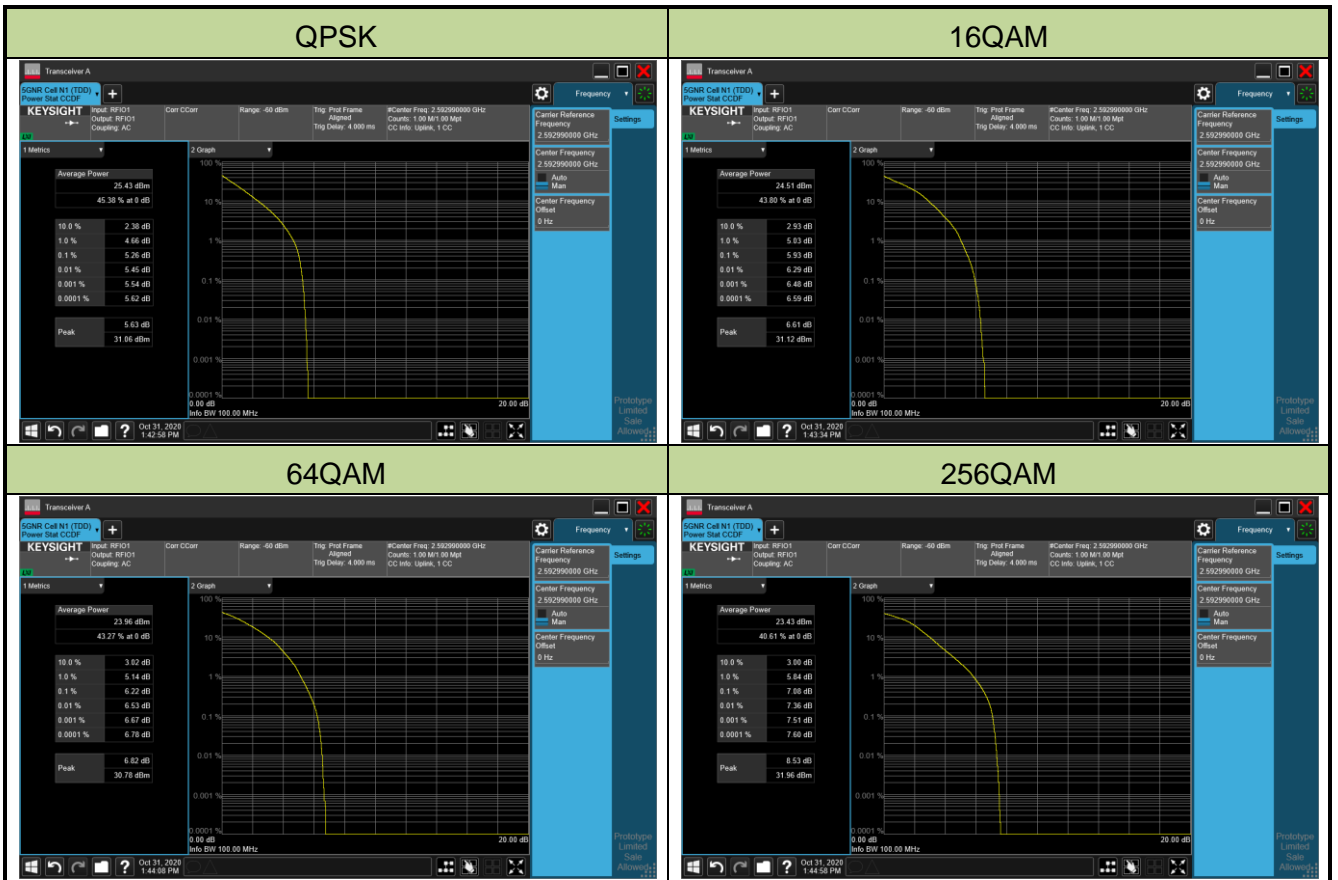


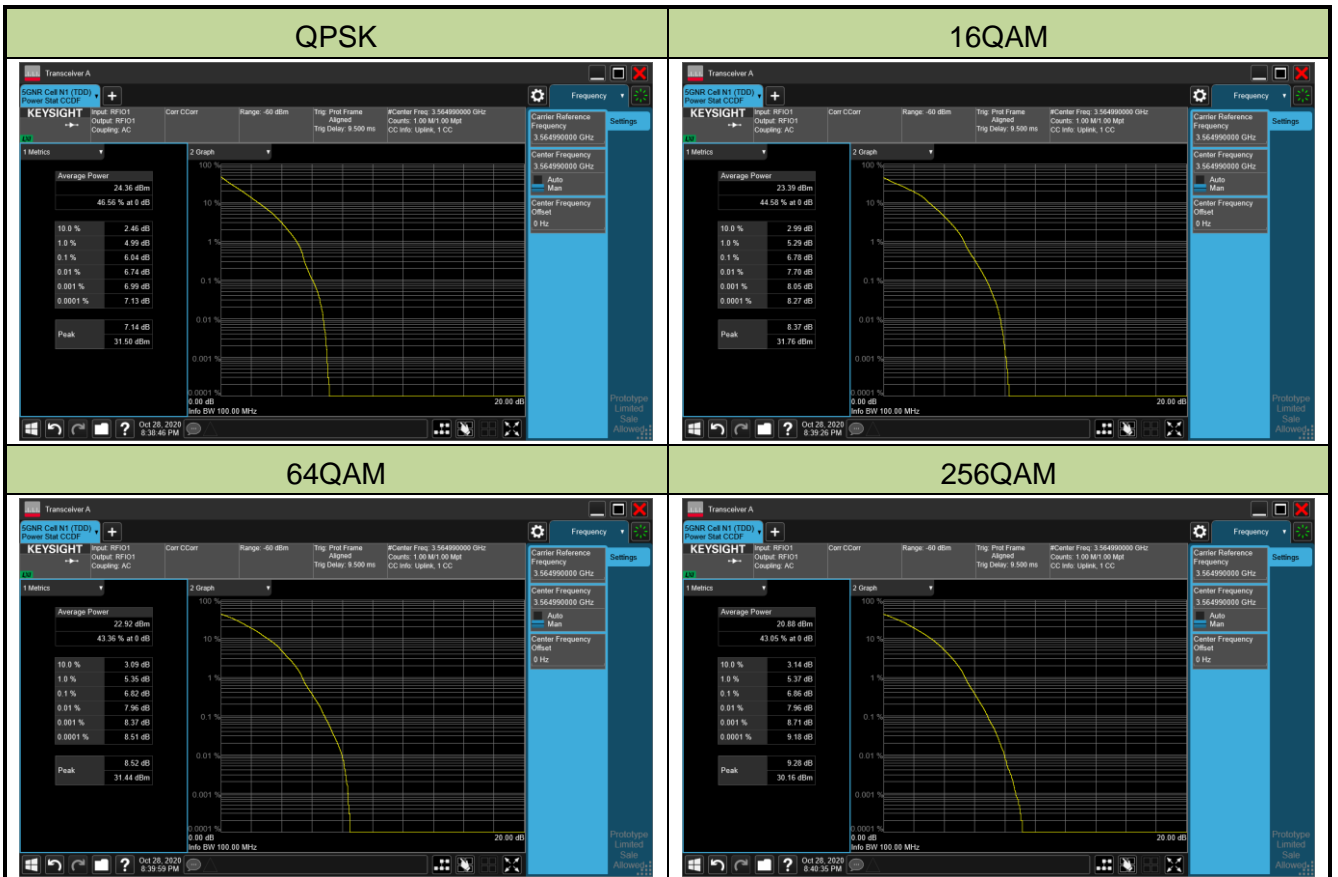
Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2020/10/31
Test Band	n41_SA_HPUE	Test Result	Pass

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
518598	2592.99	100	5.26	≤ 13.00	Pass
16QAM					
518598	2592.99	100	5.93	≤ 13.00	Pass
64QAM					
518598	2592.99	100	6.22	≤ 13.00	Pass
256QAM					
518598	2592.99	100	7.08	≤ 13.00	Pass



Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Eric Xu	Test Date	2020/10/28
Test Band	n77_SA_HPUE	Test Result	Pass

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
772998	3864.99	100	6.04	≤ 13.00	Pass
16QAM					
772998	3864.99	100	6.78	≤ 13.00	Pass
64QAM					
772998	3864.99	100	6.82	≤ 13.00	Pass
256QAM					
772998	3864.99	100	6.86	≤ 13.00	Pass



5.7. Conducted Spurious Emissions

5.7.1. 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.

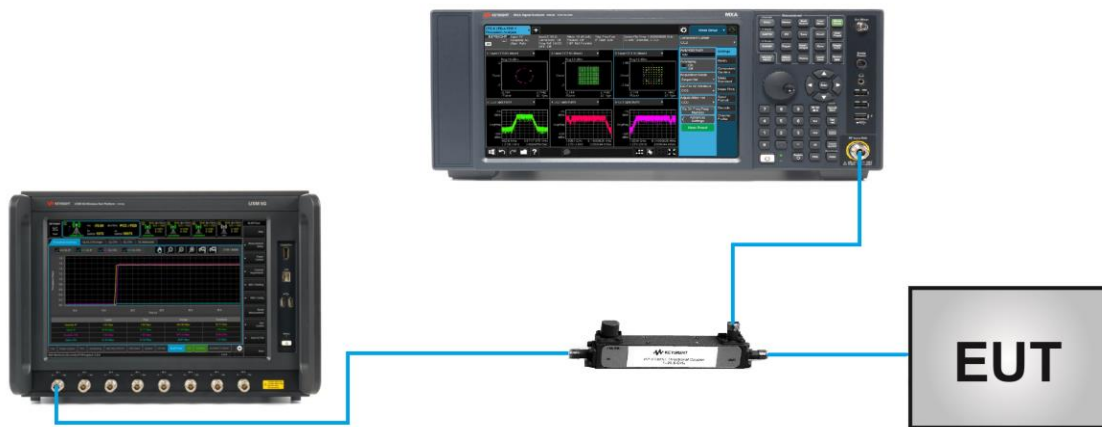
5.7.2. Test Procedure Used

ANSI C63.26-2015 - Section 5.7

5.7.3. Test Setting

1. Set the analyzer frequency to low, mid, high channel.
2. RBW = 1MHz
3. VBW $\geq 3 \cdot$ 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.

5.7.4. Test Setup



5.7.5. Test Result

Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2020/10/22
Test Band	n2/25_SA		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
370500	1852.5	5	30 ~ 20000	-24.14	≤ -13.00	Pass
376500	1882.5	5	30 ~ 20000	-27.35	≤ -13.00	Pass
382500	1912.5	5	30 ~ 20000	-26.43	≤ -13.00	Pass
371000	1855.0	10	30 ~ 20000	-26.96	≤ -13.00	Pass
376500	1882.5	10	30 ~ 20000	-27.44	≤ -13.00	Pass
382000	1910.0	10	30 ~ 20000	-27.59	≤ -13.00	Pass
371500	1857.5	15	30 ~ 20000	-27.13	≤ -13.00	Pass
376500	1882.5	15	30 ~ 20000	-26.97	≤ -13.00	Pass
381500	1907.5	15	30 ~ 20000	-27.59	≤ -13.00	Pass
372000	1860.0	20	30 ~ 20000	-27.92	≤ -13.00	Pass
376500	1882.5	20	30 ~ 20000	-27.21	≤ -13.00	Pass
381000	1905.0	20	30 ~ 20000	-27.15	≤ -13.00	Pass

5MHz Channel Bandwidth

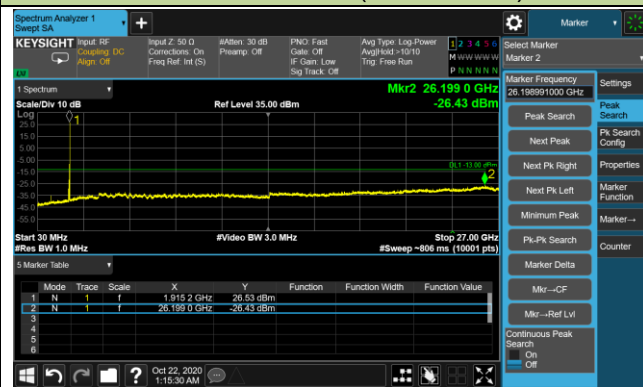
Channel 370500 (1852.5MHz)



Channel 376500 (1882.5MHz)

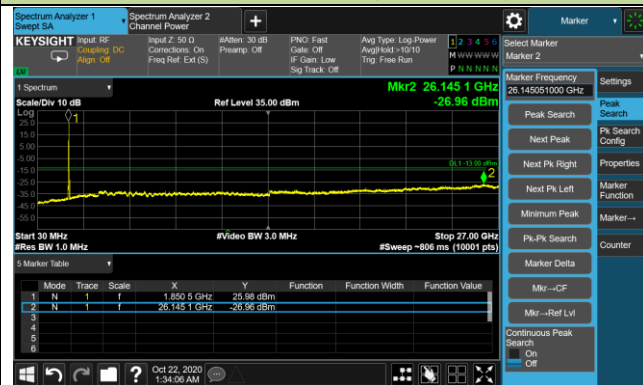


Channel 382500 (1912.5MHz)

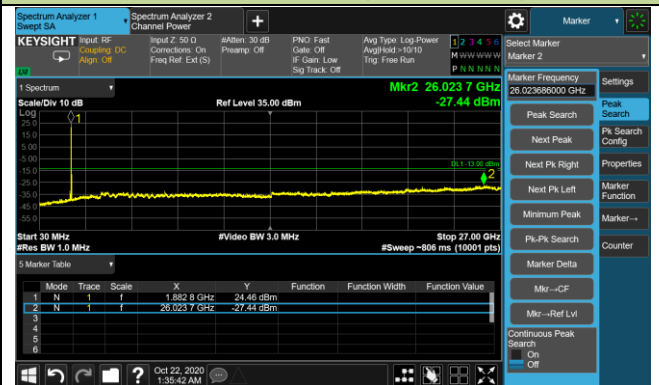


10MHz Channel Bandwidth

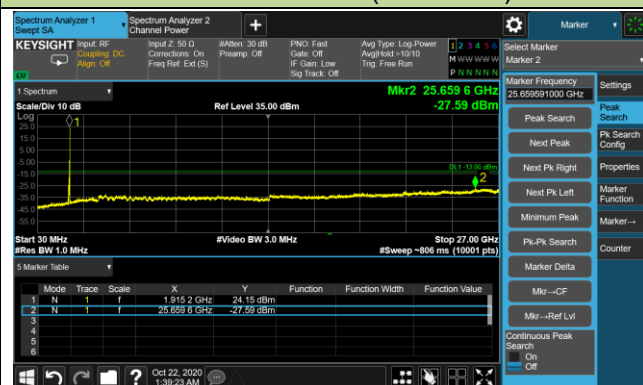
Channel 371000 (1855MHz)



Channel 376500 (1882.5MHz)

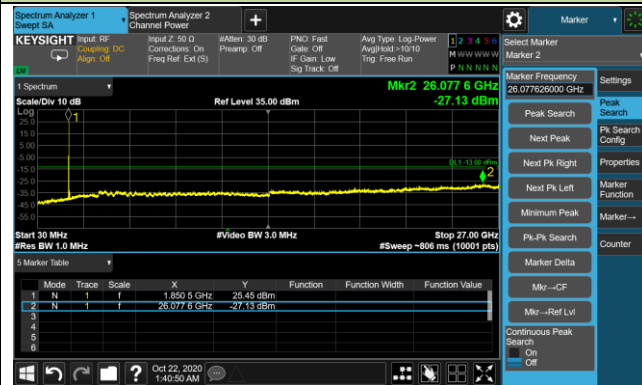


Channel 382000 (1910MHz)

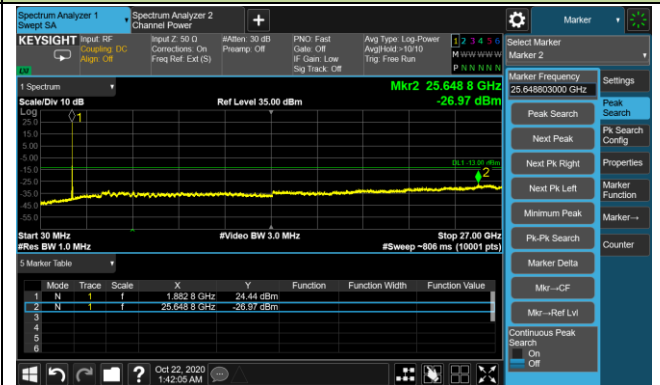


15MHz Channel Bandwidth

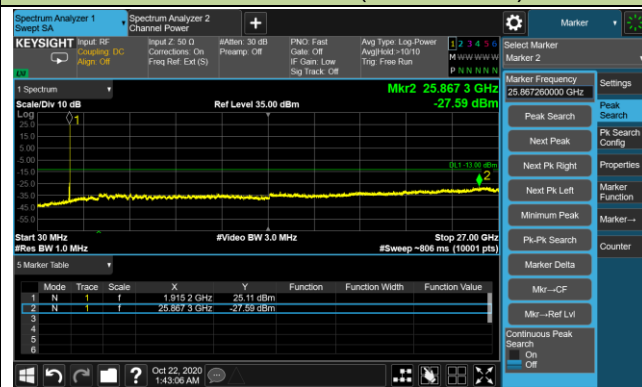
Channel 371500 (1857MHz)



Channel 376500 (1882.5MHz)

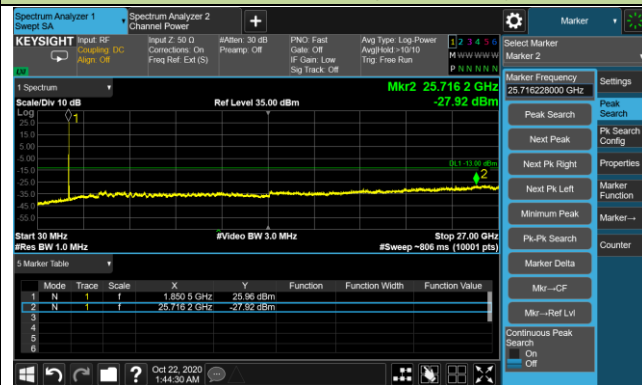


Channel 381500 (1907.5MHz)

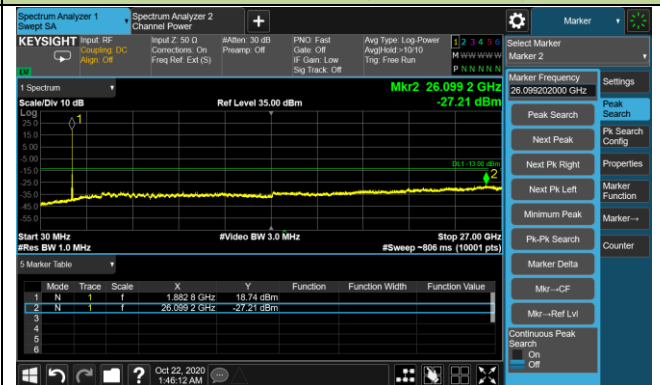


20MHz Channel Bandwidth

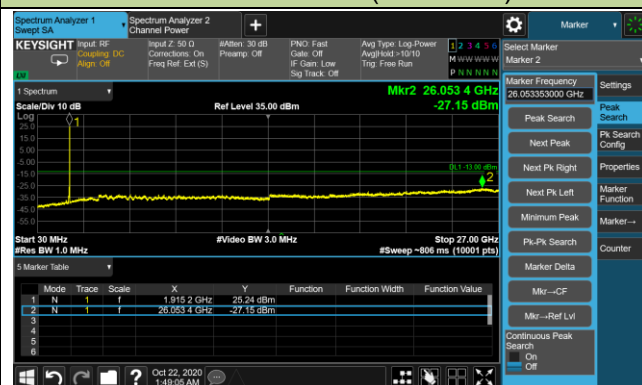
Channel 372000 (1860MHz)



Channel 376500 (1882.5MHz)



Channel 381000 (1905MHz)



Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2020/10/21
Test Band	n5_SA		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
165300	826.5	5	30 ~ 10000	-27.65	≤ -13.00	Pass
167300	836.5	5	30 ~ 10000	-25.99	≤ -13.00	Pass
169300	846.5	5	30 ~ 10000	-27.48	≤ -13.00	Pass
165800	829.0	10	30 ~ 10000	-27.74	≤ -13.00	Pass
167300	836.5	10	30 ~ 10000	-26.93	≤ -13.00	Pass
168800	844.0	10	30 ~ 10000	-27.06	≤ -13.00	Pass
166300	831.5	15	30 ~ 10000	-27.04	≤ -13.00	Pass
167300	836.5	15	30 ~ 10000	-26.42	≤ -13.00	Pass
168300	841.5	15	30 ~ 10000	-27.60	≤ -13.00	Pass
166800	834.0	20	30 ~ 10000	-26.25	≤ -13.00	Pass
167300	836.5	20	30 ~ 10000	-27.25	≤ -13.00	Pass
167800	839.0	20	30 ~ 10000	-27.80	≤ -13.00	Pass

5MHz Channel Bandwidth

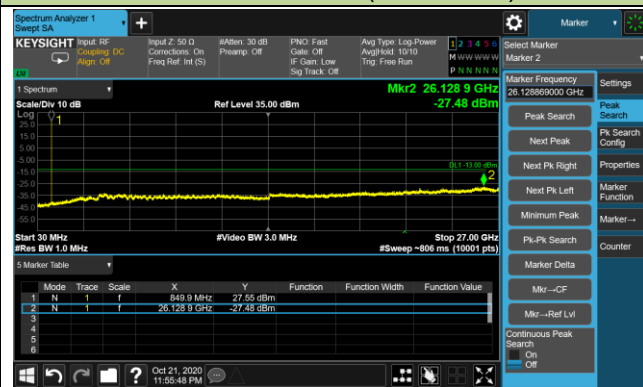
Channel 165300 (826.5MHz)



Channel 167300 (836.5MHz)



Channel 169300 (846.5MHz)

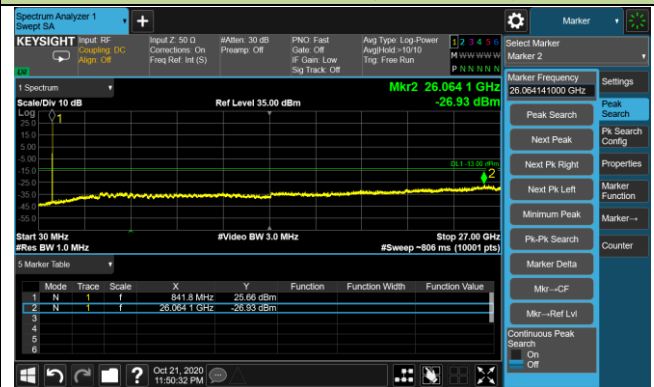


10MHz Channel Bandwidth

Channel 165800 (829MHz)



Channel 167300 (836.5MHz)



Channel 168800 (844MHz)



15MHz Channel Bandwidth

Channel 166300 (831.5MHz)



Channel 167300 (836.5MHz)



Channel 168300 (841.5MHz)

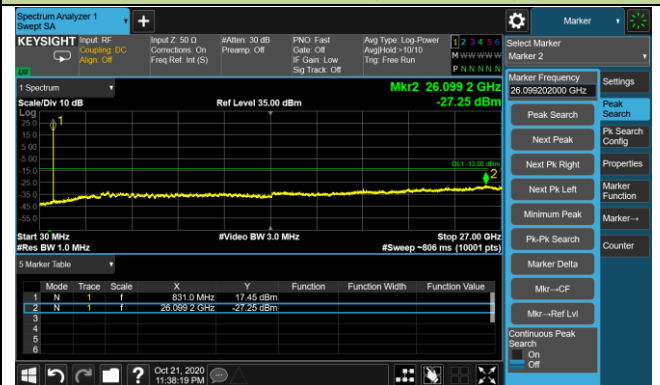


20MHz Channel Bandwidth

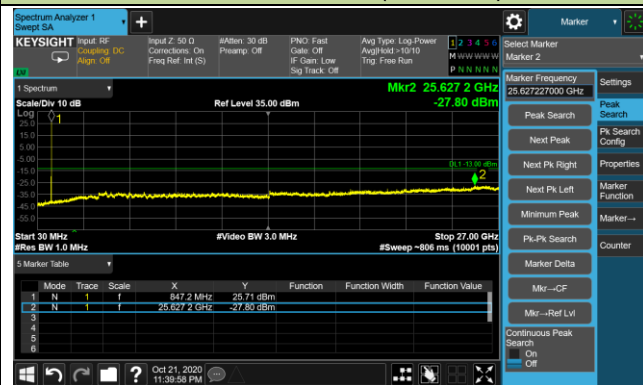
Channel 166800 (834MHz)



Channel 167300 (836.5MHz)



Channel 167800 (839MHz)



Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2020/10/22
Test Band	n7_SA		

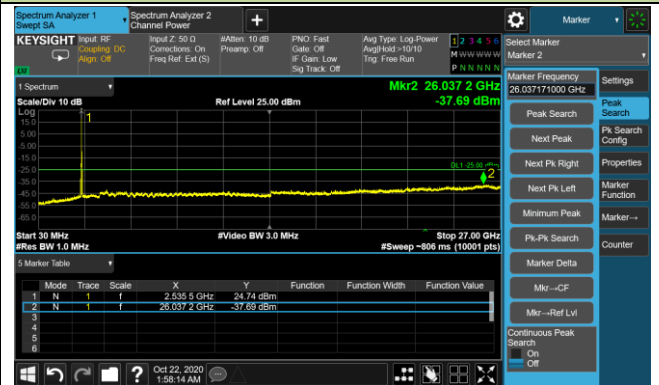
Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
500500	2502.5	5	30 ~ 26000	-36.58	≤ -25.00	Pass
507000	2535.0	5	30 ~ 26000	-37.69	≤ -25.00	Pass
513500	2567.5	5	30 ~ 26000	-37.58	≤ -25.00	Pass
501000	2505.0	10	30 ~ 26000	-37.26	≤ -25.00	Pass
507000	2535.0	10	30 ~ 26000	-37.82	≤ -25.00	Pass
513000	2565.0	10	30 ~ 26000	-37.05	≤ -25.00	Pass
501500	2507.5	15	30 ~ 26000	-37.16	≤ -25.00	Pass
507000	2535.0	15	30 ~ 26000	-37.98	≤ -25.00	Pass
512500	2562.5	15	30 ~ 26000	-37.86	≤ -25.00	Pass
502000	2510.0	20	30 ~ 26000	-37.51	≤ -25.00	Pass
507000	2535.0	20	30 ~ 26000	-37.46	≤ -25.00	Pass
512000	2560.0	20	30 ~ 26000	-37.45	≤ -25.00	Pass

5MHz Channel Bandwidth

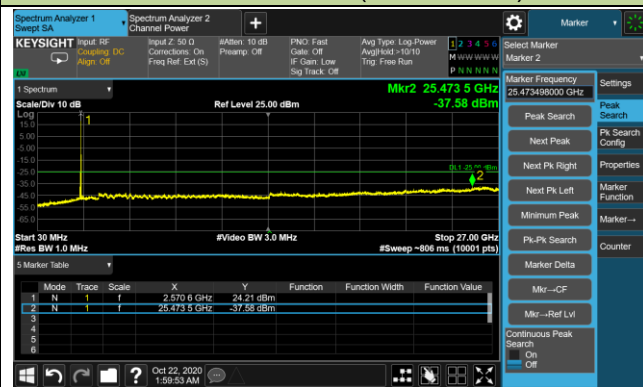
Channel 500500 (2502.5MHz)



Channel 507000 (2535MHz)

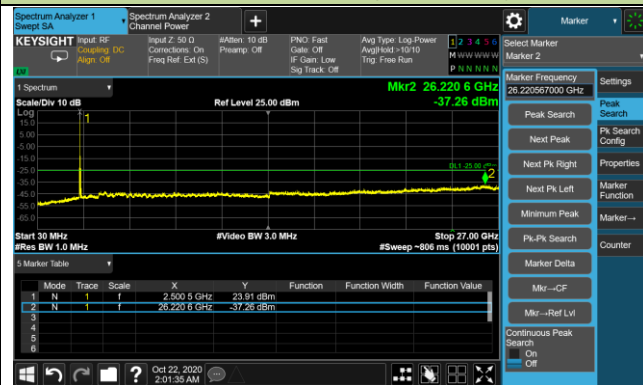


Channel 513500 (2567.5MHz)

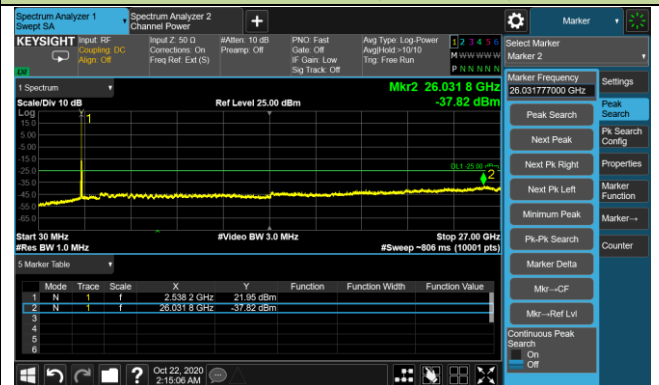


10MHz Channel Bandwidth

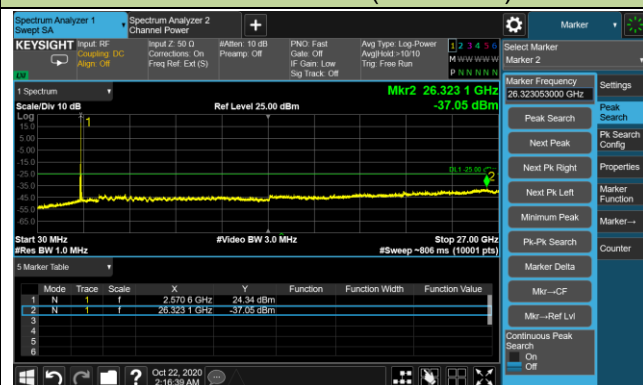
Channel 501000 (2505MHz)



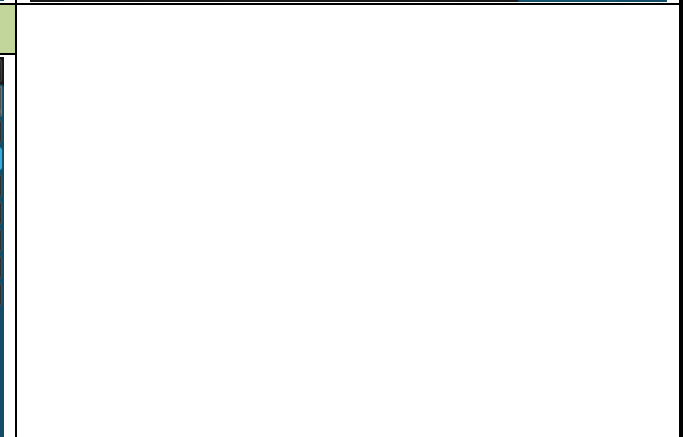
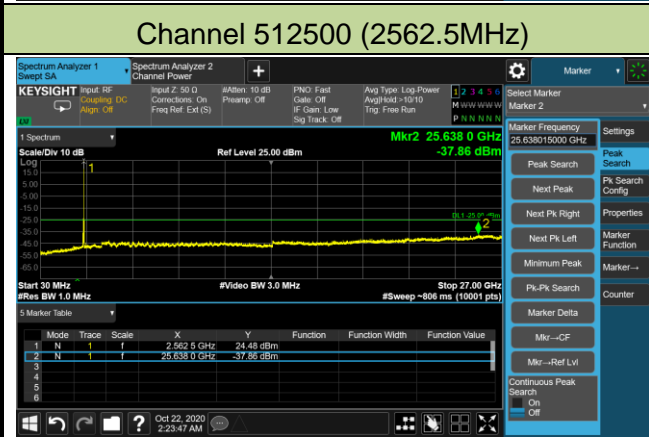
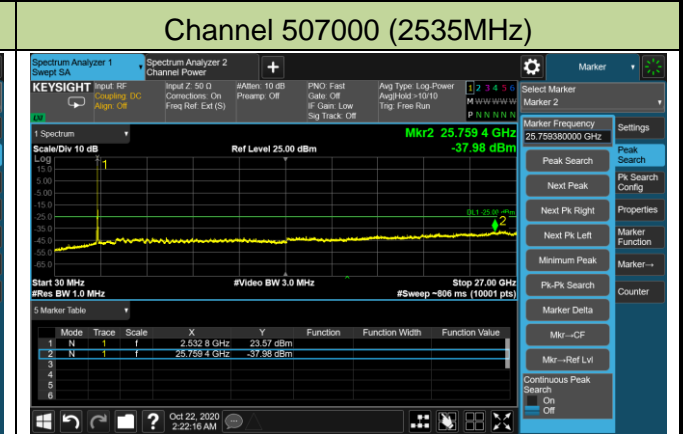
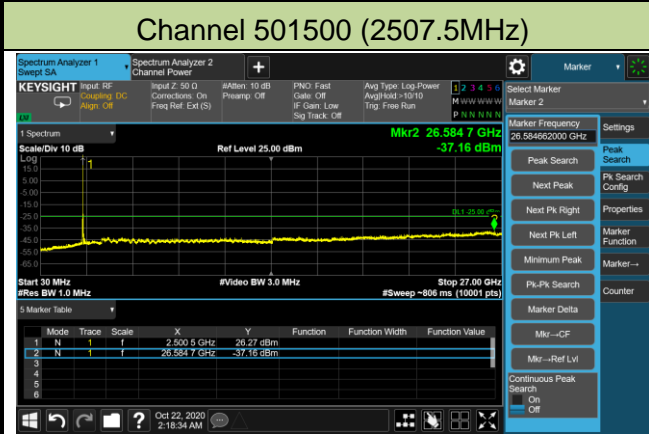
Channel 507000 (2535MHz)



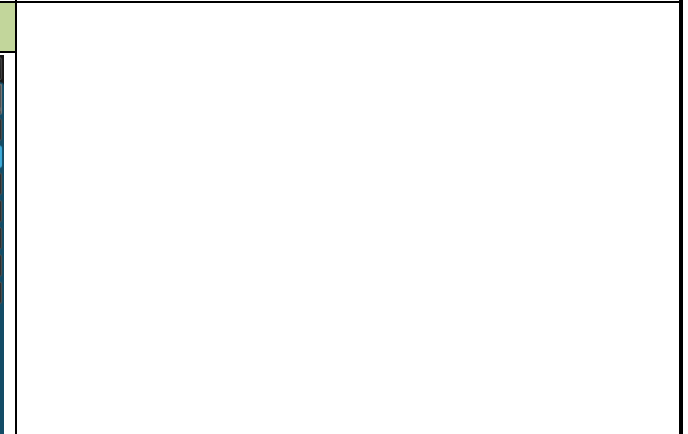
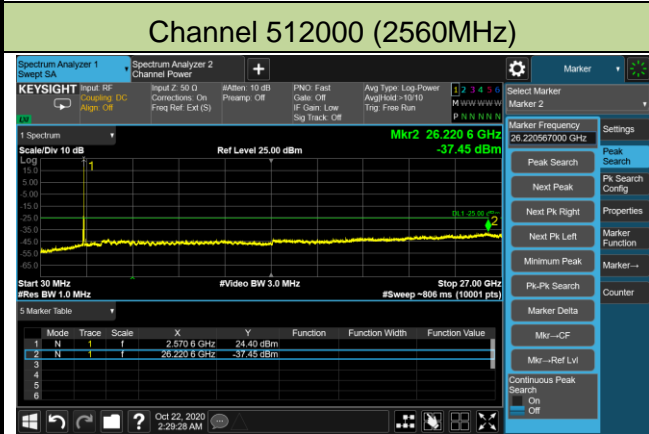
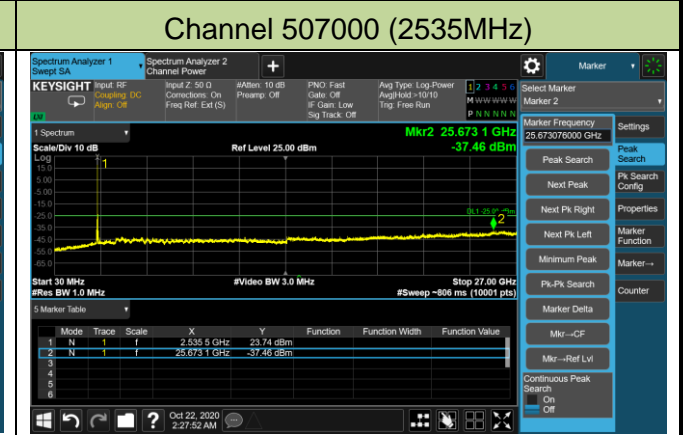
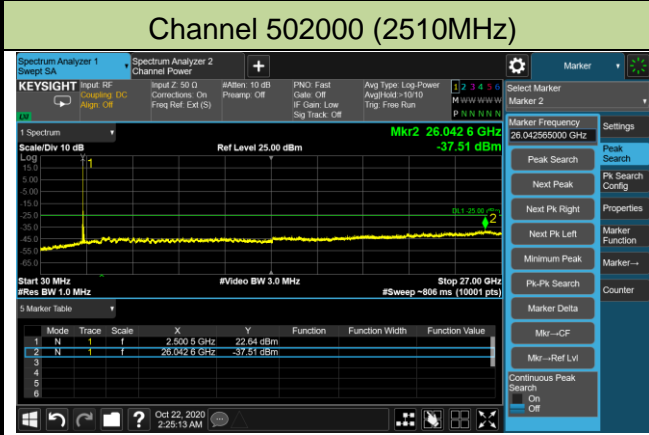
Channel 513000 (2565MHz)



15MHz Channel Bandwidth



20MHz Channel Bandwidth



Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2020/10/21
Test Band	n12_SA		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
140300	701.5	5	30 ~ 10000	-27.86	≤ -13.00	Pass
141500	707.5	5	30 ~ 10000	-26.66	≤ -13.00	Pass
142700	713.5	5	30 ~ 10000	-27.44	≤ -13.00	Pass
140800	704.0	10	30 ~ 10000	-27.40	≤ -13.00	Pass
141500	707.5	10	30 ~ 10000	-27.42	≤ -13.00	Pass
142200	711.0	10	30 ~ 10000	-27.92	≤ -13.00	Pass
141300	706.5	15	30 ~ 10000	-26.83	≤ -13.00	Pass
141500	707.5	15	30 ~ 10000	-26.90	≤ -13.00	Pass
141700	708.5	15	30 ~ 10000	-27.47	≤ -13.00	Pass

5MHz Channel Bandwidth

Channel 140300 (701.5MHz)

Channel 141500 (707.5MHz)

Channel 142700 (713.5MHz)

10MHz Channel Bandwidth

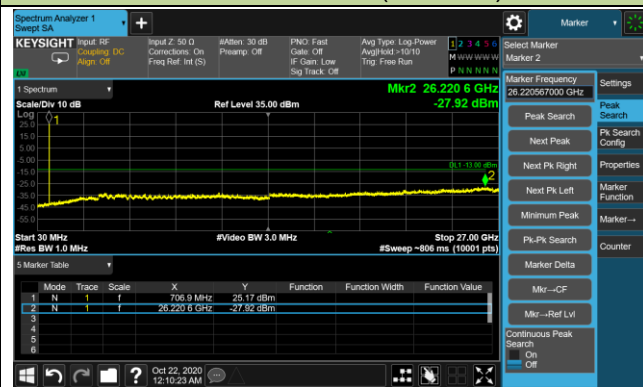
Channel 140800 (704MHz)



Channel 141500 (707.5MHz)

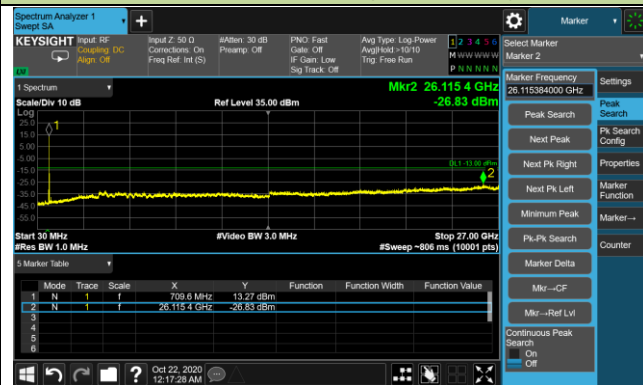


Channel 142200 (711MHz)



15MHz Channel Bandwidth

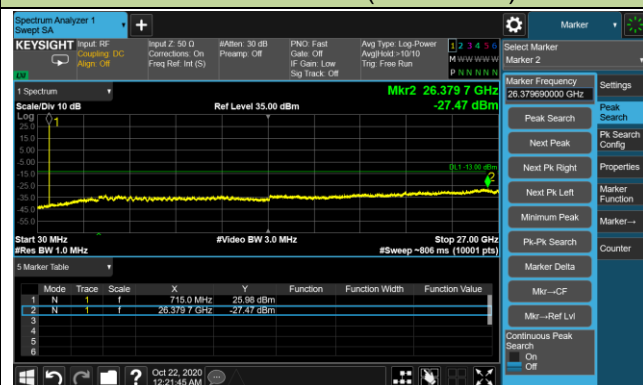
Channel 141300 (706.5MHz)



Channel 141500 (707.5MHz)



Channel 141700 (708.5MHz)



Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2020/10/22
Test Band	n66_SA		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
342500	1712.5	5	30 ~ 20000	-27.09	≤ -13.00	Pass
349000	1745.0	5	30 ~ 20000	-27.23	≤ -13.00	Pass
355500	1777.5	5	30 ~ 20000	-26.84	≤ -13.00	Pass
343000	1715.0	10	30 ~ 20000	-27.61	≤ -13.00	Pass
349000	1745.0	10	30 ~ 20000	-27.48	≤ -13.00	Pass
355000	1775.0	10	30 ~ 20000	-27.28	≤ -13.00	Pass
343500	1717.5	15	30 ~ 20000	-27.59	≤ -13.00	Pass
349000	1745.0	15	30 ~ 20000	-27.14	≤ -13.00	Pass
354500	1772.5	15	30 ~ 20000	-27.67	≤ -13.00	Pass
344000	1720.0	20	30 ~ 20000	-27.51	≤ -13.00	Pass
349000	1745.0	20	30 ~ 20000	-27.34	≤ -13.00	Pass
354000	1770.0	20	30 ~ 20000	-27.57	≤ -13.00	Pass

5MHz Channel Bandwidth

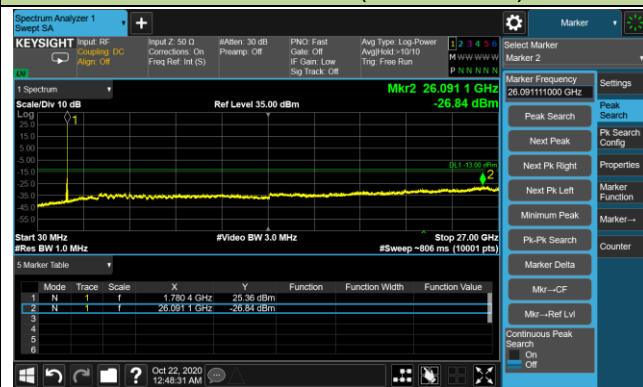
Channel 342500 (1712.5MHz)



Channel 349000 (1745MHz)

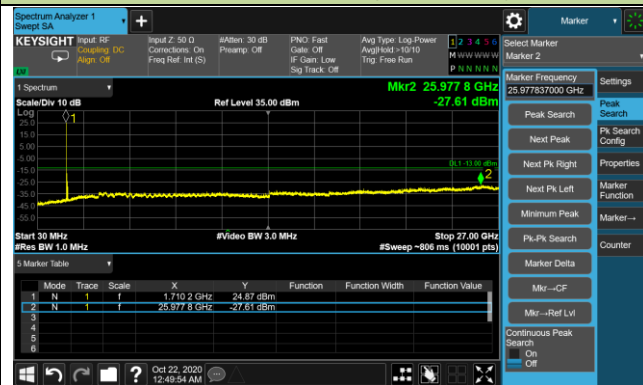


Channel 355500 (1777.5MHz)



10MHz Channel Bandwidth

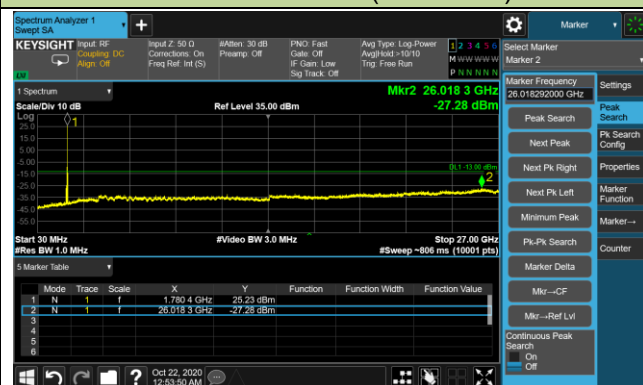
Channel 343000 (1715MHz)



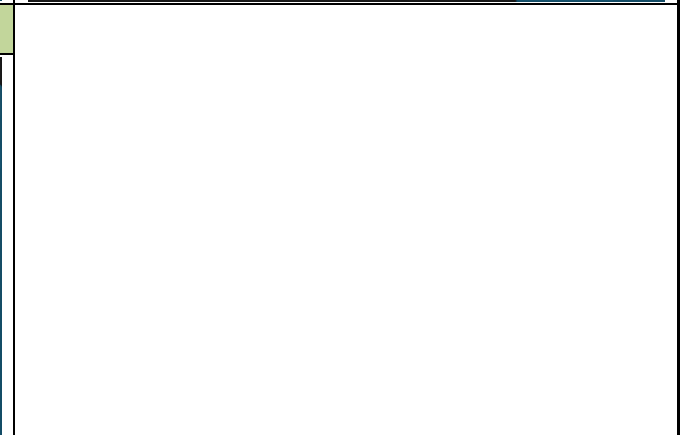
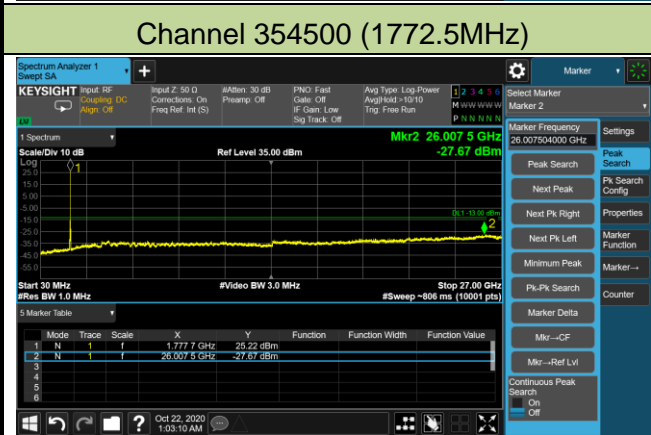
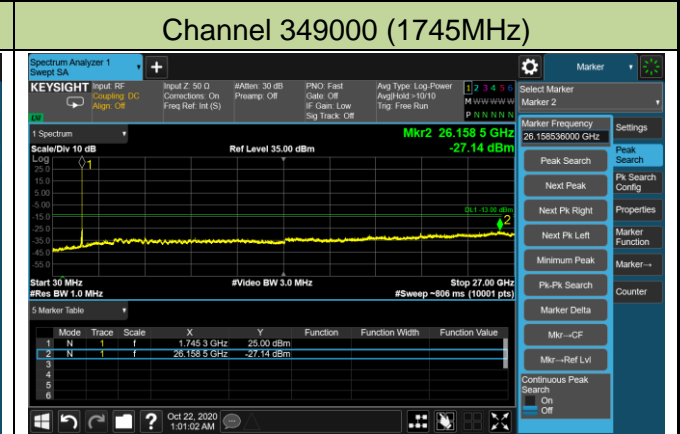
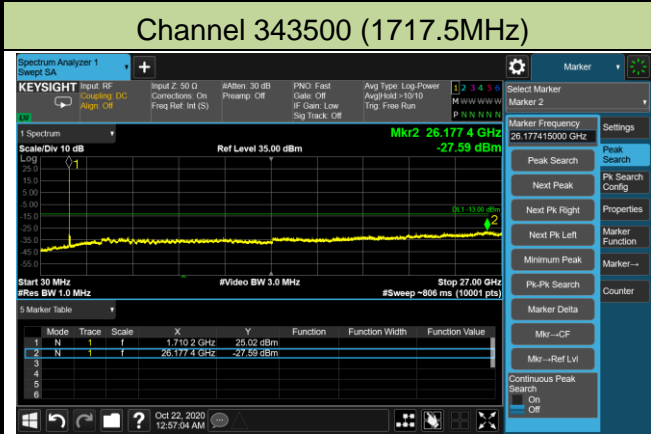
Channel 349000 (1745MHz)



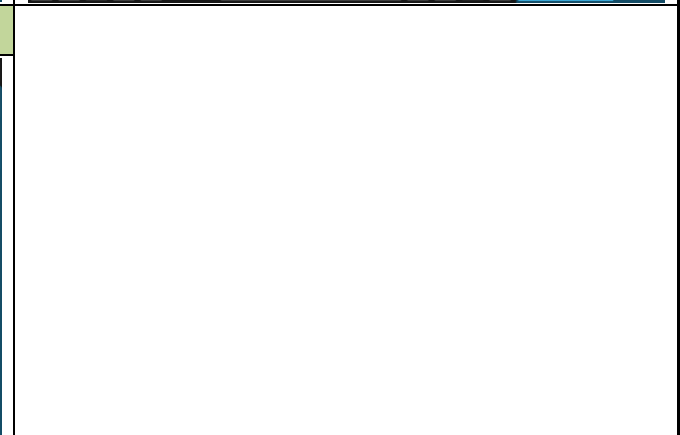
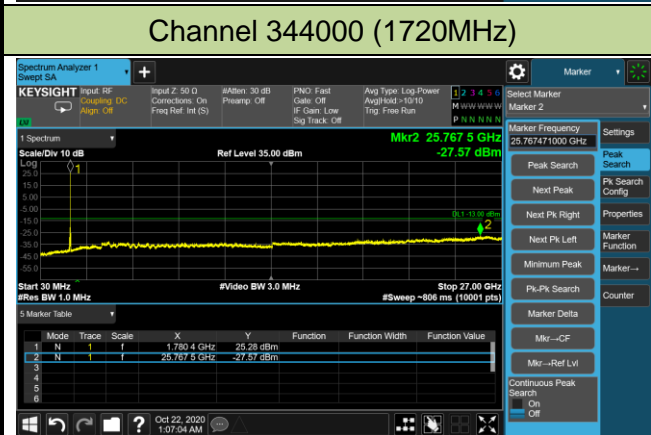
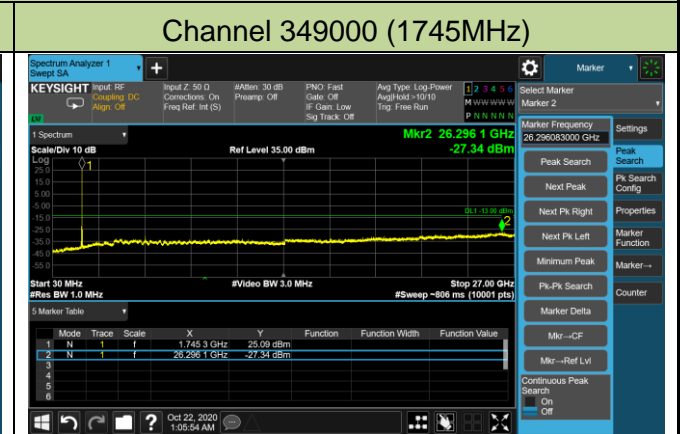
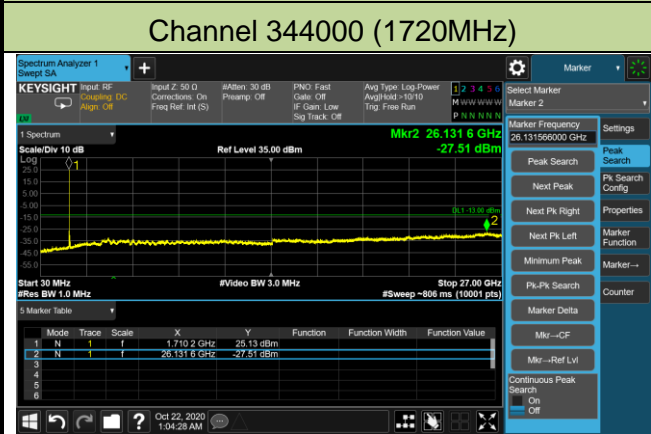
Channel 355000 (1775MHz)



15MHz Channel Bandwidth



20MHz Channel Bandwidth



Product	5G Sub-6 GHz M.2 Module	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2020/10/22
Test Band	n71_SA		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
133100	665.5	5	30 ~ 10000	-27.60	≤ -13.00	Pass
136100	680.5	5	30 ~ 10000	-26.53	≤ -13.00	Pass
139100	695.5	5	30 ~ 10000	-27.49	≤ -13.00	Pass
133600	668.0	10	30 ~ 10000	-26.76	≤ -13.00	Pass
136100	680.5	10	30 ~ 10000	-27.33	≤ -13.00	Pass
138600	693.0	10	30 ~ 10000	-26.62	≤ -13.00	Pass
134100	670.5	15	30 ~ 10000	-27.19	≤ -13.00	Pass
136100	680.5	15	30 ~ 10000	-26.94	≤ -13.00	Pass
138100	690.5	15	30 ~ 10000	-27.48	≤ -13.00	Pass
134600	673.0	20	30 ~ 10000	-26.99	≤ -13.00	Pass
136100	680.5	20	30 ~ 10000	-26.60	≤ -13.00	Pass
137600	688.0	20	30 ~ 10000	-27.37	≤ -13.00	Pass

5MHz Channel Bandwidth

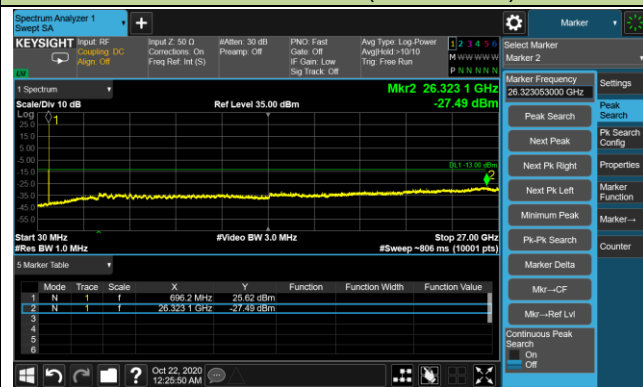
Channel 133100 (665.5MHz)



Channel 136100 (680.5MHz)



Channel 139100 (695.5MHz)



10MHz Channel Bandwidth

Channel 133600 (668MHz)



Channel 136100 (680.5MHz)



Channel 138600 (693MHz)

