

5.8. Radiated Spurious Emissions Measurements

5.8.1. Test Limit

Out of band emissions: 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. The emission limit equal to -13dBm.

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. The emission limit equal to -25dBm.

E (dB μ V/m) = EIRP (dBm) - $20 \log D$ + 104.8; where D is the measurement distance in meters. The emission limit equal to 82.3dB μ V/m or 70.3dB μ V/m.

5.8.2. Test Procedure Used

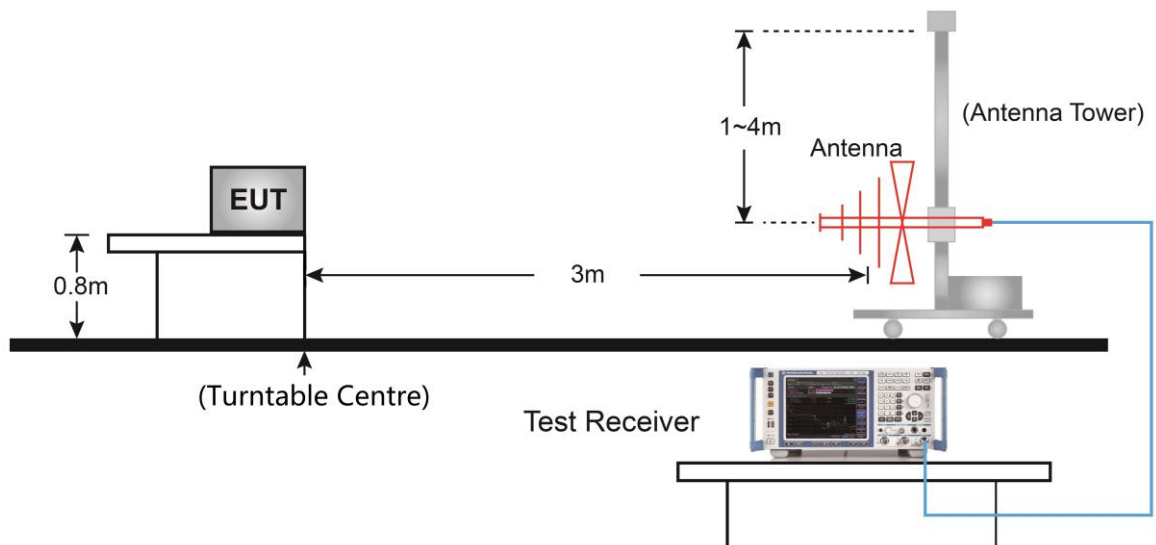
ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.8.3. Test Setting

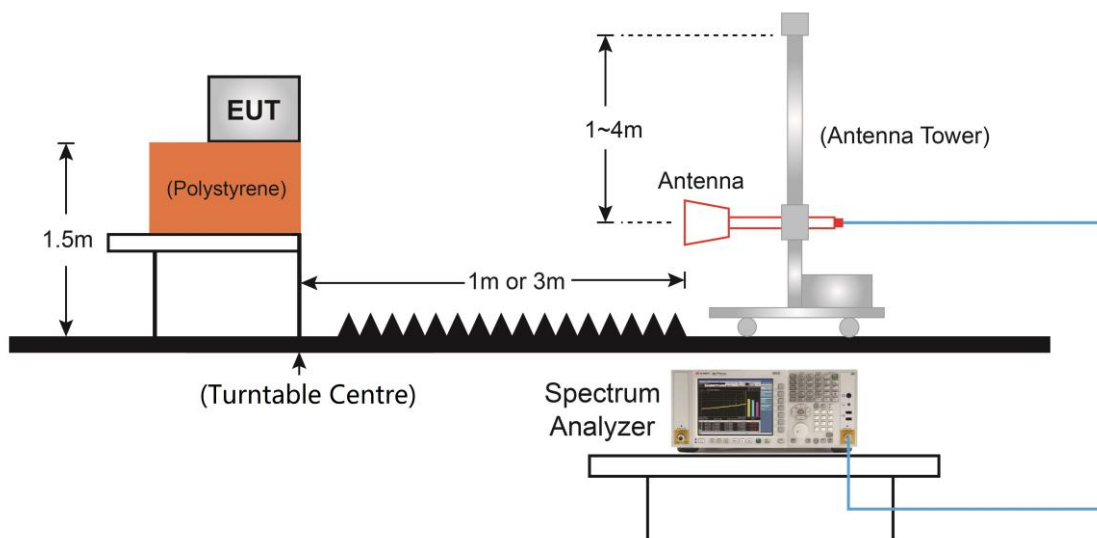
1. RBW = 1MHz
2. VBW \geq 3*RBW
3. Sweep time \geq $10 \times$ (number of points in sweep) \times (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

5.8.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.8.5. Test Result

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/25
Test Band	n2/25_SA, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
337.0	4.5	22.3	26.8	82.3	-55.5	Peak	Horizontal
556.7	4.3	26.3	30.6	82.3	-51.7	Peak	Horizontal
35.3	22.7	18.2	40.9	82.3	-41.4	Peak	Vertical
160.0	12.2	15.8	28.0	82.3	-54.3	Peak	Vertical
3703.0	43.7	0.0	43.7	82.3	-38.6	Peak	Horizontal
7094.5	33.6	10.2	43.8	82.3	-38.5	Peak	Horizontal
3703.0	41.7	0.0	41.7	82.3	-40.6	Peak	Vertical
7536.5	34.6	10.6	45.2	82.3	-37.1	Peak	Vertical
Middle Channel							
48.4	2.1	20.6	22.7	82.3	-59.6	Peak	Horizontal
160.0	6.5	15.8	22.3	82.3	-60.0	Peak	Horizontal
33.4	24.8	17.7	42.5	82.3	-39.8	Peak	Vertical
160.0	12.4	15.8	28.2	82.3	-54.1	Peak	Vertical
3601.0	36.7	0.1	36.8	82.3	-45.5	Peak	Horizontal
4561.5	36.5	2.8	39.3	82.3	-43.0	Peak	Horizontal
3941.0	37.8	0.5	38.3	82.3	-44.0	Peak	Vertical
5930.0	34.5	5.1	39.6	82.3	-42.7	Peak	Vertical
High Channel							
47.0	4.2	20.6	24.8	82.3	-57.5	Peak	Horizontal
231.8	3.9	19.6	23.5	82.3	-58.8	Peak	Horizontal
34.9	23.4	18.1	41.5	82.3	-40.8	Peak	Vertical
53.3	10.2	20.4	30.6	82.3	-51.7	Peak	Vertical
4570.0	35.8	3.0	38.8	82.3	-43.5	Peak	Horizontal
7834.0	34.7	10.5	45.2	82.3	-37.1	Peak	Horizontal
4774.0	35.7	3.3	39.0	82.3	-43.3	Peak	Vertical
6771.5	33.8	7.9	41.7	82.3	-40.6	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/25
Test Band	n5_SA, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
334.6	3.5	22.2	25.7	82.3	-56.6	Peak	Horizontal
474.7	4.4	24.8	29.2	82.3	-53.1	Peak	Horizontal
34.4	24.8	17.9	42.7	82.3	-39.6	Peak	Vertical
486.4	4.2	25.2	29.4	82.3	-52.9	Peak	Vertical
1756.5	47.9	-4.6	43.3	82.3	-39.0	Peak	Horizontal
2428.0	39.0	-1.5	37.5	82.3	-44.8	Peak	Horizontal
1671.5	43.1	-4.9	38.2	82.3	-44.1	Peak	Vertical
2802.0	40.2	-1.3	38.9	82.3	-43.4	Peak	Vertical
Middle Channel							
50.4	2.5	20.7	23.2	82.3	-59.1	Peak	Horizontal
100.8	3.9	18.6	22.5	82.3	-59.8	Peak	Horizontal
34.9	23.2	18.1	41.3	82.3	-41.0	Peak	Vertical
107.1	2.4	18.5	20.9	82.3	-61.4	Peak	Vertical
1663.0	43.4	-4.9	38.5	82.3	-43.8	Peak	Horizontal
2878.5	39.4	-1.3	38.1	82.3	-44.2	Peak	Horizontal
1663.0	43.7	-4.9	38.8	82.3	-43.5	Peak	Vertical
3167.5	39.2	-0.7	38.5	82.3	-43.8	Peak	Vertical
High Channel							
392.3	4.9	23.5	28.4	82.3	-53.9	Peak	Horizontal
527.6	4.6	25.6	30.2	82.3	-52.1	Peak	Horizontal
34.4	23.2	17.9	41.1	82.3	-41.2	Peak	Vertical
350.1	3.4	23.0	26.4	82.3	-55.9	Peak	Vertical
1663.0	45.6	-4.9	40.7	82.3	-41.6	Peak	Horizontal
3176.0	40.0	-0.8	39.2	82.3	-43.1	Peak	Horizontal
1671.5	46.6	-4.9	41.7	82.3	-40.6	Peak	Vertical
2419.5	38.5	-1.3	37.2	82.3	-45.1	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/25
Test Band	n7_SA, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
54.3	4.1	20.3	24.4	70.3	-45.9	Peak	Horizontal
160.0	6.4	15.8	22.2	70.3	-48.1	Peak	Horizontal
34.4	22.0	17.9	39.9	70.3	-30.4	Peak	Vertical
329.2	4.4	22.0	26.4	70.3	-43.9	Peak	Vertical
3550.0	37.0	0.3	37.3	70.3	-33.0	Peak	Horizontal
5063.0	35.0	3.8	38.8	70.3	-31.5	Peak	Horizontal
4561.5	36.4	2.8	39.2	70.3	-31.1	Peak	Vertical
6083.0	35.0	6.1	41.1	70.3	-29.2	Peak	Vertical
Middle Channel							
52.3	4.5	20.6	25.1	70.3	-45.2	Peak	Horizontal
412.2	4.7	23.9	28.6	70.3	-41.7	Peak	Horizontal
34.9	22.8	18.1	40.9	70.3	-29.4	Peak	Vertical
160.0	11.5	15.8	27.3	70.3	-43.0	Peak	Vertical
3924.0	37.5	0.4	37.9	70.3	-32.4	Peak	Horizontal
5054.5	35.5	3.8	39.3	70.3	-31.0	Peak	Horizontal
5054.5	35.8	3.8	39.6	70.3	-30.7	Peak	Vertical
7681.0	33.6	10.8	44.4	70.3	-25.9	Peak	Vertical
High Channel							
54.3	3.6	20.3	23.9	70.3	-46.4	Peak	Horizontal
284.1	3.9	20.8	24.7	70.3	-45.6	Peak	Horizontal
35.3	21.9	18.2	40.1	70.3	-30.2	Peak	Vertical
160.0	10.1	15.8	25.9	70.3	-44.4	Peak	Vertical
3439.5	36.6	-0.4	36.2	70.3	-34.1	Peak	Horizontal
4315.0	37.3	1.8	39.1	70.3	-31.2	Peak	Horizontal
4706.0	35.5	3.5	39.0	70.3	-31.3	Peak	Vertical
8650.0	33.8	11.7	45.5	70.3	-24.8	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/25
Test Band	n12_SA, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
96.9	15.0	18.2	33.2	82.3	-49.1	Peak	Horizontal
196.8	13.7	19.1	32.8	82.3	-49.5	Peak	Horizontal
33.9	23.9	17.8	41.7	82.3	-40.6	Peak	Vertical
51.8	14.7	20.6	35.3	82.3	-47.0	Peak	Vertical
1408.0	43.9	-4.3	39.6	82.3	-42.7	Peak	Horizontal
2207.0	38.6	-0.9	37.7	82.3	-44.6	Peak	Horizontal
1408.0	46.1	-4.3	41.8	82.3	-40.5	Peak	Vertical
2343.0	38.2	-1.0	37.2	82.3	-45.1	Peak	Vertical
Middle Channel							
47.5	14.6	20.6	35.2	82.3	-47.1	Peak	Horizontal
355.9	14.7	22.3	37.0	82.3	-45.3	Peak	Horizontal
35.8	22.3	18.3	40.6	82.3	-41.7	Peak	Vertical
884.1	16.3	31.3	47.6	82.3	-34.7	Peak	Vertical
1408.0	45.9	-4.3	41.6	82.3	-40.7	Peak	Horizontal
3252.5	39.6	-0.9	38.7	82.3	-43.6	Peak	Horizontal
1408.0	41.5	-4.3	37.2	82.3	-45.1	Peak	Vertical
2802.0	38.4	-1.3	37.1	82.3	-45.2	Peak	Vertical
High Channel							
344.8	15.0	22.8	37.8	82.3	-44.5	Peak	Horizontal
468.9	16.1	24.7	40.8	82.3	-41.5	Peak	Horizontal
33.9	23.2	17.8	41.0	82.3	-41.3	Peak	Vertical
513.5	15.3	25.4	40.7	82.3	-41.6	Peak	Vertical
1399.5	46.8	-4.2	42.6	82.3	-39.7	Peak	Horizontal
2479.0	37.6	-1.6	36.0	82.3	-46.3	Peak	Horizontal
1408.0	47.1	-4.3	42.8	82.3	-39.5	Peak	Vertical
2479.0	39.0	-1.6	37.4	82.3	-44.9	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/25
Test Band	n66_SA, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
49.9	2.6	20.7	23.3	82.3	-59.0	Peak	Horizontal
344.3	4.7	22.7	27.4	82.3	-54.9	Peak	Horizontal
33.4	21.0	17.7	38.7	82.3	-43.6	Peak	Vertical
408.8	4.7	23.9	28.6	82.3	-53.7	Peak	Vertical
3431.0	42.0	-0.6	41.4	82.3	-40.9	Peak	Horizontal
4221.5	38.7	1.4	40.1	82.3	-42.2	Peak	Horizontal
3422.5	46.5	-0.8	45.7	82.3	-36.6	Peak	Vertical
3881.5	38.3	0.5	38.8	82.3	-43.5	Peak	Vertical
Bottom Channel							
52.8	3.6	20.5	24.1	82.3	-58.2	Peak	Horizontal
381.1	4.3	23.0	27.3	82.3	-55.0	Peak	Horizontal
34.9	23.1	18.1	41.2	82.3	-41.1	Peak	Vertical
53.8	8.5	20.4	28.9	82.3	-53.4	Peak	Vertical
4289.5	36.6	1.9	38.5	82.3	-43.8	Peak	Horizontal
5658.0	35.6	4.3	39.9	82.3	-42.4	Peak	Horizontal
5063.0	36.0	3.8	39.8	82.3	-42.5	Peak	Vertical
6210.5	35.0	5.7	40.7	82.3	-41.6	Peak	Vertical
High Channel							
52.8	3.1	20.5	23.6	82.3	-58.7	Peak	Horizontal
106.6	3.2	18.5	21.7	82.3	-60.6	Peak	Horizontal
34.9	23.0	18.1	41.1	82.3	-41.2	Peak	Vertical
52.8	10.9	20.5	31.4	82.3	-50.9	Peak	Vertical
3550.0	43.0	0.3	43.3	82.3	-39.0	Peak	Horizontal
7205.0	33.0	10.7	43.7	82.3	-38.6	Peak	Horizontal
3550.0	39.5	0.3	39.8	82.3	-42.5	Peak	Vertical
10426.5	32.6	15.3	47.9	82.3	-34.4	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/25
Test Band	n71_SA, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
430.1	15.3	23.9	39.2	82.3	-43.1	Peak	Horizontal
513.1	16.4	25.4	41.8	82.3	-40.5	Peak	Horizontal
33.4	23.2	17.7	40.9	82.3	-41.4	Peak	Vertical
476.7	15.7	24.9	40.6	82.3	-41.7	Peak	Vertical
1331.5	44.4	-3.9	40.5	82.3	-41.8	Peak	Horizontal
7094.5	33.6	10.2	43.8	82.3	-38.5	Peak	Horizontal
1331.5	48.6	-3.9	44.7	82.3	-37.6	Peak	Vertical
1986.0	45.9	-3.7	42.2	82.3	-40.1	Peak	Vertical
Middle Channel							
54.3	13.8	20.3	34.1	82.3	-48.2	Peak	Horizontal
334.1	15.2	22.2	37.4	82.3	-44.9	Peak	Horizontal
34.9	23.6	18.1	41.7	82.3	-40.6	Peak	Vertical
350.1	15.3	23.0	38.3	82.3	-44.0	Peak	Vertical
1357.0	44.5	-3.6	40.9	82.3	-41.4	Peak	Horizontal
2190.0	38.6	-1.1	37.5	82.3	-44.8	Peak	Horizontal
1357.0	46.3	-3.6	42.7	82.3	-39.6	Peak	Vertical
2028.5	43.0	-3.3	39.7	82.3	-42.6	Peak	Vertical
High Channel							
48.9	12.8	20.7	33.5	82.3	-48.8	Peak	Horizontal
423.8	15.5	23.9	39.4	82.3	-42.9	Peak	Horizontal
34.9	23.2	18.1	41.3	82.3	-41.0	Peak	Vertical
54.7	14.7	20.2	34.9	82.3	-47.4	Peak	Vertical
1382.5	45.1	-3.9	41.2	82.3	-41.1	Peak	Horizontal
1748.0	42.8	-4.7	38.1	82.3	-44.2	Peak	Horizontal
1382.5	53.8	-3.9	49.9	82.3	-32.4	Peak	Vertical
2062.5	40.2	-2.9	37.3	82.3	-45.0	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/25
Test Band	n41_SA_HPUE, 20MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
48.0	2.7	20.6	23.3	70.3	-47.0	Peak	Horizontal
699.3	4.0	28.7	32.7	70.3	-37.6	Peak	Horizontal
54.3	8.9	20.3	29.2	70.3	-41.1	Peak	Vertical
444.7	4.7	24.1	28.7	70.3	-41.6	Peak	Vertical
5428.5	35.2	3.6	38.8	70.3	-31.5	Peak	Horizontal
9636.0	34.4	13.0	47.3	70.3	-23.0	Peak	Horizontal
6363.5	32.2	6.5	38.6	70.3	-31.7	Peak	Vertical
10775.0	32.3	16.4	48.7	70.3	-21.6	Peak	Vertical
Middle Channel							
48.9	3.3	20.7	23.9	70.3	-46.4	Peak	Horizontal
746.4	3.5	29.5	33.0	70.3	-37.3	Peak	Horizontal
34.9	21.8	18.1	39.8	70.3	-30.5	Peak	Vertical
600.9	4.5	27.4	31.9	70.3	-38.4	Peak	Vertical
4995.0	34.5	3.1	37.5	70.3	-32.8	Peak	Horizontal
9746.5	33.8	13.3	47.1	70.3	-23.2	Peak	Horizontal
6652.5	34.8	7.7	42.4	70.3	-27.9	Peak	Vertical
11701.5	31.1	18.4	49.5	70.3	-20.8	Peak	Vertical
High Channel							
47.0	4.2	20.6	24.8	70.3	-45.5	Peak	Horizontal
535.4	3.6	25.8	29.4	70.3	-40.9	Peak	Horizontal
37.3	17.4	18.7	36.0	70.3	-34.3	Peak	Vertical
630.0	4.5	27.3	31.8	70.3	-38.5	Peak	Vertical
5046.0	35.4	3.7	39.1	70.3	-31.2	Peak	Horizontal
7681.0	33.7	10.8	44.5	70.3	-25.8	Peak	Horizontal
5114.0	35.8	3.6	39.4	70.3	-30.9	Peak	Vertical
10758.0	32.6	16.1	48.7	70.3	-21.6	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/11/25
Test Band	n41_MIMO_HPUE, 20MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
308.9	29.5	21.1	50.6	70.3	-19.7	Peak	Horizontal
349.6	26.3	23.0	49.3	70.3	-21.1	Peak	Horizontal
187.6	21.8	17.7	39.5	70.3	-30.8	Peak	Vertical
309.9	30.2	21.2	51.4	70.3	-18.9	Peak	Vertical
10537.0	33.4	15.7	49.1	70.3	-21.2	Peak	Horizontal
13835.0	30.5	22.3	52.8	70.3	-17.6	Peak	Horizontal
7978.5	33.5	11.2	44.7	70.3	-25.6	Peak	Vertical
13835.0	30.4	22.3	52.7	70.3	-17.7	Peak	Vertical
Middle Channel							
306.5	30.6	21.1	51.7	70.3	-18.6	Peak	Horizontal
351.6	28.6	22.9	51.5	70.3	-18.8	Peak	Horizontal
298.2	29.3	21.0	50.3	70.3	-20.0	Peak	Vertical
347.2	24.3	22.9	47.2	70.3	-23.1	Peak	Vertical
7230.5	33.7	11.0	44.7	70.3	-25.6	Peak	Horizontal
12211.5	31.5	18.6	50.1	70.3	-20.2	Peak	Horizontal
7222.0	33.4	11.2	44.6	70.3	-25.7	Peak	Vertical
13937.0	31.0	22.3	53.3	70.3	-17.0	Peak	Vertical
High Channel							
306.5	30.7	21.1	51.8	70.3	-18.5	Peak	Horizontal
352.5	29.0	22.8	51.8	70.3	-18.6	Peak	Horizontal
252.6	26.6	20.1	46.7	70.3	-23.6	Peak	Vertical
305.0	29.8	21.0	50.8	70.3	-19.5	Peak	Vertical
7213.5	34.0	11.0	45.0	70.3	-25.3	Peak	Horizontal
13826.5	31.5	21.8	53.3	70.3	-17.0	Peak	Horizontal
7579.0	33.4	11.0	44.4	70.3	-25.9	Peak	Vertical
13724.5	33.7	19.6	53.3	70.3	-17.0	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/25
Test Band	n77_SA_HPUE, 100MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
58.1	4.4	19.8	24.2	82.3	-58.1	Peak	Horizontal
334.6	4.9	22.2	27.1	82.3	-55.2	Peak	Horizontal
34.9	23.1	18.1	41.2	82.3	-41.1	Peak	Vertical
417.0	7.4	23.9	31.3	82.3	-51.0	Peak	Vertical
8182.5	34.1	10.9	45.0	82.3	-37.3	Peak	Horizontal
10545.5	32.8	15.6	48.4	82.3	-33.9	Peak	Horizontal
7647.0	32.9	10.6	43.5	82.3	-38.8	Peak	Vertical
9619.0	33.7	13.3	47.0	82.3	-35.3	Peak	Vertical
Middle Channel							
58.6	3.7	19.7	23.4	82.3	-58.9	Peak	Horizontal
331.2	6.4	22.1	28.5	82.3	-53.8	Peak	Horizontal
35.3	22.7	18.2	40.9	82.3	-41.4	Peak	Vertical
413.6	5.3	23.9	29.2	82.3	-53.1	Peak	Vertical
9228.0	32.7	13.2	45.9	82.3	-36.4	Peak	Horizontal
11642.0	31.5	17.7	49.2	82.3	-33.1	Peak	Horizontal
7562.0	33.7	10.7	44.4	82.3	-37.9	Peak	Vertical
9253.5	32.9	13.5	46.4	82.3	-35.9	Peak	Vertical
High Channel							
53.8	4.1	20.4	24.5	82.3	-57.8	Peak	Horizontal
326.8	5.1	21.9	27.0	82.3	-55.3	Peak	Horizontal
34.4	22.4	17.9	40.3	82.3	-42.0	Peak	Vertical
53.8	8.9	20.4	29.3	82.3	-53.0	Peak	Vertical
7604.5	33.9	10.7	44.6	82.3	-37.7	Peak	Horizontal
10503.0	33.3	15.4	48.7	82.3	-33.6	Peak	Horizontal
6797.0	34.8	8.2	43.0	82.3	-39.3	Peak	Vertical
8063.5	33.7	11.4	45.1	82.3	-37.2	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/27
Test Band	n2/25_EN-DC, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
102.8	4.1	18.6	22.7	82.3	-59.6	Peak	Horizontal
337.5	3.5	22.4	25.9	82.3	-56.4	Peak	Horizontal
49.4	2.1	20.7	22.8	82.3	-59.5	Peak	Vertical
105.7	3.4	18.5	21.9	82.3	-60.4	Peak	Vertical
5173.5	35.4	3.7	39.1	82.3	-43.2	Peak	Horizontal
6703.5	34.2	8.2	42.4	82.3	-39.9	Peak	Horizontal
6389.0	33.8	6.5	40.3	82.3	-42.0	Peak	Vertical
7655.5	33.7	10.6	44.3	82.3	-38.0	Peak	Vertical
Middle Channel							
344.8	3.1	22.8	25.9	82.3	-56.4	Peak	Horizontal
548.0	3.6	26.1	29.7	82.3	-52.6	Peak	Horizontal
47.5	3.2	20.6	23.8	82.3	-58.5	Peak	Vertical
99.4	2.9	18.6	21.5	82.3	-60.8	Peak	Vertical
7205.0	33.0	10.7	43.7	82.3	-38.6	Peak	Horizontal
9168.5	33.2	12.9	46.1	82.3	-36.2	Peak	Horizontal
5505.0	36.5	3.3	39.8	82.3	-42.5	Peak	Vertical
7477.0	34.2	10.6	44.8	82.3	-37.5	Peak	Vertical
High Channel							
260.9	4.5	20.4	24.9	82.3	-57.4	Peak	Horizontal
412.7	3.8	23.9	27.7	82.3	-54.6	Peak	Horizontal
479.1	3.9	24.9	28.8	82.3	-53.5	Peak	Vertical
720.2	4.1	28.9	33.0	82.3	-49.3	Peak	Vertical
5063.0	35.5	3.8	39.3	82.3	-43.0	Peak	Horizontal
7086.0	33.5	10.4	43.9	82.3	-38.4	Peak	Horizontal
7638.5	34.4	10.6	45.0	82.3	-37.3	Peak	Vertical
9143.0	33.2	13.0	46.2	82.3	-36.1	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/27
Test Band	n5_EN-DC, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
330.2	4.3	22.0	26.3	82.3	-56.0	Peak	Horizontal
580.5	4.1	27.0	31.1	82.3	-51.2	Peak	Horizontal
339.9	4.2	22.5	26.7	82.3	-55.6	Peak	Vertical
453.9	4.1	24.3	28.4	82.3	-53.9	Peak	Vertical
4017.5	35.3	1.2	36.5	82.3	-45.8	Peak	Horizontal
5802.5	34.5	4.7	39.2	82.3	-43.1	Peak	Horizontal
3788.0	37.1	0.6	37.7	82.3	-44.6	Peak	Vertical
4570.0	36.1	3.0	39.1	82.3	-43.2	Peak	Vertical
Middle Channel							
368.5	4.5	22.5	27.0	82.3	-55.3	Peak	Horizontal
587.8	3.6	27.3	30.9	82.3	-51.4	Peak	Horizontal
299.2	4.1	21.0	25.1	82.3	-57.2	Peak	Vertical
586.3	3.7	27.3	31.0	82.3	-51.3	Peak	Vertical
4162.0	36.8	1.5	38.3	82.3	-44.0	Peak	Horizontal
5522.0	37.0	3.9	40.9	82.3	-41.4	Peak	Horizontal
4536.0	36.0	2.6	38.6	82.3	-43.7	Peak	Vertical
6924.5	33.6	8.8	42.4	82.3	-39.9	Peak	Vertical
High Channel							
284.1	3.9	20.8	24.7	82.3	-57.6	Peak	Horizontal
476.2	4.4	24.9	29.3	82.3	-53.0	Peak	Horizontal
410.2	4.1	23.9	28.0	82.3	-54.3	Peak	Vertical
583.9	3.8	27.1	30.9	82.3	-51.4	Peak	Vertical
5080.0	35.3	3.4	38.7	82.3	-43.6	Peak	Horizontal
6380.5	34.6	6.4	41.0	82.3	-41.3	Peak	Horizontal
4527.5	35.7	2.6	38.3	82.3	-44.0	Peak	Vertical
5479.5	36.6	3.4	40.0	82.3	-42.3	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/27
Test Band	n7_EN-DC, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
54.3	2.8	20.3	23.1	70.3	-47.2	Peak	Horizontal
580.5	3.9	27.0	30.9	70.3	-39.4	Peak	Horizontal
48.9	3.7	20.7	24.4	70.3	-45.9	Peak	Vertical
487.8	4.7	25.2	29.9	70.3	-40.4	Peak	Vertical
3949.5	37.1	0.5	37.6	70.3	-32.7	Peak	Horizontal
5029.0	36.5	3.7	40.2	70.3	-30.1	Peak	Horizontal
3584.0	37.5	-0.1	37.4	70.3	-32.9	Peak	Vertical
4570.0	35.9	3.0	38.9	70.3	-31.4	Peak	Vertical
Middle Channel							
59.6	3.7	19.4	23.1	70.3	-47.2	Peak	Horizontal
405.9	3.9	23.8	27.7	70.3	-42.6	Peak	Horizontal
49.9	3.1	20.7	23.8	70.3	-46.5	Peak	Vertical
105.2	3.4	18.6	22.0	70.3	-48.3	Peak	Vertical
4561.5	35.3	2.8	38.1	70.3	-32.2	Peak	Horizontal
5522.0	35.5	3.9	39.4	70.3	-30.9	Peak	Horizontal
4017.5	36.3	1.2	37.5	70.3	-32.8	Peak	Vertical
4782.5	36.1	3.4	39.5	70.3	-30.8	Peak	Vertical
High Channel							
483.5	5.6	25.1	30.7	70.3	-39.6	Peak	Horizontal
719.7	4.6	28.9	33.5	70.3	-36.8	Peak	Horizontal
325.9	4.2	21.9	26.1	70.3	-44.2	Peak	Vertical
612.5	3.9	27.5	31.4	70.3	-38.9	Peak	Vertical
4332.0	37.3	1.7	39.0	70.3	-31.3	Peak	Horizontal
5046.0	36.1	3.7	39.8	70.3	-30.5	Peak	Horizontal
7485.5	34.4	10.7	45.1	70.3	-25.2	Peak	Vertical
8607.5	33.1	11.7	44.8	70.3	-25.5	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/27
Test Band	n12_EN-DC, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
394.7	14.6	23.6	38.2	82.3	-44.1	Peak	Horizontal
485.4	14.8	25.2	40.0	82.3	-42.3	Peak	Horizontal
387.4	15.3	23.3	38.6	82.3	-43.7	Peak	Vertical
617.8	15.6	27.5	43.1	82.3	-39.2	Peak	Vertical
5105.5	35.7	3.5	39.2	82.3	-43.1	Peak	Horizontal
7103.0	32.9	10.2	43.1	82.3	-39.2	Peak	Horizontal
4000.5	37.3	0.8	38.1	82.3	-44.2	Peak	Vertical
5037.5	35.0	3.7	38.7	82.3	-43.6	Peak	Vertical
Middle Channel							
387.4	15.3	23.3	38.6	82.3	-43.7	Peak	Horizontal
486.9	15.3	25.2	40.5	82.3	-41.8	Peak	Horizontal
32.9	22.9	17.6	40.5	82.3	-41.8	Peak	Vertical
478.1	15.0	24.9	39.9	82.3	-42.4	Peak	Vertical
4570.0	36.7	3.0	39.7	82.3	-42.6	Peak	Horizontal
6074.5	34.1	5.8	39.9	82.3	-42.4	Peak	Horizontal
3890.0	37.1	0.7	37.8	82.3	-44.5	Peak	Vertical
6771.5	34.3	7.9	42.2	82.3	-40.1	Peak	Vertical
High Channel							
56.2	13.9	20.1	34.0	82.3	-48.3	Peak	Horizontal
476.2	12.8	24.9	37.7	82.3	-44.6	Peak	Horizontal
33.4	22.6	17.7	40.3	82.3	-42.0	Peak	Vertical
491.7	15.7	25.3	41.0	82.3	-41.3	Peak	Vertical
4578.5	36.5	2.8	39.3	82.3	-43.0	Peak	Horizontal
7069.0	33.9	10.0	43.9	82.3	-38.4	Peak	Horizontal
6720.5	33.7	8.1	41.8	82.3	-40.5	Peak	Vertical
7681.0	33.0	10.8	43.8	82.3	-38.5	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/27
Test Band	n66_EN-DC, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
410.2	4.3	23.9	28.2	82.3	-54.1	Peak	Horizontal
691.1	3.7	28.7	32.4	82.3	-49.9	Peak	Horizontal
51.3	2.9	20.7	23.6	82.3	-58.7	Peak	Vertical
575.1	3.7	26.7	30.4	82.3	-51.9	Peak	Vertical
4281.0	37.2	1.8	39.0	82.3	-43.3	Peak	Horizontal
6703.5	34.1	8.2	42.3	82.3	-40.0	Peak	Horizontal
4604.0	35.8	2.6	38.4	82.3	-43.9	Peak	Vertical
6822.5	33.6	8.2	41.8	82.3	-40.5	Peak	Vertical
Middle Channel							
298.2	4.6	21.0	25.6	82.3	-56.7	Peak	Horizontal
549.4	3.6	26.1	29.7	82.3	-52.6	Peak	Horizontal
483.0	4.2	25.1	29.3	82.3	-53.0	Peak	Vertical
582.4	3.8	27.1	30.9	82.3	-51.4	Peak	Vertical
4026.0	37.8	1.1	38.9	82.3	-43.4	Peak	Horizontal
8514.0	34.9	11.0	45.9	82.3	-36.4	Peak	Horizontal
3405.5	38.1	-0.2	37.9	82.3	-44.4	Peak	Vertical
7647.0	33.5	10.6	44.1	82.3	-38.2	Peak	Vertical
High Channel							
483.0	4.2	25.1	29.3	82.3	-53.0	Peak	Horizontal
582.4	3.8	27.1	30.9	82.3	-51.4	Peak	Horizontal
579.5	4.2	26.9	31.1	82.3	-51.2	Peak	Vertical
688.1	4.1	28.6	32.7	82.3	-49.6	Peak	Vertical
4536.0	36.4	2.6	39.0	82.3	-43.3	Peak	Horizontal
6015.0	34.1	5.5	39.6	82.3	-42.7	Peak	Horizontal
3949.5	37.1	0.5	37.6	82.3	-44.7	Peak	Vertical
5148.0	35.3	3.5	38.8	82.3	-43.5	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/27
Test Band	n71_EN-DC, 5MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
350.1	14.6	23.0	37.6	82.3	-44.7	Peak	Horizontal
494.1	15.7	25.3	41.0	82.3	-41.3	Peak	Horizontal
33.4	22.0	17.7	39.7	82.3	-42.6	Peak	Vertical
491.7	16.2	25.3	41.5	82.3	-40.8	Peak	Vertical
5029.0	35.0	3.7	38.7	82.3	-43.6	Peak	Horizontal
6015.0	35.3	5.5	40.8	82.3	-41.5	Peak	Horizontal
4026.0	38.0	1.1	39.1	82.3	-43.2	Peak	Vertical
5734.5	34.2	4.4	38.6	82.3	-43.7	Peak	Vertical
Middle Channel							
403.5	14.9	23.8	38.7	82.3	-43.6	Peak	Horizontal
471.4	14.9	24.7	39.6	82.3	-42.7	Peak	Horizontal
270.1	14.6	20.4	35.0	82.3	-47.3	Peak	Vertical
417.0	15.1	23.9	39.0	82.3	-43.3	Peak	Vertical
4544.5	35.5	2.7	38.2	82.3	-44.1	Peak	Horizontal
6720.5	34.4	8.1	42.5	82.3	-39.8	Peak	Horizontal
4561.5	35.9	2.8	38.7	82.3	-43.6	Peak	Vertical
6329.5	35.0	6.2	41.2	82.3	-41.1	Peak	Vertical
High Channel							
32.9	22.5	17.6	40.1	82.3	-42.2	Peak	Horizontal
481.1	15.0	25.0	40.0	82.3	-42.3	Peak	Horizontal
33.9	22.5	17.8	40.3	82.3	-42.0	Peak	Vertical
354.0	15.3	22.6	37.9	82.3	-44.4	Peak	Vertical
3932.5	36.9	0.4	37.3	82.3	-45.0	Peak	Horizontal
6788.5	35.4	8.0	43.4	82.3	-38.9	Peak	Horizontal
7086.0	33.4	10.4	43.8	82.3	-38.5	Peak	Vertical
10528.5	32.3	15.5	47.8	82.3	-34.5	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-AC2
Test Engineer	Cloud Guo	Test Date	2020/10/27
Test Band	n41_EN-DC, 20MHz Bandwidth, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
47.5	3.1	20.6	23.7	70.3	-46.6	Peak	Horizontal
656.6	2.6	27.9	30.5	70.3	-39.8	Peak	Horizontal
35.8	19.5	18.3	37.8	70.3	-32.5	Peak	Vertical
474.3	4.2	24.8	29.0	70.3	-41.3	Peak	Vertical
4706.0	35.6	3.5	39.1	70.3	-31.2	Peak	Horizontal
8250.5	34.1	10.9	45.0	70.3	-25.3	Peak	Horizontal
6389.0	34.2	6.5	40.7	70.3	-29.6	Peak	Vertical
10775.0	31.7	16.4	48.1	70.3	-22.2	Peak	Vertical
Middle Channel							
255.0	3.4	20.2	23.6	70.3	-46.7	Peak	Horizontal
762.8	3.4	29.8	33.2	70.3	-37.1	Peak	Horizontal
52.8	8.4	20.5	28.9	70.3	-41.4	Peak	Vertical
509.7	4.3	25.3	29.6	70.3	-40.7	Peak	Vertical
6363.5	33.0	6.5	39.5	70.3	-30.8	Peak	Horizontal
10324.5	32.5	15.4	47.9	70.3	-22.4	Peak	Horizontal
5488.0	35.6	3.4	39.0	70.3	-31.3	Peak	Vertical
10766.5	30.8	16.2	47.0	70.3	-23.3	Peak	Vertical
High Channel							
44.6	2.3	20.5	22.8	70.3	-47.5	Peak	Horizontal
265.2	3.1	20.4	23.5	70.3	-46.8	Peak	Horizontal
54.3	7.9	20.3	28.2	70.3	-42.1	Peak	Vertical
662.4	4.5	28.0	32.5	70.3	-37.8	Peak	Vertical
4663.5	34.4	3.5	37.9	70.3	-32.4	Peak	Horizontal
9262.0	32.3	13.6	45.9	70.3	-24.4	Peak	Horizontal
5301.0	35.2	3.5	38.7	70.3	-31.6	Peak	Vertical
9950.5	33.4	13.7	47.1	70.3	-23.2	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

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 "2010RSU005-UT" file.

Appendix B - EUT Photograph

Refer to "2010RSU005-UE" file.