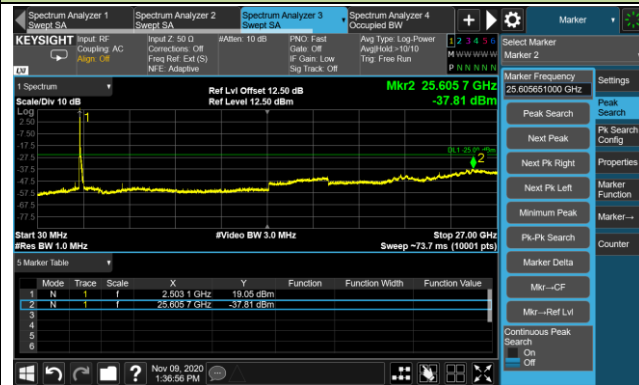
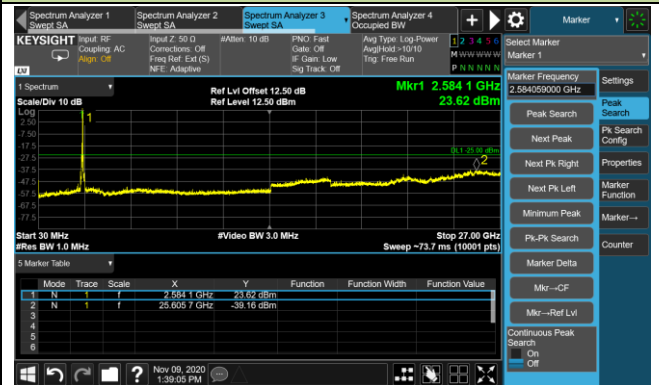


20MHz Channel Bandwidth

Channel 501204 (2506.02MHz)



Channel 518598 (2592.99MHz)

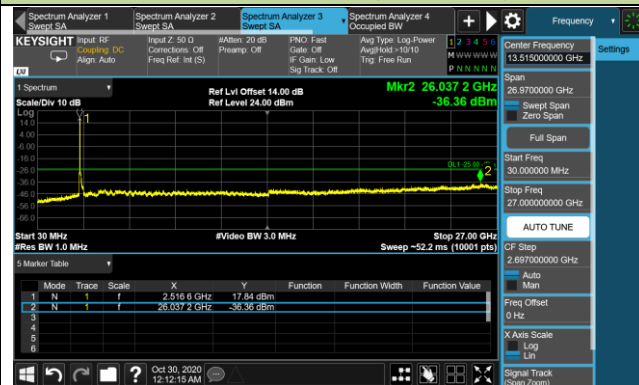


Channel 535998 (2679.99MHz)

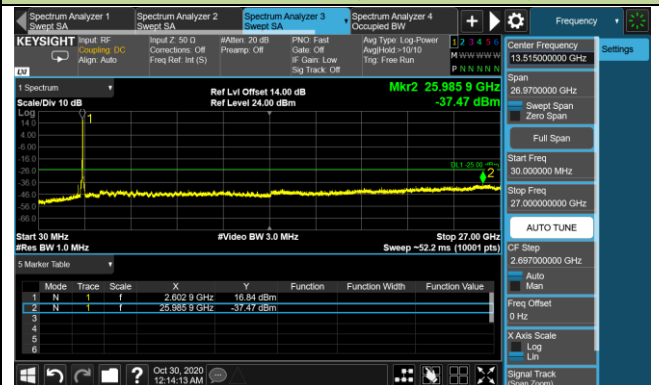


30MHz Channel Bandwidth

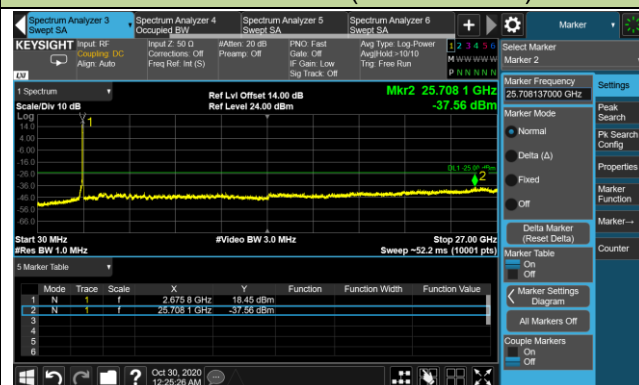
Channel 502200 (2511MHz)



Channel 518598 (2592.99MHz)



Channel 534996 (2674.98MHz)



40MHz Channel Bandwidth

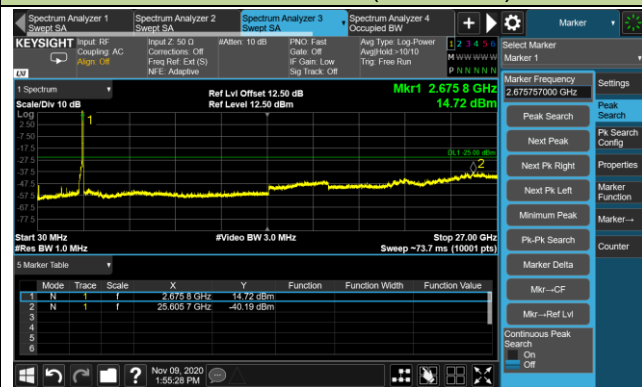
Channel 503202 (2516.01MHz)



Channel 518598 (2592.99MHz)

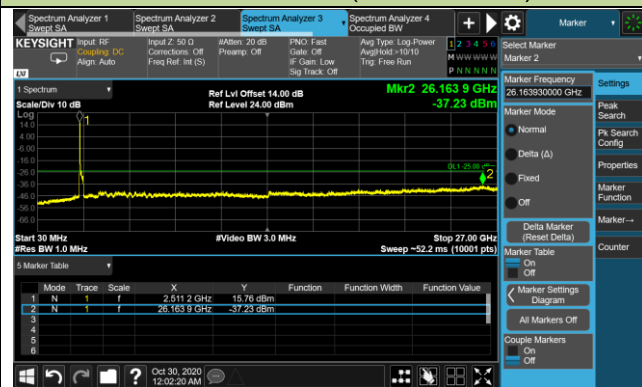


Channel 534000 (2670MHz)

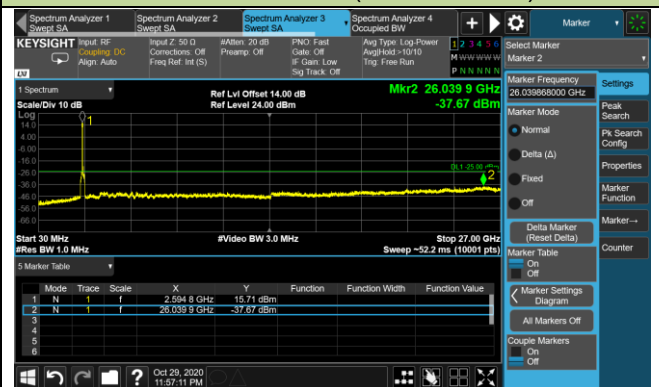


50MHz Channel Bandwidth

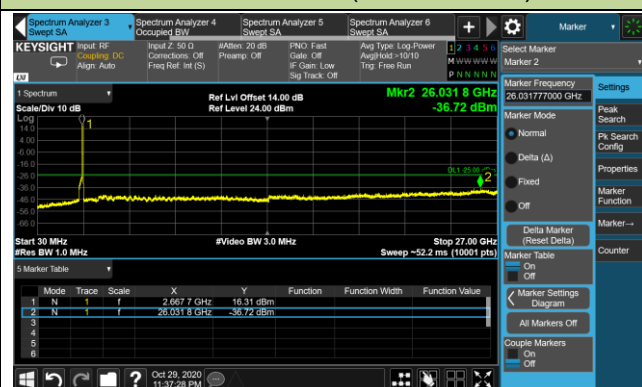
Channel 504204 (2521.02MHz)



Channel 518598 (2592.99MHz)



Channel 532998 (2664.99MHz)

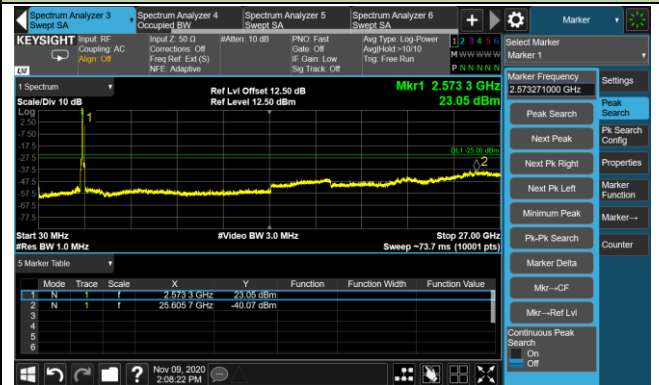


60MHz Channel Bandwidth

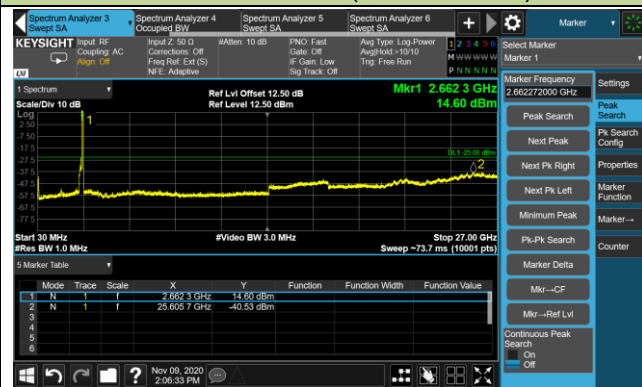
Channel 505200 (2526MHz)



Channel 518598 (2592.99MHz)

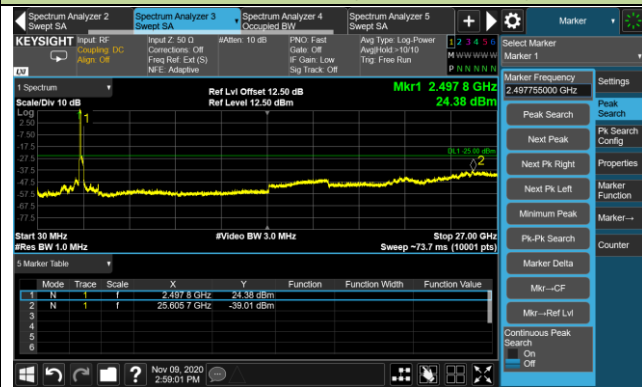


Channel 531996 (2659.98MHz)



80MHz Channel Bandwidth

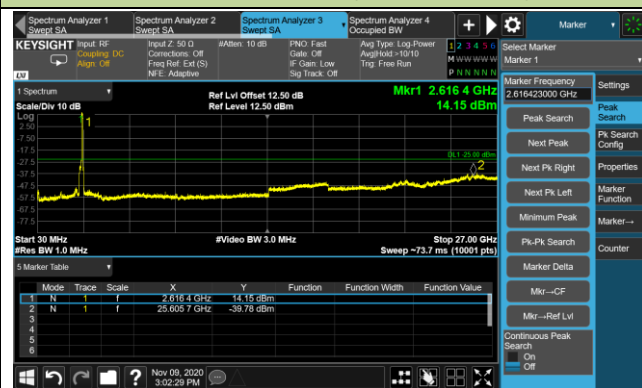
Channel 507204 (2536.02MHz)



Channel 518598 (2592.99MHz)



Channel 529998 (2649.99MHz)



100MHz Channel Bandwidth

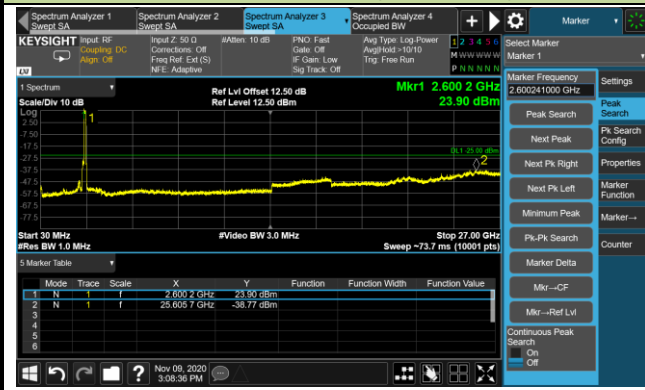
Channel 509202 (2546.01MHz)



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

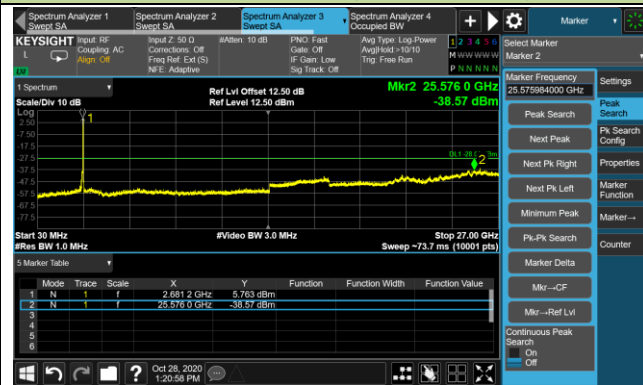
Channel 501204 (2506.02MHz)



Channel 518598 (2592.99MHz)

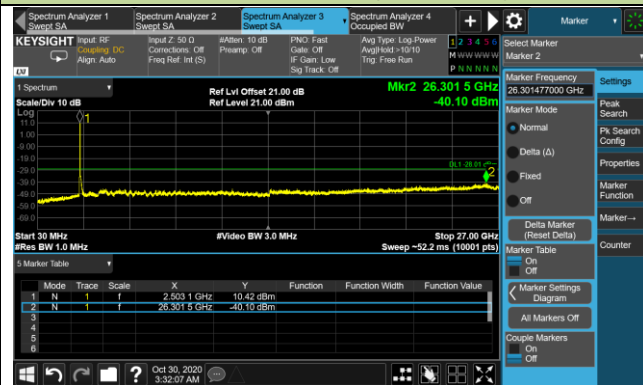


Channel 535998 (2679.99MHz)

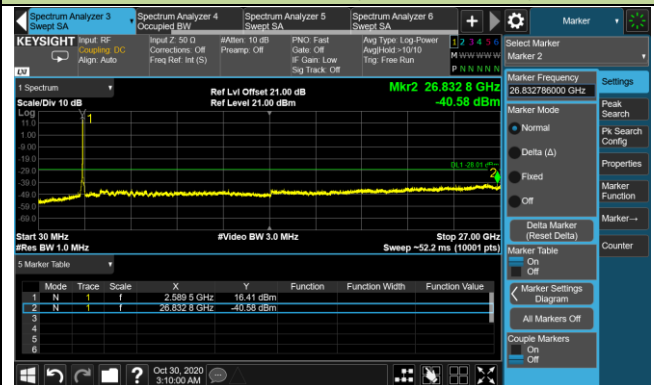


30MHz Channel Bandwidth - Port 0

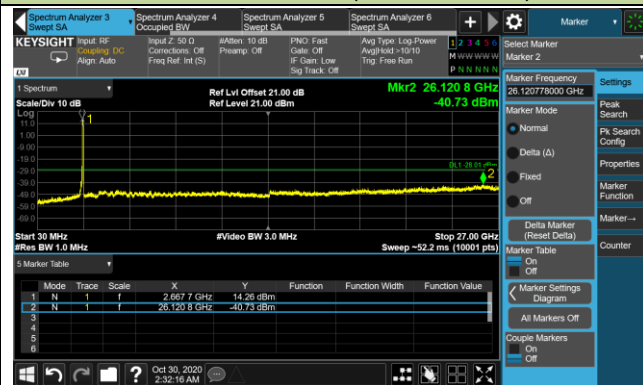
Channel 502200 (2511MHz)



Channel 518598 (2592.99MHz)

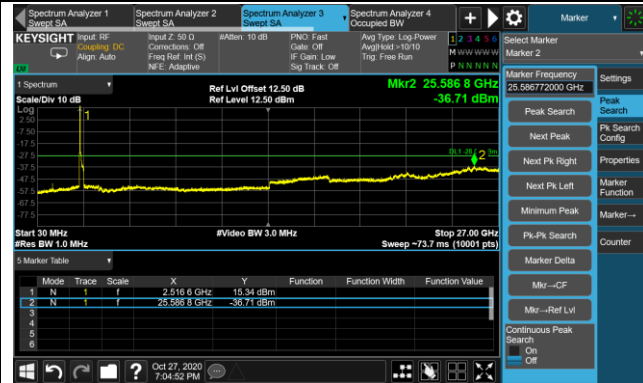


Channel 534996 (2674.98MHz)



40MHz Channel Bandwidth - Port 0

Channel 503202 (2516.01MHz)



Channel 518598 (2592.99MHz)

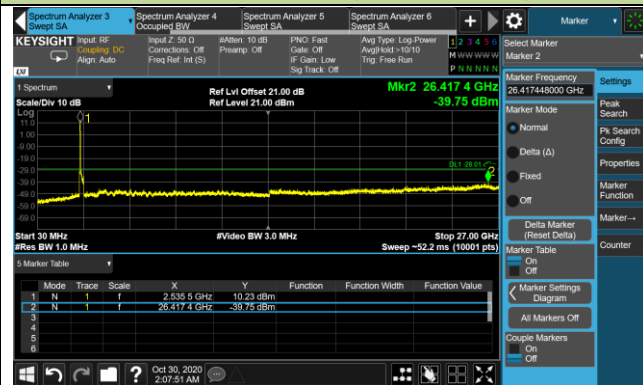


Channel 534000 (2670MHz)



50MHz Channel Bandwidth - Port 0

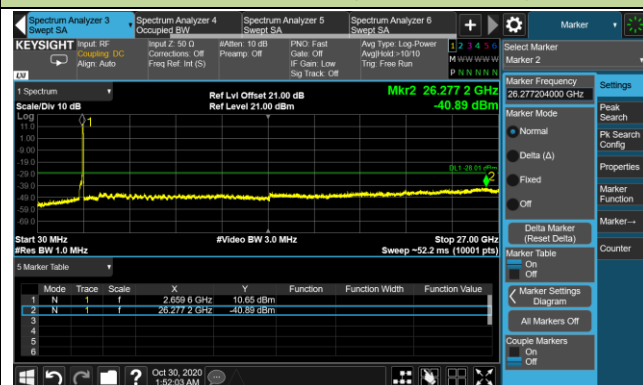
Channel 504204 (2521.02MHz)



Channel 518598 (2592.99MHz)

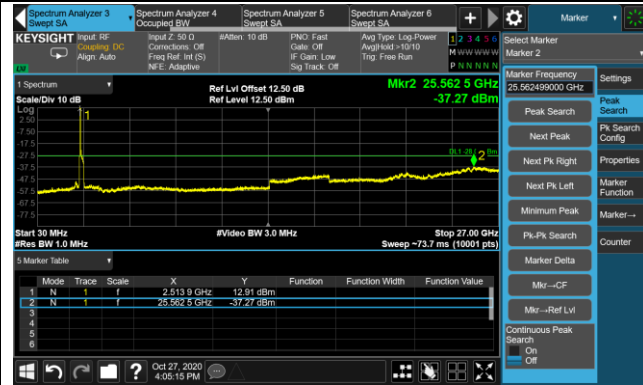


Channel 532998 (2664.99MHz)



60MHz Channel Bandwidth - Port 0

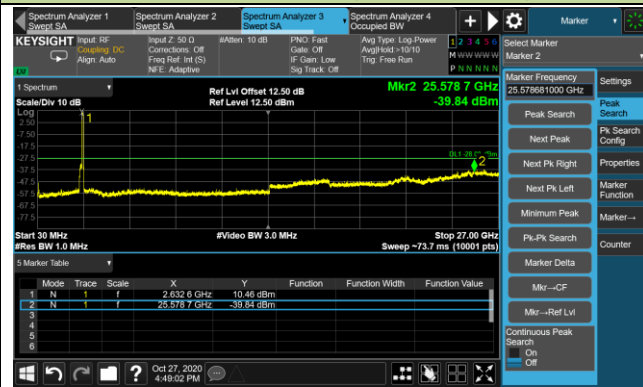
Channel 505200 (2526MHz)



Channel 518598 (2592.99MHz)



Channel 531996 (2659.98MHz)



80MHz Channel Bandwidth - Port 0

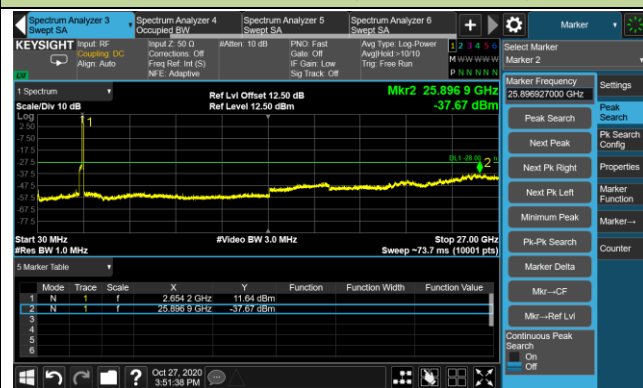
Channel 507204 (2536.02MHz)



Channel 518598 (2592.99MHz)



Channel 529998 (2649.99MHz)



100MHz Channel Bandwidth - Port 0

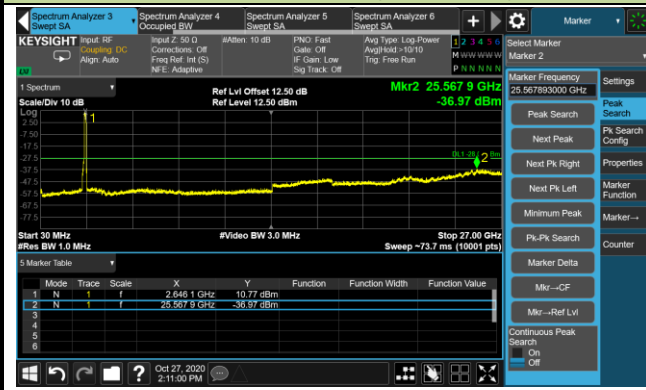
Channel 509202 (2546.01MHz)



Channel 518598 (2592.99MHz)

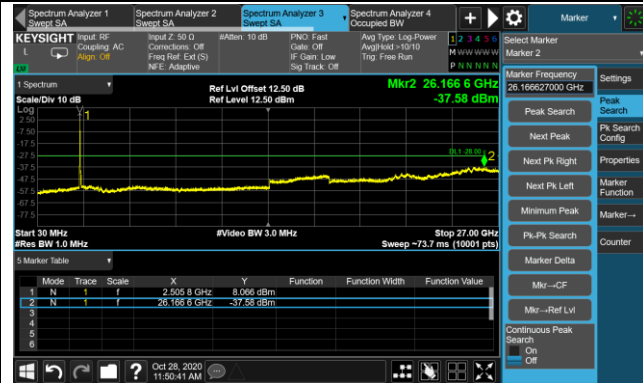


Channel 528000 (2640MHz)

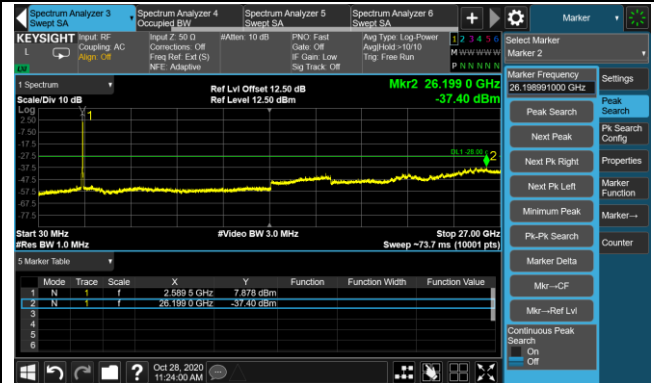


20MHz Channel Bandwidth - Port 2

Channel 501204 (2506.02MHz)



Channel 518598 (2592.99MHz)

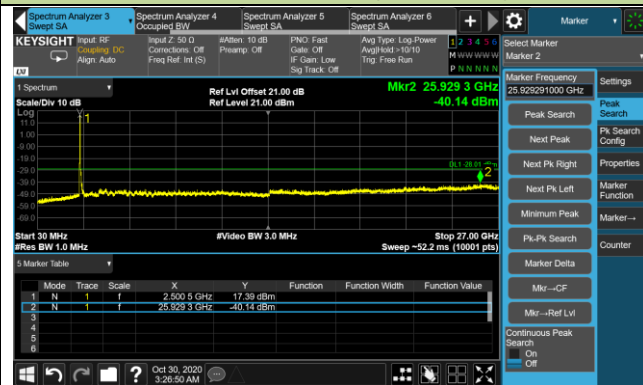


Channel 535998 (2679.99MHz)

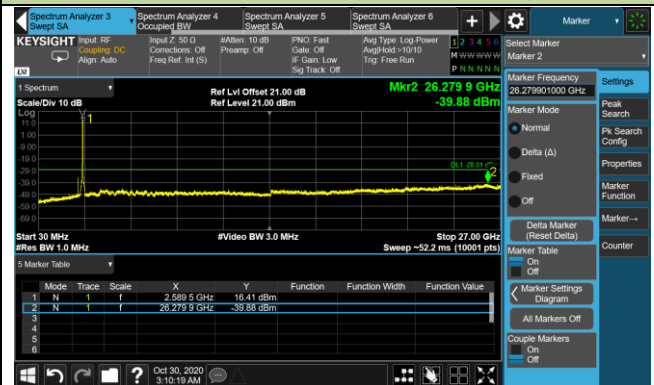


30MHz Channel Bandwidth - Port 2

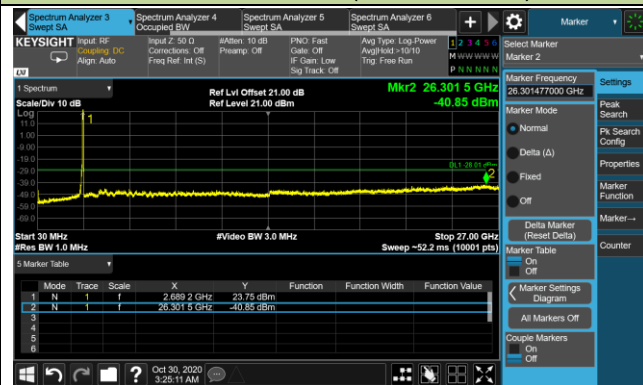
Channel 502200 (2511MHz)



Channel 518598 (2592.99MHz)



Channel 534996 (2674.98MHz)



40MHz Channel Bandwidth - Port 2

Channel 503202 (2516.01MHz)



Channel 518598 (2592.99MHz)

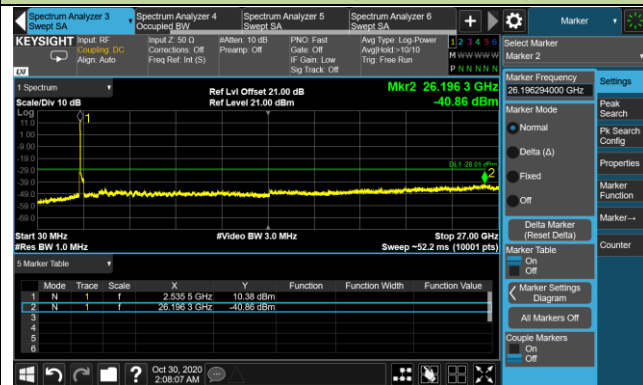


Channel 534000 (2670MHz)

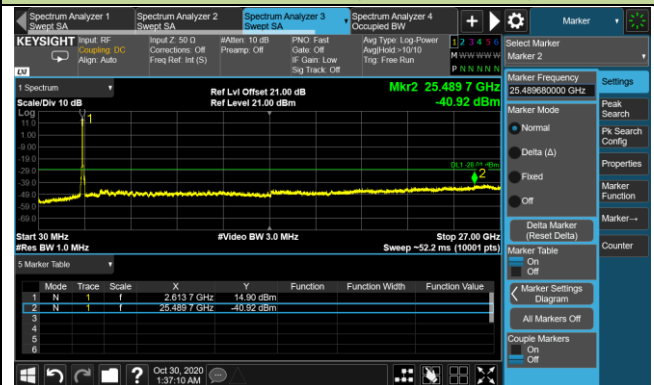


50MHz Channel Bandwidth - Port 2

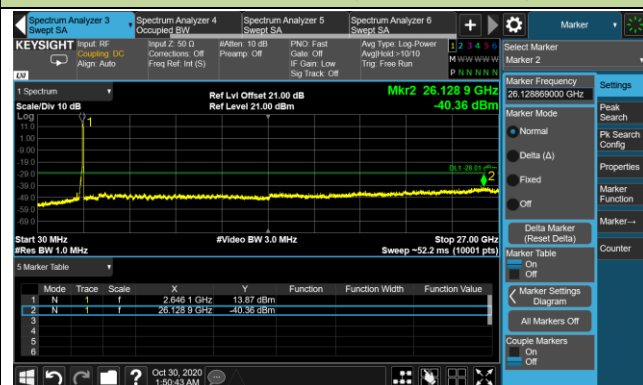
Channel 504204 (2521.02MHz)



Channel 518598 (2592.99MHz)

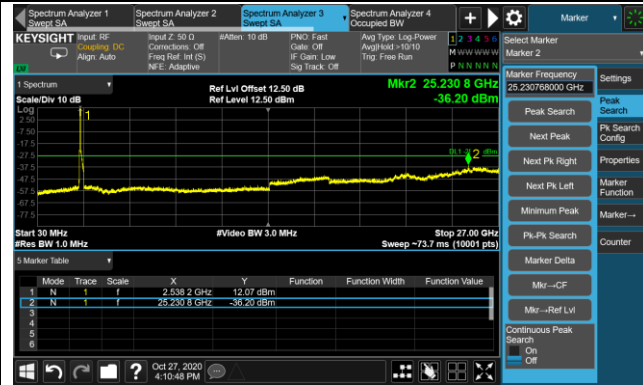


Channel 532998 (2664.99MHz)



60MHz Channel Bandwidth - Port 2

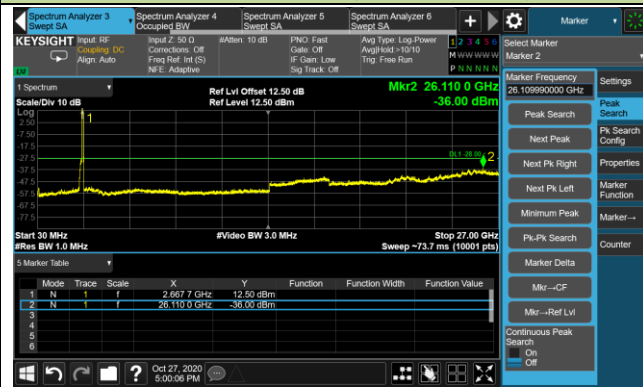
Channel 505200 (2526MHz)



Channel 518598 (2592.99MHz)



Channel 531996 (2659.98MHz)



80MHz Channel Bandwidth - Port 2

Channel 507204 (2536.02MHz)



Channel 518598 (2592.99MHz)

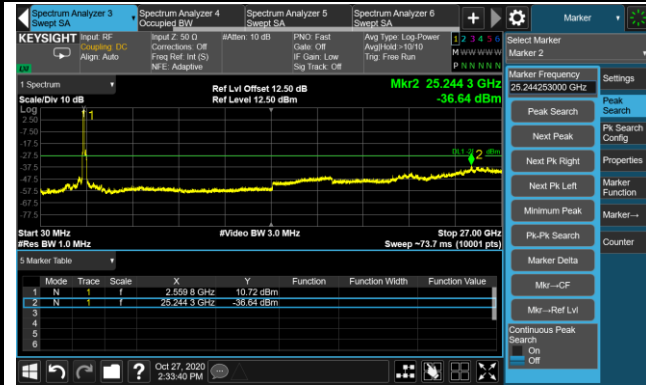


Channel 529998 (2649.99MHz)



100MHz Channel Bandwidth - Port 2

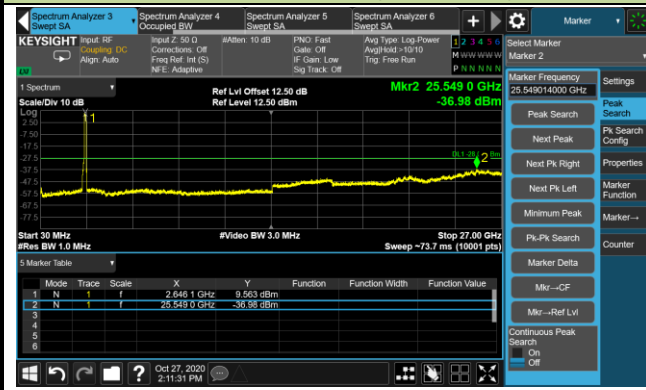
Channel 509202 (2546.01MHz)



Channel 518598 (2592.99MHz)

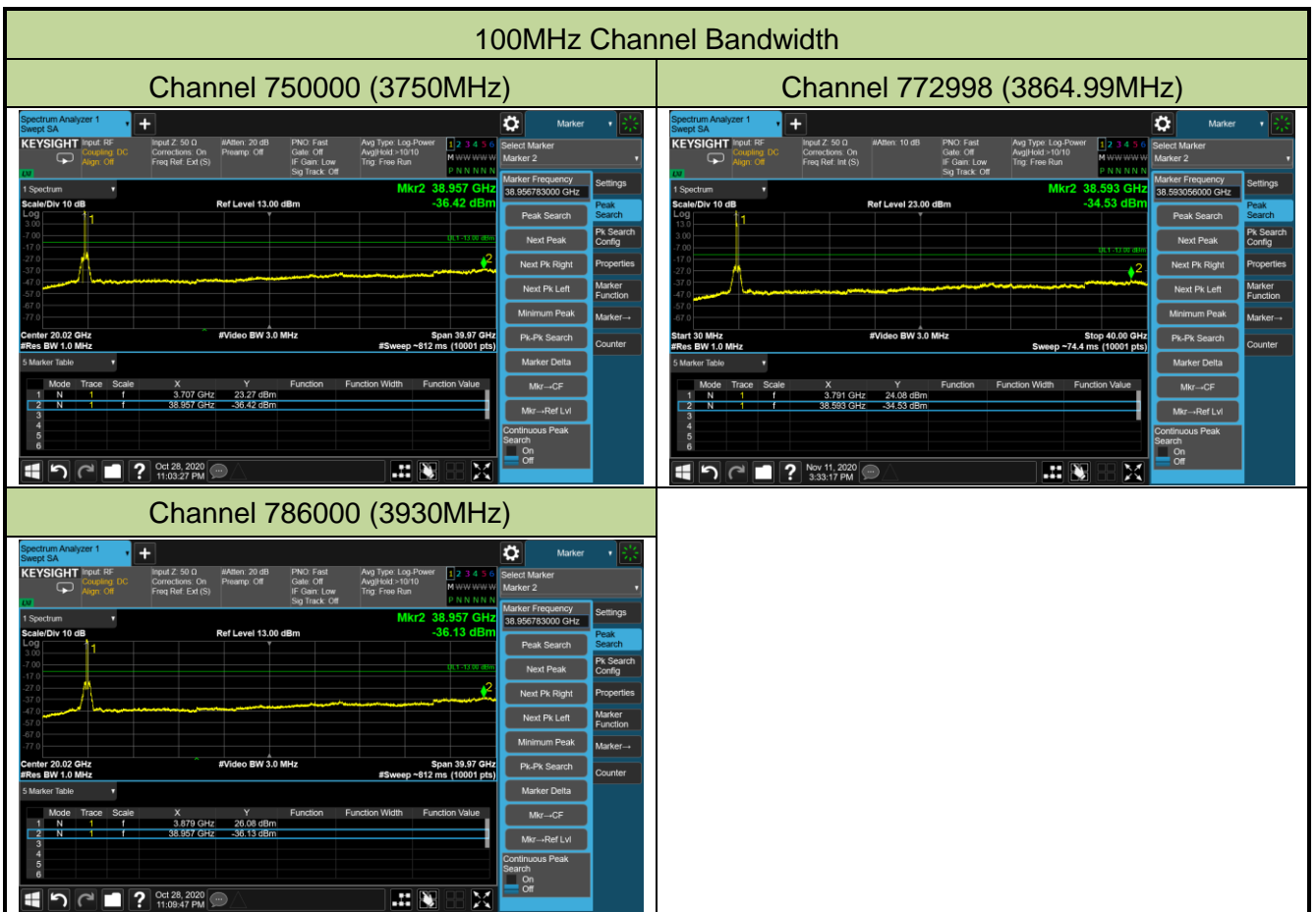


Channel 528000 (2640MHz)



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



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

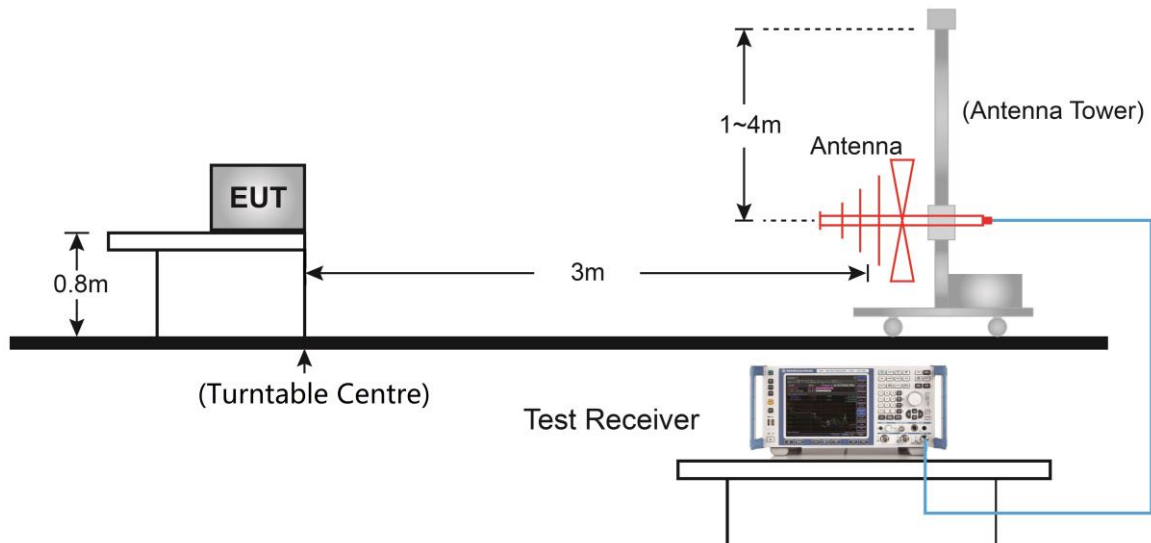
ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.8.3. Test Setting

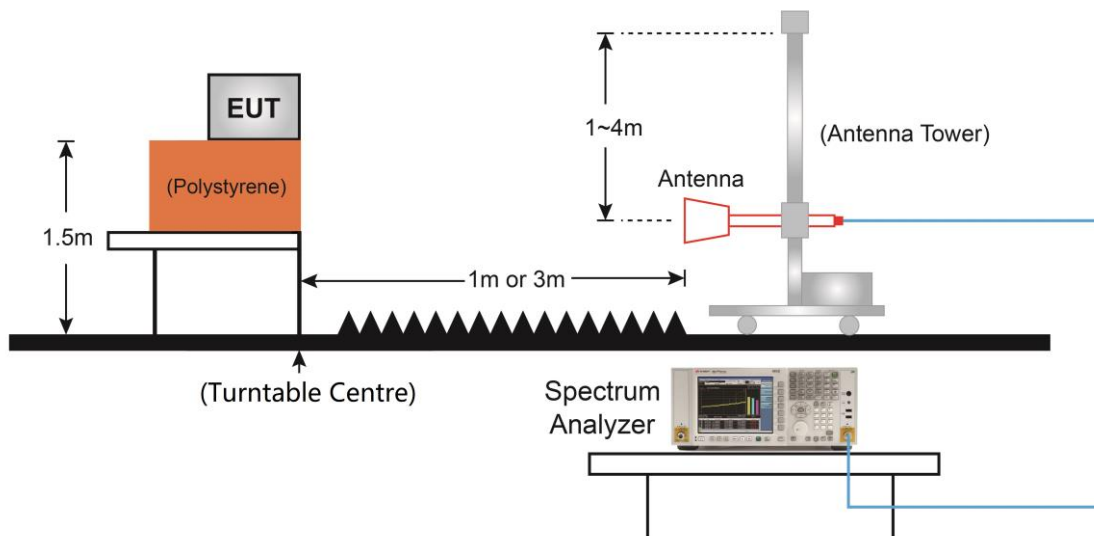
1. RBW = 1MHz
2. VBW \geq 3*RBW
3. Sweep time \geq 10 \times (number of points in sweep) \times (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

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).