SPOT CHECK REPORT

FCC PART 2 & 22 & 24 & 27

FCC ID:	XMR2020RM505QAE
Application:	Quectel Wireless Solutions Company Limited
Application Type:	Certification
Product:	5G Sub-6 GHz M.2 Module
Model No.:	RM505Q-AE
Brand Name:	Quectel
FCC Rule Part(s):	Part 2, 22 (H), 24 (E), 27
Test Procedure(s):	ANSI C63.26: 2015
Test Date:	January 13, 2021 ~ February 23, 2021

Reviewed By: Sunny Sun

Approved By: Robin Wu

Revision History

Report No.	Version	Description	Issue Date	Note
2101RSU006-U6	Rev. 01	Initial Report	03-07-2021	Valid

Note: This application for certification is leveraging the data reuse procedures from KDB 484596 based on reference FCC ID: XMR2020RM502QAE to cover variant FCC ID: XMR2020RM505QAE.

CONTENTS

Description Page

1. GENERAL INFORMATION

1.1. Applicant

Quectel Wireless Solutions Company Limited
Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233

1.2. Manufacturer

Quectel Wireless Solutions Company Limited
Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233

1.3. Testing Facility

☒	**Test Site - MRT Suzhou Laboratory**	
	Laboratory Location (Suzhou - Wuzhong)	
	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China	
	Laboratory Location (Suzhou - SIP)	
	4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China	
	Laboratory Accreditations	
	A2LA: 3628.01	CNAS: L10551
	FCC: CN1166	ISED: CN0001
	VCCI: R-20025, G-20034, C-20020, T-20020	
☐	**Test Site - MRT Shenzhen Laboratory**	
	Laboratory Location (Shenzhen)	
	1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China	
	Laboratory Accreditations	
	A2LA: 3628.02	CNAS: L10551
	FCC: CN1284	ISED: CN0105
☐	**Test Site - MRT Taiwan Laboratory**	
	Laboratory Location (Taiwan)	
	No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
	Laboratory Accreditations	
	TAF: L3261-190725	
	FCC: 291082, TW3261	ISED: TW3261

2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name:	5G Sub-6 GHz M.2 Module
Model No.:	RM505Q-AE
Brand Name:	Quectel
IMEI:	868692050005110
Operating Temperature:	-20 ~ 60 °C
Power Type:	3.135 ~ 4.4Vdc, typical 3.7Vdc
UMTS Specification	
Single Band:	Band 2, 4, 5
Modulation:	Uplink up to 16QAM, Downlink up to 64QAM
E-UTRA Specification	
Single Band:	Band 2, 4, 5, 7, 12, 13, 14, 17, 25, 26, 30, 38, 41, 48, 66, 71
Intra-Band:	CA_2C, CA_5B, CA_7C, CA_38C, CA_41C, CA_66C
Modulation:	UL & DL up to 256QAM
5G NR Specification	
SA Band:	n2, n5, n7, n12, n25, n41, n66, n71, n77
SA UL MIMO Band:	n41
EN-DC Band:	DC_5A_n2A, DC_12A_n2, DC_13A_n2A, DC_2A_n5A DC_30A_n5A, DC_66A_n5A, DC_5A_n7A, DC_12A_n7A DC_2A_n12A, DC_12A_n25A, DC_2A_n41A, DC_25A_n41A DC_26A_n41A, DC_66A_n41A, DC_5A_n66A, DC_12A_n66A DC_13A_n66A, DC_14A_n66A, DC_71A_n66A, DC_2A_n71A DC_7A_n71A, DC_66A_n71A
HPUE Band:	n41, n77
SCS for NR cell:	FDD Band: 15kHz; TDD Band: 30kHz
Modulation:	UL & DL up to 256QAM

2.2. Product Specification Subjective to this Report

FDD T_X Frequency Range:	n2: 1850 ~ 1910 MHz; n5: 824 ~ 849 MHz n7: 2500 ~ 2570 MHz; n12: 699 ~ 716 MHz n25: 1850 ~ 1915 MHz; n66: 1710 ~ 1780 MHz n71: 663 ~ 698MHz
FDD R_X Frequency Range:	n2: 1930 ~ 1990 MHz; n5: 869 ~ 894 MHz n7: 2620 ~ 2690 MHz; n12: 729 ~ 746 MHz n25: 1930 ~ 1995 MHz; n66: 2110 ~ 2200 MHz n71: 617 ~ 652 MHz
TDD Frequency Range:	n41: 2496 ~ 2690 MHz; n77: 3700 ~ 3980MHz
Support Bandwidth:	n2, n5, n7, n25, n66, n71: 5, 10, 15, 20MHz n12: 5, 10, 15MHz n41: 20, 30, 40, 50, 60, 80, 100MHz n77: 100MHz

Note 1: For other features of this EUT, test report will be issued separately.

Note 2: The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

2.3. Description of Available Antennas

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)
n2	1850 ~ 1910	Dipole	0.25
n5	824 ~ 849		2.68
n7	2500 ~ 2570		0.55
n12	699 ~ 716		-0.20
n25	1850 ~ 1915		0.25
n41	2496 ~ 2690		0.78
n66	1710 ~ 1780		1.47
n71	663 ~ 698		1.22
n77	3700 ~ 3980		-4.11

Note: All antenna information (Antenna type and Peak Gain) is provided by the manufacturer.

2.4. Test Methodology

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ANSI C63.26:2015
- FCC CFR 47 Part 2, Part 22, Part 24, Part 27
- FCC KDB 971168 D01 v03r01: Power Meas License Digital Systems
- FCC KDB 971168 D02 v02r01: Misc Rev Approv License Devices
- FCC KDB 412172 D01 v01r01: Determining ERP and EIRP
- FCC KDB 662911 D01 v02r01: Multiple Transmitter Output

2.5. Device Capabilities

This device contains 5G NR SA & EN-DC the following capabilities: Working on NR Band n2, n5, n7, n12, n25, n41, n66, n71, n77.

n25 (1850 ~ 1915 MHz) overlaps the entire frequency range of n2 (1850 ~ 1910 MHz). Therefore, test data provided in this report covers n2 as well as n25.

PI/2 BPSK modulation applied for 5G NR band frequencies and has the same tune up power as QPSK modulations.

The DFT-s-OFDM and CP-OFDM waveforms were investigated, and DFT-s-OFDM was found to be the worst case.

UL MIMO mode only support CP-OFDM.

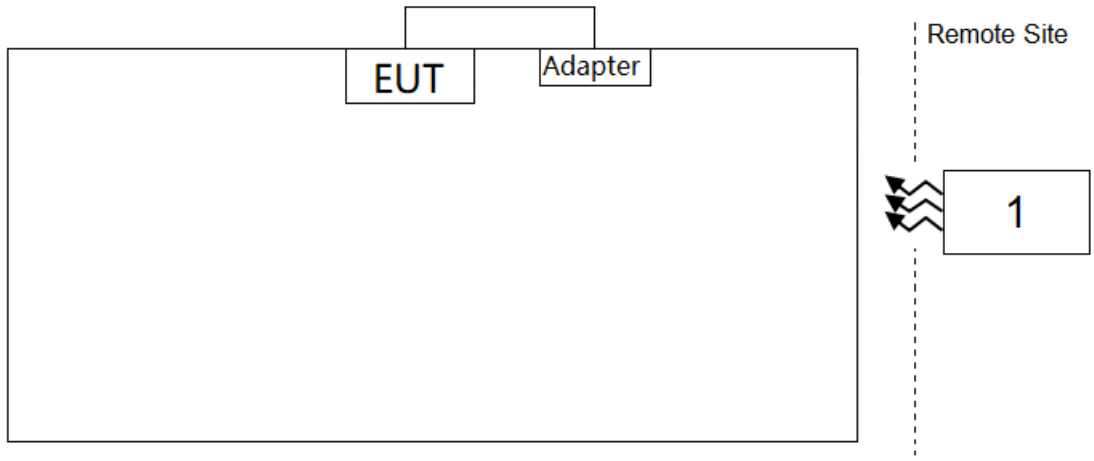
The worst-case scenario for all measurements is based on an engineering evaluation and QPSK was observed as the worst one and set for all conducted and radiated. Output power measurements were measured on PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM, and BPSK modulations.

For EN-DC mode, 5G NR FR1 bands are tested in this report (Ouput Power, Conducted Band Edge, Radiated Spurious Emissions), all the other RF bands are tested in the other reports separately.

2.6. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2.7. Configuration of Tested System



Product		Manufacturer	Model No.
1	UXM 5G Wireless Test Platform	Keysight	E7515B

2.8. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20 ~ 75%RH

3. TEST EQUIPMENT CALIBRATION DATE

Conducted Test Equipment (WZ-SR6, WZ-TR3)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	Agilent	N9020A	MRTSUE06106	1 year	2021/04/15
UXM 5G Wireless Test Platform	Keysight	E7515B	MRTSUE06869	1 year	2021/05/25
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06452	1 year	2021/07/11
Signal Analyzer	R&S	FSV40	MRTSUE06218	1 year	2021/04/15
Power Meter	Agilent	U2021XA	MRTSUE06030	1 year	2021/11/18
DC Power Supply	GWINSTEK	DPS-3303C	MRTSUE06064	N/A	N/A
True RMS Clamp Meter	Fluke	319	MRTSUE06080	1 year	2021/05/06
Directional Coupler	Agilent	87301D	MRTSUE06082	1 year	2021/03/25
Attenuator	MVE	6dB	MRTSUE06534	1 year	2021/12/12
Attenuator	MVE	10dB	MRTSUE06543	1 year	2021/12/12
Temperature & Humidity Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2021/11/07
Thermohygrometer	testo	608-H1	MRTSUE06401	1 year	2021/08/08

4. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Conducted Spurious Emissions
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 0.78dB
Conducted Output Power
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.13dB

5. TEST RESULT

5.1. Summary

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
22.913(a)(5)	Equivalent Radiated Power (n5)	< 7 Watts Max ERP	Conducted	Pass	Section 5.2
27.50(c)(9)	Equivalent Radiated Power (n12)	< 30 Watts Max ERP			
27.50(c)(10)	Equivalent Radiated Power (n71)	< 3 Watts Max ERP			
24.232(c) 27.50(h)(2)	Equivalent Isotropic Radiated Power (n2/25, n7, n41)	< 2 Watts Max EIRP			
27.50(d)(4) 27.50(j)(3)	Equivalent Isotropic Radiated Power (n66, n77)	< 1 Watts Max EIRP			
2.1051, 22.917(a) 24.238(a), 27.53(g),(h),(l)(2)	Spurious Emission (n2/25, n66, n5, n12, n71, n77)	< 43 + 10log10 ($P[_{Watts}]$)		Pass	Section 5.3
2.1051, 27.53(m)	Spurious Emission (n7, n41)	< 55 + 10log10 ($P[_{Watts}]$)			

Notes:

1) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
2) The difference compared with the original report is only different DL CA bands. Output power and conducted spurious emissions verification worst test refer to original MRT Repor No. “2010RSU005-U6”.

5.2. Equivalent Isotropically Radiated Power Measurement

5.2.1.Test Limit

The ERP of mobile transmitters must not exceed 7 watts for n5.

The ERP of mobile transmitters must not exceed 30 watts for n12.

The ERP of mobile transmitters must not exceed 3 watts for n71.

The EIRP of mobile transmitters must not exceed 2 watts for n2 & n7 & n25 & n41.

The EIRP of mobile transmitters must not exceed 1 watt for n66 & n77.

5.2.2.Test Procedures Used

ANSI C63.26-2015 - Section 5.2

5.2.3.Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation (1) as follows:

ERP or EIRP = P_{Meas} + G_T

where

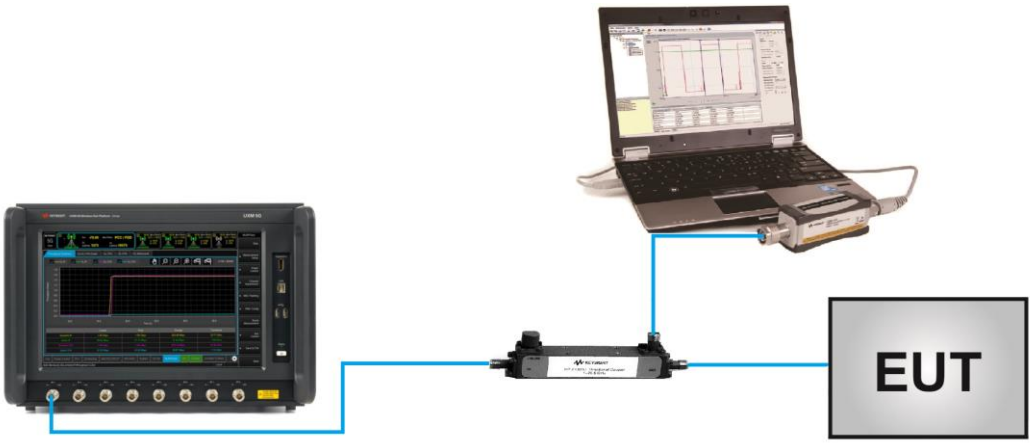
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, e.g., dBm or dBW)

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)

ERP = EIRP -2.15

5.2.4.Test Setup



5.2.5.Test Result

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n2/25_SA		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
370500	1852.5	5	1	0	22.53	22.78	< 33.01
			1	1	23.48	23.73	< 33.01
			12	6	23.67	23.92	< 33.01
			25	0	22.61	22.86	< 33.01
376500	1882.5	5	1	0	22.54	22.79	< 33.01
			1	1	23.65	23.90	< 33.01
			12	6	23.7	23.95	< 33.01
			25	0	22.67	22.92	< 33.01
382500	1912.5	5	1	0	22.61	22.86	< 33.01
			1	1	23.62	23.87	< 33.01
			12	6	23.69	23.94	< 33.01
			25	0	22.65	22.90	< 33.01
371000	1855.0	10	1	0	22.57	22.82	< 33.01
			1	1	23.55	23.80	< 33.01
			25	12	23.65	23.90	< 33.01
			50	0	22.57	22.82	< 33.01
376500	1882.5	10	1	0	22.64	22.89	< 33.01
			1	1	23.7	23.95	< 33.01
			25	12	23.83	24.08	< 33.01
			50	0	23.18	23.43	< 33.01
382000	1910.0	10	1	0	22.61	22.86	< 33.01
			1	1	23.67	23.92	< 33.01
			25	12	23.74	23.99	< 33.01
			50	0	22.79	23.04	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
371500	1857.5	15	1	0	22.51	22.76	< 33.01
			1	1	23.53	23.78	< 33.01
			36	18	23.73	23.98	< 33.01
			75	0	22.78	23.03	< 33.01
376500	1882.5	15	1	0	22.64	22.89	< 33.01
			1	1	23.74	23.99	< 33.01
			36	18	23.74	23.99	< 33.01
			75	0	22.74	22.99	< 33.01
381500	1907.5	15	1	0	22.71	22.96	< 33.01
			1	1	23.75	24.00	< 33.01
			36	18	23.74	23.99	< 33.01
			75	0	22.79	23.04	< 33.01
372000	1860.0	20	1	0	22.76	23.01	< 33.01
			1	1	23.8	24.05	< 33.01
			50	25	23.85	24.10	< 33.01
			100	0	22.82	23.07	< 33.01
376500	1882.5	20	1	0	22.9	23.15	< 33.01
			1	1	23.78	24.03	< 33.01
			50	25	23.75	24.00	< 33.01
			100	0	22.76	23.01	< 33.01
381000	1905.0	20	1	0	22.73	22.98	< 33.01
			1	1	23.75	24.00	< 33.01
			50	25	23.76	24.01	< 33.01
			100	0	22.76	23.01	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n5_SA		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
165300	826.5	5	1	0	23.35	23.88	< 38.45
			1	1	24.39	24.92	< 38.45
			12	6	24.26	24.79	< 38.45
			25	0	23.35	23.88	< 38.45
167300	836.5	5	1	0	23.16	23.69	< 38.45
			1	1	24.18	24.71	< 38.45
			12	6	24.18	24.71	< 38.45
			25	0	23.17	23.70	< 38.45
169300	846.5	5	1	0	22.88	23.41	< 38.45
			1	1	23.98	24.51	< 38.45
			12	6	23.90	24.43	< 38.45
			25	0	22.90	23.43	< 38.45
165800	829.0	10	1	0	23.20	23.73	< 38.45
			1	1	24.33	24.86	< 38.45
			25	12	24.36	24.89	< 38.45
			50	0	23.37	23.90	< 38.45
167300	836.5	10	1	0	23.00	23.53	< 38.45
			1	1	24.00	24.53	< 38.45
			25	12	24.18	24.71	< 38.45
			50	0	23.12	23.65	< 38.45
168800	844.0	10	1	0	22.92	23.45	< 38.45
			1	1	23.96	24.49	< 38.45
			25	12	23.96	24.49	< 38.45
			50	0	23.00	23.53	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
166300	831.5	15	1	0	23.21	23.74	< 38.45
			1	1	24.27	24.80	< 38.45
			36	18	24.20	24.73	< 38.45
			75	0	23.26	23.79	< 38.45
167300	836.5	15	1	0	23.06	23.59	< 38.45
			1	1	24.23	24.76	< 38.45
			36	18	24.11	24.64	< 38.45
			75	0	23.11	23.64	< 38.45
168300	841.5	15	1	0	23.07	23.60	< 38.45
			1	1	24.12	24.65	< 38.45
			36	18	24.05	24.58	< 38.45
			75	0	23.04	23.57	< 38.45
166800	834.0	20	1	0	23.21	23.74	< 38.45
			1	1	24.20	24.73	< 38.45
			50	25	24.30	24.83	< 38.45
			100	0	23.20	23.73	< 38.45
167300	836.5	20	1	0	23.19	23.72	< 38.45
			1	1	24.12	24.65	< 38.45
			50	25	24.20	24.73	< 38.45
			100	0	23.25	23.78	< 38.45
167800	839.0	20	1	0	23.14	23.67	< 38.45
			1	1	24.15	24.68	< 38.45
			50	25	24.15	24.68	< 38.45
			100	0	23.14	23.67	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n7_SA		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
500500	2502.5	5	1	0	22.88	23.43	< 33.01
			1	1	23.96	24.51	< 33.01
			12	6	23.97	24.52	< 33.01
			25	0	22.97	23.52	< 33.01
507000	2535.0	5	1	0	22.65	23.20	< 33.01
			1	1	23.69	24.24	< 33.01
			12	6	23.85	24.40	< 33.01
			25	0	23.21	23.76	< 33.01
513500	2567.5	5	1	0	22.74	23.29	< 33.01
			1	1	23.76	24.31	< 33.01
			12	6	23.75	24.30	< 33.01
			25	0	22.87	23.42	< 33.01
501000	2505.0	10	1	0	22.96	23.51	< 33.01
			1	1	24.06	24.61	< 33.01
			25	12	24.02	24.57	< 33.01
			50	0	22.99	23.54	< 33.01
507000	2535.0	10	1	0	22.62	23.17	< 33.01
			1	1	23.64	24.19	< 33.01
			25	12	23.72	24.27	< 33.01
			50	0	22.69	23.24	< 33.01
513000	2565.0	10	1	0	22.72	23.27	< 33.01
			1	1	23.76	24.31	< 33.01
			25	12	23.79	24.34	< 33.01
			50	0	22.86	23.41	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
501500	2507.5	15	1	0	22.95	23.50	< 33.01
			1	1	24.08	24.63	< 33.01
			36	18	23.92	24.47	< 33.01
			75	0	23.00	23.55	< 33.01
507000	2535.0	15	1	0	22.67	23.22	< 33.01
			1	1	23.62	24.17	< 33.01
			36	18	23.50	24.05	< 33.01
			75	0	22.65	23.20	< 33.01
512500	2562.5	15	1	0	22.71	23.26	< 33.01
			1	1	23.75	24.30	< 33.01
			36	18	23.74	24.29	< 33.01
			75	0	22.84	23.39	< 33.01
502000	2510.0	20	1	0	22.97	23.52	< 33.01
			1	1	23.88	24.43	< 33.01
			50	25	24.03	24.58	< 33.01
			100	0	22.85	23.40	< 33.01
507000	2535.0	20	1	0	22.64	23.19	< 33.01
			1	1	23.72	24.27	< 33.01
			50	25	23.63	24.18	< 33.01
			100	0	22.69	23.24	< 33.01
512000	2560.0	20	1	0	22.59	23.14	< 33.01
			1	1	23.57	24.12	< 33.01
			50	25	23.70	24.25	< 33.01
			100	0	22.83	23.38	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n12_SA		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
140300	701.5	5	1	0	23.30	20.95	< 44.77
			1	1	24.31	21.96	< 44.77
			12	6	24.29	21.94	< 44.77
			25	0	23.37	21.02	< 44.77
141500	707.5	5	1	0	23.22	20.87	< 44.77
			1	1	24.20	21.85	< 44.77
			12	6	24.15	21.80	< 44.77
			25	0	23.20	20.85	< 44.77
142700	713.5	5	1	0	23.03	20.68	< 44.77
			1	1	24.05	21.70	< 44.77
			12	6	24.01	21.66	< 44.77
			25	0	23.01	20.66	< 44.77
140800	704.0	10	1	0	23.24	20.89	< 44.77
			1	1	24.19	21.84	< 44.77
			25	12	24.29	21.94	< 44.77
			50	0	23.23	20.88	< 44.77
141500	707.5	10	1	0	23.20	20.85	< 44.77
			1	1	24.13	21.78	< 44.77
			25	12	24.17	21.82	< 44.77
			50	0	23.18	20.83	< 44.77
142200	711.0	10	1	0	23.09	20.74	< 44.77
			1	1	24.04	21.69	< 44.77
			25	12	24.12	21.77	< 44.77
			50	0	23.15	20.80	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
141300	706.5	15	1	0	23.28	20.93	< 44.77
			1	1	24.39	22.04	< 44.77
			36	18	24.23	21.88	< 44.77
			75	0	23.35	21.00	< 44.77
141500	707.5	15	1	0	23.21	20.86	< 44.77
			1	1	24.16	21.81	< 44.77
			36	18	24.23	21.88	< 44.77
			75	0	23.25	20.90	< 44.77
141700	708.5	15	1	0	23.10	20.75	< 44.77
			1	1	24.11	21.76	< 44.77
			36	18	24.19	21.84	< 44.77
			75	0	23.10	20.75	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n66_SA		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
342500	1712.5	5	1	0	22.86	24.33	< 30.00
			1	1	23.87	25.34	< 30.00
			12	6	24.00	25.47	< 30.00
			25	0	23.06	24.53	< 30.00
349000	1745.0	5	1	0	22.65	24.12	< 30.00
			1	1	23.63	25.10	< 30.00
			12	6	23.71	25.18	< 30.00
			25	0	22.69	24.16	< 30.00
355500	1777.5	5	1	0	22.66	24.13	< 30.00
			1	1	23.61	25.08	< 30.00
			12	6	23.78	25.25	< 30.00
			25	0	22.88	24.35	< 30.00
343000	1715.0	10	1	0	22.90	24.37	< 30.00
			1	1	23.83	25.30	< 30.00
			25	12	23.93	25.40	< 30.00
			50	0	22.93	24.40	< 30.00
349000	1745.0	10	1	0	22.76	24.23	< 30.00
			1	1	23.82	25.29	< 30.00
			25	12	23.75	25.22	< 30.00
			50	0	22.74	24.21	< 30.00
355000	1775.0	10	1	0	22.84	24.31	< 30.00
			1	1	23.82	25.29	< 30.00
			25	12	23.94	25.41	< 30.00
			50	0	22.91	24.38	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
343500	1717.5	15	1	0	22.83	24.30	< 30.00
			1	1	23.88	25.35	< 30.00
			36	18	23.76	25.23	< 30.00
			75	0	22.87	24.34	< 30.00
349000	1745.0	15	1	0	22.67	24.14	< 30.00
			1	1	23.68	25.15	< 30.00
			36	18	23.75	25.22	< 30.00
			75	0	22.75	24.22	< 30.00
354500	1772.5	15	1	0	22.72	24.19	< 30.00
			1	1	23.73	25.20	< 30.00
			36	18	23.70	25.17	< 30.00
			75	0	22.78	24.25	< 30.00
344000	1720.0	20	1	0	22.75	24.22	< 30.00
			1	1	23.82	25.29	< 30.00
			50	25	23.84	25.31	< 30.00
			100	0	22.85	24.32	< 30.00
349000	1745.0	20	1	0	22.69	24.16	< 30.00
			1	1	23.72	25.19	< 30.00
			50	25	23.86	25.33	< 30.00
			100	0	22.77	24.24	< 30.00
354000	1770.0	20	1	0	22.67	24.14	< 30.00
			1	1	23.67	25.14	< 30.00
			50	25	23.72	25.19	< 30.00
			100	0	22.71	24.18	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n71_SA		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
133100	665.5	5	1	0	23.36	22.43	< 34.77
			1	1	24.24	23.31	< 34.77
			12	6	24.27	23.34	< 34.77
			25	0	23.27	22.34	< 34.77
136100	680.5	5	1	0	23.19	22.26	< 34.77
			1	1	24.17	23.24	< 34.77
			12	6	24.16	23.23	< 34.77
			25	0	23.12	22.19	< 34.77
139100	695.5	5	1	0	22.98	22.05	< 34.77
			1	1	24.07	23.14	< 34.77
			12	6	24.05	23.12	< 34.77
			25	0	22.95	22.02	< 34.77
133600	668.0	10	1	0	23.21	22.28	< 34.77
			1	1	24.33	23.4	< 34.77
			25	12	24.25	23.32	< 34.77
			50	0	23.12	22.19	< 34.77
136100	680.5	10	1	0	23.07	22.14	< 34.77
			1	1	24.03	23.1	< 34.77
			25	12	24.02	23.09	< 34.77
			50	0	23.05	22.12	< 34.77
138600	693.0	10	1	0	23.03	22.1	< 34.77
			1	1	24.06	23.13	< 34.77
			25	12	23.92	22.99	< 34.77
			50	0	22.96	22.03	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
134100	670.5	15	1	0	23.27	22.34	< 34.77
			1	1	24.3	23.37	< 34.77
			36	18	24.12	23.19	< 34.77
			75	0	23.23	22.3	< 34.77
136100	680.5	15	1	0	23.06	22.13	< 34.77
			1	1	24.23	23.3	< 34.77
			36	18	24.12	23.19	< 34.77
			75	0	23.05	22.12	< 34.77
138100	690.5	15	1	0	23.08	22.15	< 34.77
			1	1	24.08	23.15	< 34.77
			36	18	23.94	23.01	< 34.77
			75	0	23.03	22.1	< 34.77
134600	673.0	20	1	0	23.3	22.37	< 34.77
			1	1	24.34	23.41	< 34.77
			50	25	24.15	23.22	< 34.77
			100	0	23.27	22.34	< 34.77
136100	680.5	20	1	0	23.13	22.2	< 34.77
			1	1	24.23	23.3	< 34.77
			50	25	24.13	23.2	< 34.77
			100	0	23.2	22.27	< 34.77
137600	688.0	20	1	0	23.04	22.11	< 34.77
			1	1	24.08	23.15	< 34.77
			50	25	24.05	23.12	< 34.77
			100	0	23.08	22.15	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n41_SA		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
501204	2506.02	20	1	0	21.71	22.49	< 33.01
			1	1	21.86	22.64	< 33.01
			25	12	21.77	22.55	< 33.01
			50	0	21.82	22.60	< 33.01
518598	2592.99	20	1	0	22.56	23.34	< 33.01
			1	1	22.58	23.36	< 33.01
			25	12	22.42	23.20	< 33.01
			50	0	22.49	23.27	< 33.01
535998	2679.99	20	1	0	22.19	22.97	< 33.01
			1	1	22.26	23.04	< 33.01
			25	12	22.04	22.82	< 33.01
			50	0	22.09	22.87	< 33.01
502200	2511.0	30	1	0	22.43	23.21	< 33.01
			1	1	22.26	23.04	< 33.01
			36	18	22.32	23.10	< 33.01
			75	0	22.36	23.14	< 33.01
518598	2592.99	30	1	0	22.51	23.29	< 33.01
			1	1	22.85	23.63	< 33.01
			36	18	22.73	23.51	< 33.01
			75	0	22.81	23.59	< 33.01
534996	2674.98	30	1	0	22.47	23.25	< 33.01
			1	1	22.38	23.16	< 33.01
			36	18	22.63	23.41	< 33.01
			75	0	22.70	23.48	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
503202	2516.01	40	1	0	22.42	23.20	< 33.01
			1	1	22.30	23.08	< 33.01
			50	25	22.29	23.07	< 33.01
			100	0	22.33	23.11	< 33.01
518598	2592.99	40	1	0	22.45	23.23	< 33.01
			1	1	22.78	23.56	< 33.01
			50	25	22.78	23.56	< 33.01
			100	0	22.82	23.60	< 33.01
534000	2670.0	40	1	0	22.80	23.58	< 33.01
			1	1	22.85	23.63	< 33.01
			50	25	22.78	23.56	< 33.01
			100	0	22.73	23.51	< 33.01
504204	2521.02	50	1	0	22.09	22.87	< 33.01
			1	1	22.42	23.20	< 33.01
			64	32	22.43	23.21	< 33.01
			128	0	22.46	23.24	< 33.01
518598	2592.99	50	1	0	22.77	23.55	< 33.01
			1	1	22.87	23.65	< 33.01
			64	32	22.84	23.62	< 33.01
			128	0	22.83	23.61	< 33.01
532998	2664.99	50	1	0	22.54	23.32	< 33.01
			1	1	22.94	23.72	< 33.01
			64	32	22.87	23.65	< 33.01
			128	0	22.85	23.63	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
505200	2526.0	60	1	0	22.06	22.84	< 33.01
			1	1	22.06	22.84	< 33.01
			81	40	22.22	23.00	< 33.01
			162	0	22.20	22.98	< 33.01
518598	2592.99	60	1	0	21.79	22.57	< 33.01
			1	1	21.80	22.58	< 33.01
			81	40	21.79	22.57	< 33.01
			162	0	21.79	22.57	< 33.01
531996	2659.98	60	1	0	22.13	22.91	< 33.01
			1	1	22.71	23.49	< 33.01
			81	40	22.70	23.48	< 33.01
			162	0	22.52	23.30	< 33.01
507204	2536.02	80	1	0	21.08	21.86	< 33.01
			1	1	21.68	22.46	< 33.01
			108	54	21.90	22.68	< 33.01
			216	0	21.92	22.70	< 33.01
518598	2592.99	80	1	0	21.73	22.51	< 33.01
			1	1	22.02	22.80	< 33.01
			108	54	22.28	23.06	< 33.01
			216	0	22.26	23.04	< 33.01
529998	2649.99	80	1	0	22.24	23.02	< 33.01
			1	1	22.35	23.13	< 33.01
			108	54	22.25	23.03	< 33.01
			216	0	22.06	22.84	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
509202	2546.01	100	1	0	21.92	22.70	< 33.01
			1	1	21.72	22.50	< 33.01
			135	67	21.90	22.68	< 33.01
			270	0	21.81	22.59	< 33.01
518598	2592.99	100	1	0	21.79	22.57	< 33.01
			1	1	21.67	22.45	< 33.01
			135	67	21.70	22.48	< 33.01
			270	0	21.91	22.69	< 33.01
528000	2640.0	100	1	0	22.24	23.02	< 33.01
			1	1	22.10	22.88	< 33.01
			135	67	22.18	22.96	< 33.01
			270	0	22.10	22.88	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n41_SA_HPUE		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
501204	2506.02	20	1	0	22.95	23.73	< 33.01
			1	1	26.41	27.19	< 33.01
			25	12	26.44	27.22	< 33.01
			50	0	25.42	26.20	< 33.01
518598	2592.99	20	1	0	23.42	24.20	< 33.01
			1	1	26.81	27.59	< 33.01
			25	12	26.51	27.29	< 33.01
			50	0	26.20	26.98	< 33.01
535998	2679.99	20	1	0	23.01	23.79	< 33.01
			1	1	25.90	26.68	< 33.01
			25	12	25.63	26.41	< 33.01
			50	0	24.98	25.76	< 33.01
502200	2511.0	30	1	0	22.92	23.70	< 33.01
			1	1	26.40	27.18	< 33.01
			36	18	26.37	27.15	< 33.01
			75	0	25.44	26.22	< 33.01
518598	2592.99	30	1	0	23.20	23.98	< 33.01
			1	1	26.27	27.05	< 33.01
			36	18	25.97	26.75	< 33.01
			75	0	25.99	26.77	< 33.01
534996	2674.98	30	1	0	22.78	23.56	< 33.01
			1	1	26.14	26.92	< 33.01
			36	18	25.41	26.19	< 33.01
			75	0	25.31	26.09	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
503202	2516.01	40	1	0	23.15	23.93	< 33.01
			1	1	26.63	27.41	< 33.01
			50	25	26.34	27.12	< 33.01
			100	0	26.23	27.01	< 33.01
518598	2592.99	40	1	0	23.59	24.37	< 33.01
			1	1	26.22	27.00	< 33.01
			50	25	26.42	27.20	< 33.01
			100	0	25.66	26.44	< 33.01
534000	2670.0	40	1	0	23.42	24.20	< 33.01
			1	1	26.41	27.19	< 33.01
			50	25	26.24	27.02	< 33.01
			100	0	25.84	26.62	< 33.01
504204	2521.02	50	1	0	22.68	23.46	< 33.01
			1	1	23.16	23.94	< 33.01
			64	32	23.24	24.02	< 33.01
			128	0	25.63	26.41	< 33.01
518598	2592.99	50	1	0	22.81	23.59	< 33.01
			1	1	23.29	24.07	< 33.01
			64	32	23.48	24.26	< 33.01
			128	0	26.00	26.78	< 33.01
532998	2664.99	50	1	0	22.76	23.54	< 33.01
			1	1	23.24	24.02	< 33.01
			64	32	23.00	23.78	< 33.01
			128	0	25.51	26.29	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
505200	2526.0	60	1	0	22.78	23.56	< 33.01
			1	1	26.25	27.03	< 33.01
			81	40	26.54	27.32	< 33.01
			162	0	26.01	26.79	< 33.01
518598	2592.99	60	1	0	22.95	23.73	< 33.01
			1	1	26.22	27.00	< 33.01
			81	40	26.45	27.23	< 33.01
			162	0	25.83	26.61	< 33.01
531996	2659.98	60	1	0	23.46	24.24	< 33.01
			1	1	26.74	27.52	< 33.01
			81	40	26.30	27.08	< 33.01
			162	0	26.03	26.81	< 33.01
507204	2536.02	80	1	0	22.85	23.63	< 33.01
			1	1	26.41	27.19	< 33.01
			108	54	26.61	27.39	< 33.01
			216	0	25.63	26.41	< 33.01
518598	2592.99	80	1	0	23.26	24.04	< 33.01
			1	1	26.37	27.15	< 33.01
			108	54	26.57	27.35	< 33.01
			216	0	26.49	27.27	< 33.01
529998	2649.99	80	1	0	23.27	24.05	< 33.01
			1	1	26.46	27.24	< 33.01
			108	54	26.64	27.42	< 33.01
			216	0	25.75	26.53	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
509202	2546.01	100	1	0	22.69	23.47	< 33.01
			1	1	26.32	27.10	< 33.01
			135	67	26.35	27.13	< 33.01
			270	0	26.17	26.95	< 33.01
518598	2592.99	100	1	0	23.39	24.17	< 33.01
			1	1	26.51	27.29	< 33.01
			135	67	26.54	27.32	< 33.01
			270	0	25.99	26.77	< 33.01
528000	2640.0	100	1	0	23.54	24.32	< 33.01
			1	1	26.24	27.02	< 33.01
			135	67	26.71	27.49	< 33.01
			270	0	25.84	26.62	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n77_SA		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
750000	3750.0	100	1	0	21.66	17.55	< 30.00
			1	1	21.47	17.36	< 30.00
			135	67	22.11	18.00	< 30.00
			270	0	22.09	17.98	< 30.00
772998	3864.99	100	1	0	22.32	18.21	< 30.00
			1	1	22.13	18.02	< 30.00
			135	67	22.45	18.34	< 30.00
			270	0	22.50	18.39	< 30.00
786000	3930.0	100	1	0	22.84	18.73	< 30.00
			1	1	23.25	19.14	< 30.00
			135	67	23.11	19.00	< 30.00
			270	0	23.26	19.15	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n77_SA_HPUE		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
750000	3750.0	100	1	0	23.64	19.53	< 30.00
			1	1	25.73	21.62	< 30.00
			135	67	25.65	21.54	< 30.00
			270	0	25.57	21.46	< 30.00
772998	3864.99	100	1	0	23.40	19.29	< 30.00
			1	1	26.09	21.98	< 30.00
			135	67	26.25	22.14	< 30.00
			270	0	25.48	21.37	< 30.00
786000	3930.0	100	1	0	24.36	20.25	< 30.00
			1	1	26.07	21.96	< 30.00
			135	67	26.11	22.00	< 30.00
			270	0	26.34	22.23	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n2/25_EN-DC		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
370500	1852.5	5	1	0	23.18	23.43	< 33.01
			1	1	23.07	23.32	< 33.01
			12	6	23.23	23.48	< 33.01
			25	0	23.31	23.56	< 33.01
376500	1882.5	5	1	0	23.17	23.42	< 33.01
			1	1	23.17	23.42	< 33.01
			12	6	23.19	23.44	< 33.01
			25	0	23.18	23.43	< 33.01
382500	1912.5	5	1	0	23.17	23.42	< 33.01
			1	1	23.06	23.31	< 33.01
			12	6	23.15	23.40	< 33.01
			25	0	23.19	23.44	< 33.01
371000	1855.0	10	1	0	23.16	23.41	< 33.01
			1	1	23.16	23.41	< 33.01
			25	12	23.21	23.46	< 33.01
			50	0	23.30	23.55	< 33.01
376500	1882.5	10	1	0	23.16	23.41	< 33.01
			1	1	23.17	23.42	< 33.01
			25	12	23.15	23.40	< 33.01
			50	0	23.20	23.45	< 33.01
382000	1910.0	10	1	0	23.02	23.27	< 33.01
			1	1	23.01	23.26	< 33.01
			25	12	23.19	23.44	< 33.01
			50	0	23.11	23.36	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
371500	1857.5	15	1	0	23.29	23.54	< 33.01
			1	1	23.22	23.47	< 33.01
			36	18	23.30	23.55	< 33.01
			75	0	23.40	23.65	< 33.01
376500	1882.5	15	1	0	23.27	23.52	< 33.01
			1	1	23.34	23.59	< 33.01
			36	18	23.28	23.53	< 33.01
			75	0	23.25	23.50	< 33.01
381500	1907.5	15	1	0	23.19	23.44	< 33.01
			1	1	23.15	23.40	< 33.01
			36	18	23.18	23.43	< 33.01
			75	0	23.16	23.41	< 33.01
372000	1860.0	20	1	0	23.22	23.47	< 33.01
			1	1	23.22	23.47	< 33.01
			50	25	23.33	23.58	< 33.01
			100	0	23.35	23.60	< 33.01
376500	1882.5	20	1	0	23.30	23.55	< 33.01
			1	1	23.41	23.66	< 33.01
			50	25	23.30	23.55	< 33.01
			100	0	23.31	23.56	< 33.01
381000	1905.0	20	1	0	23.22	23.47	< 33.01
			1	1	23.33	23.58	< 33.01
			50	25	23.24	23.49	< 33.01
			100	0	23.27	23.52	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n5_EN-DC		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
165300	826.5	5	1	0	23.14	23.67	< 38.45
			1	1	23.03	23.56	< 38.45
			12	6	23.00	23.53	< 38.45
			25	0	23.10	23.63	< 38.45
167300	836.5	5	1	0	22.92	23.45	< 38.45
			1	1	22.92	23.45	< 38.45
			12	6	22.90	23.43	< 38.45
			25	0	22.99	23.52	< 38.45
169300	846.5	5	1	0	22.67	23.20	< 38.45
			1	1	22.59	23.12	< 38.45
			12	6	22.62	23.15	< 38.45
			25	0	22.62	23.15	< 38.45
165800	829.0	10	1	0	22.92	23.45	< 38.45
			1	1	23.04	23.57	< 38.45
			25	12	22.96	23.49	< 38.45
			50	0	23.00	23.53	< 38.45
167300	836.5	10	1	0	22.83	23.36	< 38.45
			1	1	22.78	23.31	< 38.45
			25	12	22.89	23.42	< 38.45
			50	0	22.89	23.42	< 38.45
168800	844.0	10	1	0	22.76	23.29	< 38.45
			1	1	22.74	23.27	< 38.45
			25	12	22.83	23.36	< 38.45
			50	0	22.81	23.34	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
166300	831.5	15	1	0	23.17	23.70	< 38.45
			1	1	23.13	23.66	< 38.45
			36	18	23.02	23.55	< 38.45
			75	0	23.10	23.63	< 38.45
167300	836.5	15	1	0	22.99	23.52	< 38.45
			1	1	22.97	23.50	< 38.45
			36	18	22.94	23.47	< 38.45
			75	0	22.96	23.49	< 38.45
168300	841.5	15	1	0	22.89	23.42	< 38.45
			1	1	22.83	23.36	< 38.45
			36	18	22.82	23.35	< 38.45
			75	0	22.85	23.38	< 38.45
166800	834.0	20	1	0	23.05	23.58	< 38.45
			1	1	23.26	23.79	< 38.45
			50	25	22.95	23.48	< 38.45
			100	0	23.07	23.60	< 38.45
167300	836.5	20	1	0	23.01	23.54	< 38.45
			1	1	23.06	23.59	< 38.45
			50	25	22.95	23.48	< 38.45
			100	0	22.94	23.47	< 38.45
167800	839.0	20	1	0	23.01	23.54	< 38.45
			1	1	23.01	23.54	< 38.45
			50	25	23.00	23.53	< 38.45
			100	0	23.00	23.53	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n7_EN-DC		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
500500	2502.5	5	1	0	23.24	23.79	< 33.01
			1	1	23.23	23.78	< 33.01
			12	6	23.29	23.84	< 33.01
			25	0	23.38	23.93	< 33.01
507000	2535.0	5	1	0	22.97	23.52	< 33.01
			1	1	22.84	23.39	< 33.01
			12	6	23.00	23.55	< 33.01
			25	0	23.04	23.59	< 33.01
513500	2567.5	5	1	0	22.82	23.37	< 33.01
			1	1	22.79	23.34	< 33.01
			12	6	22.89	23.44	< 33.01
			25	0	22.87	23.42	< 33.01
501000	2505.0	10	1	0	23.18	23.73	< 33.01
			1	1	23.27	23.82	< 33.01
			25	12	23.28	23.83	< 33.01
			50	0	23.29	23.84	< 33.01
507000	2535.0	10	1	0	22.86	23.41	< 33.01
			1	1	22.93	23.48	< 33.01
			25	12	23.02	23.57	< 33.01
			50	0	23.04	23.59	< 33.01
513000	2565.0	10	1	0	22.75	23.30	< 33.01
			1	1	22.85	23.40	< 33.01
			25	12	22.90	23.45	< 33.01
			50	0	22.84	23.39	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
501500	2507.5	15	1	0	23.34	23.89	< 33.01
			1	1	23.24	23.79	< 33.01
			36	18	23.26	23.81	< 33.01
			75	0	23.24	23.79	< 33.01
507000	2535.0	15	1	0	23.05	23.60	< 33.01
			1	1	23.14	23.69	< 33.01
			36	18	23.02	23.57	< 33.01
			75	0	22.97	23.52	< 33.01
512500	2562.5	15	1	0	22.90	23.45	< 33.01
			1	1	22.80	23.35	< 33.01
			36	18	22.87	23.42	< 33.01
			75	0	22.86	23.41	< 33.01
502000	2510.0	20	1	0	23.38	23.93	< 33.01
			1	1	23.36	23.91	< 33.01
			50	25	23.30	23.85	< 33.01
			100	0	23.24	23.79	< 33.01
507000	2535.0	20	1	0	22.96	23.51	< 33.01
			1	1	22.95	23.50	< 33.01
			50	25	23.01	23.56	< 33.01
			100	0	22.94	23.49	< 33.01
512000	2560.0	20	1	0	22.89	23.44	< 33.01
			1	1	22.91	23.46	< 33.01
			50	25	22.91	23.46	< 33.01
			100	0	22.85	23.40	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n12_EN-DC		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
140300	701.5	5	1	0	23.15	20.80	< 44.77
			1	1	23.02	20.67	< 44.77
			12	6	23.17	20.82	< 44.77
			25	0	23.12	20.77	< 44.77
141500	707.5	5	1	0	23.02	20.67	< 44.77
			1	1	22.92	20.57	< 44.77
			12	6	22.95	20.60	< 44.77
			25	0	22.97	20.62	< 44.77
142700	713.5	5	1	0	22.83	20.48	< 44.77
			1	1	22.85	20.50	< 44.77
			12	6	22.84	20.49	< 44.77
			25	0	22.92	20.57	< 44.77
140800	704.0	10	1	0	23.14	20.79	< 44.77
			1	1	23.07	20.72	< 44.77
			25	12	23.06	20.71	< 44.77
			50	0	23.00	20.65	< 44.77
141500	707.5	10	1	0	22.90	20.55	< 44.77
			1	1	23.19	20.84	< 44.77
			25	12	22.96	20.61	< 44.77
			50	0	23.01	20.66	< 44.77
142200	711.0	10	1	0	22.90	20.55	< 44.77
			1	1	22.91	20.56	< 44.77
			25	12	22.84	20.49	< 44.77
			50	0	22.90	20.55	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
141300	706.5	15	1	0	23.08	20.73	< 44.77
			1	1	23.05	20.70	< 44.77
			36	18	22.99	20.64	< 44.77
			75	0	23.04	20.69	< 44.77
141500	707.5	15	1	0	23.03	20.68	< 44.77
			1	1	23.02	20.67	< 44.77
			36	18	22.98	20.63	< 44.77
			75	0	23.02	20.67	< 44.77
141700	708.5	15	1	0	23.07	20.72	< 44.77
			1	1	22.94	20.59	< 44.77
			36	18	22.88	20.53	< 44.77
			75	0	22.93	20.58	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n66_EN-DC		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
342500	1712.5	5	1	0	23.02	24.49	< 30.00
			1	1	23.04	24.51	< 30.00
			12	6	23.08	24.55	< 30.00
			25	0	23.08	24.55	< 30.00
349000	1745.0	5	1	0	23.21	24.68	< 30.00
			1	1	22.91	24.38	< 30.00
			12	6	23.01	24.48	< 30.00
			25	0	23.08	24.55	< 30.00
355500	1777.5	5	1	0	22.96	24.43	< 30.00
			1	1	22.87	24.34	< 30.00
			12	6	22.99	24.46	< 30.00
			25	0	23.02	24.49	< 30.00
343000	1715.0	10	1	0	23.01	24.48	< 30.00
			1	1	23.14	24.61	< 30.00
			25	12	23.17	24.64	< 30.00
			50	0	23.09	24.56	< 30.00
349000	1745.0	10	1	0	22.96	24.43	< 30.00
			1	1	22.98	24.45	< 30.00
			25	12	23.00	24.47	< 30.00
			50	0	23.04	24.51	< 30.00
355000	1775.0	10	1	0	23.04	24.51	< 30.00
			1	1	23.06	24.53	< 30.00
			25	12	23.11	24.58	< 30.00
			50	0	22.97	24.44	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
343500	1717.5	15	1	0	23.06	24.53	< 30.00
			1	1	23.13	24.60	< 30.00
			36	18	23.11	24.58	< 30.00
			75	0	23.12	24.59	< 30.00
349000	1745.0	15	1	0	23.00	24.47	< 30.00
			1	1	23.06	24.53	< 30.00
			36	18	23.08	24.55	< 30.00
			75	0	23.07	24.54	< 30.00
354500	1772.5	15	1	0	22.96	24.43	< 30.00
			1	1	23.02	24.49	< 30.00
			36	18	22.94	24.41	< 30.00
			75	0	22.96	24.43	< 30.00
344000	1720.0	20	1	0	23.16	24.63	< 30.00
			1	1	23.08	24.55	< 30.00
			50	25	23.07	24.54	< 30.00
			100	0	23.12	24.59	< 30.00
349000	1745.0	20	1	0	23.18	24.65	< 30.00
			1	1	23.07	24.54	< 30.00
			50	25	22.94	24.41	< 30.00
			100	0	23.06	24.53	< 30.00
354000	1770.0	20	1	0	22.95	24.42	< 30.00
			1	1	22.92	24.39	< 30.00
			50	25	22.89	24.36	< 30.00
			100	0	23.03	24.50	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n71_EN-DC		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
133100	665.5	5	1	0	23.13	22.20	< 34.77
			1	1	23.18	22.25	< 34.77
			12	6	23.25	22.32	< 34.77
			25	0	23.16	22.23	< 34.77
136100	680.5	5	1	0	22.93	22.00	< 34.77
			1	1	23.04	22.11	< 34.77
			12	6	23.01	22.08	< 34.77
			25	0	23.04	22.11	< 34.77
139100	695.5	5	1	0	22.92	21.99	< 34.77
			1	1	22.89	21.96	< 34.77
			12	6	22.96	22.03	< 34.77
			25	0	22.91	21.98	< 34.77
133600	668.0	10	1	0	23.14	22.21	< 34.77
			1	1	23.17	22.24	< 34.77
			25	12	23.10	22.17	< 34.77
			50	0	23.06	22.13	< 34.77
136100	680.5	10	1	0	23.69	22.76	< 34.77
			1	1	23.71	22.78	< 34.77
			25	12	23.46	22.53	< 34.77
			50	0	23.37	22.44	< 34.77
138600	693.0	10	1	0	22.96	22.03	< 34.77
			1	1	22.94	22.01	< 34.77
			25	12	22.93	22.00	< 34.77
			50	0	22.94	22.01	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
PI/2 BPSK							
134100	670.5	15	1	0	23.25	22.32	< 34.77
			1	1	23.24	22.31	< 34.77
			36	18	23.12	22.19	< 34.77
			75	0	23.20	22.27	< 34.77
136100	680.5	15	1	0	23.04	22.11	< 34.77
			1	1	23.01	22.08	< 34.77
			36	18	23.00	22.07	< 34.77
			75	0	22.98	22.05	< 34.77
138100	690.5	15	1	0	23.13	22.20	< 34.77
			1	1	23.06	22.13	< 34.77
			36	18	22.89	21.96	< 34.77
			75	0	22.88	21.95	< 34.77
134600	673.0	20	1	0	23.22	22.29	< 34.77
			1	1	23.27	22.34	< 34.77
			50	25	23.05	22.12	< 34.77
			100	0	23.05	22.12	< 34.77
136100	680.5	20	1	0	23.12	22.19	< 34.77
			1	1	23.11	22.18	< 34.77
			50	25	23.05	22.12	< 34.77
			100	0	23.03	22.10	< 34.77
137600	688.0	20	1	0	23.05	22.12	< 34.77
			1	1	23.15	22.22	< 34.77
			50	25	22.93	22.00	< 34.77
			100	0	22.96	22.03	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2021/01/25 ~ 2021/02/24
Test Band	n41_EN-DC		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
501204	2506.02	20	1	0	22.48	23.26	< 33.01
			1	1	22.98	23.76	< 33.01
			25	12	22.93	23.71	< 33.01
			50	0	22.87	23.65	< 33.01
518598	2592.99	20	1	0	22.67	23.45	< 33.01
			1	1	23.17	23.95	< 33.01
			25	12	23.30	24.08	< 33.01
			50	0	23.32	24.10	< 33.01
535998	2679.99	20	1	0	22.57	23.35	< 33.01
			1	1	23.05	23.83	< 33.01
			25	12	22.93	23.71	< 33.01
			50	0	22.96	23.74	< 33.01
502200	2511.0	30	1	0	22.62	23.40	< 33.01
			1	1	23.07	23.85	< 33.01
			36	18	22.91	23.69	< 33.01
			75	0	22.93	23.71	< 33.01
518598	2592.99	30	1	0	22.99	23.77	< 33.01
			1	1	23.50	24.28	< 33.01
			36	18	23.50	24.28	< 33.01
			75	0	23.60	24.38	< 33.01
534996	2674.98	30	1	0	22.94	23.72	< 33.01
			1	1	23.39	24.17	< 33.01
			36	18	23.32	24.10	< 33.01
			75	0	23.39	24.17	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
503202	2516.01	40	1	0	22.55	23.33	< 33.01
			1	1	23.08	23.86	< 33.01
			50	25	23.01	23.79	< 33.01
			100	0	23.00	23.78	< 33.01
518598	2592.99	40	1	0	22.88	23.66	< 33.01
			1	1	23.43	24.21	< 33.01
			50	25	23.53	24.31	< 33.01
			100	0	23.53	24.31	< 33.01
534000	2670.0	40	1	0	23.06	23.84	< 33.01
			1	1	23.53	24.31	< 33.01
			50	25	23.39	24.17	< 33.01
			100	0	23.43	24.21	< 33.01
504204	2521.02	50	1	0	22.21	22.99	< 33.01
			1	1	22.73	23.51	< 33.01
			64	32	22.60	23.38	< 33.01
			128	0	22.65	23.43	< 33.01
518598	2592.99	50	1	0	22.59	23.37	< 33.01
			1	1	23.08	23.86	< 33.01
			64	32	23.18	23.96	< 33.01
			128	0	23.19	23.97	< 33.01
532998	2664.99	50	1	0	22.81	23.59	< 33.01
			1	1	23.26	24.04	< 33.01
			64	32	23.10	23.88	< 33.01
			128	0	23.08	23.86	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
505200	2526.0	60	1	0	22.08	22.86	< 33.01
			1	1	22.63	23.41	< 33.01
			81	40	22.74	23.52	< 33.01
			162	0	22.68	23.46	< 33.01
518598	2592.99	60	1	0	22.43	23.21	< 33.01
			1	1	22.96	23.74	< 33.01
			81	40	23.18	23.96	< 33.01
			162	0	23.24	24.02	< 33.01
531996	2659.98	60	1	0	22.74	23.52	< 33.01
			1	1	23.32	24.10	< 33.01
			81	40	23.14	23.92	< 33.01
			162	0	23.14	23.92	< 33.01
507204	2536.02	80	1	0	21.85	22.63	< 33.01
			1	1	22.32	23.10	< 33.01
			108	54	22.43	23.21	< 33.01
			216	0	22.39	23.17	< 33.01
518598	2592.99	80	1	0	22.23	23.01	< 33.01
			1	1	22.76	23.54	< 33.01
			108	54	22.84	23.62	< 33.01
			216	0	22.82	23.60	< 33.01
529998	2649.99	80	1	0	22.46	23.24	< 33.01
			1	1	23.05	23.83	< 33.01
			108	54	22.93	23.71	< 33.01
			216	0	22.90	23.68	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PI/2 BPSK							
509202	2546.01	100	1	0	21.72	22.50	< 33.01
			1	1	22.34	23.12	< 33.01
			135	67	22.41	23.19	< 33.01
			270	0	22.49	23.27	< 33.01
518598	2592.99	100	1	0	22.04	22.82	< 33.01
			1	1	22.71	23.49	< 33.01
			135	67	22.87	23.65	< 33.01
			270	0	22.86	23.64	< 33.01
528000	2640.0	100	1	0	22.14	22.92	< 33.01
			1	1	22.88	23.66	< 33.01
			135	67	22.92	23.70	< 33.01
			270	0	22.88	23.66	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

5.3. Conducted Spurious Emissions

5.3.1.Test Limit

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

For n7, n41 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 55 + 10 log(P) dB.

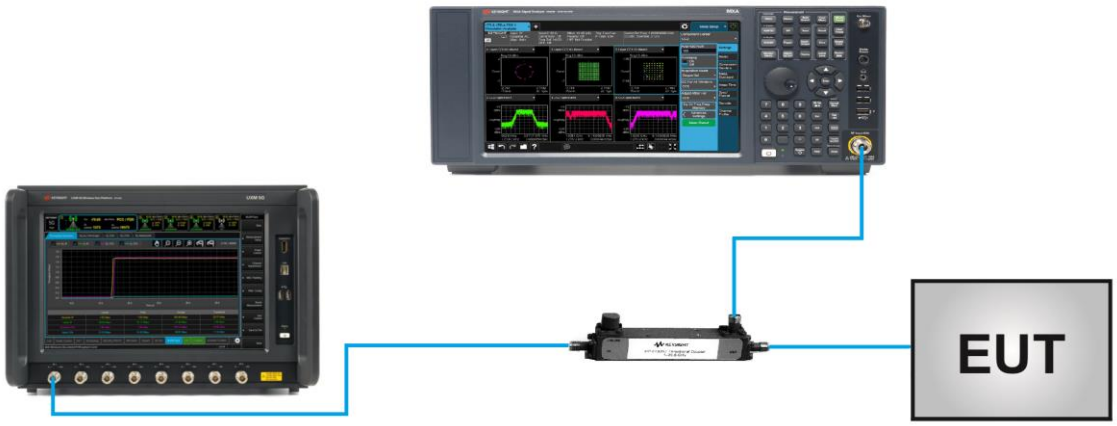
5.3.2.Test Procedure Used

ANSI C63.26-2015 - Section 5.7

5.3.3.Test Setting

1. Set the analyzer frequency to low, mid, high channel.
2. RBW = 1MHz
3. VBW ≥ 3*RBW
4. Sweep time = auto
5. Detector = power averaging (rms)
6. Set sweep trigger to “free run.”
7. User gate triggered such that the analyzer only sweeps when the device is transmitting at full power.
8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

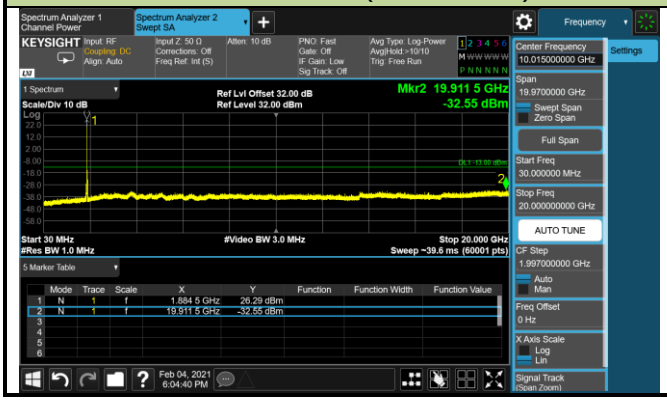
5.3.4.Test Setup



5.3.5.Test Result

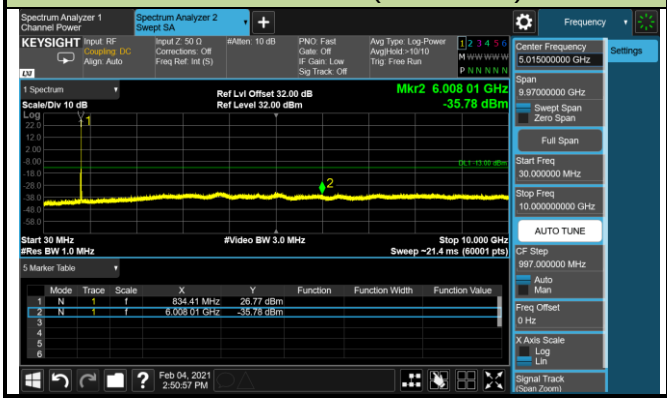
Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Edgar Ma	Test Date	2021/02/04
Test Band	n2/25_SA		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
376500	1882.5	5	30 ~ 20000	-32.55	≤ -13.00	Pass

5MHz Channel Bandwidth	
Channel 376500 (1882.5MHz)	
	

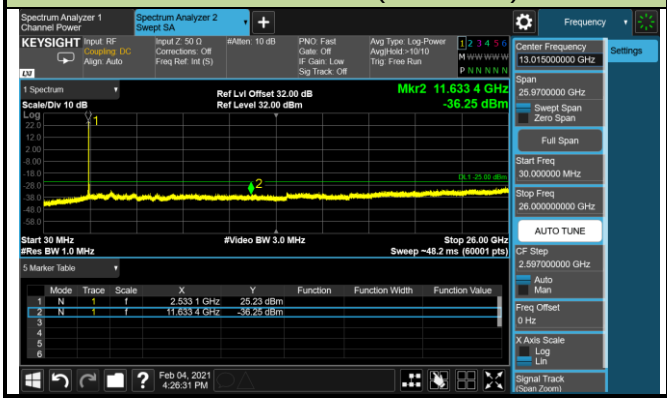
Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Edgar Ma	Test Date	2021/02/04
Test Band	n5_SA		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
167300	836.5	5	30 ~ 10000	-35.78	≤ -13.00	Pass

5MHz Channel Bandwidth	
Channel 167300 (836.5MHz)	
	

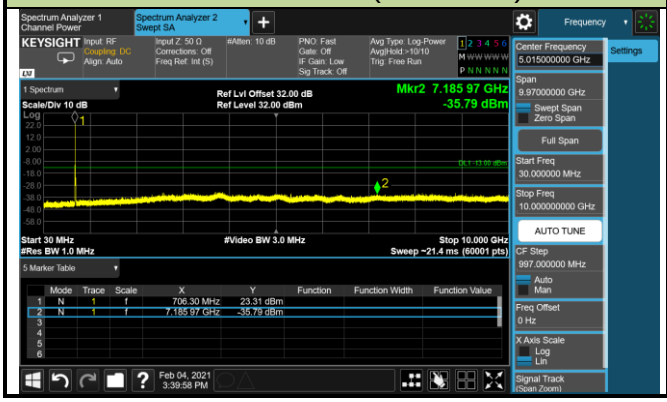
Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Edgar Ma	Test Date	2021/02/04
Test Band	n7_SA		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
507000	2535.0	5	30 ~ 26000	-36.25	≤ -25.00	Pass

5MHz Channel Bandwidth	
Channel 507000 (2535MHz)	
	

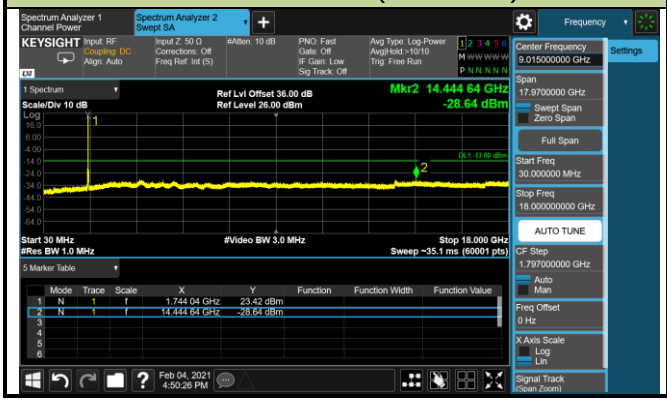
Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Edgar Ma	Test Date	2021/02/04
Test Band	n12_SA		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
141500	707.5	5	30 ~ 10000	-35.79	≤ -13.00	Pass

5MHz Channel Bandwidth	
Channel 141500 (707.5MHz)	
	

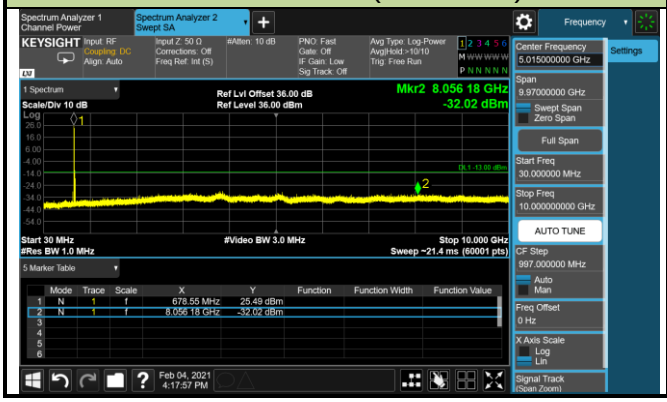
Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Edgar Ma	Test Date	2021/02/04
Test Band	n66_SA		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
349000	1745.0	5	30 ~ 20000	-28.64	≤ -13.00	Pass

5MHz Channel Bandwidth	
Channel 349000 (1745MHz)	
	

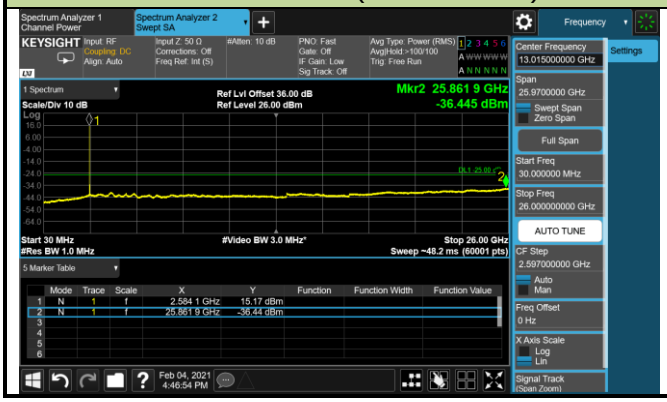
Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Edgar Ma	Test Date	2021/02/04
Test Band	n71_SA		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
136100	680.5	5	30 ~ 10000	-32.02	≤ -13.00	Pass

5MHz Channel Bandwidth	
Channel 136100 (680.5MHz)	
	

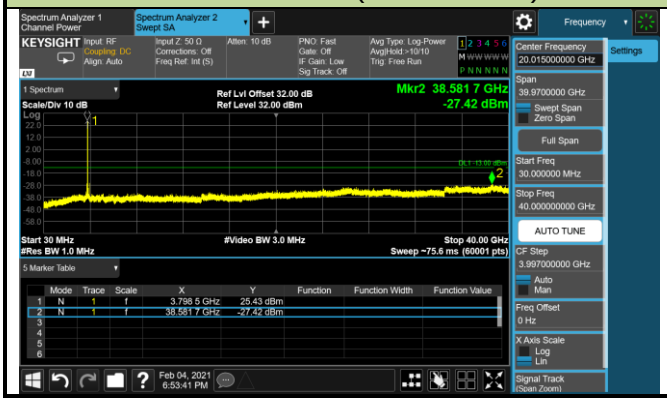
Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Edgar Ma	Test Date	2021/02/04
Test Band	n41_SA_HPUE		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
518598	2592.99	20	30 ~ 27000	-36.45	≤ -25.00	Pass

20MHz Channel Bandwidth	
Channel 518598 (2592.99MHz)	
	

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Edgar Ma	Test Date	2021/02/04
Test Band	n77_HPUE		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
750000	3750.00	100	30 ~ 40000	-27.42	≤ -13.00	Pass

100MHz Channel Bandwidth	
Channel 750000 (3864.99MHz)	
	

6. CONCLUSION

The data collected relate only the item(s) tested and show that unit is compliance with FCC Rules.

The End

Appendix A - Test Setup Photograph

Refer to “2101RSU006-UT” file.

Appendix B - EUT Photograph

Refer to “2101RSU006-UE” file.

Appendix C - Reference Test Report