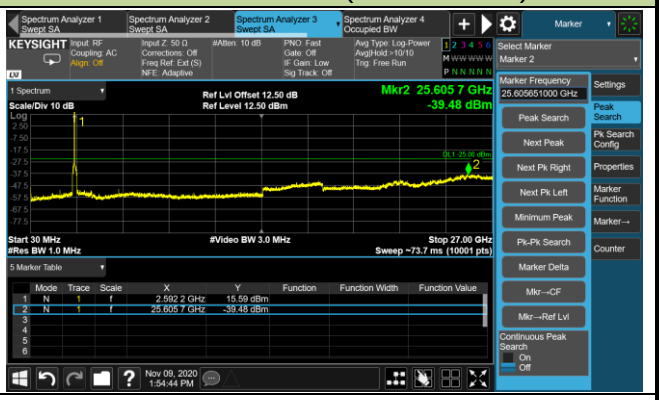
40MHz Channel Bandwidth

Channel 503202 (2516.01MHz)

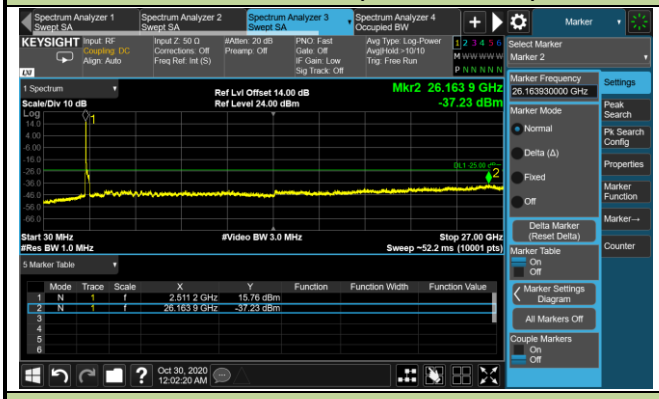
Channel 518598 (2592.99MHz)



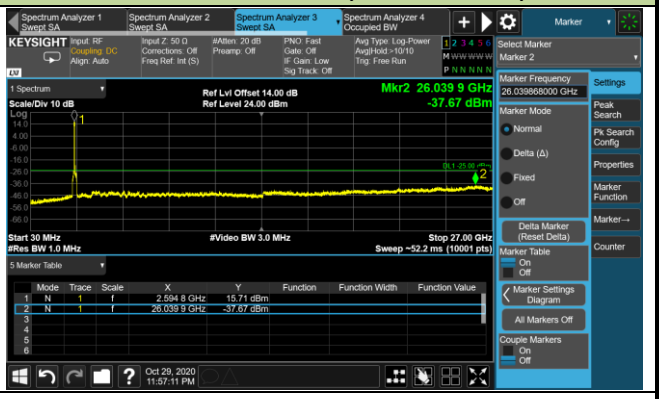
Channel 534000 (2670MHz)

50MHz Channel Bandwidth

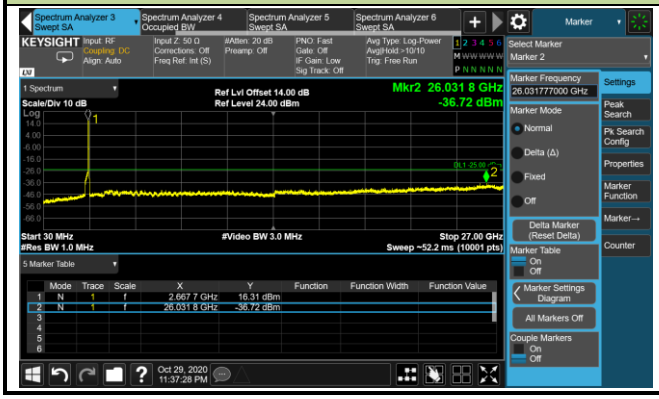
Channel 504204 (2521.02MHz)



Channel 518598 (2592.99MHz)



Channel 532998 (2664.99MHz)



60MHz Channel Bandwidth

Channel 505200 (2526MHz)

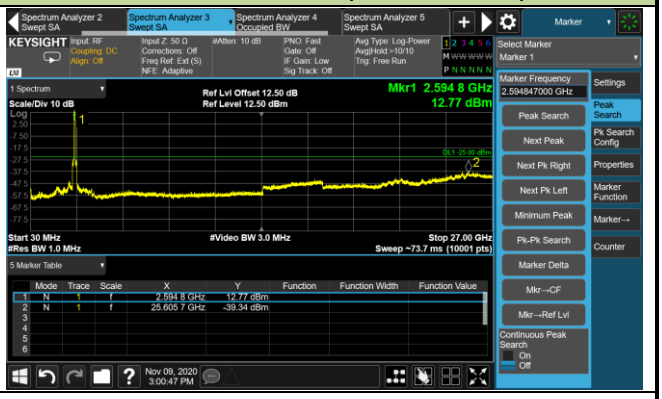
Channel 518598 (2592.99MHz)

Channel 531996 (2659.98MHz)

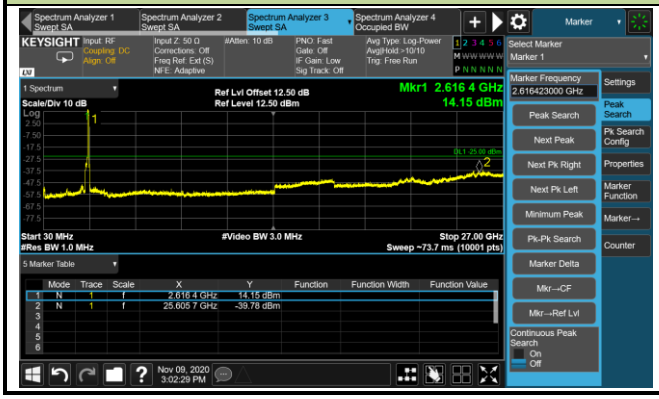
80MHz Channel Bandwidth

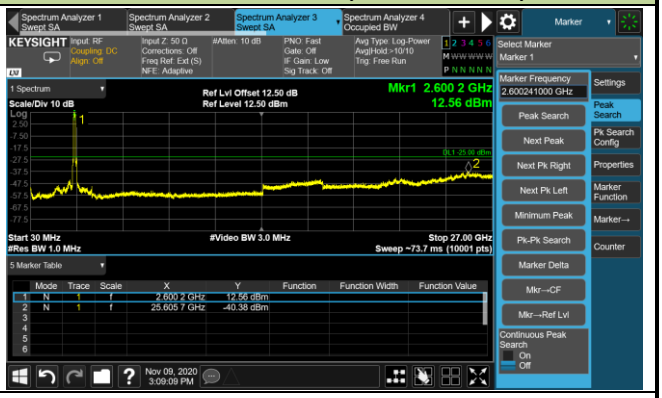
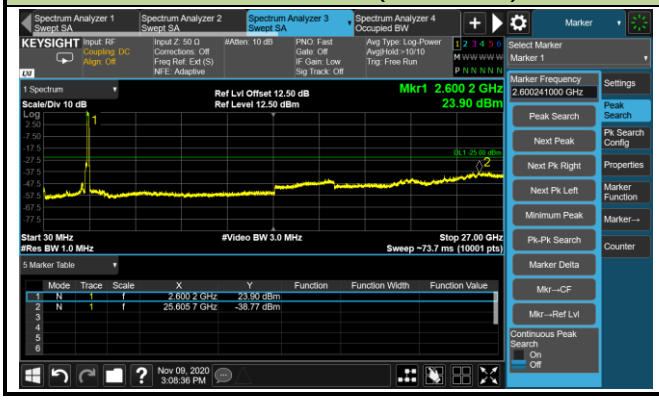
Channel 507204 (2536.02MHz)

Channel 518598 (2592.99MHz)



Channel 529998 (2649.99MHz)



100MHz Channel Bandwidth	
Channel 509202 (2546.01MHz)	Channel 518598 (2592.99MHz)
	
Channel 528000 (2640MHz)	
	

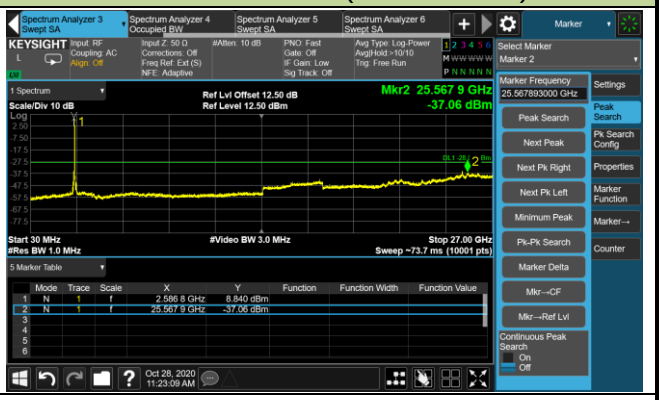
Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2020/10/31
Test Band	n41_UL MIMO_HPUE		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)		Limit (dBm)	Result
				Port 0	Port 2		
501204	2506.02	20	30 ~ 27000	-36.73	-37.58	≤ -28.01	Pass
518598	2592.99	20	30 ~ 27000	-37.06	-37.40	≤ -28.01	Pass
535998	2679.99	20	30 ~ 27000	-38.57	-36.84	≤ -28.01	Pass
502200	2511.00	30	30 ~ 27000	-40.10	-40.14	≤ -28.01	Pass
518598	2592.99	30	30 ~ 27000	-40.58	-39.88	≤ -28.01	Pass
534996	2674.98	30	30 ~ 27000	-40.73	-40.85	≤ -28.01	Pass
503202	2516.01	40	30 ~ 27000	-36.71	-36.65	≤ -28.01	Pass
518598	2592.99	40	30 ~ 27000	-36.76	-36.79	≤ -28.01	Pass
534000	2670.00	40	30 ~ 27000	-37.19	-36.98	≤ -28.01	Pass
504204	2521.02	50	30 ~ 27000	-39.75	-40.86	≤ -28.01	Pass
518598	2592.99	50	30 ~ 27000	-41.15	-40.92	≤ -28.01	Pass
532998	2664.99	50	30 ~ 27000	-40.89	-40.36	≤ -28.01	Pass
505200	2526.00	60	30 ~ 27000	-37.27	-36.20	≤ -28.01	Pass
518598	2592.99	60	30 ~ 27000	-37.40	-37.18	≤ -28.01	Pass
531996	2659.98	60	30 ~ 27000	-39.84	-36.00	≤ -28.01	Pass
507204	2536.02	80	30 ~ 27000	-36.30	-37.32	≤ -28.01	Pass
518598	2592.99	80	30 ~ 27000	-36.06	-36.90	≤ -28.01	Pass
529998	2649.99	80	30 ~ 27000	-37.67	-35.85	≤ -28.01	Pass
509202	2546.01	100	30 ~ 27000	-37.52	-36.64	≤ -28.01	Pass
518598	2592.99	100	30 ~ 27000	-37.19	-36.67	≤ -28.01	Pass
528000	2640.00	100	30 ~ 27000	-36.97	-36.98	≤ -28.01	Pass

20MHz Channel Bandwidth - Port 0

Channel 501204 (2506.02MHz)

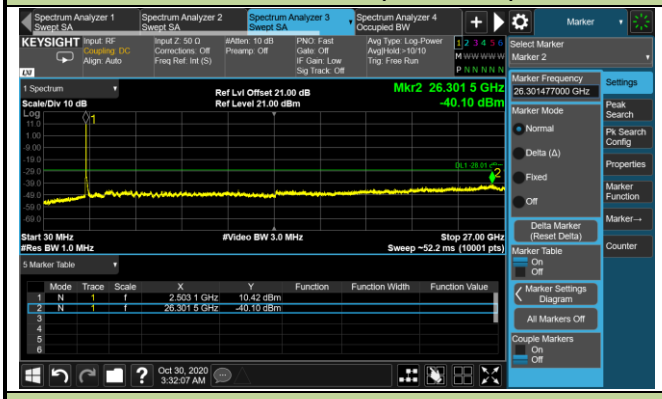
Channel 518598 (2592.99MHz)



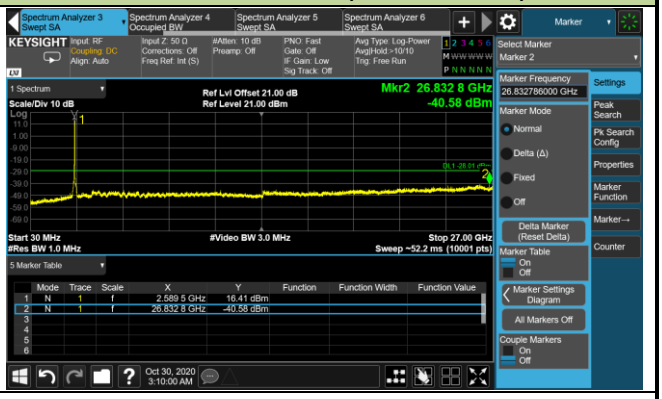
Channel 535998 (2679.99MHz)

30MHz Channel Bandwidth - Port 0

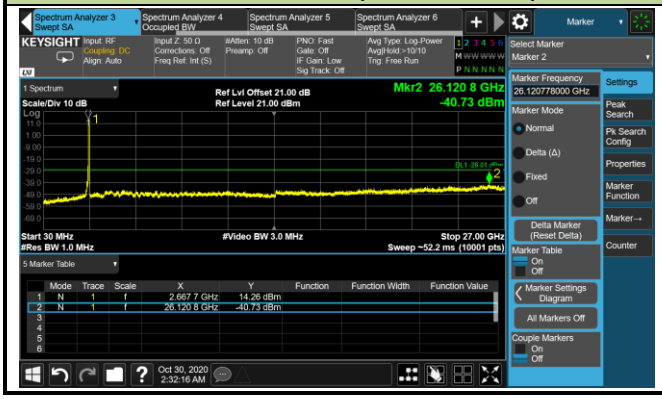
Channel 502200 (2511MHz)



Channel 518598 (2592.99MHz)



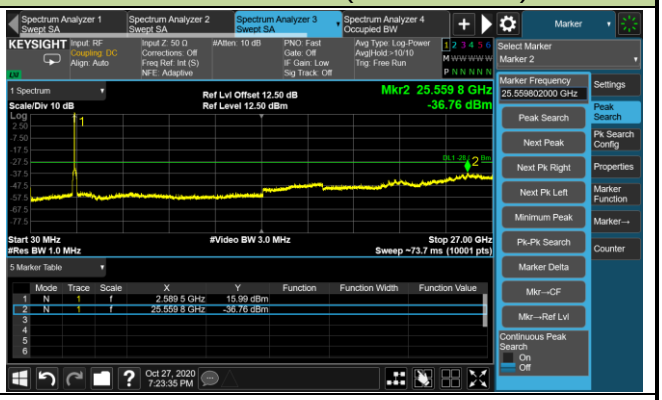
Channel 534996 (2674.98MHz)



40MHz Channel Bandwidth - Port 0

Channel 503202 (2516.01MHz)

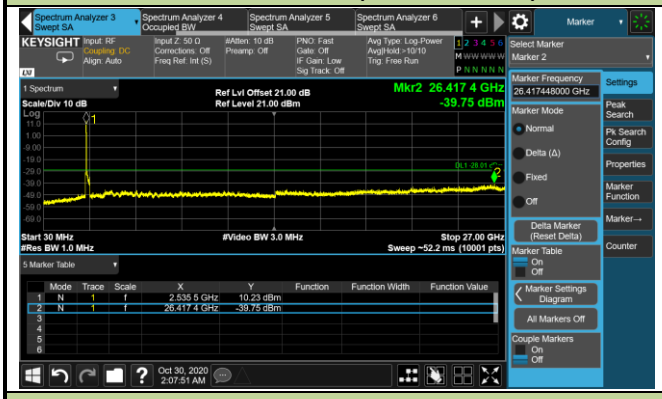
Channel 518598 (2592.99MHz)



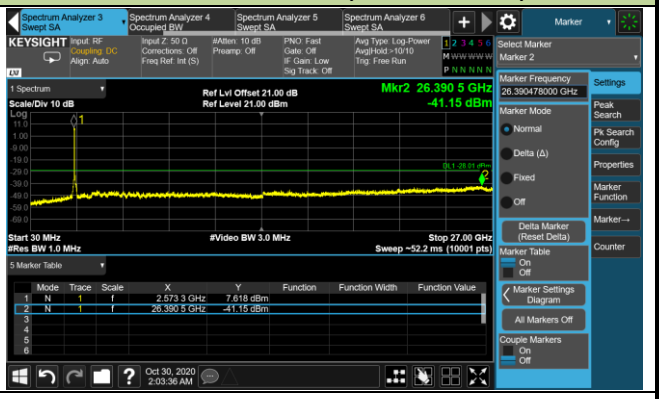
Channel 534000 (2670MHz)

50MHz Channel Bandwidth - Port 0

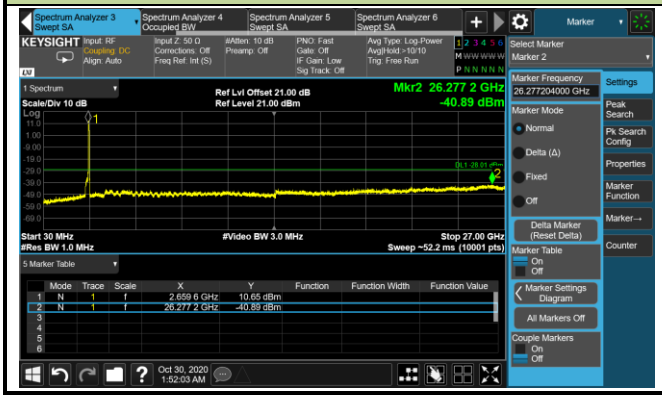
Channel 504204 (2521.02MHz)



Channel 518598 (2592.99MHz)



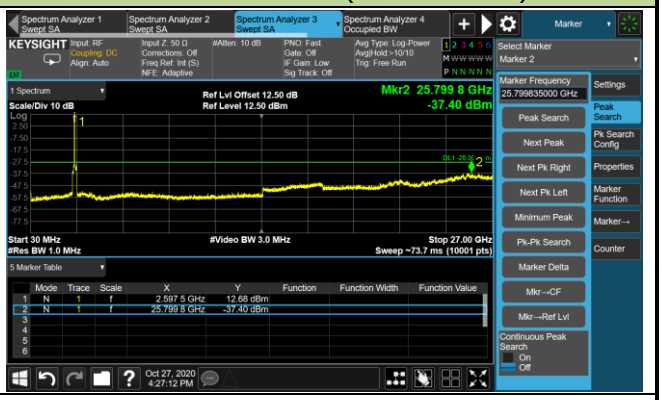
Channel 532998 (2664.99MHz)



60MHz Channel Bandwidth - Port 0

Channel 505200 (2526MHz)

Channel 518598 (2592.99MHz)

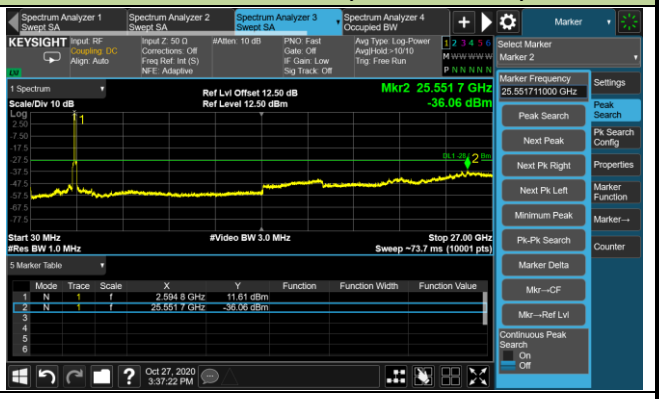


Channel 531996 (2659.98MHz)

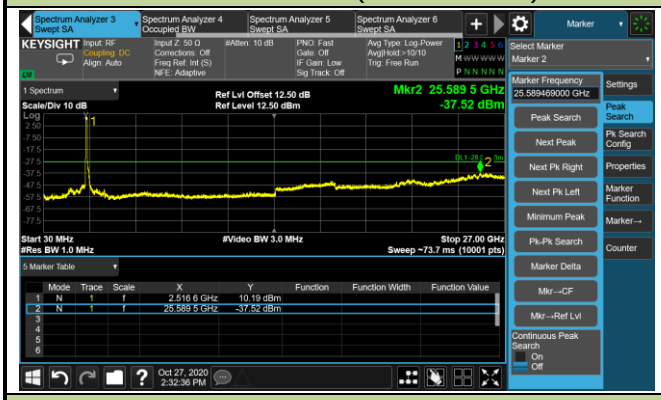
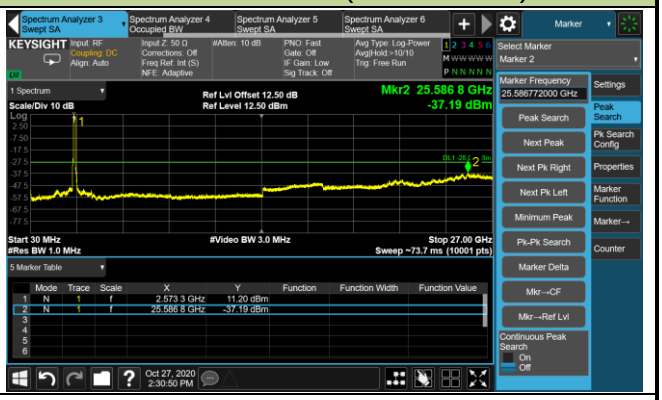
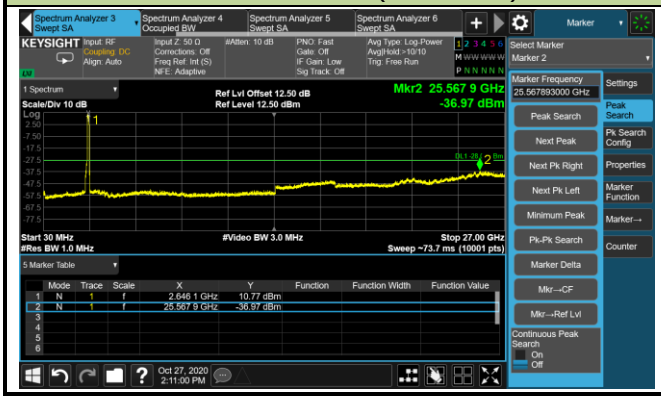
80MHz Channel Bandwidth - Port 0

Channel 507204 (2536.02MHz)

Channel 518598 (2592.99MHz)



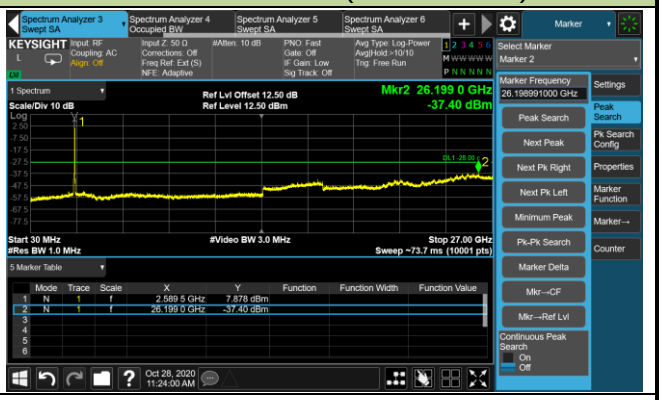
Channel 529998 (2649.99MHz)

100MHz Channel Bandwidth - Port 0	
Channel 509202 (2546.01MHz)	Channel 518598 (2592.99MHz)
	
Channel 528000 (2640MHz)	
	

20MHz Channel Bandwidth - Port 2

Channel 501204 (2506.02MHz)

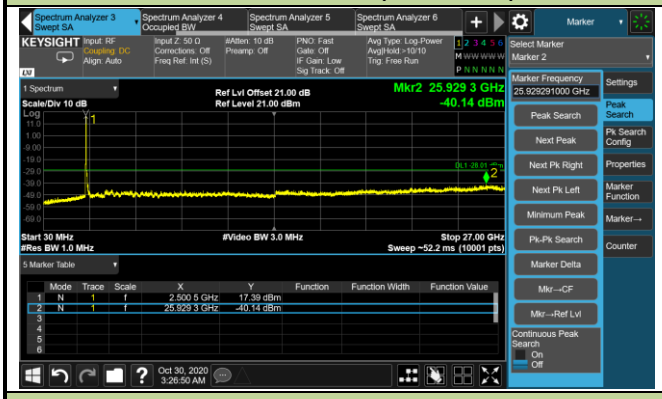
Channel 518598 (2592.99MHz)



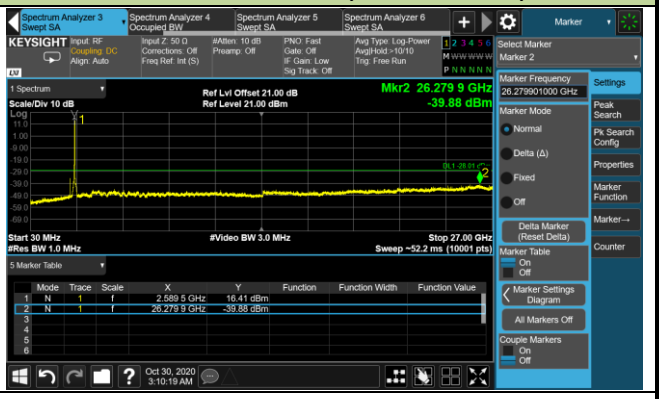
Channel 535998 (2679.99MHz)

30MHz Channel Bandwidth - Port 2

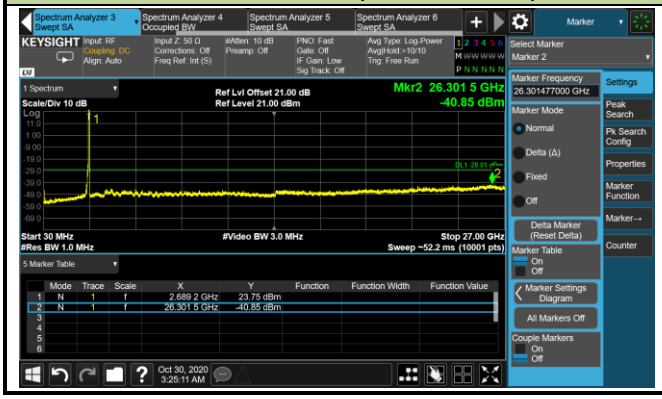
Channel 502200 (2511MHz)



Channel 518598 (2592.99MHz)



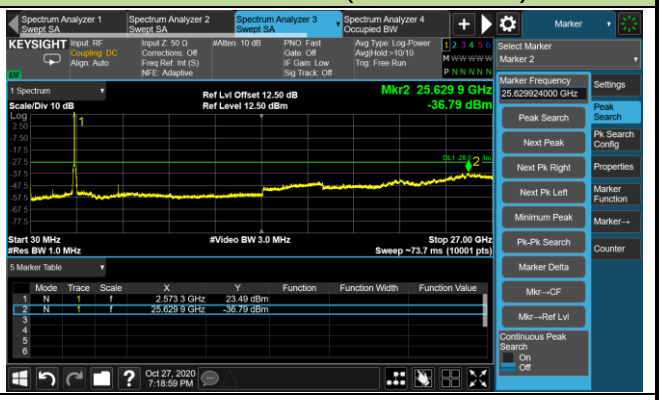
Channel 534996 (2674.98MHz)



40MHz Channel Bandwidth - Port 2

Channel 503202 (2516.01MHz)

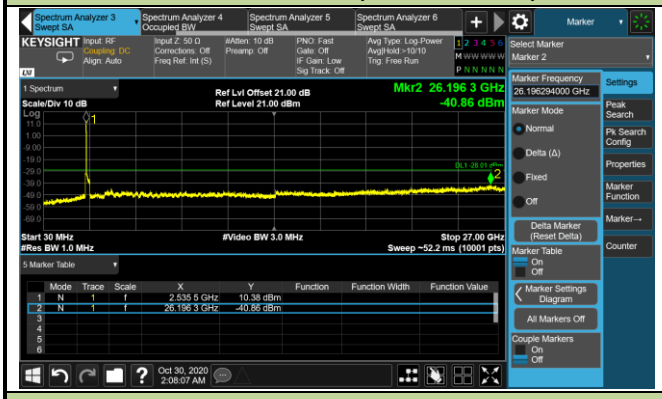
Channel 518598 (2592.99MHz)



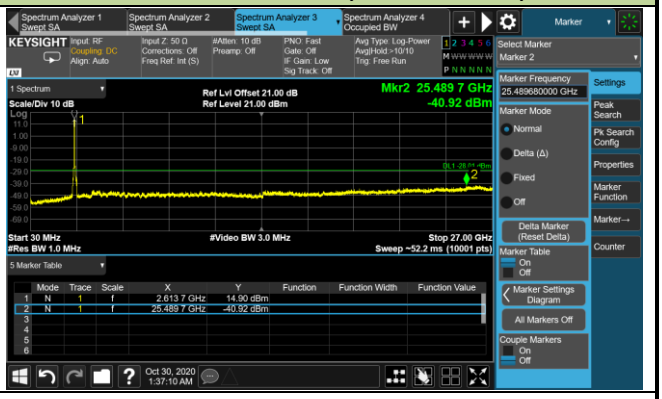
Channel 534000 (2670MHz)

50MHz Channel Bandwidth - Port 2

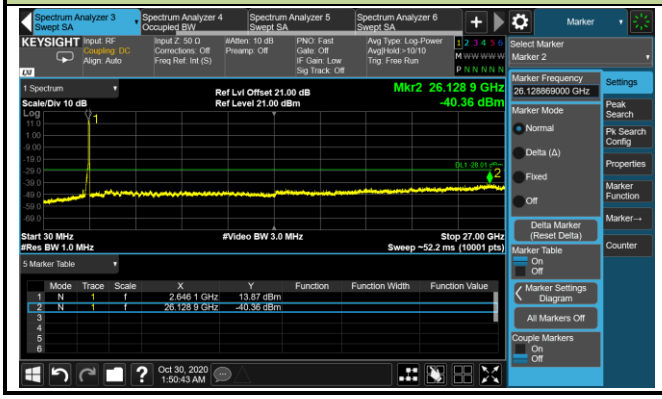
Channel 504204 (2521.02MHz)



Channel 518598 (2592.99MHz)



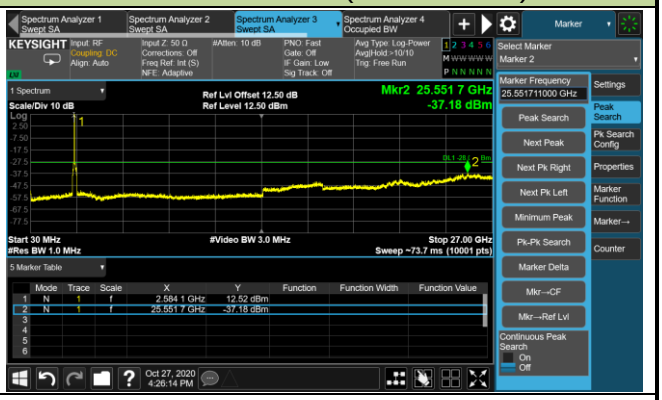
Channel 532998 (2664.99MHz)



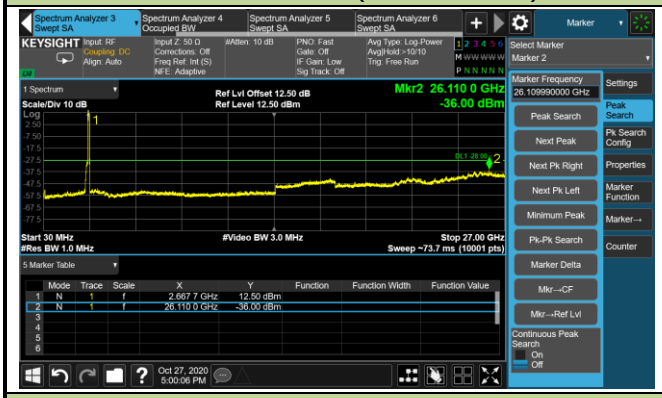
60MHz Channel Bandwidth - Port 2

Channel 505200 (2526MHz)

Channel 518598 (2592.99MHz)



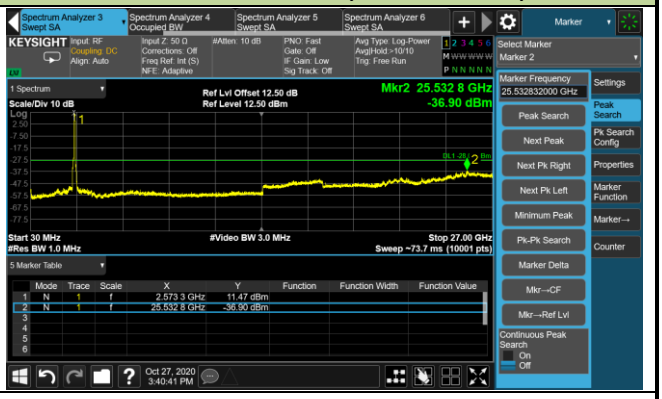
Channel 531996 (2659.98MHz)



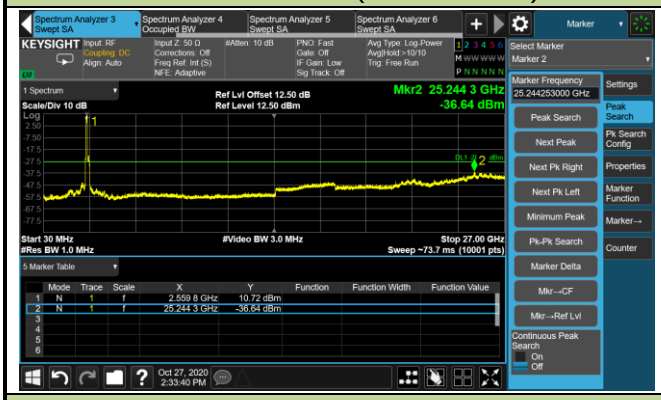
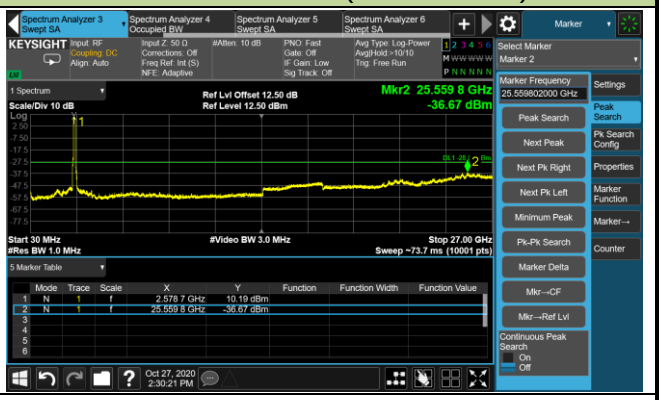
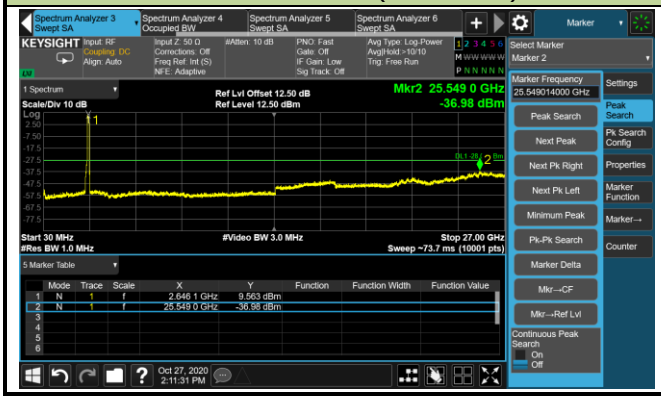
80MHz Channel Bandwidth - Port 2

Channel 507204 (2536.02MHz)

Channel 518598 (2592.99MHz)



Channel 529998 (2649.99MHz)

100MHz Channel Bandwidth - Port 2	
Channel 509202 (2546.01MHz)	Channel 518598 (2592.99MHz)
	
Channel 528000 (2640MHz)	
	

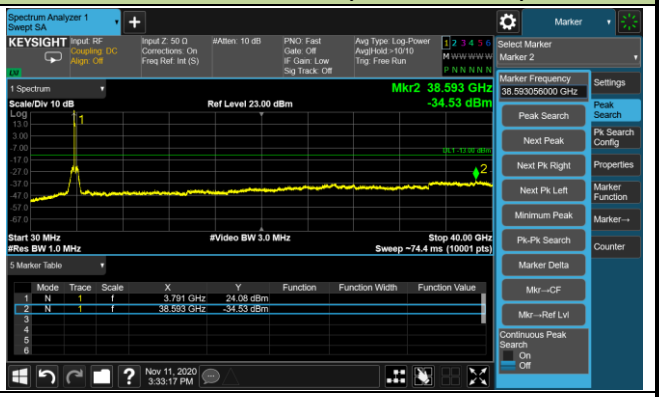
Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2020/10/22 ~ 2020/11/11
Test Band	n77_HPUE		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
750000	3750.00	100	30 ~ 40000	-36.42	≤ -13.00	Pass
772998	3864.99	100	30 ~ 40000	-34.53	≤ -13.00	Pass
786000	3930.00	100	30 ~ 40000	-36.13	≤ -13.00	Pass

100MHz Channel Bandwidth

Channel 750000 (3750MHz)

Channel 772998 (3864.99MHz)



Channel 786000 (3930MHz)

5.8. Radiated Spurious Emissions Measurements

5.8.1.Test Limit

Out of band emissions: The powerof any emission outside of theauthorized operating frequency ranges must be attenuated below the transmitting power (P) by a factorof at least 43 + 10 log(P) dB. The emission limit equal to -13dBm.

For n7, n41, the powerof any emission outside of theauthorized operating frequency ranges must be attenuated below the transmitting power (P) by a factorof at least 55 + 10 log(P) dB. The emission limit equal to -25dBm.

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

5.8.2.Test Procedure Used

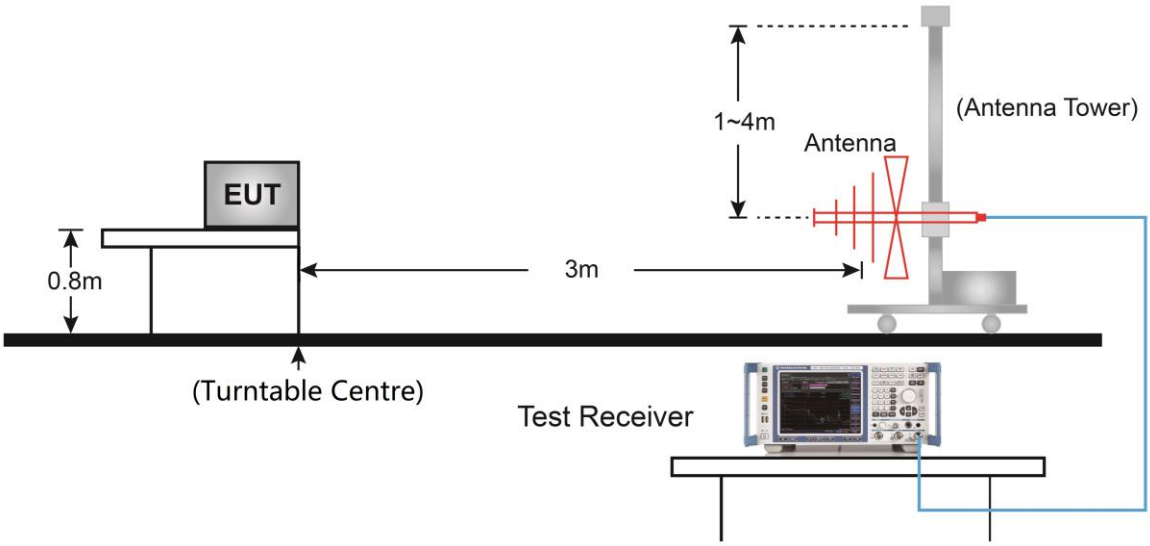
ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.8.3.Test Setting

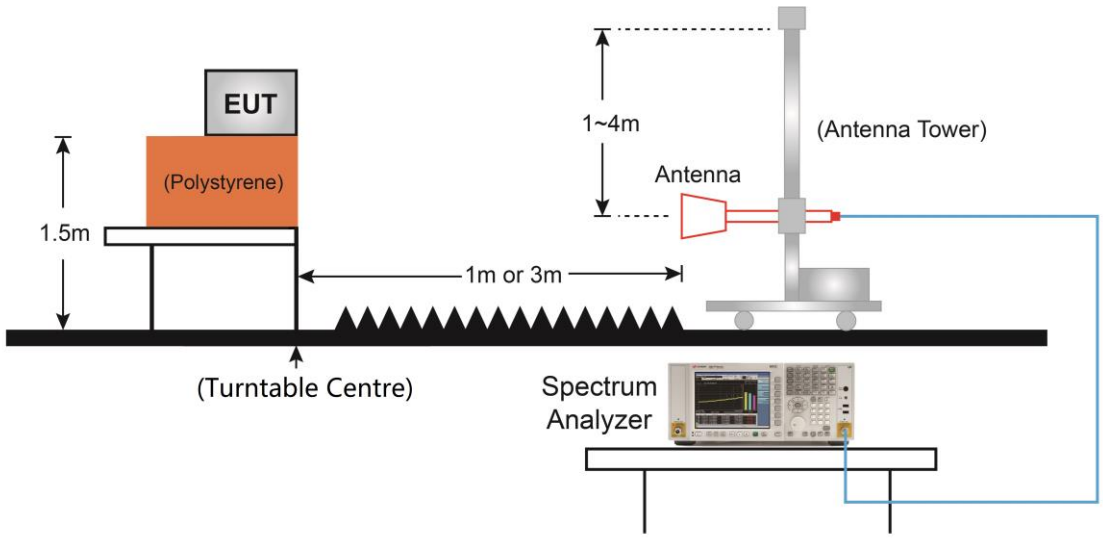
1. RBW = 1MHz
2. VBW≥ 3*RBW
3. Sweep time ≥ 10 × (number of points in sweep) × (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

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.