21.85	-1.89	19.96	99.08	20.72	3.12	23.84	242.10	24.33	4.31	28.64	731.62	1
	662000	3930	21.71	-1.89	19.82	95.94	20.78	3.12	23.90	245.47	24.28	4.31	28.59	722.95	1
100M-CP-OFDM 64QAM	650000	3750	19.16	-1.89	17.27	53.33	19.12	3.12	22.24	167.49	22.15	4.31	26.46	442.72	1
	656000	3840	20.10	-1.89	18.21	66.22	19.26	3.12	22.38	172.98	22.71	4.31	27.02	503.67	1
	662000	3930	19.95	-1.89	18.06	63.97	19.25	3.12	22.37	172.58	22.62	4.31	26.94	493.78	1

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Test Report No.: RF260714B017

100M-CP-	650000	3750	16.53	-1.89	14.64	29.11	16.13	3.12	19.25	84.14	19.34	4.31	23.66	232.05	1
OFDM	656000	3840	17.22	-1.89	15.33	34.12	16.20	3.12	19.32	85.51	19.75	4.31	24.06	254.75	1
256QAM	662000	3930	17.01	-1.89	15.12	32.51	16.16	3.12	19.28	84.72	19.62	4.31	23.93	247.00	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-CP-	649334	3740.01	20.96	-1.89	19.07	80.72	20.28	3.12	23.40	218.78	23.64	4.31	27.95	624.38	1
OFDM	656000	3840	22.08	-1.89	20.19	104.47	21.17	3.12	24.29	268.53	24.66	4.31	28.97	788.86	1
QPSK	662666	3939.99	21.87	-1.89	19.98	99.54	21.49	3.12	24.61	289.07	24.69	4.31	29.01	795.31	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-CP-	648668	3730.02	20.90	-1.89	19.01	79.62	20.24	3.12	23.36	216.77	23.59	4.31	27.90	617.13	1
OFDM	656000	3840	22.19	-1.89	20.30	107.15	21.20	3.12	24.32	270.40	24.73	4.31	29.04	802.48	1
QPSK	663332	3949.98	21.86	-1.89	19.97	99.31	21.49	3.12	24.61	289.07	24.69	4.31	29.00	794.36	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-CP-	648000	3720	20.89	-1.89	19.00	79.43	20.25	3.12	23.37	217.27	23.59	4.31	27.90	617.02	1
OFDM	656000	3840	22.21	-1.89	20.32	107.65	21.22	3.12	24.34	271.64	24.75	4.31	29.06	806.19	1
QPSK	664000	3960	21.95	-1.89	20.06	101.39	21.42	3.12	24.54	284.45	24.70	4.31	29.01	796.95	1
	Channel														

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BW [MHz] Modulation		Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-CP- OFDM QPSK	647668	3715.02	20.89	-1.89	19.00	79.43	20.21	3.12	23.33	215.28	23.57	4.31	27.88	614.40	1
	656000	3840	22.15	-1.89	20.26	106.17	21.14	3.12	24.26	266.69	24.68	4.31	29.00	793.51	1
	664332	3964.98	21.91	-1.89	20.02	100.46	21.50	3.12	24.62	289.73	24.72	4.31	29.03	800.03	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-CP- OFDM QPSK	647334	3710.01	20.88	-1.89	18.99	79.25	20.24	3.12	23.36	216.77	23.58	4.31	27.89	615.60	1
	656000	3840	22.16	-1.89	20.27	106.41	21.25	3.12	24.37	273.53	24.74	4.31	29.05	803.53	1
	664666	3969.99	21.90	-1.89	20.01	100.23	21.54	3.12	24.66	292.42	24.73	4.31	29.04	802.59	1

PC2_Part27Q_n78 (SCS 30kHz)			Ant0				Ant1				Ant0+1				
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
100M-CP- OFDM QPSK	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
	633334	3500.01	20.72	-1.89	18.83	76.38	21.18	1.6	22.78	189.67	23.95	3.21	27.16	519.69	1
	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
100M-CP- OFDM 16QAM	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
	633334	3500.01	20.30	-1.89	18.41	69.34	20.61	1.6	22.21	166.34	23.47	3.21	26.67	465.04	1
	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1

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100M-CP-	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
OFDM	633334	3500.01	18.47	-1.89	16.58	45.50	19.27	1.6	20.87	122.18	21.90	3.21	25.11	324.01	1
64QAM	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
100M-CP-	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
OFDM	633334	3500.01	15.91	-1.89	14.02	25.23	16.27	1.6	17.87	61.24	19.10	3.21	22.31	170.25	1
256QAM	0	0	0.00	-1.89	-1.89	0.65	0.00	1.6	1.60	1.45	0.00	3.21	3.21	2.09	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
90M-CP-	633000	3495	20.62	-1.89	18.73	74.64	20.97	1.6	22.57	180.72	23.81	3.21	27.02	503.00	1
OFDM	633334	3500.01	20.63	-1.89	18.74	74.82	21.07	1.6	22.67	184.93	23.87	3.21	27.07	509.65	1
QPSK	633666	3504.99	20.59	-1.89	18.70	74.13	20.97	1.6	22.57	180.72	23.79	3.21	27.00	501.34	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
80M-CP-	632668	3490.02	20.67	-1.89	18.78	75.51	21.04	1.6	22.64	183.65	23.87	3.21	27.08	510.04	1
OFDM	633334	3500.01	20.59	-1.89	18.70	74.13	20.96	1.6	22.56	180.30	23.79	3.21	27.00	500.73	1
QPSK	634000	3510	20.64	-1.89	18.75	74.99	20.99	1.6	22.59	181.55	23.83	3.21	27.04	505.32	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
	632334	3485.01	20.63	-1.89	18.74	74.82	21.06	1.6	22.66	184.50	23.86	3.21	27.07	509.03	1
	633334	3500.01	20.72	-1.89	18.83	76.38	20.99	1.6	22.59	181.55	23.87	3.21	27.07	509.83	1

BOOMWAVE TEST (SHENZHEN)
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Test Report No.: RF260714B017

70M-CP-OFDM QPSK	634332	3514.98	20.67	-1.89	18.78	75.51	20.95	1.6	22.55	179.89	23.82	3.21	27.03	504.59	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
60M-CP-OFDM QPSK	632000	3480	20.69	-1.89	18.80	75.86	21.07	1.6	22.67	184.93	23.89	3.21	27.10	513.01	1
	633334	3500.01	20.58	-1.89	18.69	73.96	21.03	1.6	22.63	183.23	23.82	3.21	27.03	504.42	1
	634666	3519.99	20.70	-1.89	18.81	76.03	20.94	1.6	22.54	179.47	23.83	3.21	27.04	505.68	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
50M-CP-OFDM QPSK	631668	3475.02	20.58	-1.89	18.69	73.96	21.06	1.6	22.66	184.50	23.84	3.21	27.04	506.26	1
	633334	3500.01	20.60	-1.89	18.71	74.30	21.01	1.6	22.61	182.39	23.82	3.21	27.03	504.31	1
	635000	3525	20.69	-1.89	18.80	75.86	21.02	1.6	22.62	182.81	23.87	3.21	27.08	509.95	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
40M-CP-OFDM QPSK	631334	3470.01	20.68	-1.89	18.79	75.68	21.06	1.6	22.66	184.50	23.88	3.21	27.09	511.83	1
	633334	3500.01	20.69	-1.89	18.80	75.86	20.99	1.6	22.59	181.55	23.85	3.21	27.06	508.13	1
	635332	3529.98	20.61	-1.89	18.72	74.47	20.95	1.6	22.55	179.89	23.79	3.21	27.00	501.24	1
	Channel														

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Test Report No.: RF260714B017

BW [MHz] Modulation		Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
30M-CP- OFDM QPSK	631000	3465	20.58	-1.89	18.69	73.96	20.96	1.6	22.56	180.30	23.78	3.21	26.99	500.18	1
	633334	3500.01	20.58	-1.89	18.69	73.96	21.04	1.6	22.64	183.65	23.83	3.21	27.03	505.03	1
	635666	3534.99	20.65	-1.89	18.76	75.16	21.03	1.6	22.63	183.23	23.85	3.21	27.06	508.31	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-CP- OFDM QPSK	630668	3460.02	20.63	-1.89	18.74	74.82	21.01	1.6	22.61	182.39	23.83	3.21	27.04	505.97	1
	633334	3500.01	20.72	-1.89	18.83	76.38	21.03	1.6	22.63	183.23	23.89	3.21	27.09	512.26	1
	636000	3540	20.67	-1.89	18.78	75.51	21.06	1.6	22.66	184.50	23.88	3.21	27.09	511.27	1

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

3.2. FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

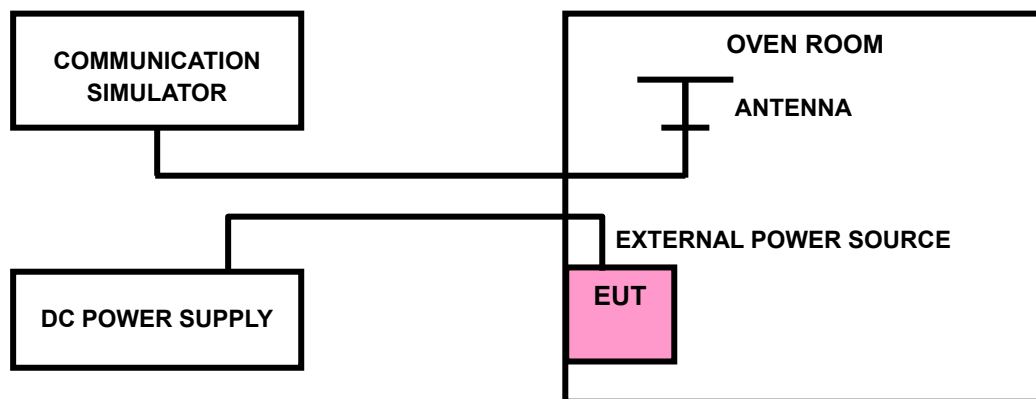
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

3.2.2 TEST PROCEDURE

- 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.
- 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.
- 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





Test Report No.: RF260714B017

3.2.4 TEST RESULTS

Please Refer to Appendix A report Of this project.

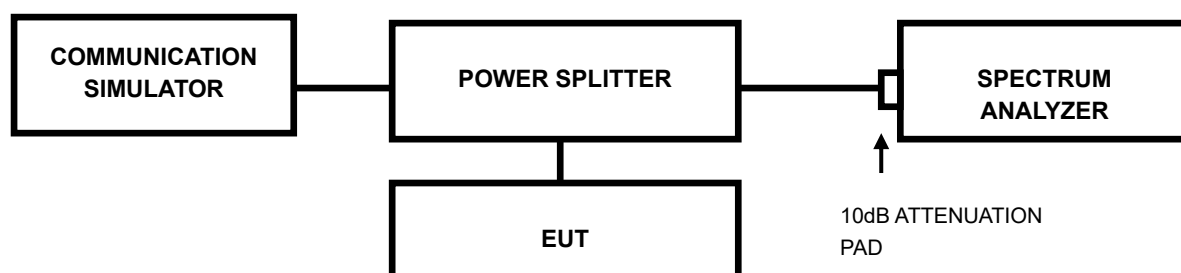
Note: VL = Low voltage(3.4V); VN/NV = Normal voltage(3.7V); VH = High voltage(4.2V);
NT = Normal temperature (25°C)

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

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



Test Report No.: RF260714B017

3.3.4 TEST RESULTS

Please Refer to Appendix A report Of this project.

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)

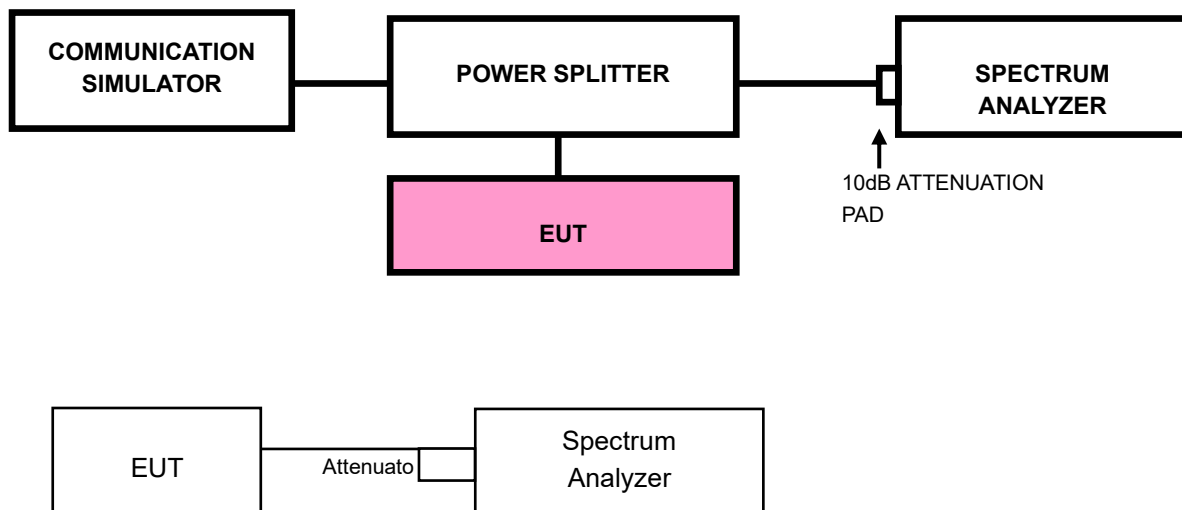
According to FCC 27.53(l)(2) specified that For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing 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

Test Report No.: RF260714B017

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.



Test Report No.: RF260714B017

3.4.4 TEST RESULTS

Please Refer to Appendix A report Of this project.

3.5. CONDUCTED SPURIOUS EMISSIONS

3.4.5 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.

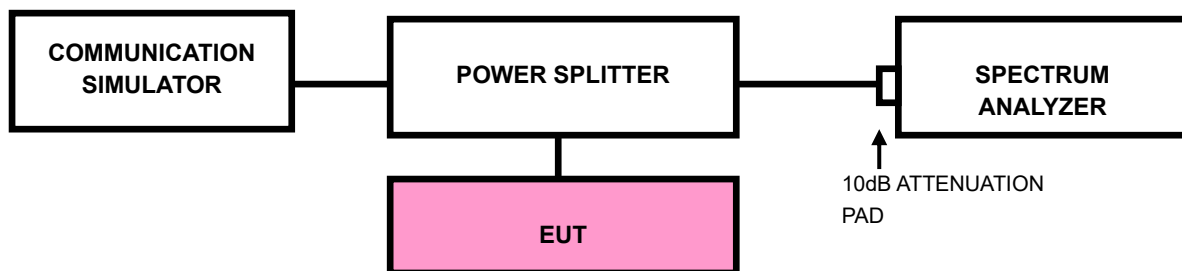
For 5G NR n41:

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.

3.4.6 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.

3.4.7 TEST SETUP





Test Report No.: RF260714B017

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 A report Of this project.

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. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi}$.

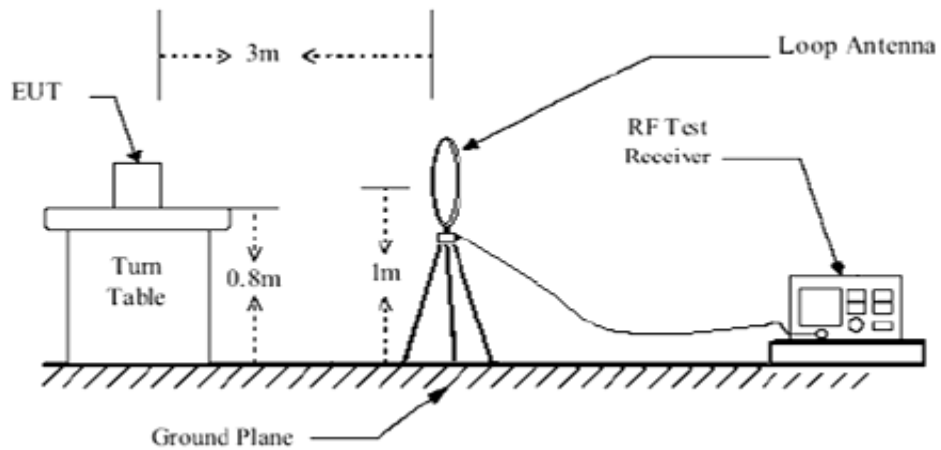
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

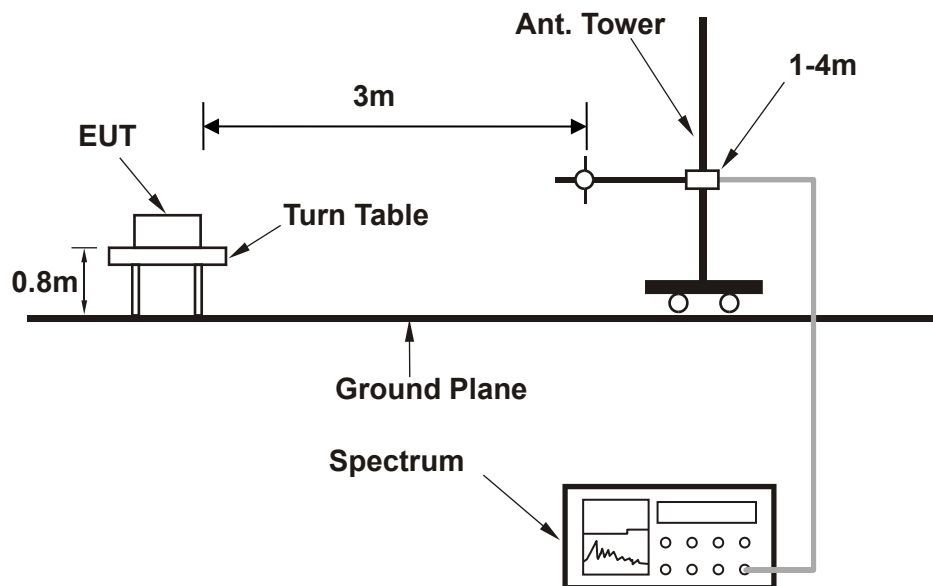
No deviation

3.6.4 TEST SETUP

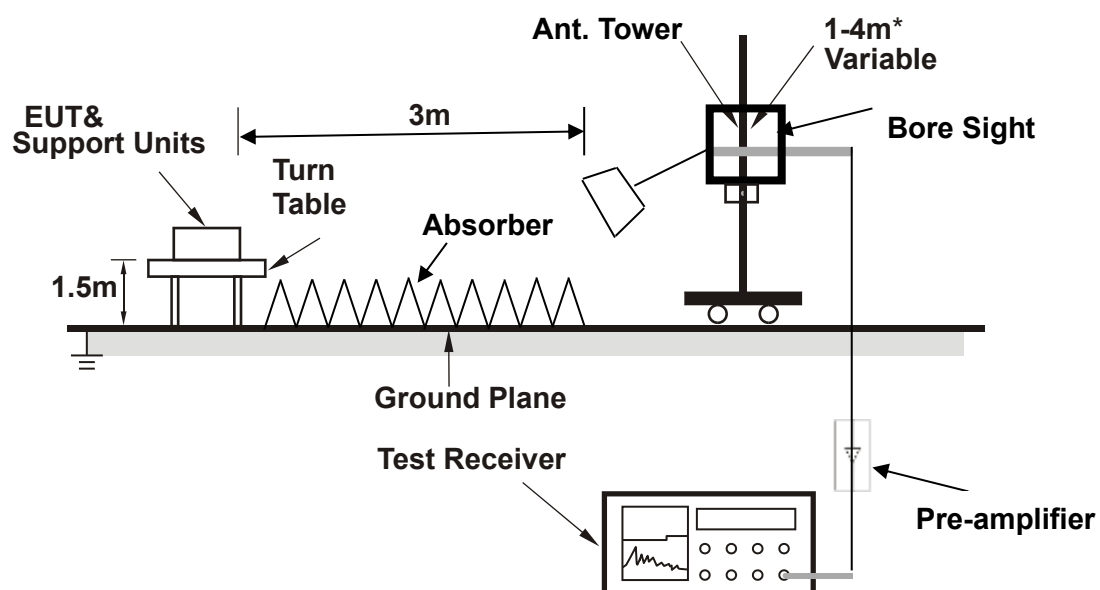
< Frequency Range below 30MHz >



< 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

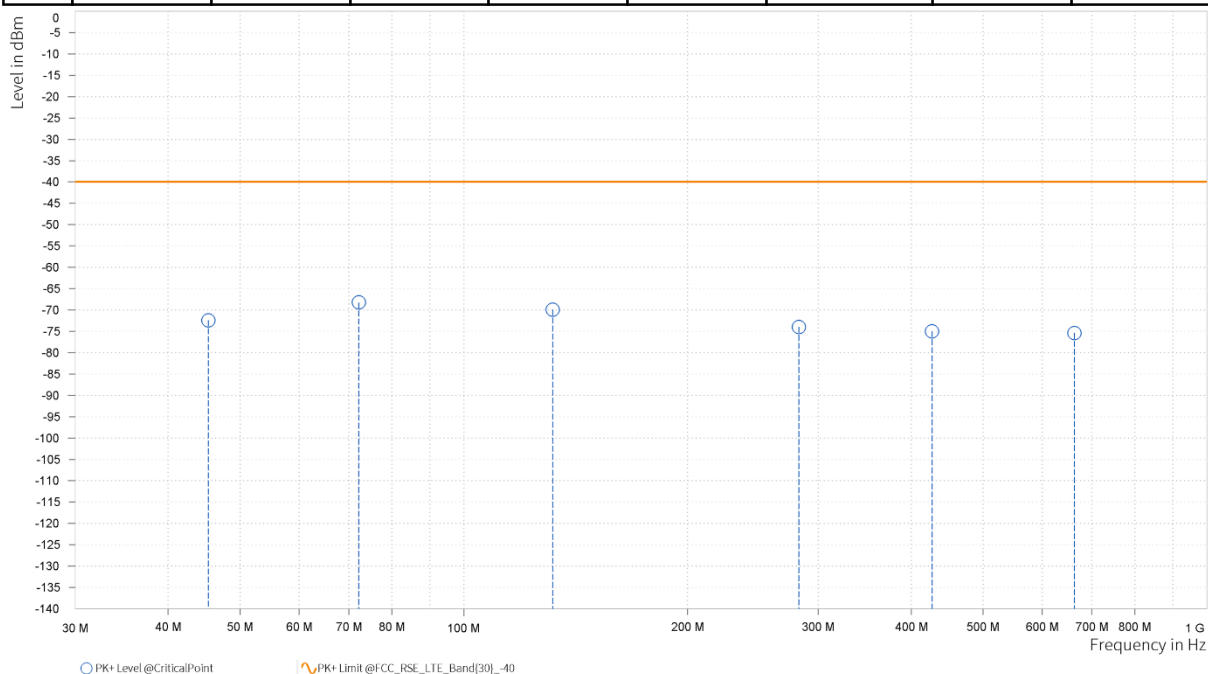
30 MHz – 1GHz data:

N30

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 462000	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

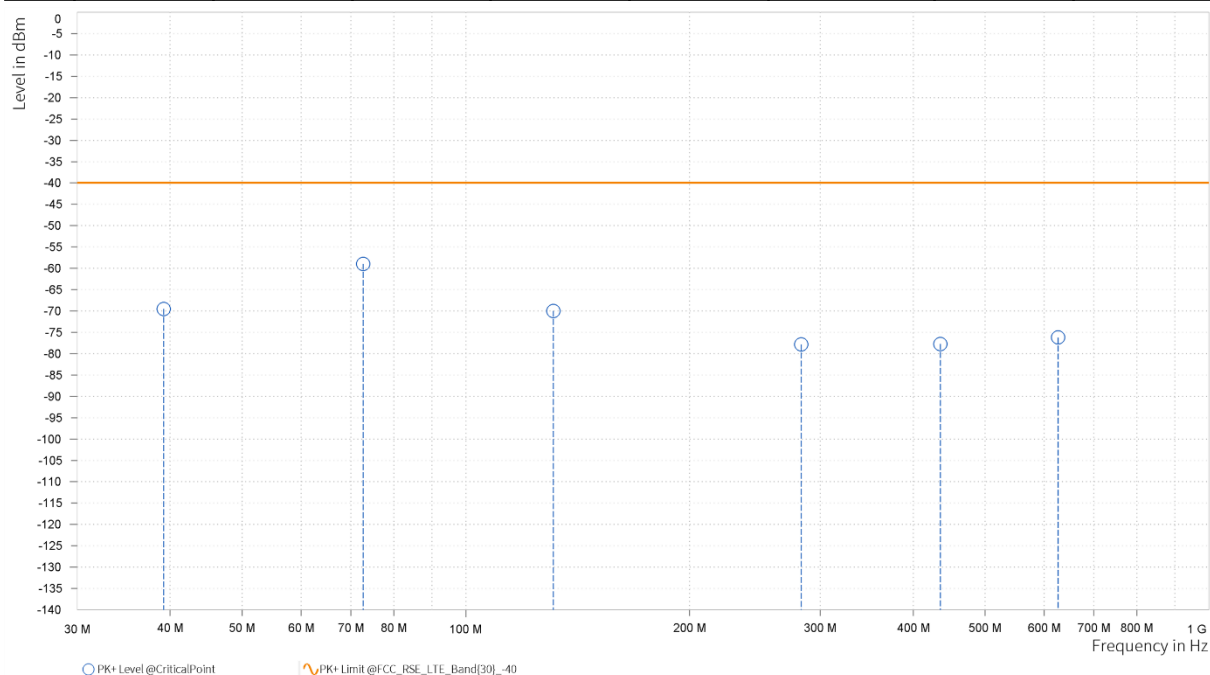
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	45.300	-72.42	-40.00	32.42	-1.57	H	320.7	1.00
1	72.250	-68.21	-40.00	28.21	-10.47	H	130.1	2.00
1	131.750	-69.90	-40.00	29.90	-13.40	H	260.4	2.00
1	282.500	-73.97	-40.00	33.97	-1.71	H	257.4	1.00
1	426.750	-74.97	-40.00	34.97	1.92	H	225.1	1.00
2	663.629	-75.37	-40.00	35.37	1.74	H	359	2.00



Test Report No.: RF260714B017

MODE	TX channel 462000	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		
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	39.200	-69.50	-40.00	29.50	-9.20	V	189.3	1.00
1	72.750	-58.96	-40.00	18.96	-8.86	V	355.8	2.00
1	131.200	-69.98	-40.00	29.98	-8.78	V	1.4	2.00
1	282.850	-77.82	-40.00	37.82	-1.27	V	292.6	2.00
1	434.950	-77.71	-40.00	37.71	1.27	V	1	1.00
2	626.779	-76.18	-40.00	36.18	-0.83	V	1	1.00



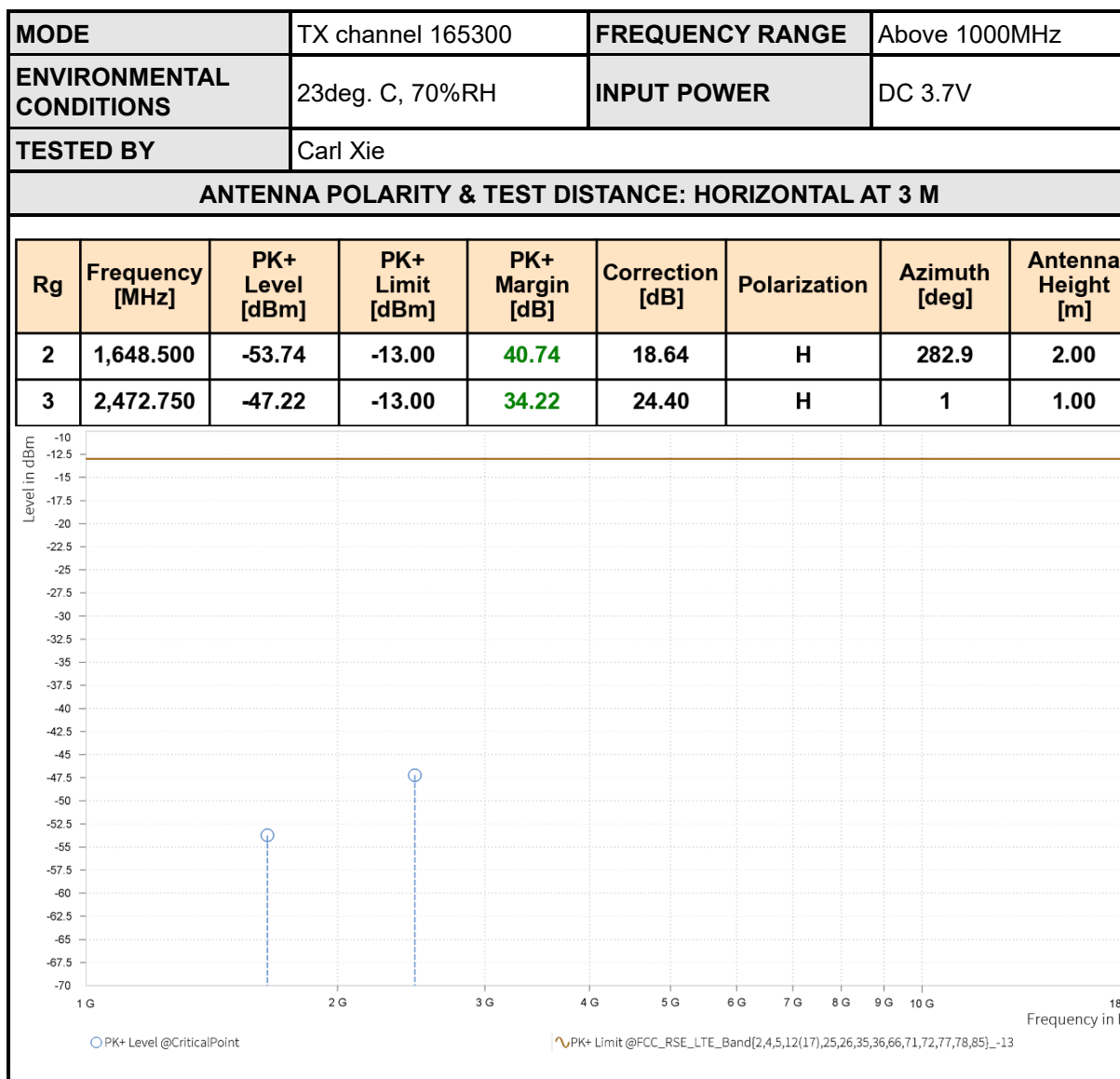
Test Report No.: RF260714B017

ABOVE 1GHz

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

N5-ANT0

CHANNEL BANDWIDTH: 5MHz / QPSK

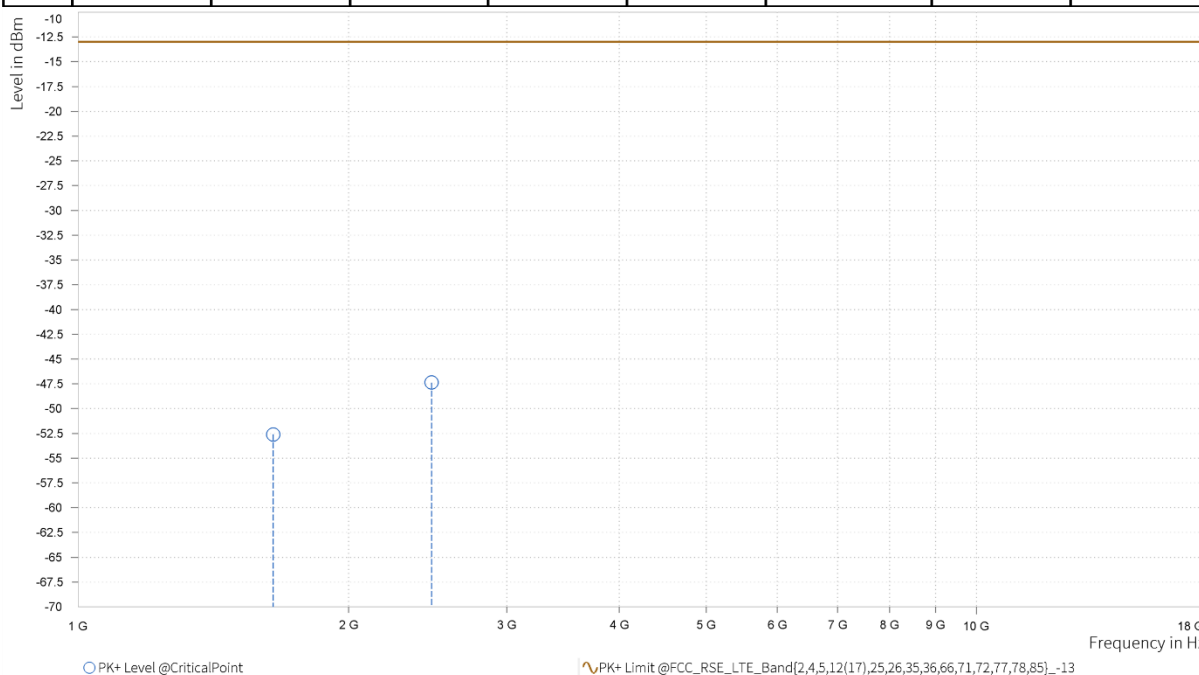


Test Report No.: RF260714B017

MODE	TX channel 165300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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]
2	1,648.500	-52.61	-13.00	39.61	18.11	V	359	2.00
3	2,472.750	-47.36	-13.00	34.36	24.10	V	199.2	2.00



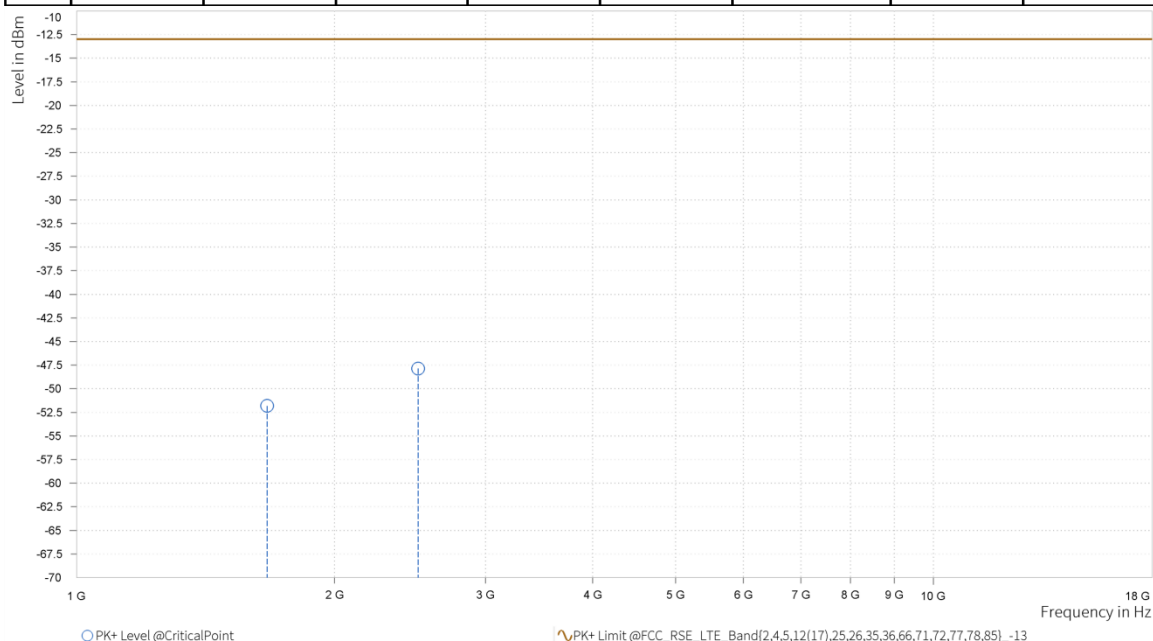
Test Report No.: RF260714B017

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 167300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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]
2	1,668.500	-51.82	-13.00	38.82	19.71	H	358.6	1.00
3	2,502.750	-47.86	-13.00	34.86	23.84	H	359	1.00

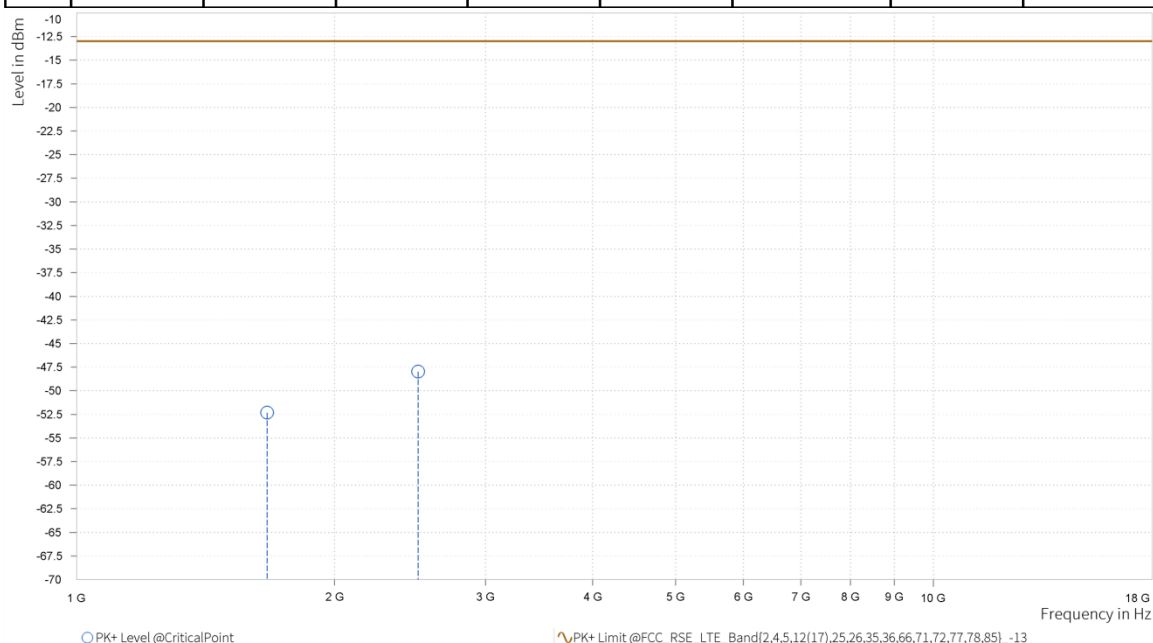


Test Report No.: RF260714B017

MODE	TX channel 167300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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]
2	1,668.500	-52.33	-13.00	39.33	19.44	V	74.8	1.00
3	2,502.750	-47.97	-13.00	34.97	23.48	V	0.9	2.00



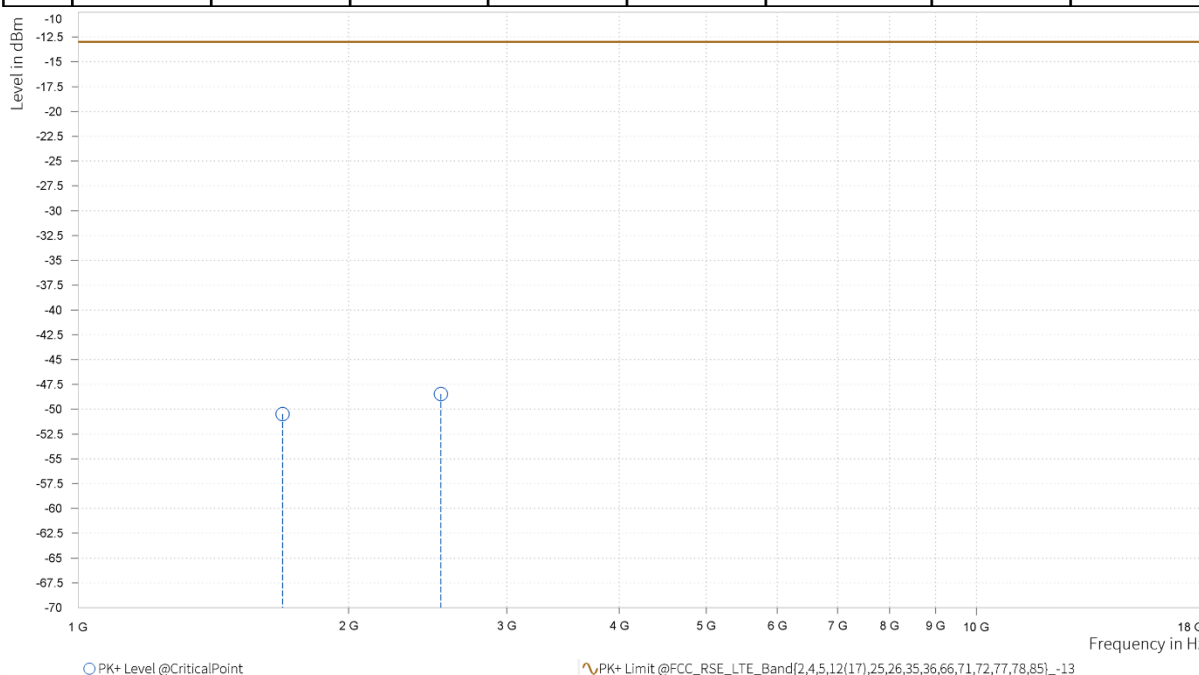
Test Report No.: RF260714B017

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 169300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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]
2	1,688.500	-50.49	-13.00	37.49	20.30	H	1	2.00
3	2,532.750	-48.46	-13.00	35.46	23.58	H	1	1.00

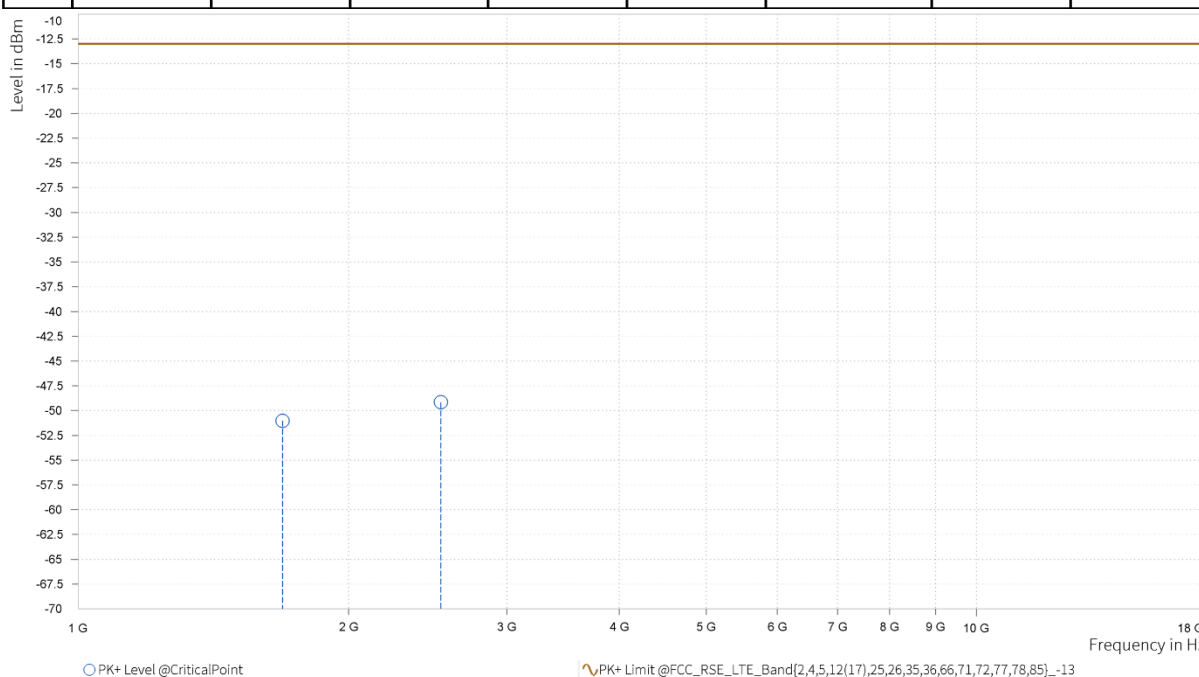


Test Report No.: RF260714B017

MODE	TX channel 169300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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]
2	1,688.500	-51.02	-13.00	38.02	20.36	V	1	1.00
3	2,532.750	-49.15	-13.00	36.15	23.33	V	1	1.00





Test Report No.: RF260714B017

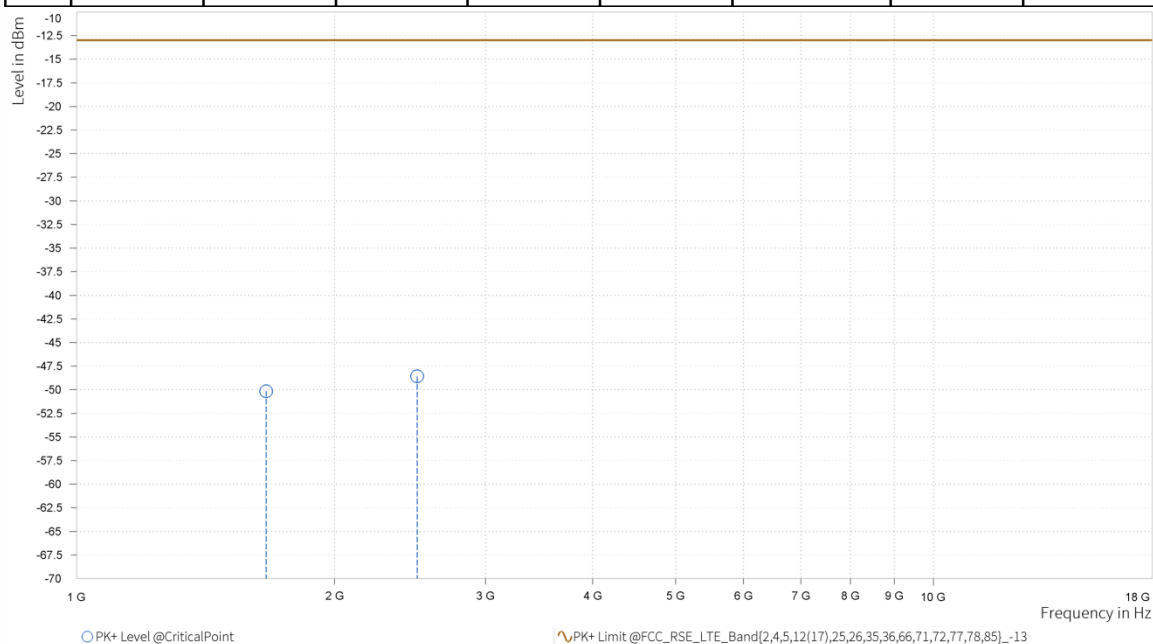
CHANNEL BANDWIDTH: 10MHz / QPSK

CH 165800

MODE	TX channel 167300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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]
2	1,664.000	-50.16	-13.00	37.16	19.52	H	1	1.00
3	2,496.000	-48.58	-13.00	35.58	23.86	H	142.9	1.00



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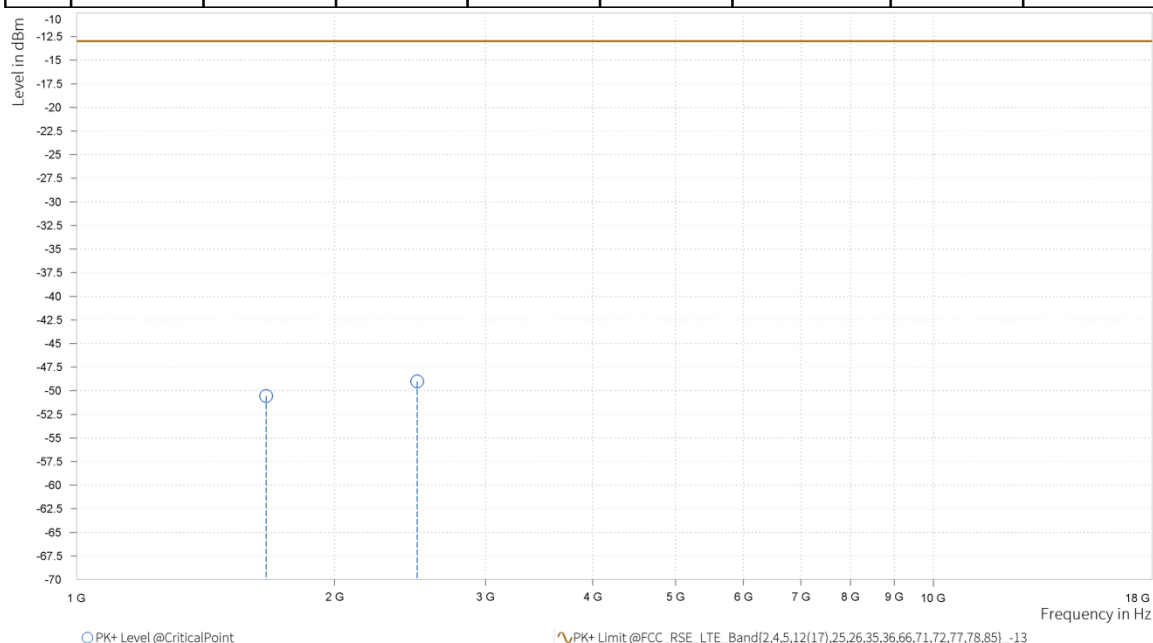
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

Test Report No.: RF260714B017

MODE	TX channel 167300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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]
2	1,664.000	-50.56	-13.00	37.56	19.18	V	0.9	2.00
3	2,496.000	-49.01	-13.00	36.01	23.47	V	217	2.00

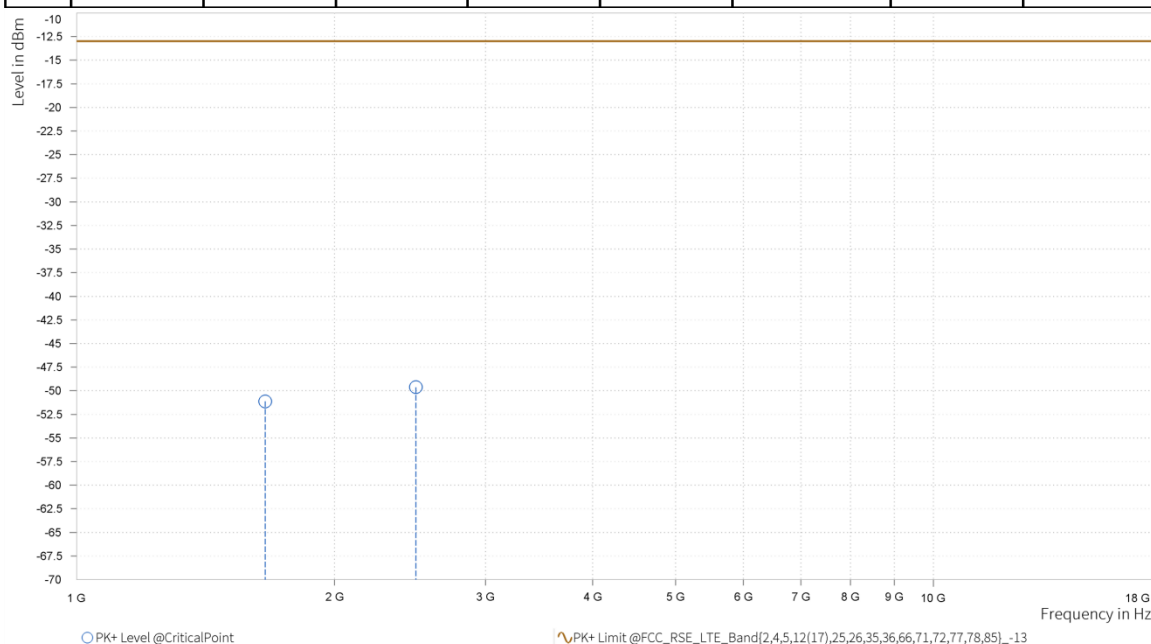


Test Report No.: RF260714B017

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 167300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		
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]
2	1,659.500	-51.13	-13.00	38.13	19.33	H	359.1	1.00
3	2,489.250	-49.63	-13.00	36.63	23.92	H	143	1.00

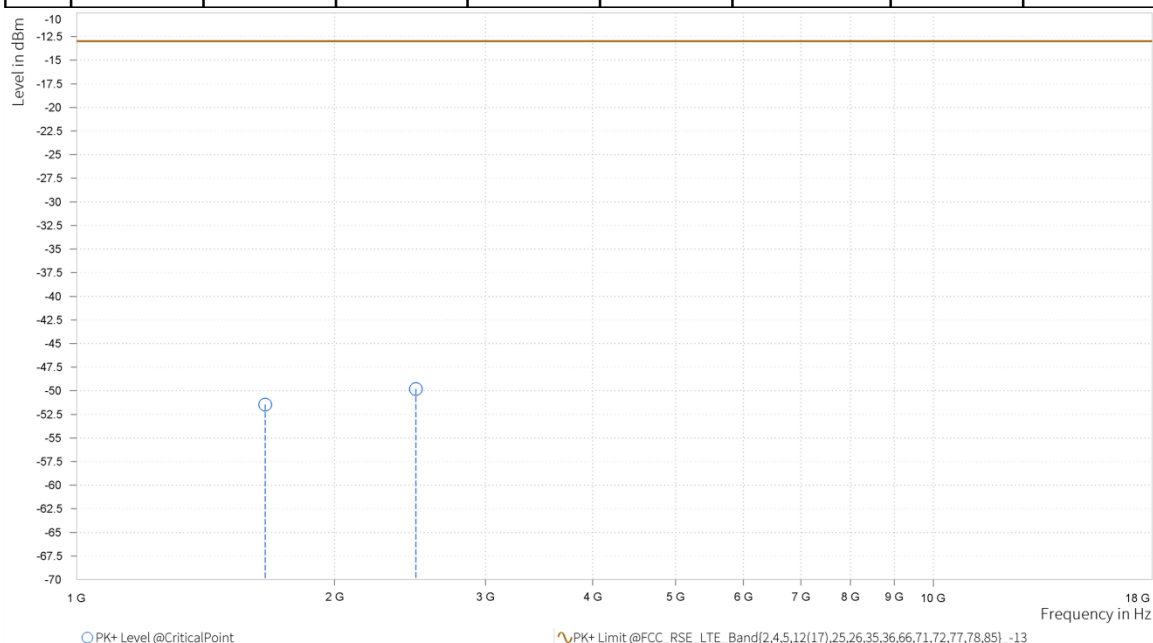


Test Report No.: RF260714B017

MODE	TX channel 167300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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]
2	1,659.500	-51.47	-13.00	38.47	18.91	V	359	1.00
3	2,489.250	-49.81	-13.00	36.81	23.55	V	197.9	2.00



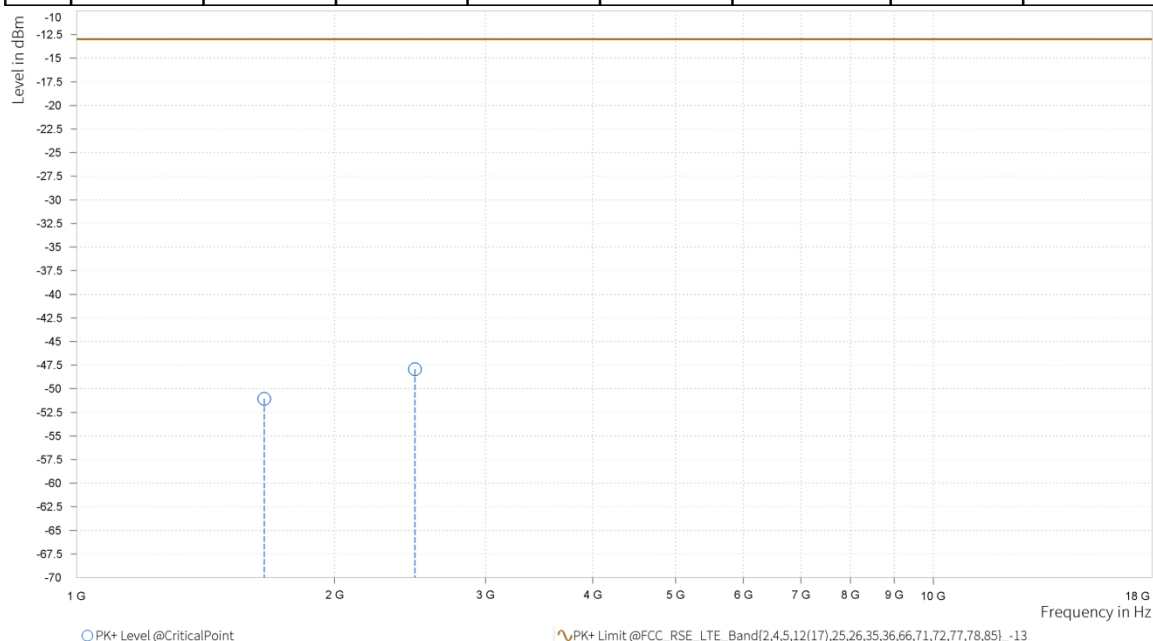
Test Report No.: RF260714B017

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 167300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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]
2	1,655.000	-51.06	-13.00	38.06	19.02	H	1	2.00
3	2,482.500	-47.92	-13.00	34.92	24.23	H	359	2.00

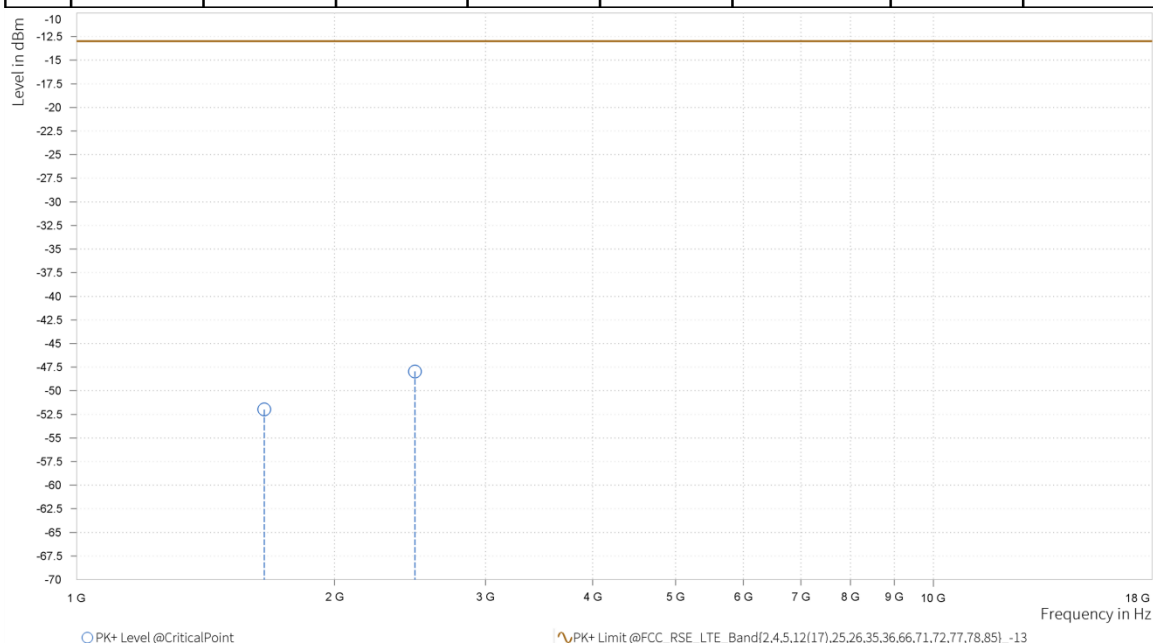


Test Report No.: RF260714B017

MODE	TX channel 167300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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]
2	1,655.000	-51.98	-13.00	38.98	18.54	V	131	1.00
3	2,482.500	-47.96	-13.00	34.96	23.89	V	206.3	2.00



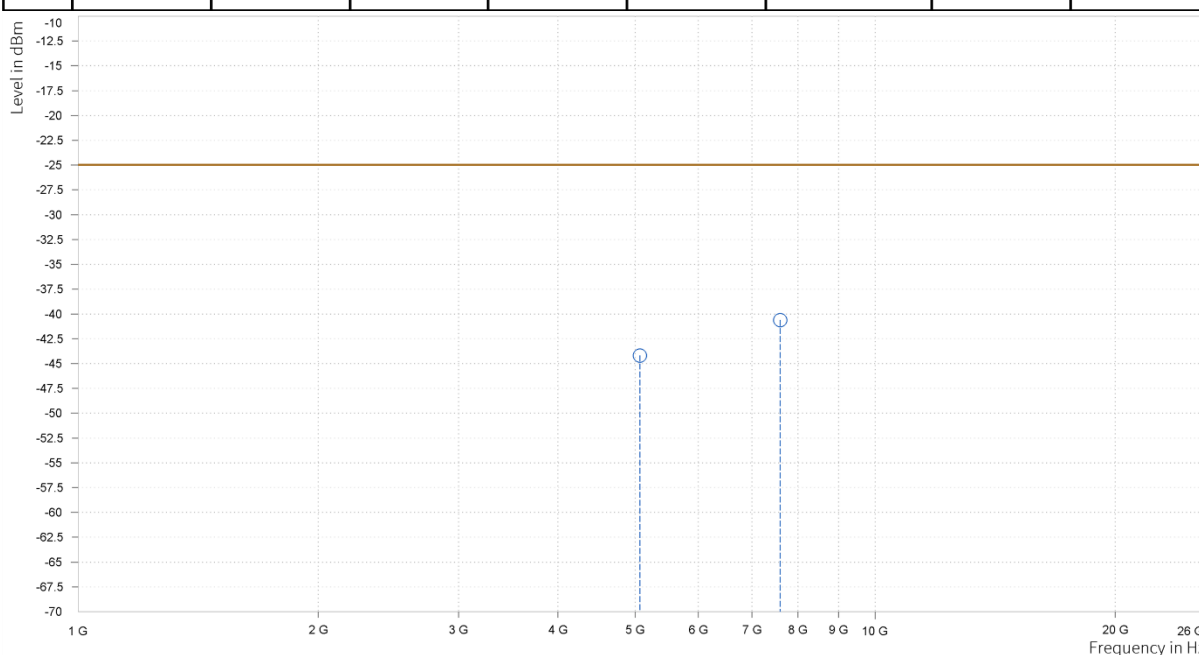
N7-ANT0

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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	5,065.500	-44.18	-25.00	19.18	31.05	H	359	1.00
4	7,598.250	-40.61	-25.00	15.61	35.92	H	1	1.00

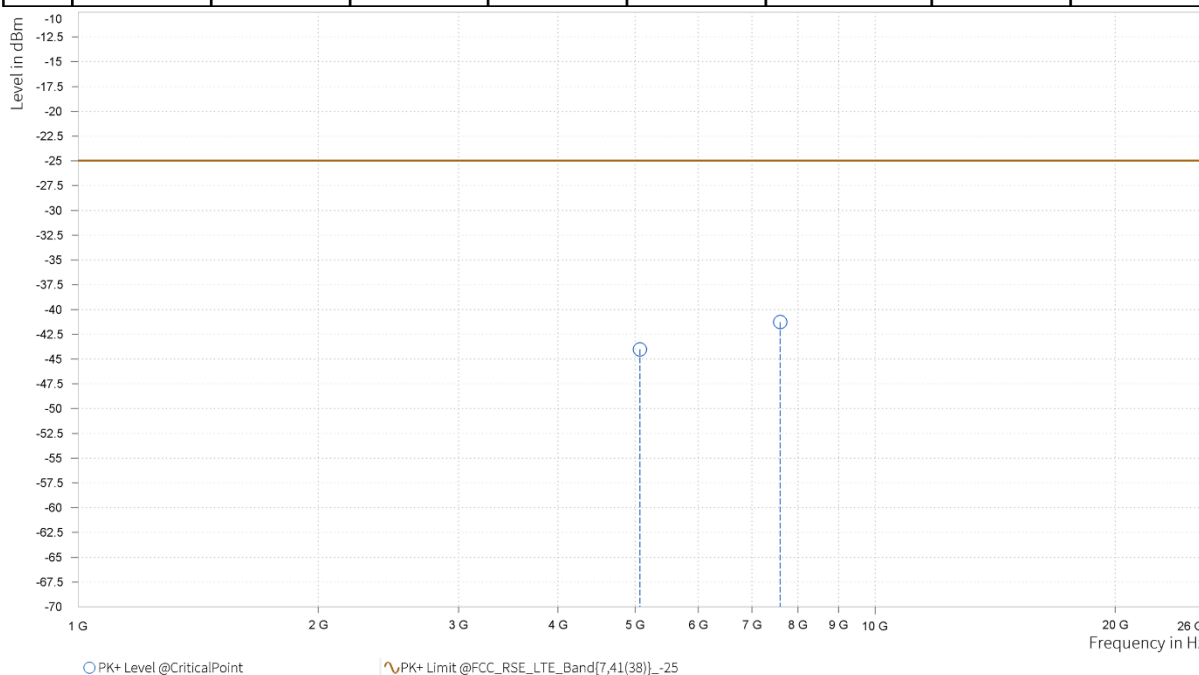


Test Report No.: RF260714B017

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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	5,065.500	-44.02	-25.00	19.02	30.82	V	359	2.00
4	7,598.250	-41.27	-25.00	16.27	35.94	V	96.4	2.00

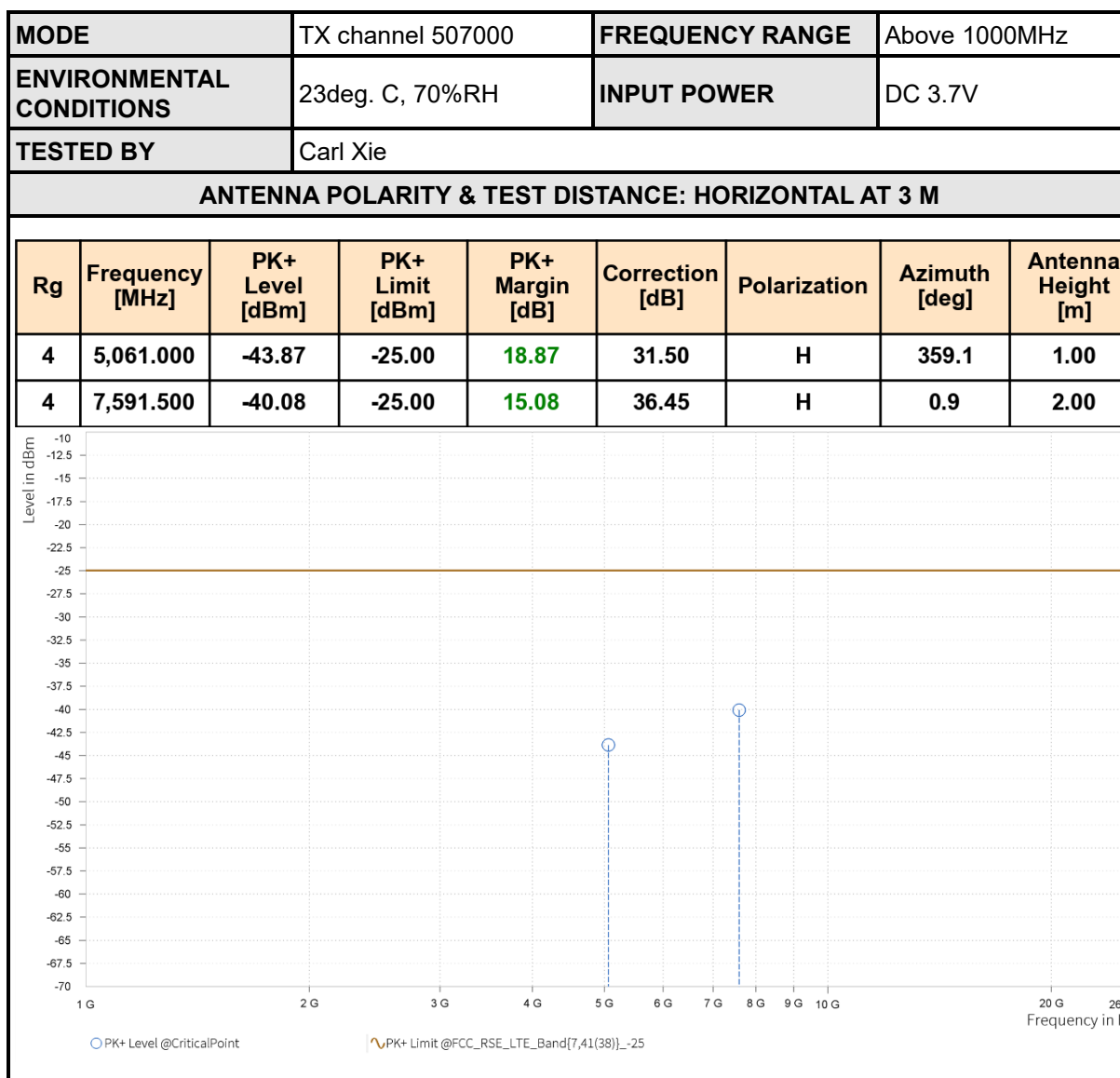




Test Report No.: RF260714B017

CHANNEL BANDWIDTH: 10MHz / QPSK

CH 507000:



BOOMWAVE TEST (SHENZHEN)
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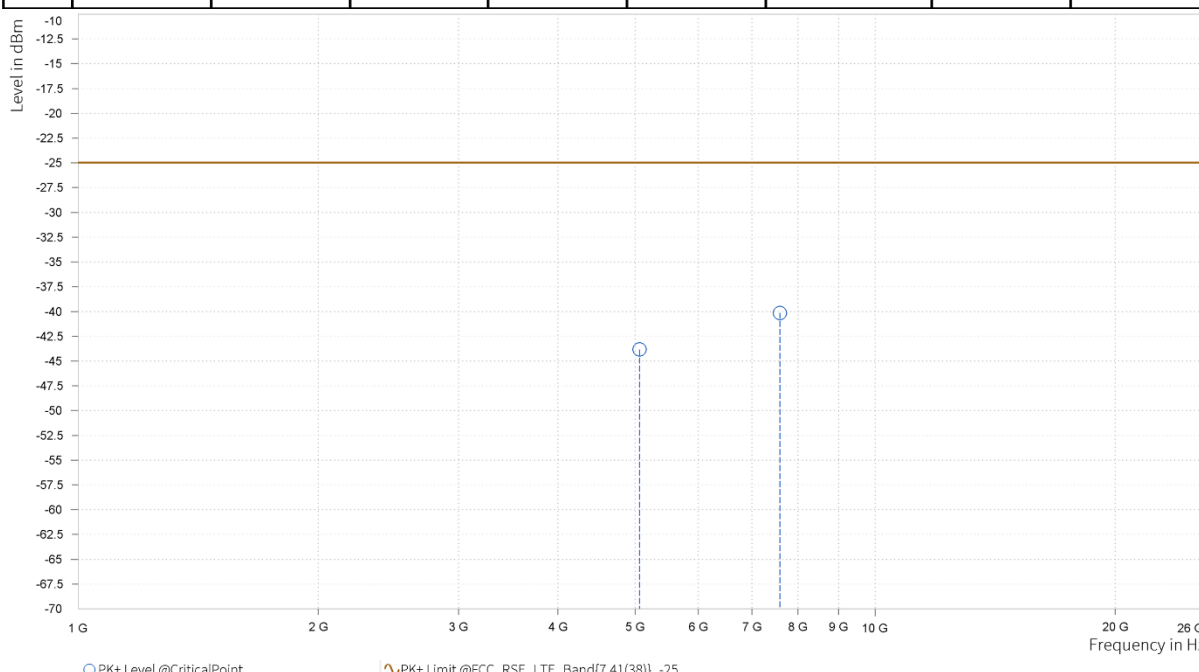
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

Test Report No.: RF260714B017

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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	5,061.000	-43.84	-25.00	18.84	31.27	V	1	2.00
4	7,591.500	-40.14	-25.00	15.14	36.48	V	1	2.00



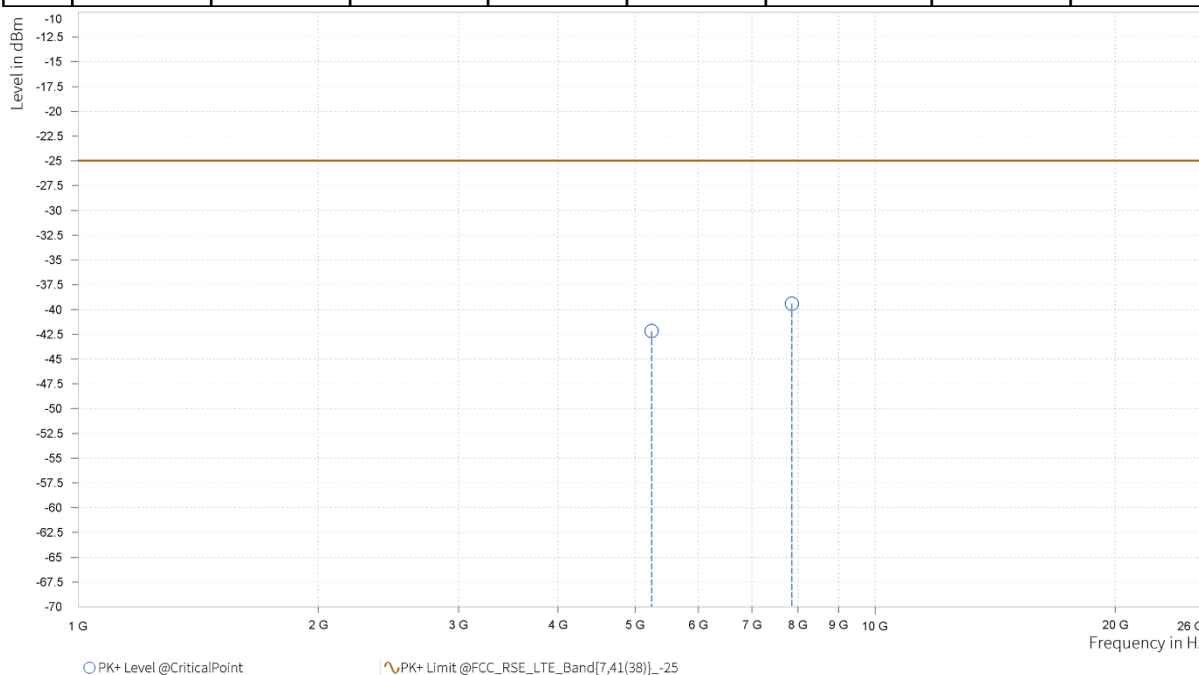
Test Report No.: RF260714B017

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 501500	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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	5,241.500	-42.18	-25.00	17.18	32.08	H	359	2.00
4	7,862.250	-39.41	-25.00	14.41	37.12	H	1	1.00

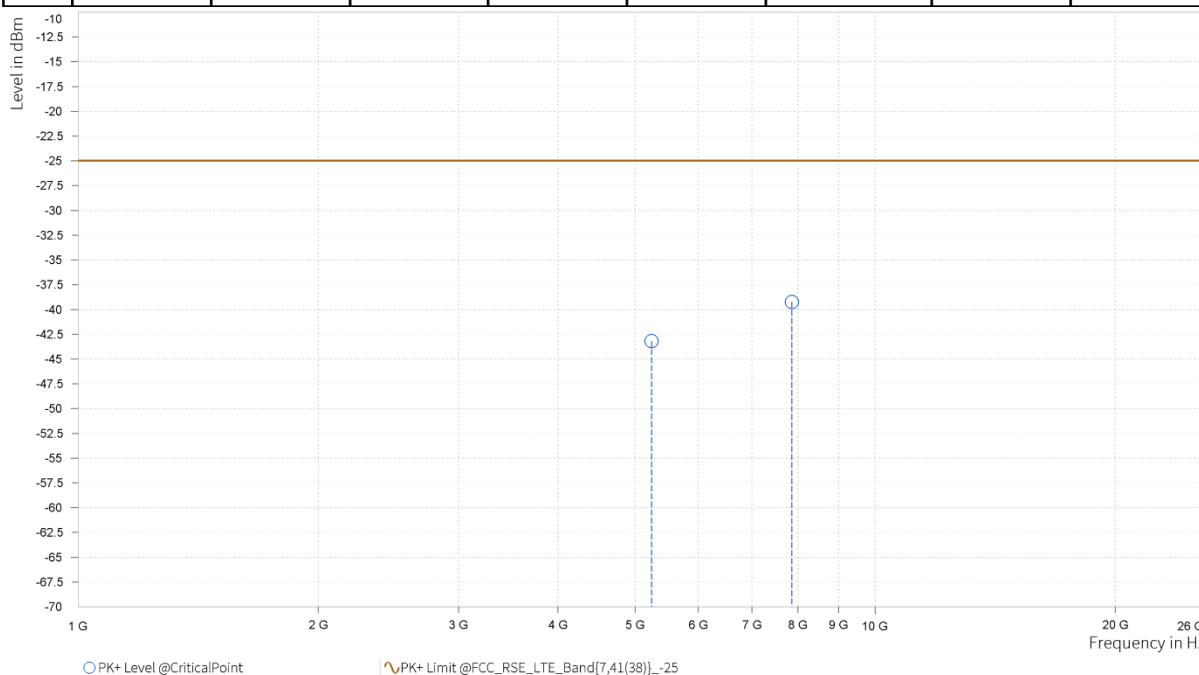


Test Report No.: RF260714B017

MODE	TX channel 501500	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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	5,241.500	-43.19	-25.00	18.19	32.03	V	359	1.00
4	7,862.250	-39.23	-25.00	14.23	37.23	V	1	1.00



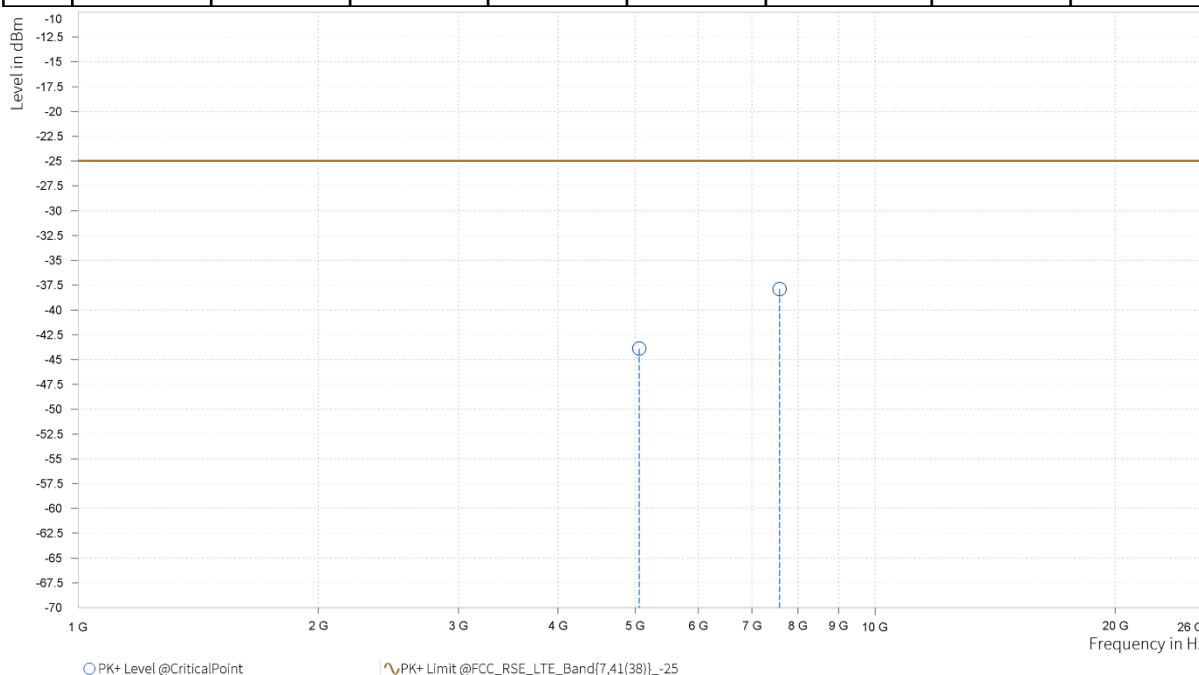
Test Report No.: RF260714B017

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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	5,056.500	-43.90	-25.00	18.90	31.91	H	1	1.00
4	7,584.750	-37.90	-25.00	12.90	36.76	H	0.9	2.00

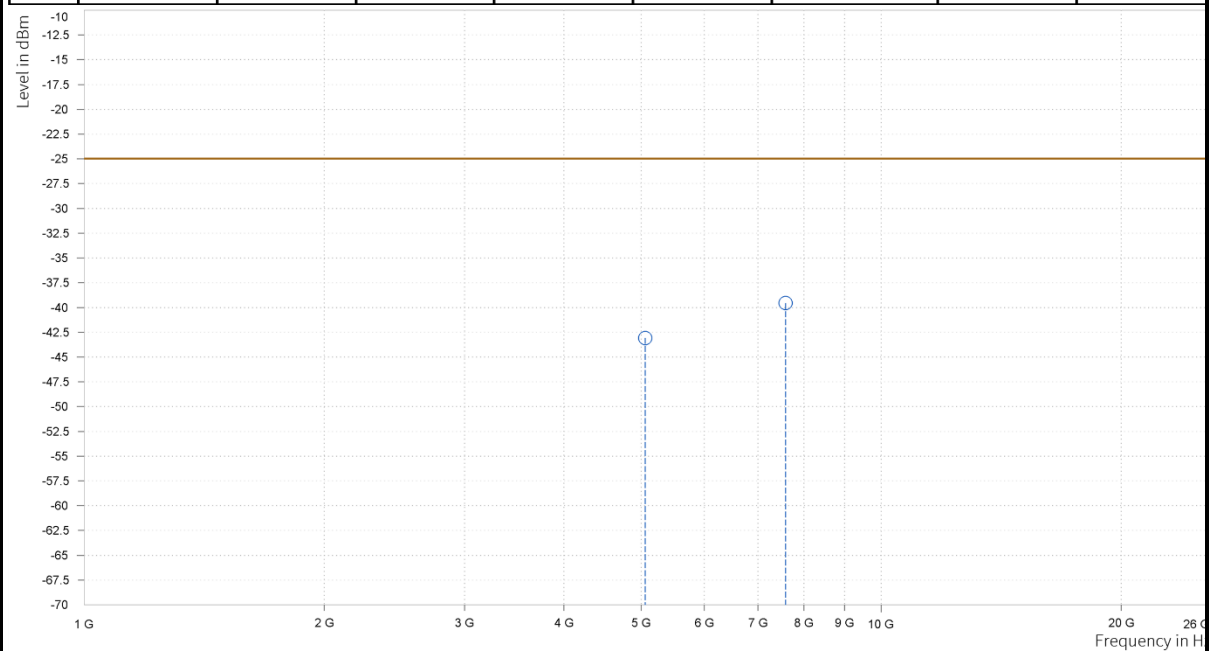


Test Report No.: RF260714B017

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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	5,056.500	-43.07	-25.00	18.07	31.69	V	71.2	2.00
4	7,584.750	-39.55	-25.00	14.55	36.80	V	1	1.00



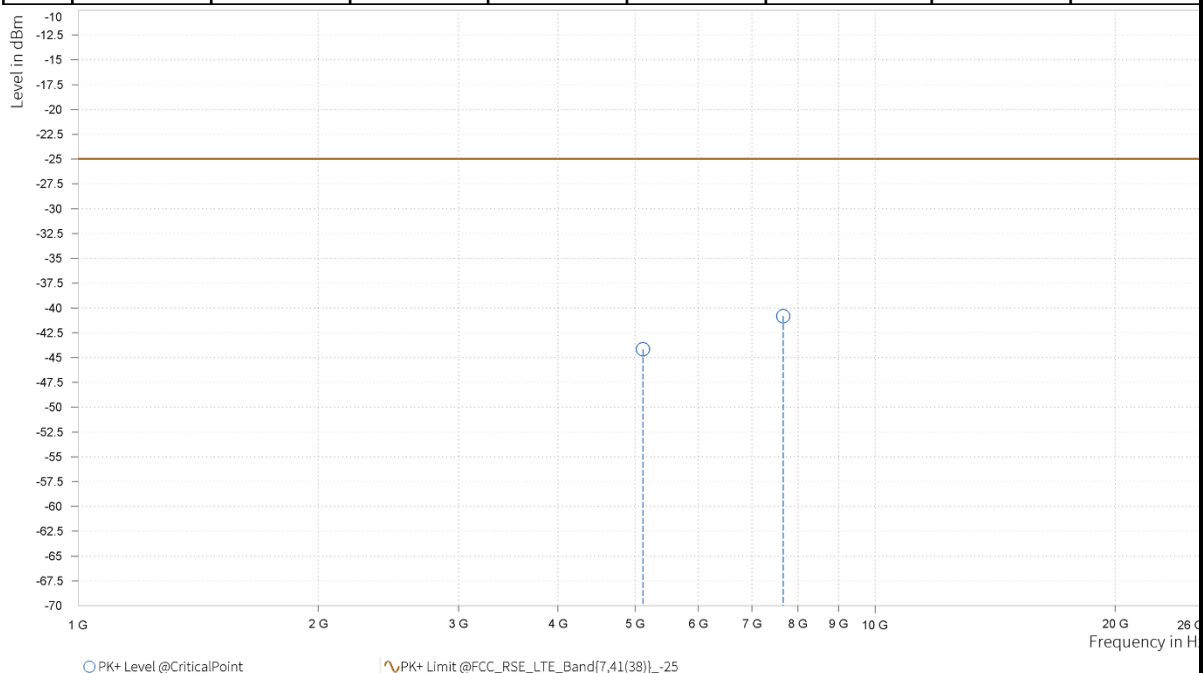
Test Report No.: RF260714B017

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 512500	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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	5,111.500	-44.16	-25.00	19.16	31.39	H	359	2.00
4	7,667.250	-40.81	-25.00	15.81	36.24	H	359	2.00

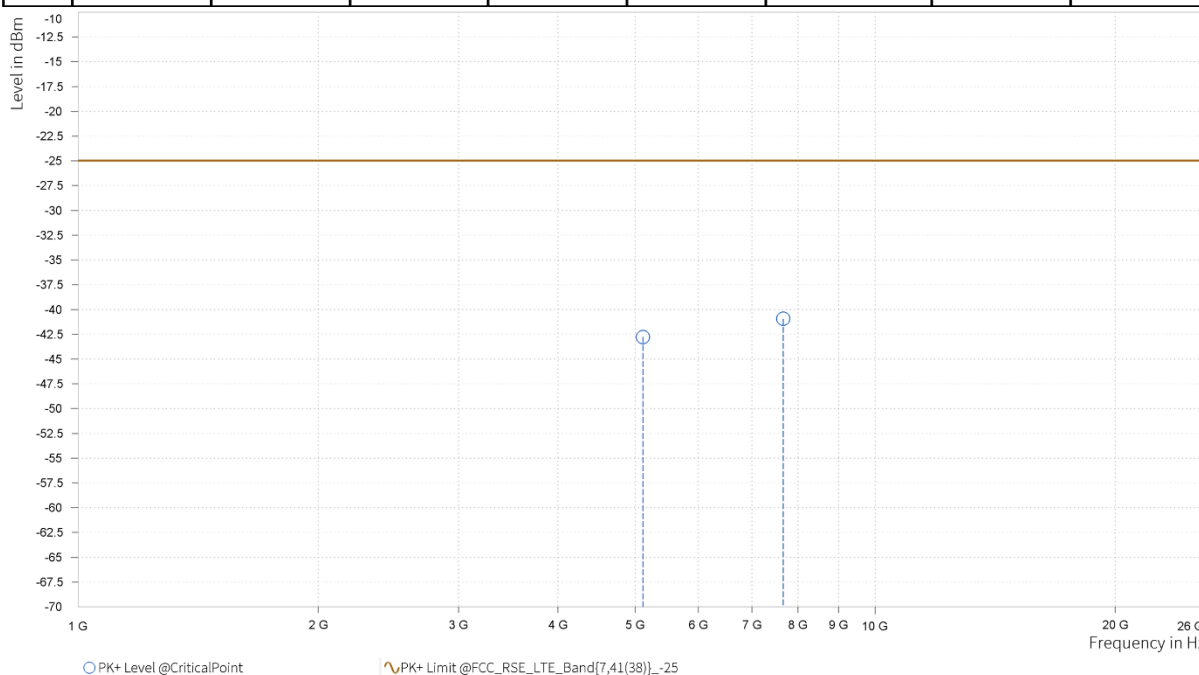


Test Report No.: RF260714B017

MODE	TX channel 512500	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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	5,111.500	-42.78	-25.00	17.78	31.23	V	257.7	1.00
4	7,667.250	-40.94	-25.00	15.94	36.19	V	359	2.00



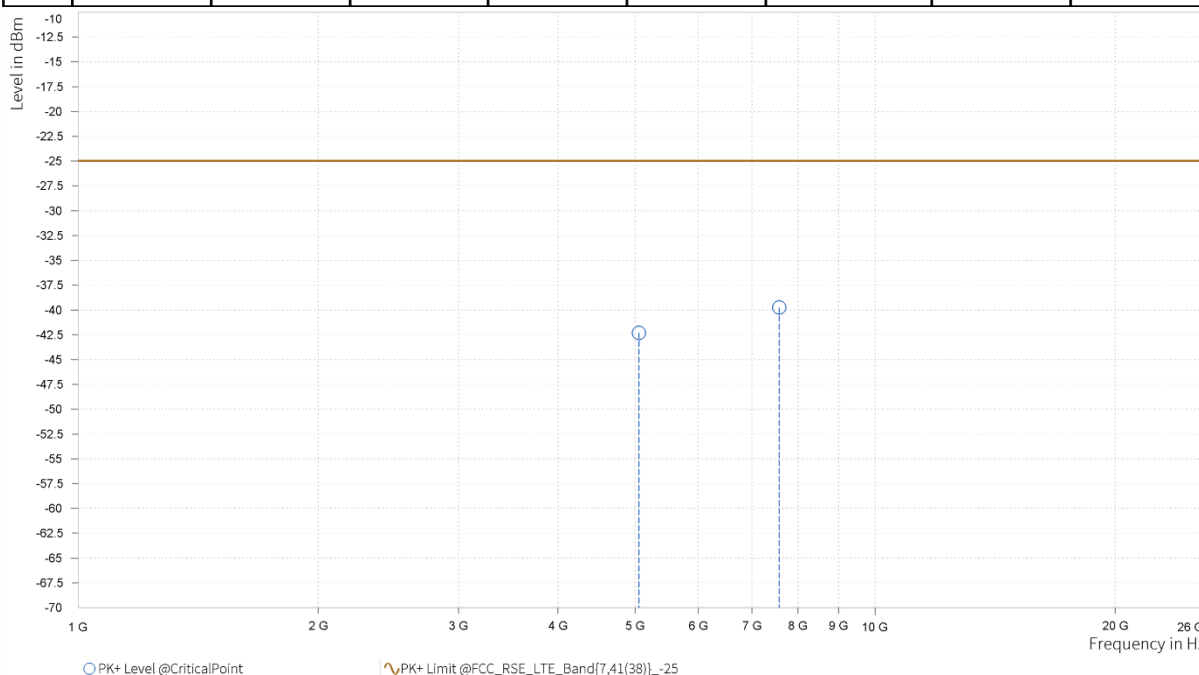
Test Report No.: RF260714B017

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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	5,052.000	-42.30	-25.00	17.30	32.31	H	359	1.00
4	7,578.000	-39.76	-25.00	14.76	36.69	H	359	1.00

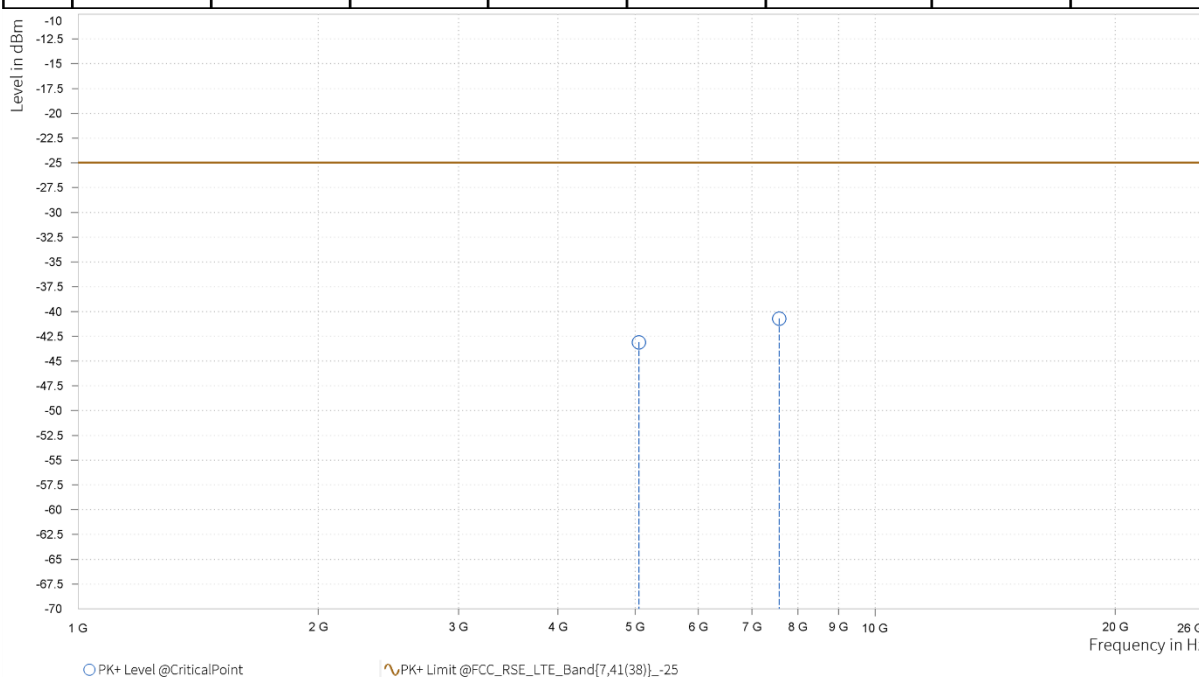


Test Report No.: RF260714B017

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

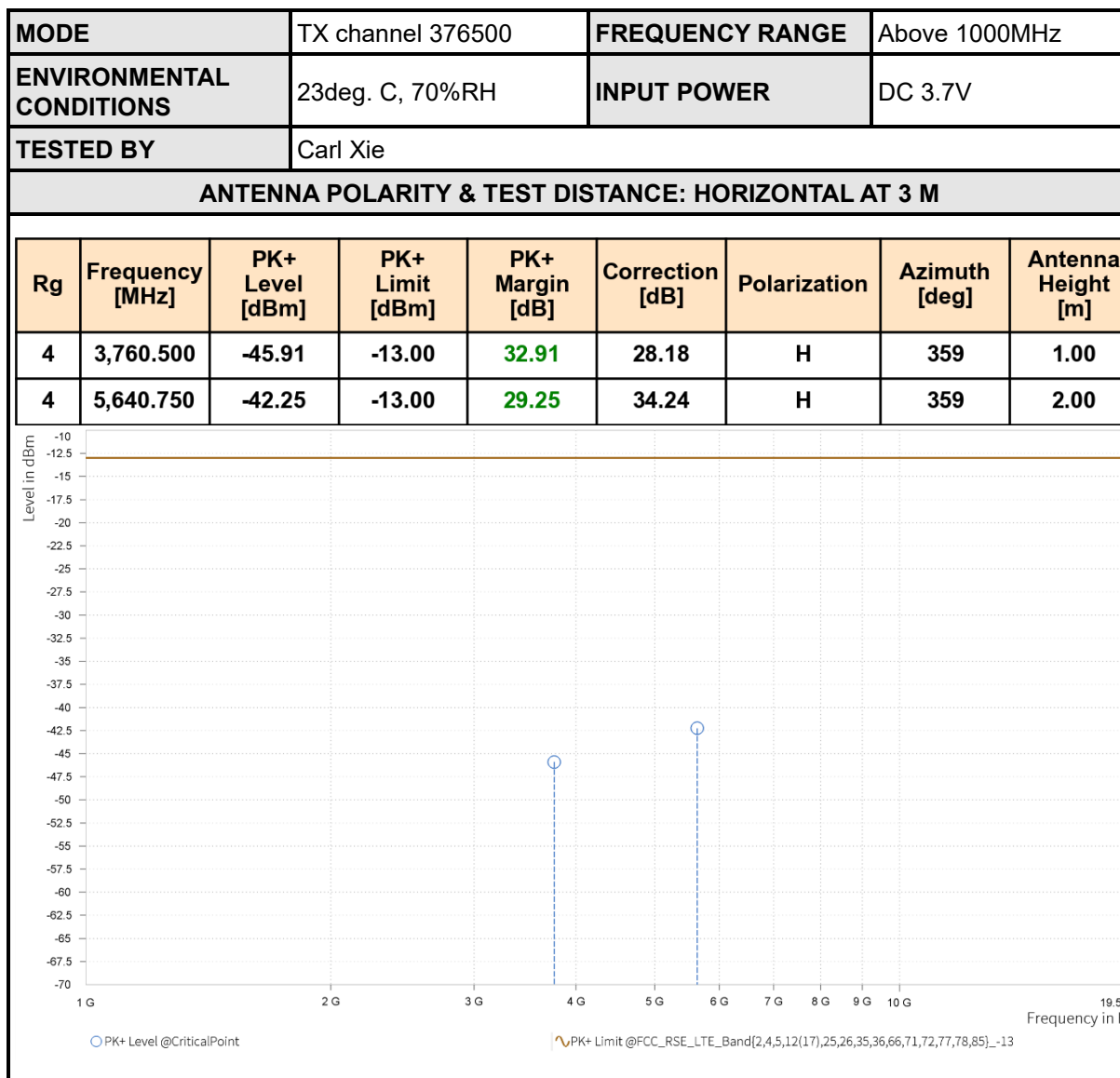
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,052.000	-43.10	-25.00	18.10	32.10	V	256.5	1.00
4	7,578.000	-40.71	-25.00	15.71	36.74	V	0.9	2.00



Test Report No.: RF260714B017

N25-ANT0

CHANNEL BANDWIDTH: 5MHz / QPSK

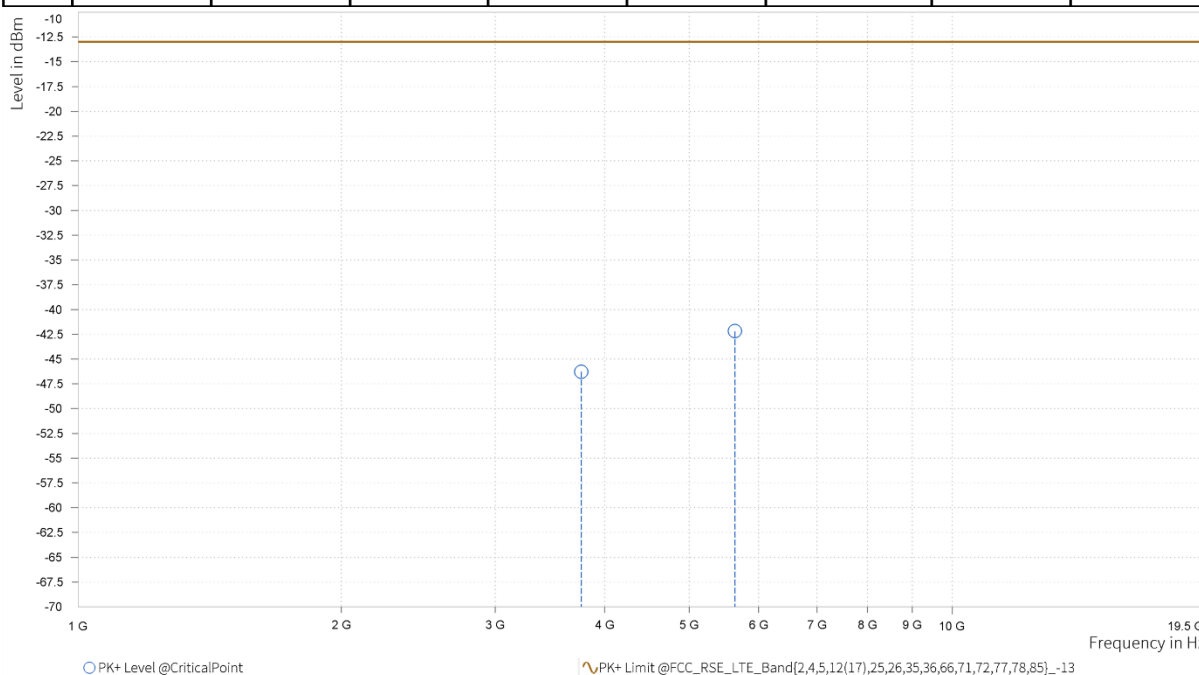


Test Report No.: RF260714B017

MODE	TX channel 376500	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 3.7V
TESTED BY	Carl Xie		

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	3,760.500	-46.28	-13.00	33.28	27.87	V	359.1	1.00
4	5,640.750	-42.19	-13.00	29.19	33.98	V	1	1.00



Test Report No.: RF260714B017

CHANNEL BANDWIDTH: 10MHz / QPSK

CH 376500:

