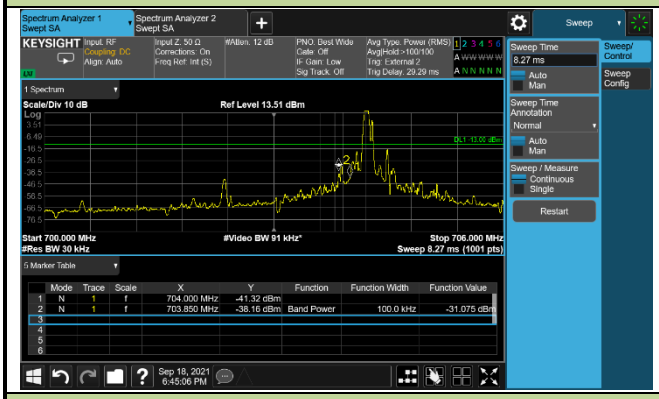
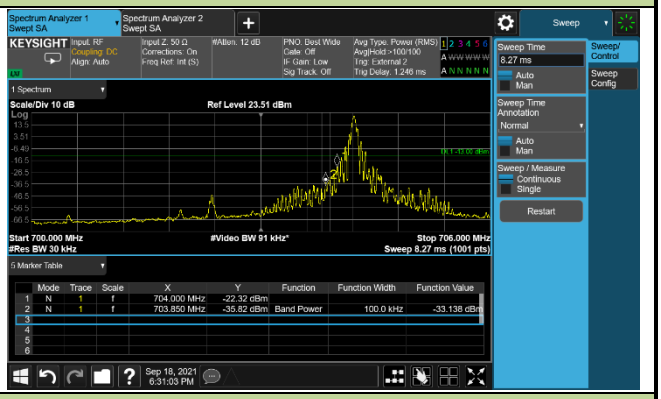
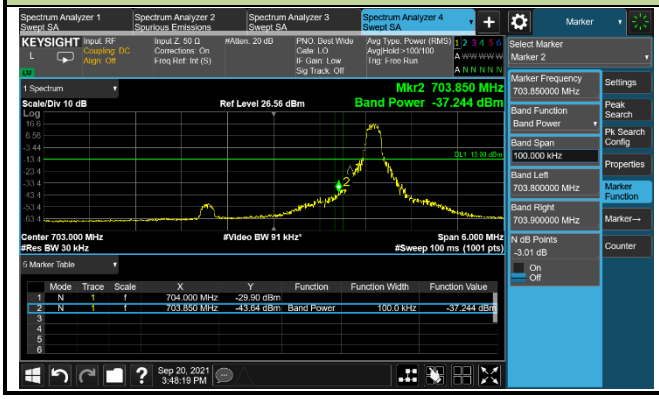
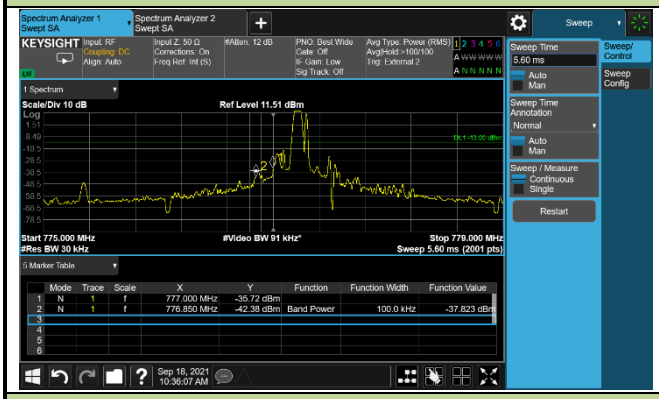
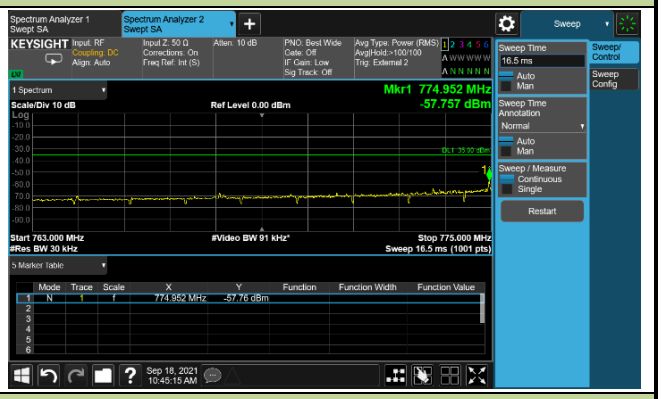
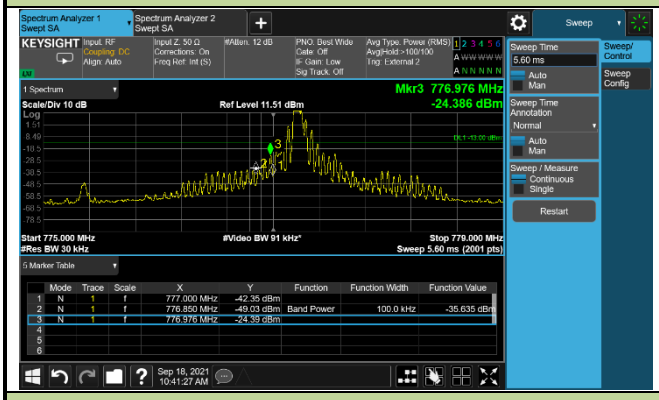
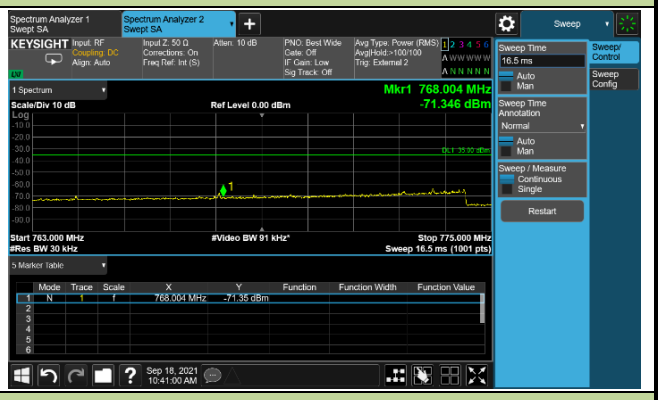
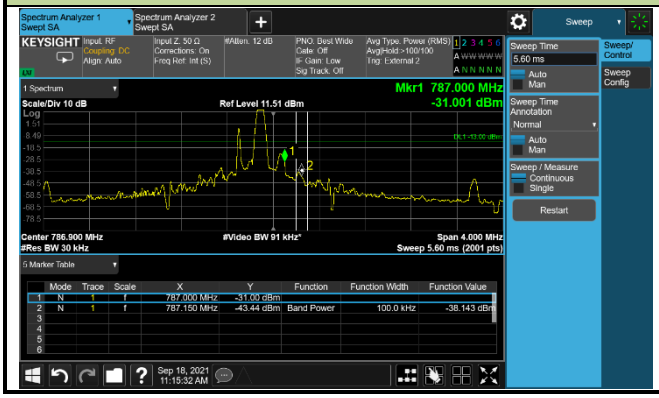
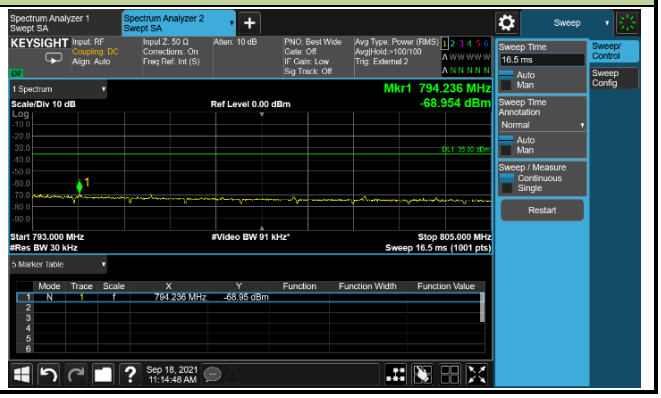
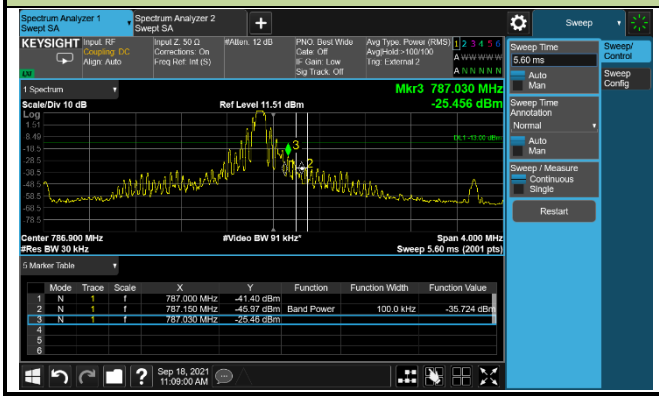
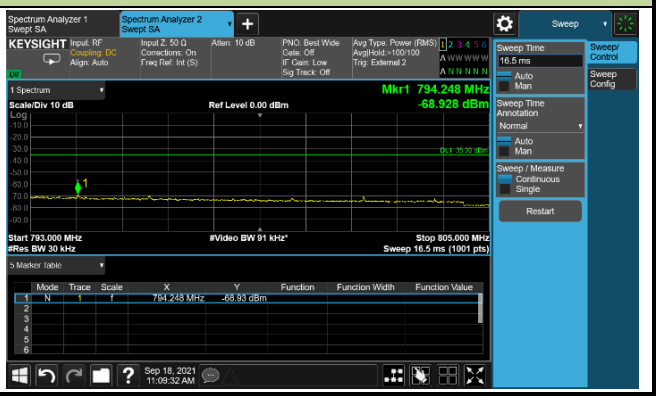
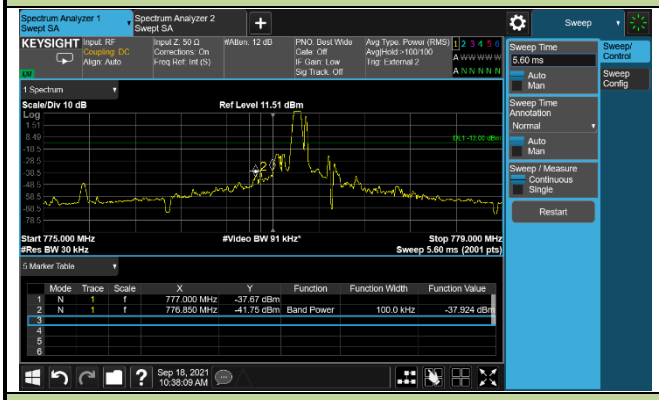
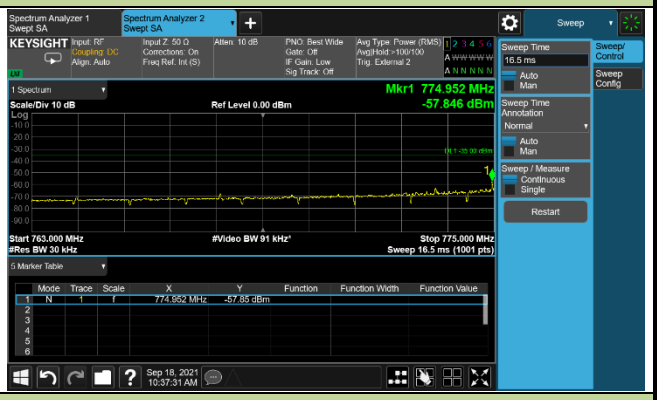
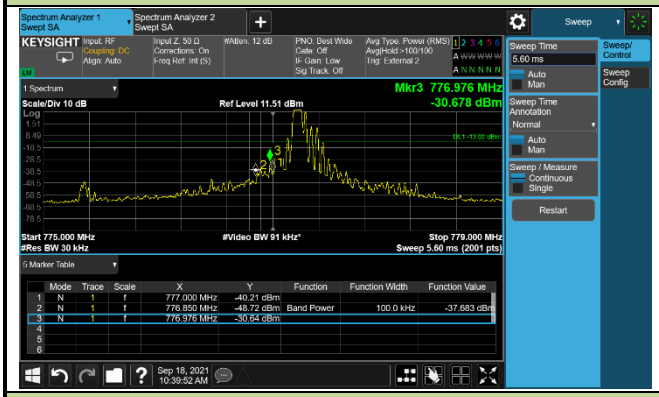
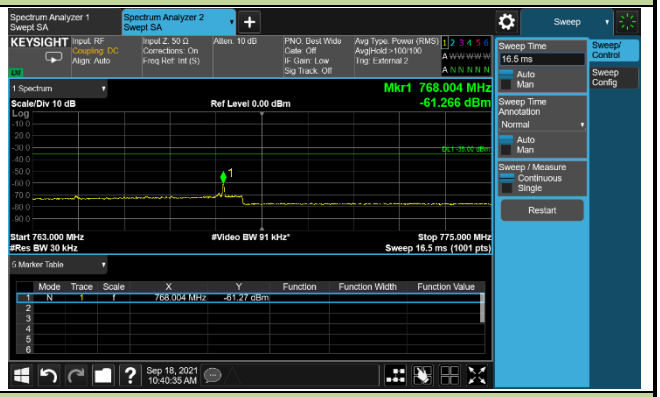
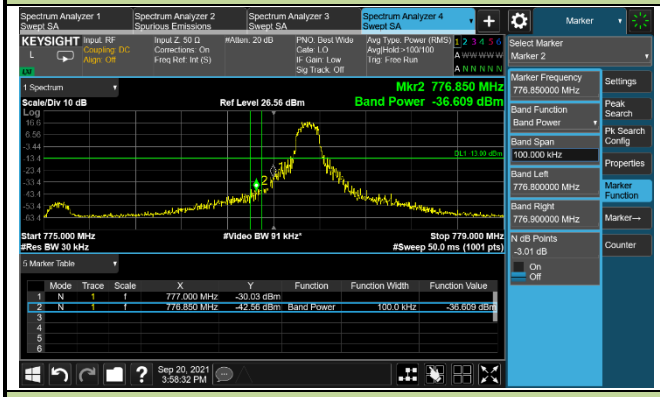
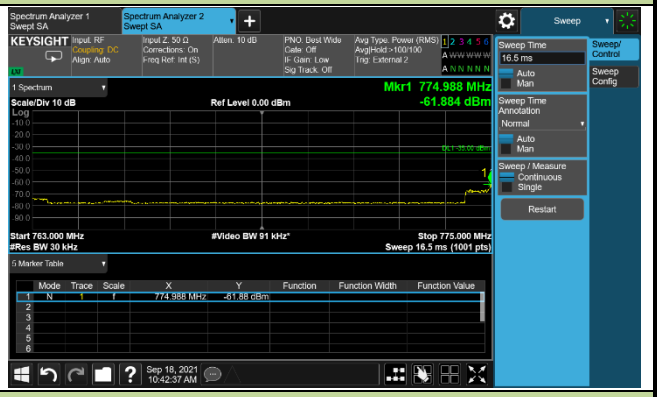
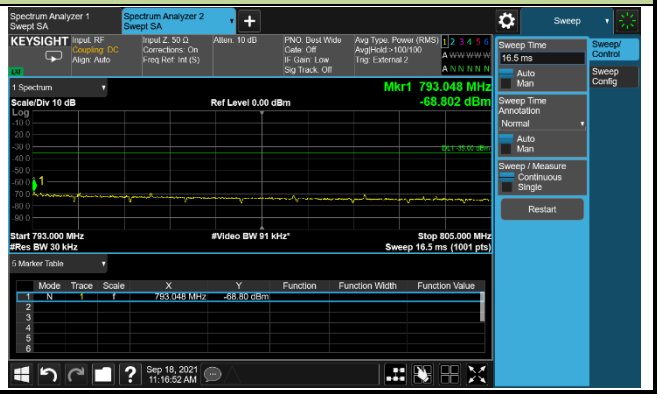
Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/18
Test Band	Band 17	Test Result	Pass

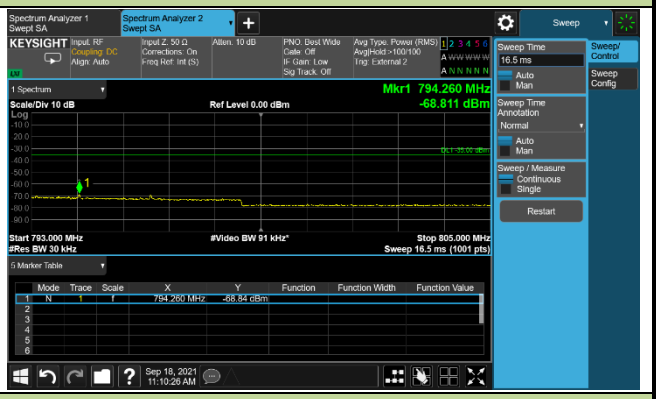
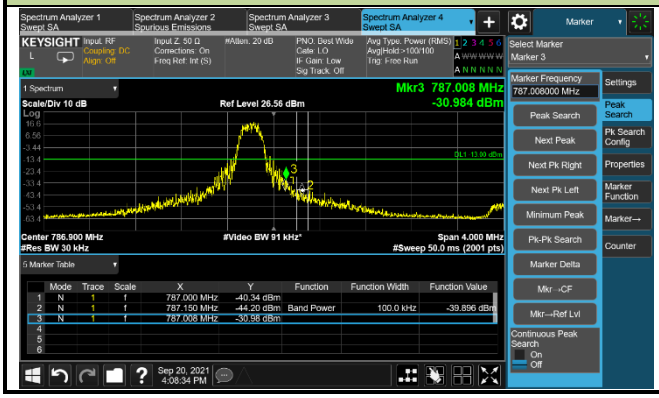
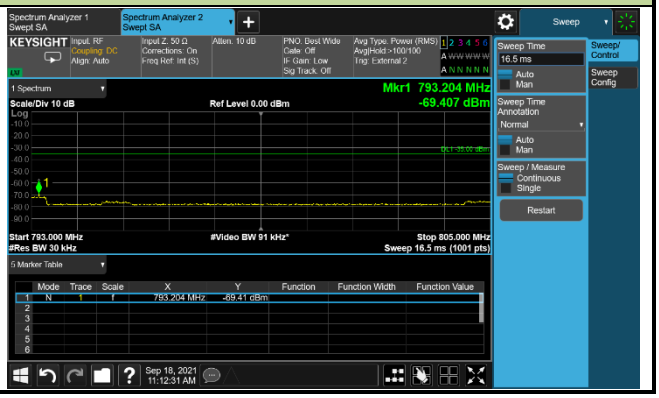
BPSK	
3.75kHz 1@0 CH-Low	15kHz 1@0 CH-Low
	
QPSK	
3.75kHz 1@0 CH-Low	15kHz 1@0 CH-Low
	
Band 12 15 kHz 12@0 CH-Low	
	

Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/18
Test Band	Band 13	Test Result	Pass

BPSK	
3.75kHz 1@0 CH-Low-1	3.75kHz 1@0 CH-Low-2
	
15kHz 1@0 CH-Low-1	15kHz 1@0 CH-Low-2
	
3.75kHz 1@47 CH-High-1	3.75kHz 1@47 CH-High-2
	

15kHz 1@11 CH-High-1	15kHz 1@11 CH-High-2
	

QPSK	
3.75kHz 1@0 CH-Low-1	3.75kHz 1@0 CH-Low-2
	
15kHz 1@0 CH-Low-1	15kHz 1@0 CH-Low-2
	
15kHz 12@0 CH-low-1	15kHz 12@0 CH-low-2
	
3.75kHz 1@47 CH-High-1	3.75kHz 1@47 CH-High-2
	

15kHz 1@11 CH-High-1	15kHz 1@11 CH-High-2
	
15kHz 12@0 CH-High-1	**15kHz 12@0 CH-High-2**
	

4.6. Peak to Average Ratio

4.6.1.Test Limit

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

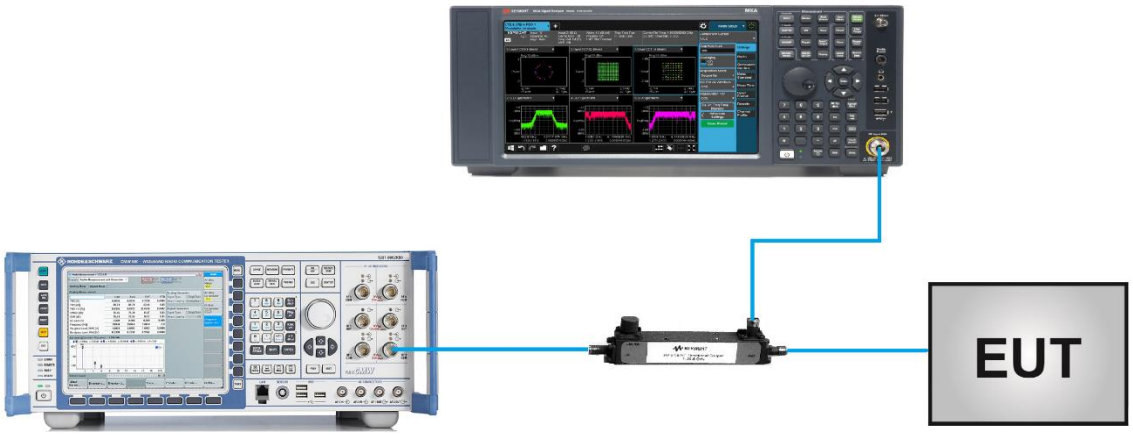
4.6.2.Test Procedure Used

ANSI C63.26-2015 - Section 5.2.3.4 (CCDF).

4.6.3.Test Setting

1. Set the resolution / measurement bandwidth ≥ signal's occupied bandwidth
2. Set the number of counts to a value that stabilizes the measured CCDF curve
3. Record the maximum PARR level associated with a probability of 0.1%

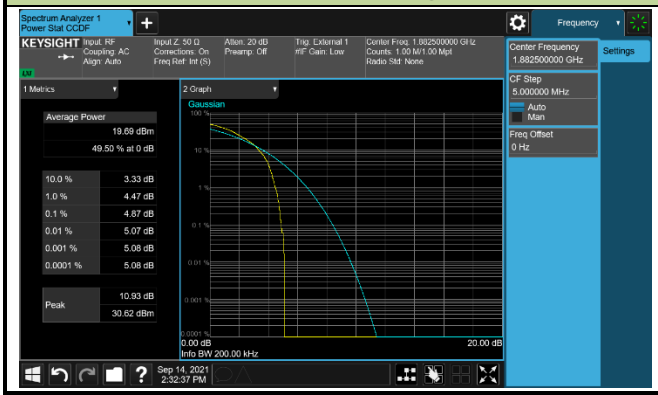
4.6.4.Test Setup



4.6.5.Test Result

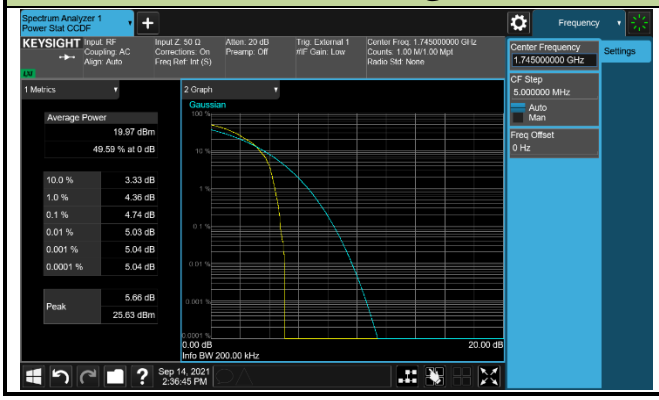
Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/14
Test Band	Band 2/25		

Frequency (MHz)	Sub-carrier spacing (kHz)	N_{tones}	Peak to Average Ratio (dB)	Limit (dB)	Result
1882.5	15	12@0	4.87	≤ 13.00	Pass

BPSK 15kHz 12@0	
	

Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/14
Test Band	Band 4/66		

Frequency (MHz)	Sub-carrier spacing (kHz)	N_{tones}	Peak to Average Ratio (dB)	Limit (dB)	Result
1745.0	15	12@0	4.74	≤ 13.00	Pass

BPSK 15kHz 12@0	
	

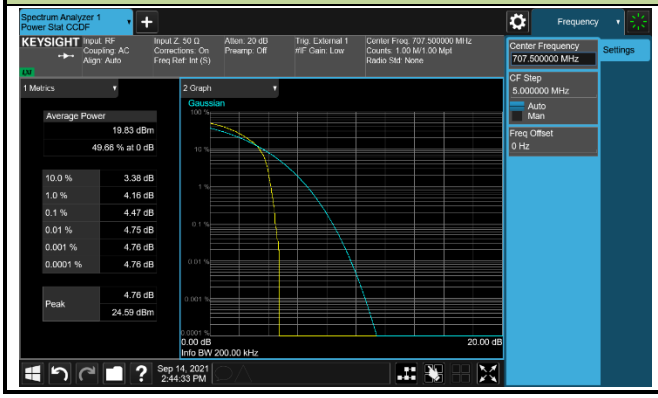
Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/14
Test Band	Band 5/26		

Frequency (MHz)	Sub-carrier spacing (kHz)	N_{tones}	Peak to Average Ratio (dB)	Limit (dB)	Result
836.5	15	12@0	4.74	≤ 13.00	Pass

BPSK 15kHz 12@0	
	

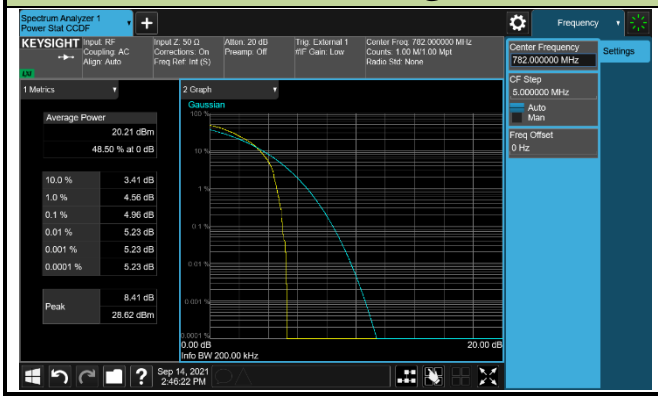
Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/14
Test Band	Band 17/12		

Frequency (MHz)	Sub-carrier spacing (kHz)	N_{tones}	Peak to Average Ratio (dB)	Limit (dB)	Result
706.0	15	12@0	4.47	≤ 13.00	Pass

BPSK 15kHz 12@0	
	

Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/14
Test Band	Band 13		

Frequency (MHz)	Sub-carrier spacing (kHz)	N_{tones}	Peak to Average Ratio (dB)	Limit (dB)	Result
782.0	15	12@0	4.96	≤ 13.00	Pass

BPSK 15kHz 12@0	
	

4.7. Conducted Spurious Emissions

4.7.1.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.

4.7.2.Test Procedure Used

ANSI C63.26-2015 - Section 5.7

4.7.3.Test Setting

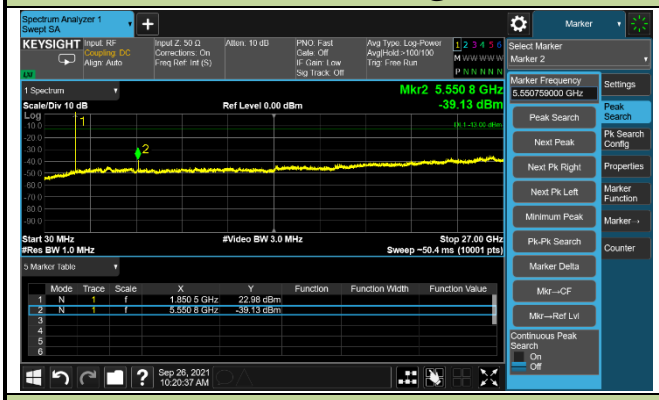
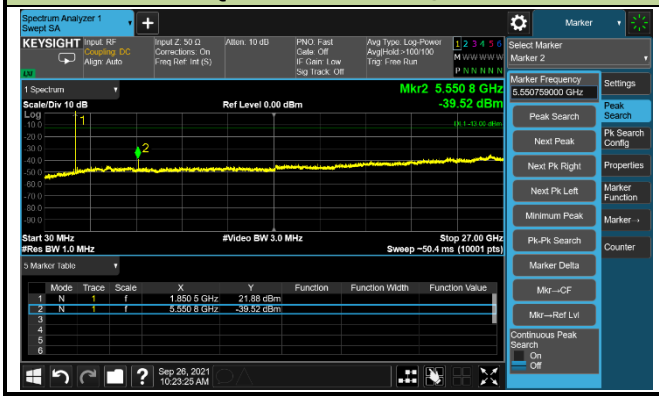
1. Set the analyzer frequency to low, mid, high channel.
2. RBW = 1MHz
3. VBW ≥ 3*RBW
4. Sweep time = auto
5. Detector = power averaging (rms)
6. Set sweep trigger to “free run.”
7. User gate triggered such that the analyzer only sweeps when the device is transmitting at full power.
8. Trace average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

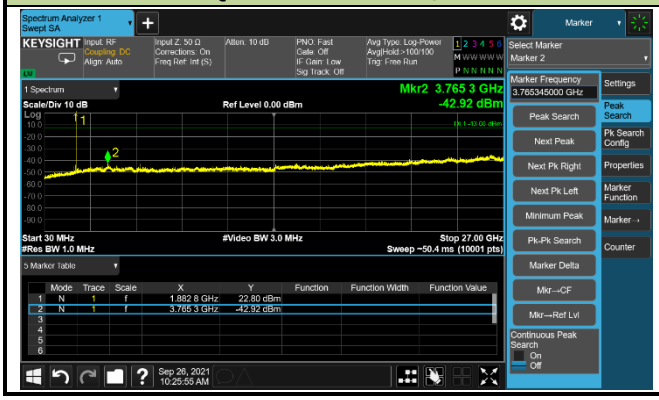
4.7.4.Test Setup

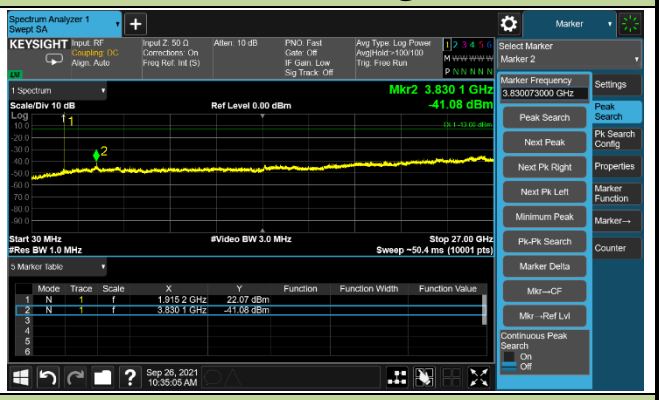
4.7.5.Test Result

Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/26
Test Band	Band 2/25		

Frequency (MHz)	Sub-carrier spacing (kHz)	N_{tones}	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
BPSK						
1850.2	3.75	1@0	30 ~ 27000	-39.13	≤ -13.00	Pass
1850.2	15	1@0	30 ~ 27000	-39.33	≤ -13.00	Pass
1882.5	3.75	1@23	30 ~ 27000	-42.23	≤ -13.00	Pass
1882.5	15	1@5	30 ~ 27000	-42.97	≤ -13.00	Pass
1914.8	3.75	1@47	30 ~ 27000	-44.72	≤ -13.00	Pass
1914.8	15	1@11	30 ~ 27000	-41.08	≤ -13.00	Pass
QPSK						
1850.2	3.75	1@0	30 ~ 27000	-39.07	≤ -13.00	Pass
1850.2	15	1@0	30 ~ 27000	-38.83	≤ -13.00	Pass
1850.2	15	12@0	30 ~ 27000	-39.52	≤ -13.00	Pass
1882.5	3.75	1@23	30 ~ 27000	-42.05	≤ -13.00	Pass
1882.5	15	1@5	30 ~ 27000	-42.82	≤ -13.00	Pass
1882.5	15	12@0	30 ~ 27000	-42.92	≤ -13.00	Pass
1914.8	3.75	1@47	30 ~ 27000	-41.53	≤ -13.00	Pass
1914.8	15	1@11	30 ~ 27000	-42.23	≤ -13.00	Pass
1914.8	15	12@0	30 ~ 27000	-40.91	≤ -13.00	Pass

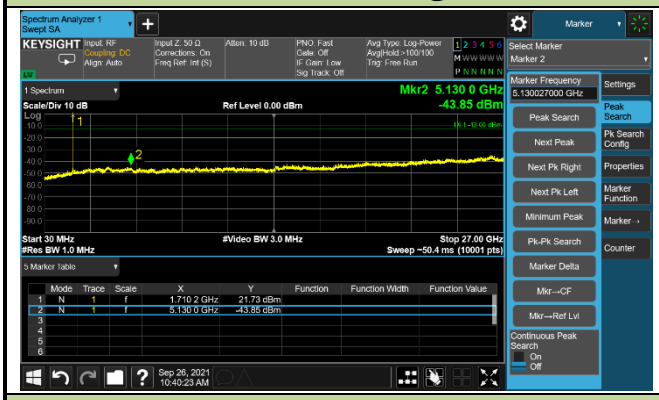
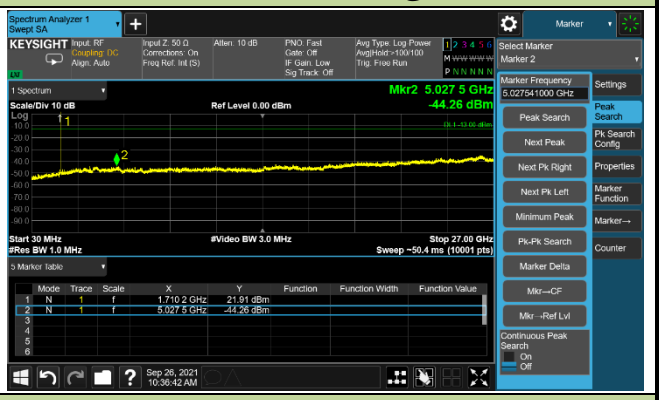
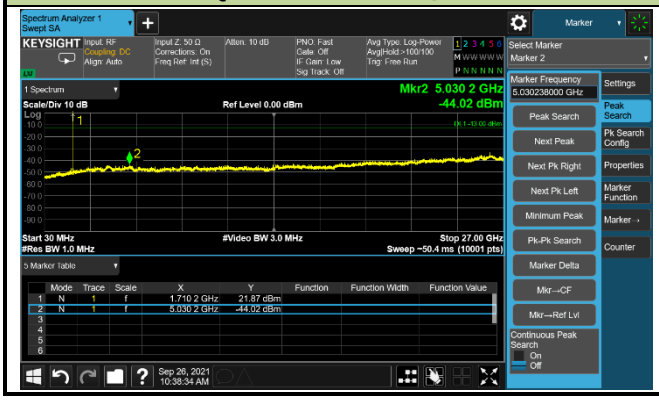
1850.2 MHz	
BPSK 3.75kHz 1@0	BPSK 15kHz 1@0
	
QPSK 3.75kHz 1@0	QPSK 15kHz 1@0
	
QPSK 15kHz 12@0	
	

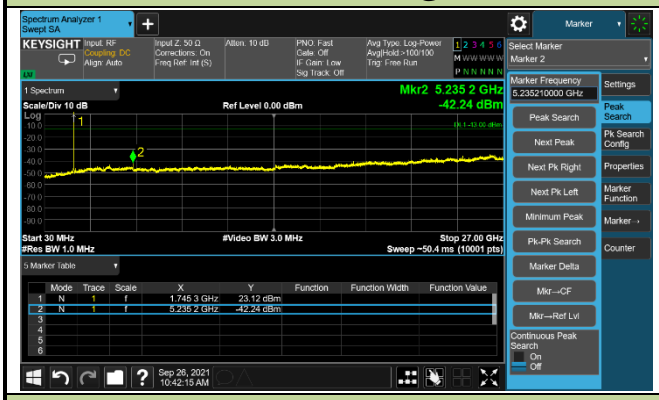
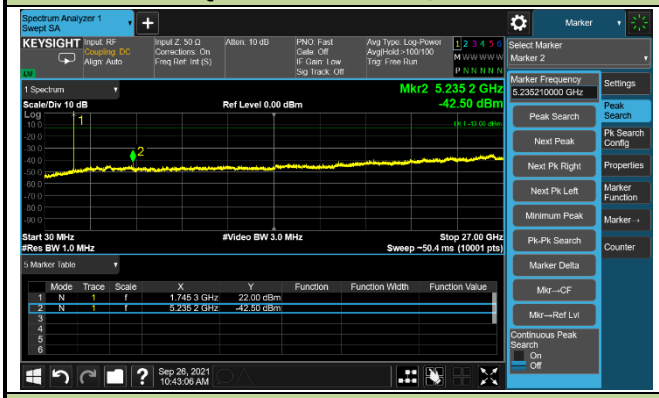
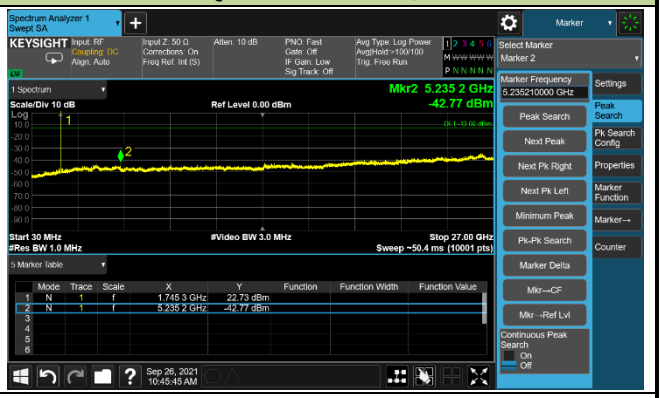
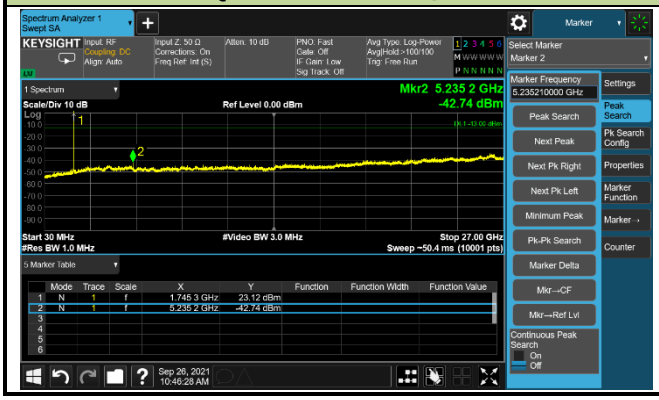
1882.5 MHz	
BPSK 3.75kHz 1@23	BPSK 15kHz 1@5
	
QPSK 3.75kHz 1@23	QPSK 15kHz 1@5
	
QPSK 15kHz 12@0	
	

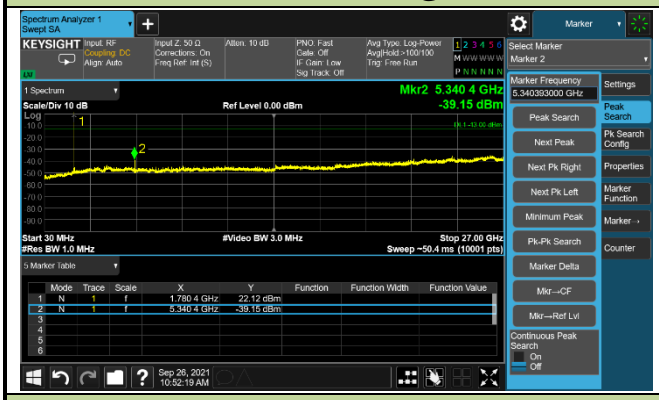
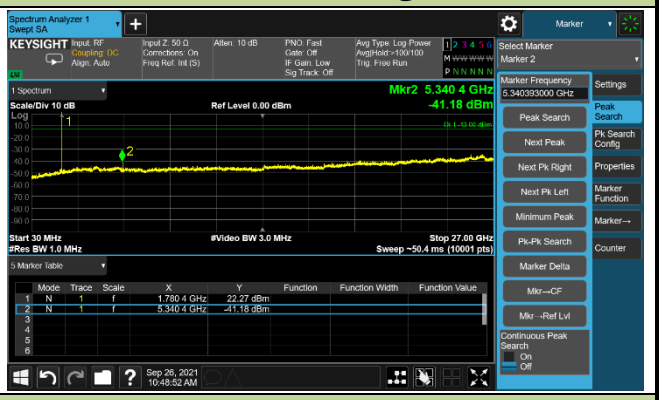
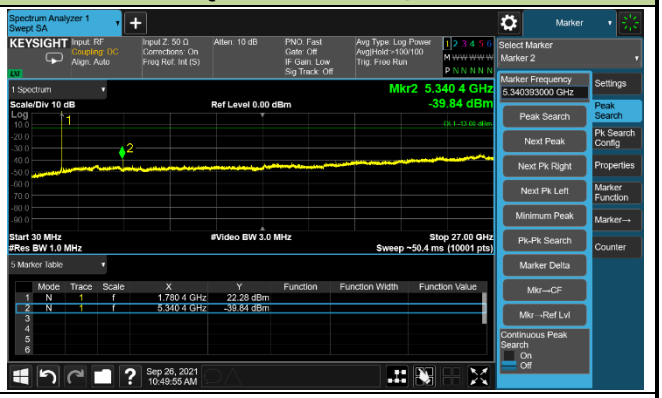
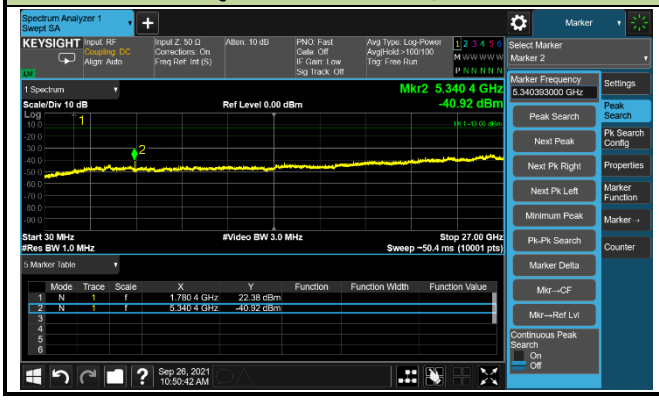
1914.8 MHz	
BPSK 3.75kHz 1@47	BPSK 15kHz 1@11
	
QPSK 3.75kHz 1@47	QPSK 15kHz 1@11
	
QPSK 15kHz 12@0	
	

Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/26
Test Band	Band 4/66		

Frequency (MHz)	Sub-carrier spacing (kHz)	N_{tones}	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
BPSK						
1710.1	3.75	1@0	30 ~ 27000	-43.85	≤ -13.00	Pass
1710.1	15	1@0	30 ~ 27000	-44.26	≤ -13.00	Pass
1745.0	3.75	1@23	30 ~ 27000	-42.24	≤ -13.00	Pass
1745.0	15	1@5	30 ~ 27000	-42.22	≤ -13.00	Pass
1779.9	3.75	1@47	30 ~ 27000	-39.15	≤ -13.00	Pass
1779.9	15	1@11	30 ~ 27000	-41.18	≤ -13.00	Pass
QPSK						
1710.1	3.75	1@0	30 ~ 27000	-44.17	≤ -13.00	Pass
1710.1	15	1@0	30 ~ 27000	-43.71	≤ -13.00	Pass
1710.1	15	12@0	30 ~ 27000	-44.02	≤ -13.00	Pass
1745.0	3.75	1@23	30 ~ 27000	-42.50	≤ -13.00	Pass
1745.0	15	1@5	30 ~ 27000	-42.77	≤ -13.00	Pass
1745.0	15	12@0	30 ~ 27000	-42.74	≤ -13.00	Pass
1779.9	3.75	1@47	30 ~ 27000	-40.54	≤ -13.00	Pass
1779.9	15	1@11	30 ~ 27000	-39.84	≤ -13.00	Pass
1779.9	15	12@0	30 ~ 27000	-40.92	≤ -13.00	Pass

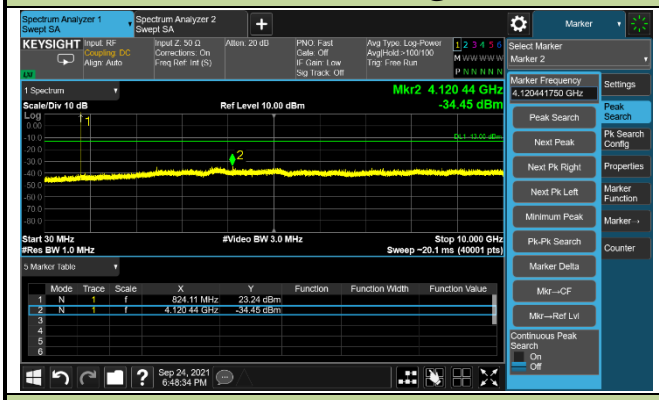
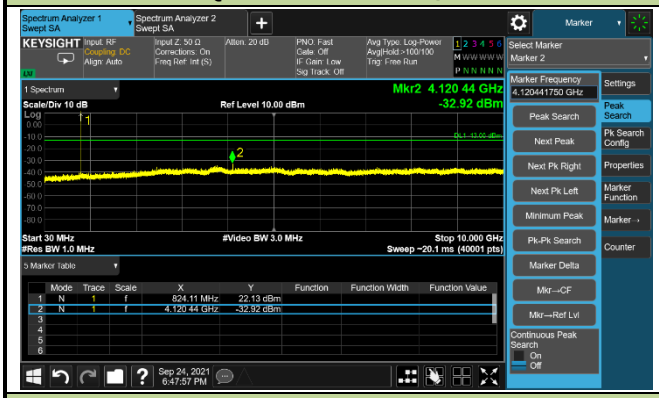
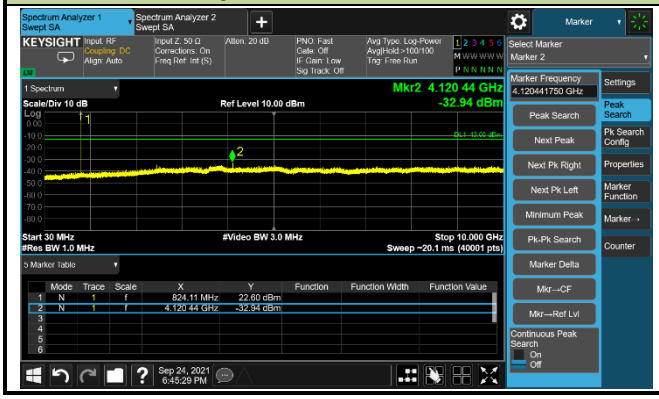
1710.1 MHz	
BPSK 3.75kHz 1@0	BPSK 15kHz 1@0
	
QPSK 3.75kHz 1@0	QPSK 15kHz 1@0
	
QPSK 15kHz 12@0	
	

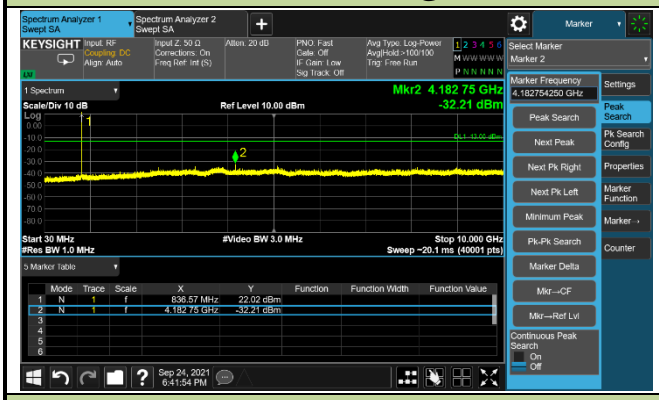
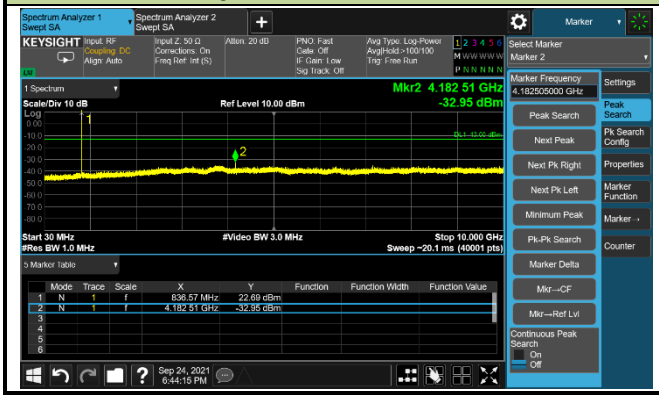
1745 MHz	
BPSK 3.75kHz 1@23	BPSK 15kHz 1@5
	
QPSK 3.75kHz 1@23	QPSK 15kHz 1@5
	
QPSK 15kHz 12@0	
	

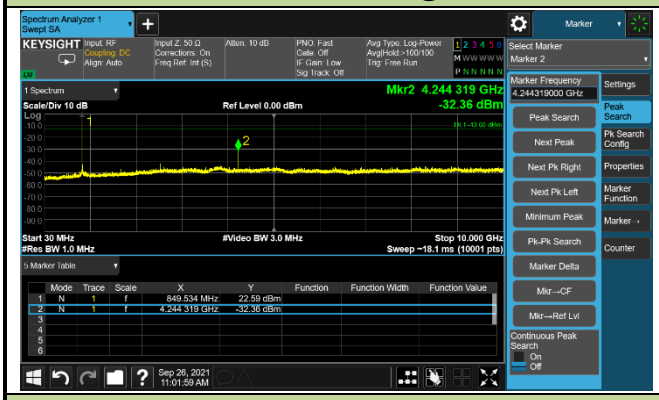
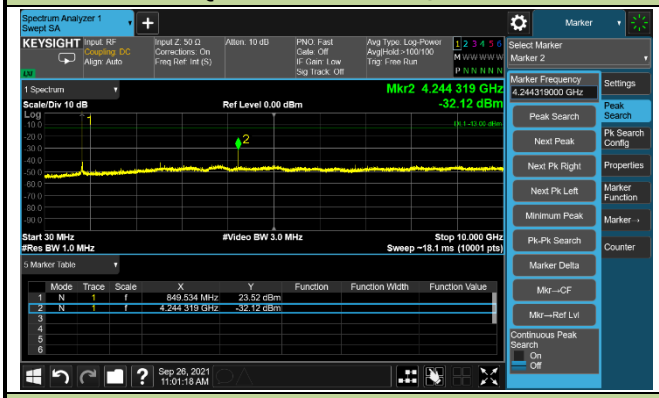
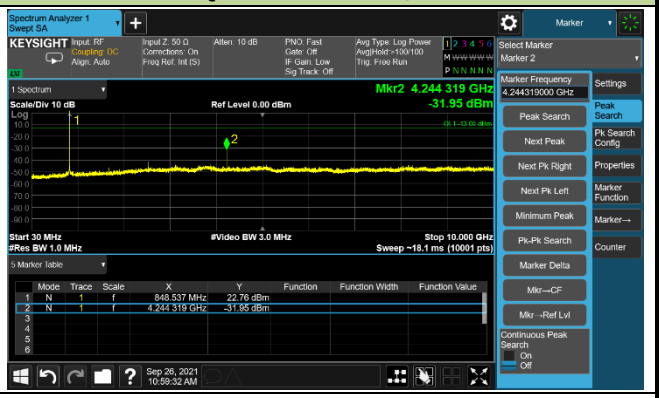
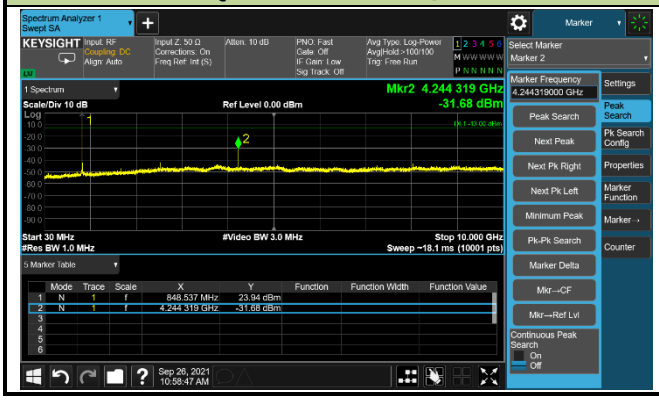
1779.9MHz	
BPSK 3.75kHz 1@47	BPSK 15kHz 1@11
	
QPSK 3.75kHz 1@47	QPSK 15kHz 1@11
	
QPSK 15kHz 12@0	
	

Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/24
Test Band	Band 5/26		

Frequency (MHz)	Sub-carrier spacing (kHz)	N_{tones}	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
BPSK						
824.1	3.75	1@0	30 ~ 10000	-34.45	≤ -13.00	Pass
824.1	15	1@0	30 ~ 10000	-33.76	≤ -13.00	Pass
836.5	3.75	1@23	30 ~ 10000	-32.21	≤ -13.00	Pass
836.5	15	1@5	30 ~ 10000	-31.95	≤ -13.00	Pass
848.9	3.75	1@47	30 ~ 10000	-32.36	≤ -13.00	Pass
848.9	15	1@11	30 ~ 10000	-32.61	≤ -13.00	Pass
QPSK						
824.1	3.75	1@0	30 ~ 10000	-32.92	≤ -13.00	Pass
824.1	15	1@0	30 ~ 10000	-34.14	≤ -13.00	Pass
824.1	15	12@0	30 ~ 10000	-32.94	≤ -13.00	Pass
836.5	3.75	1@23	30 ~ 10000	-38.67	≤ -13.00	Pass
836.5	15	1@5	30 ~ 10000	-33.61	≤ -13.00	Pass
836.5	15	12@0	30 ~ 10000	-32.95	≤ -13.00	Pass
848.9	3.75	1@47	30 ~ 10000	-32.12	≤ -13.00	Pass
848.9	15	1@11	30 ~ 10000	-31.95	≤ -13.00	Pass
848.9	15	12@0	30 ~ 10000	-31.68	≤ -13.00	Pass

824.1 MHz	
BPSK 3.75kHz 1@0	BPSK 15kHz 1@0
	
QPSK 3.75kHz 1@0	QPSK 15kHz 1@0
	
QPSK 15kHz 12@0	
	

836.5 MHz	
BPSK 3.75kHz 1@23	BPSK 15kHz 1@5
	
QPSK 3.75kHz 1@23	QPSK 15kHz 1@5
	
QPSK 15kHz 12@0	
	

848.9 MHz	
BPSK 3.75kHz 1@47	BPSK 15kHz 1@11
	
QPSK 3.75kHz 1@47	QPSK 15kHz 1@11
	
QPSK 15kHz 12@0	
	

Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/26
Test Band	Band 17/12		

Frequency (MHz)	Sub-carrier spacing (kHz)	N_{tones}	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
BPSK						
699.3	3.75	1@0	30 ~ 10000	-43.42	≤ -13.00	Pass
699.3	15	1@0	30 ~ 10000	-39.92	≤ -13.00	Pass
706.0	3.75	1@23	30 ~ 10000	-42.15	≤ -13.00	Pass
706.0	15	1@5	30 ~ 10000	-42.59	≤ -13.00	Pass
715.7	3.75	1@47	30 ~ 10000	-40.38	≤ -13.00	Pass
715.7	15	1@11	30 ~ 10000	-39.68	≤ -13.00	Pass
QPSK						
699.3	3.75	1@0	30 ~ 10000	-41.85	≤ -13.00	Pass
699.3	15	1@0	30 ~ 10000	-40.52	≤ -13.00	Pass
699.3	15	12@0	30 ~ 10000	-40.19	≤ -13.00	Pass
706.0	3.75	1@23	30 ~ 10000	-42.19	≤ -13.00	Pass
706.0	15	1@5	30 ~ 10000	-42.75	≤ -13.00	Pass
706.0	15	12@0	30 ~ 10000	-39.00	≤ -13.00	Pass
715.7	3.75	1@47	30 ~ 10000	-40.01	≤ -13.00	Pass
715.7	15	1@11	30 ~ 10000	-38.63	≤ -13.00	Pass
715.7	15	12@0	30 ~ 10000	-39.96	≤ -13.00	Pass