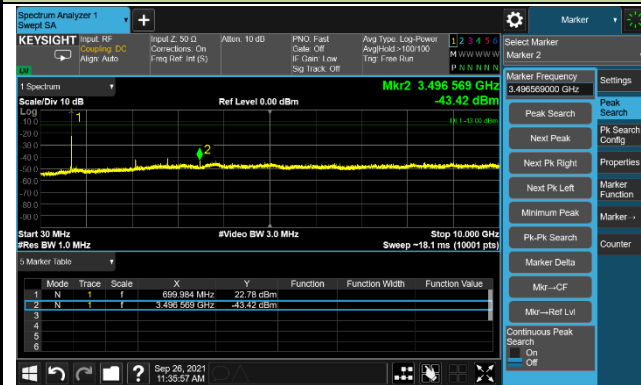
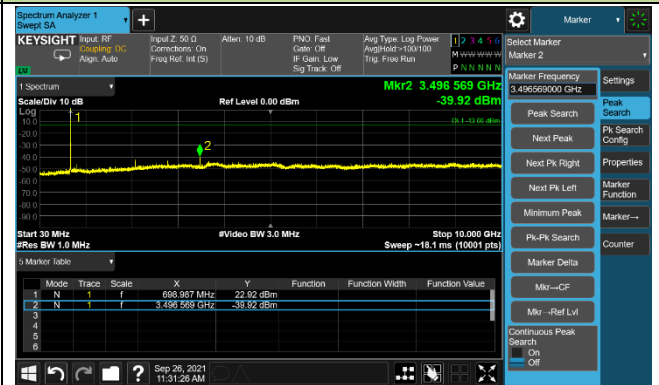


699.3 MHz

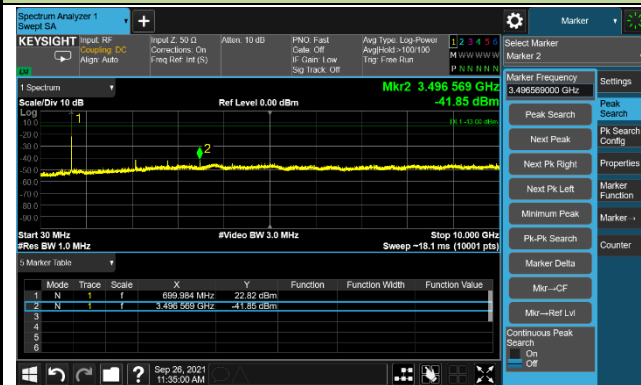
BPSK 3.75kHz 1@0



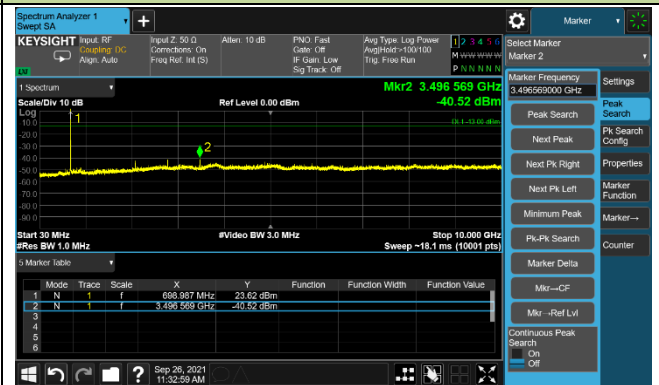
BPSK 15kHz 1@0



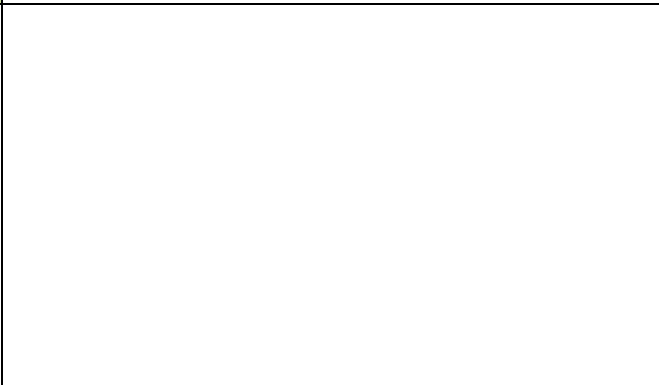
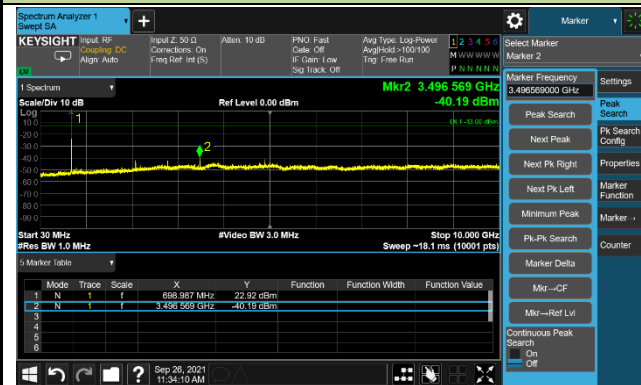
QPSK 3.75kHz 1@0



QPSK 15kHz 1@0

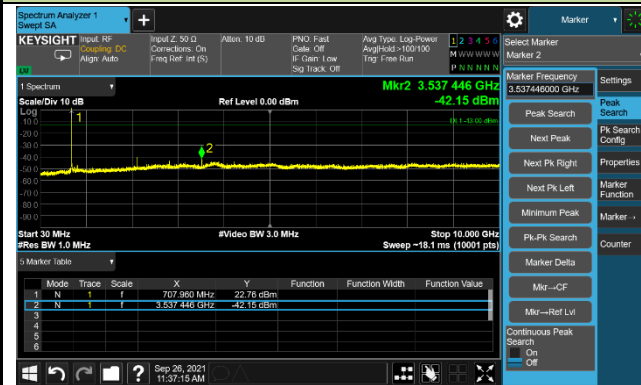


QPSK 15kHz 12@0

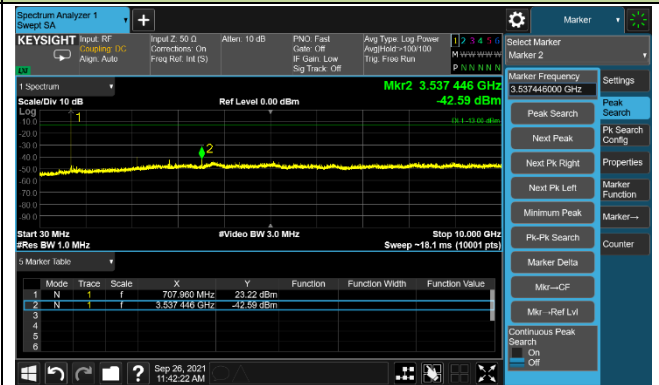


706 MHz

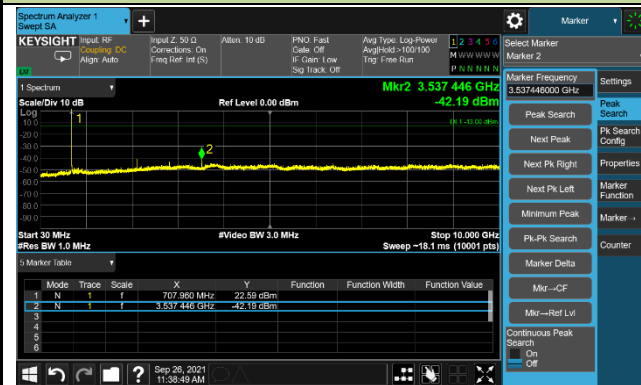
BPSK 3.75kHz 1@23



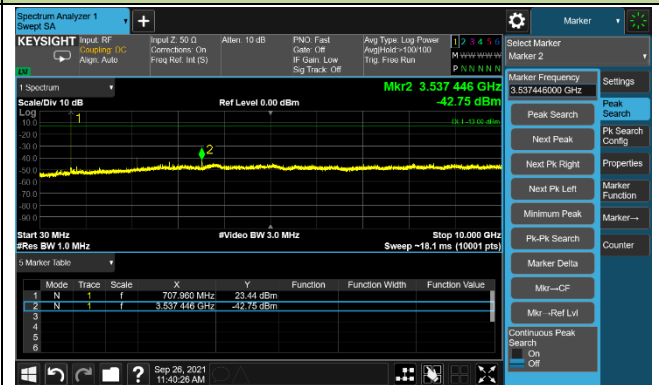
BPSK 15kHz 1@5



QPSK 3.75kHz 1@23



QPSK 15kHz 1@5

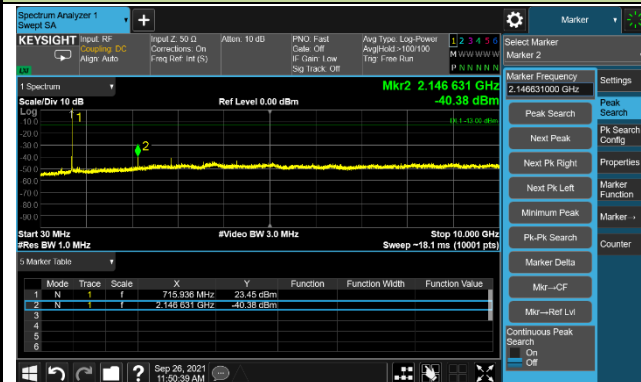


QPSK 15kHz 12@0

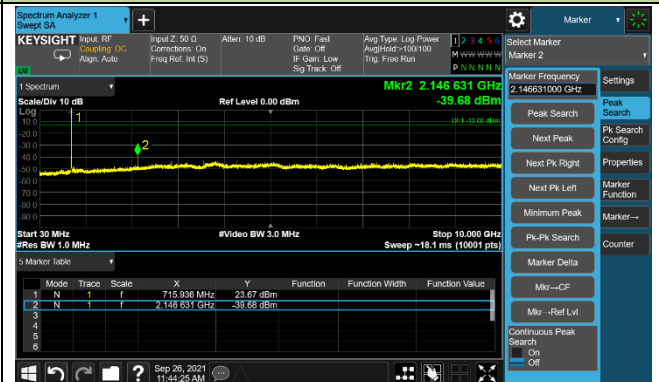


715.7 MHz

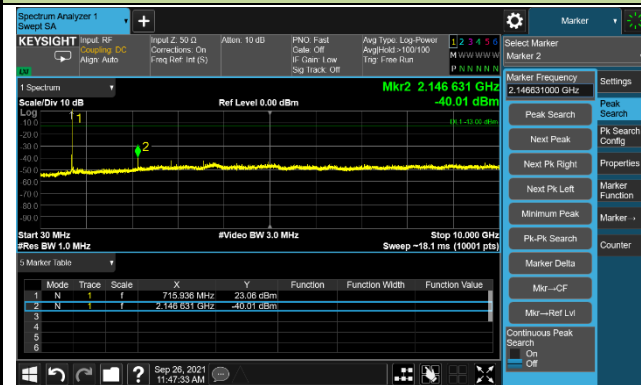
BPSK 3.75kHz 1@47



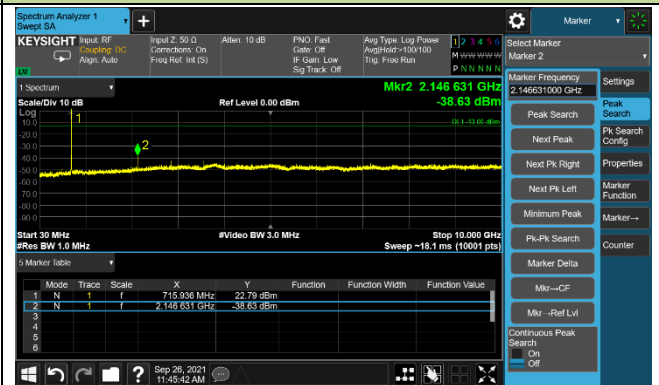
BPSK 15kHz 1@11



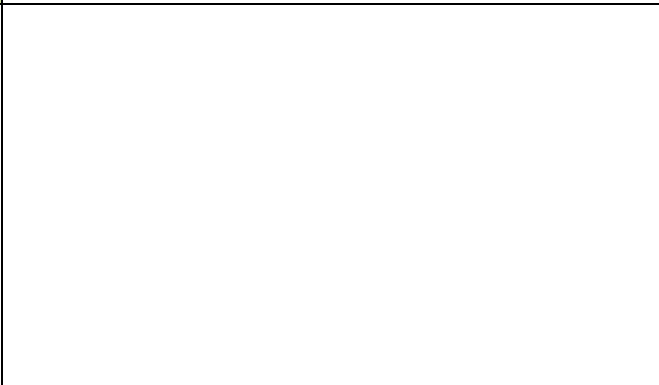
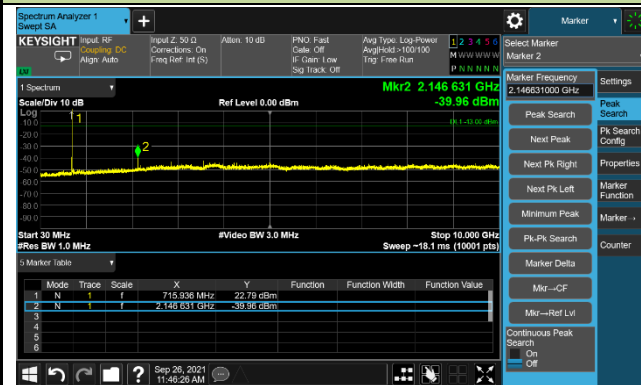
QPSK 3.75kHz 1@47



QPSK 15kHz 1@11



QPSK 15kHz 12@0

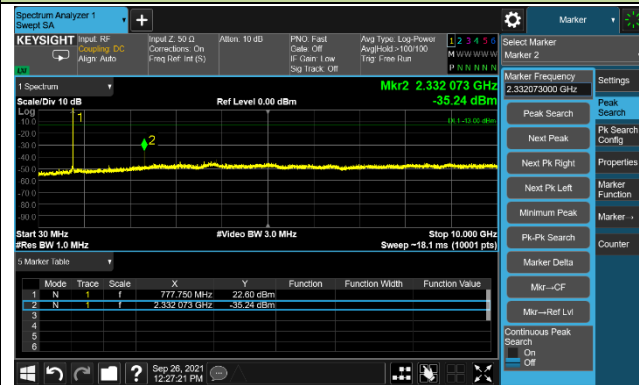


Product	Wireless MODULE	Test Site	WZ-SR6
Test Engineer	Cloud Guo	Test Date	2021/09/26
Test Band	Band 13		

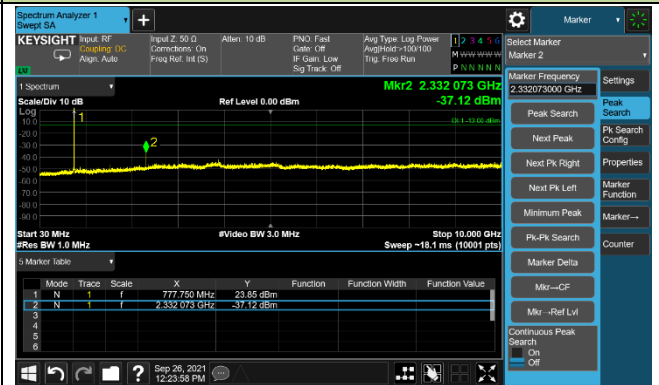
Frequency (MHz)	Sub-carrier spacing (kHz)	N _{tones}	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
BPSK						
777.3	3.75	1@0	30 ~ 10000	-35.24	≤ -13.00	Pass
777.3	15	1@0	30 ~ 10000	-37.12	≤ -13.00	Pass
782.0	3.75	1@23	30 ~ 10000	-35.39	≤ -13.00	Pass
782.0	15	1@5	30 ~ 10000	-37.58	≤ -13.00	Pass
786.7	3.75	1@47	30 ~ 10000	-37.94	≤ -13.00	Pass
786.7	15	1@11	30 ~ 10000	-37.91	≤ -13.00	Pass
QPSK						
777.3	3.75	1@0	30 ~ 10000	-35.42	≤ -13.00	Pass
777.3	15	1@0	30 ~ 10000	-36.82	≤ -13.00	Pass
777.3	15	12@0	30 ~ 10000	-36.25	≤ -13.00	Pass
782.0	3.75	1@23	30 ~ 10000	-38.00	≤ -13.00	Pass
782.0	15	1@5	30 ~ 10000	-36.97	≤ -13.00	Pass
782.0	15	12@0	30 ~ 10000	-35.87	≤ -13.00	Pass
786.7	3.75	1@47	30 ~ 10000	-38.04	≤ -13.00	Pass
786.7	15	1@11	30 ~ 10000	-35.99	≤ -13.00	Pass
786.7	15	12@0	30 ~ 10000	-34.96	≤ -13.00	Pass

777.3 MHz

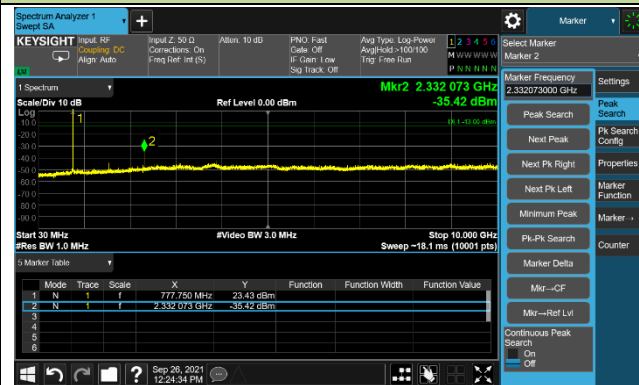
BPSK 3.75kHz 1@0



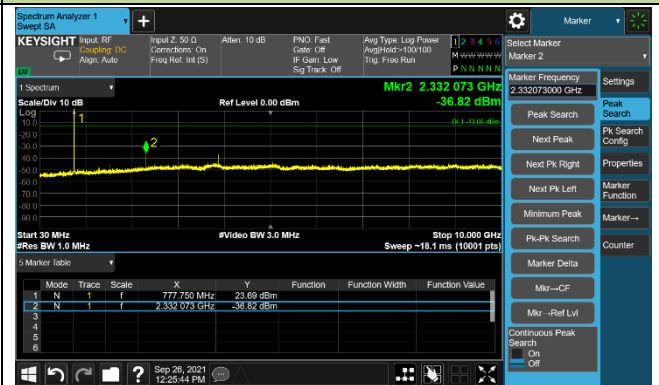
BPSK 15kHz 1@0



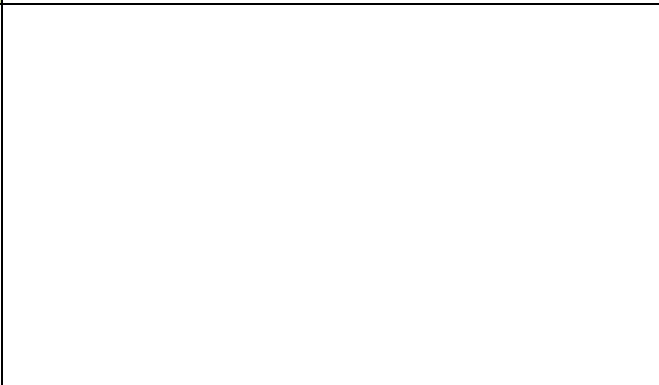
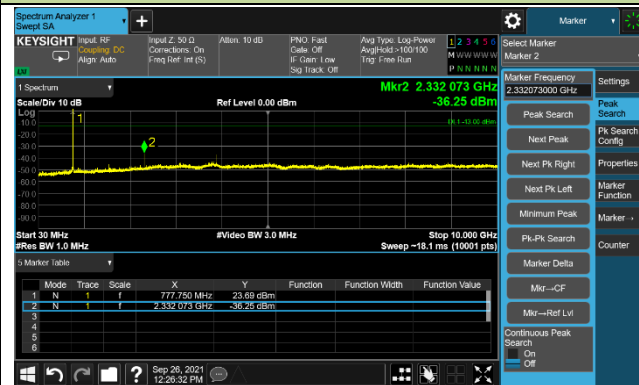
QPSK 3.75kHz 1@0



QPSK 15kHz 1@0

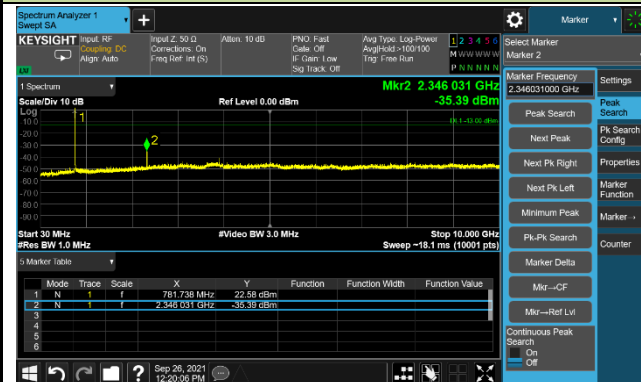


QPSK 15kHz 12@0

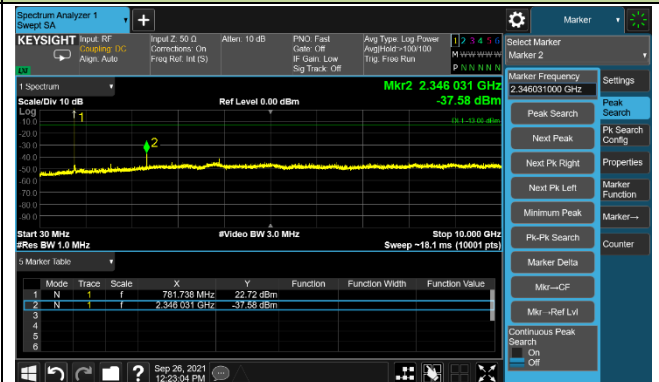


782 MHz

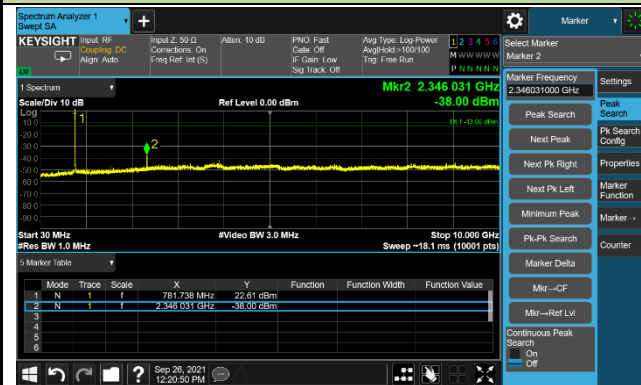
BPSK 3.75kHz 1@23



BPSK 15kHz 1@5



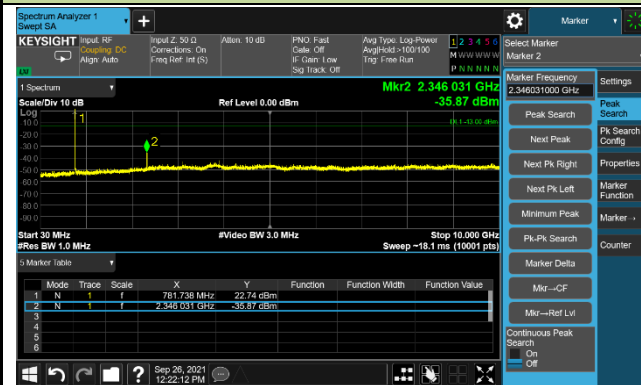
QPSK 3.75kHz 1@23



QPSK 15kHz 1@5

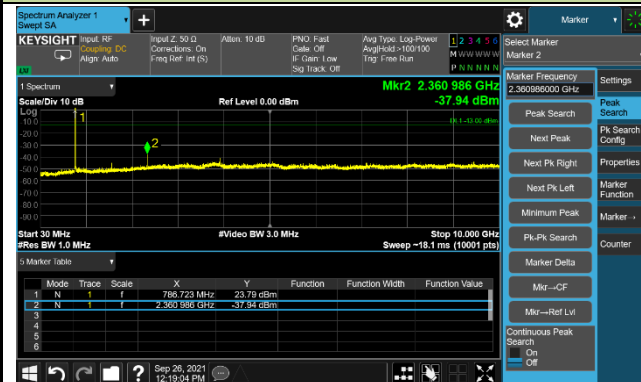


QPSK 15kHz 12@0

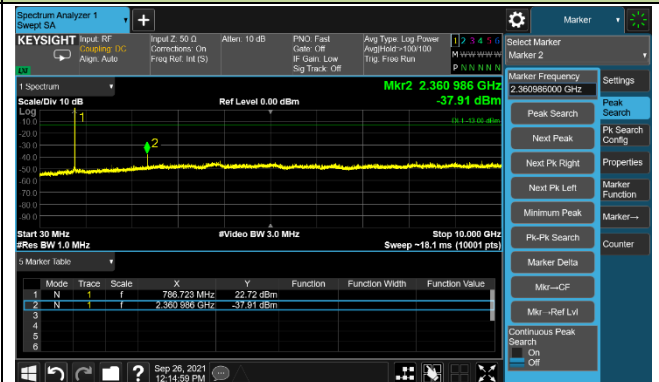


786.7 MHz

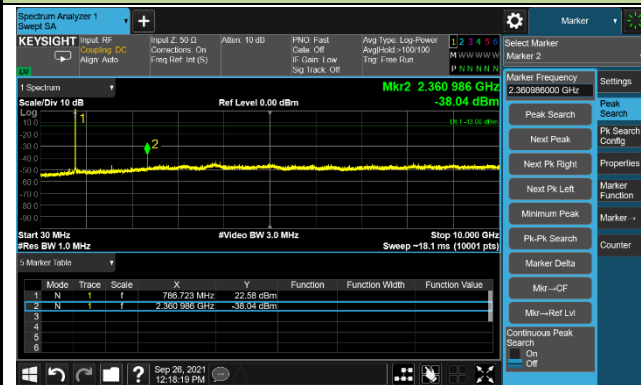
BPSK 3.75kHz 1@47



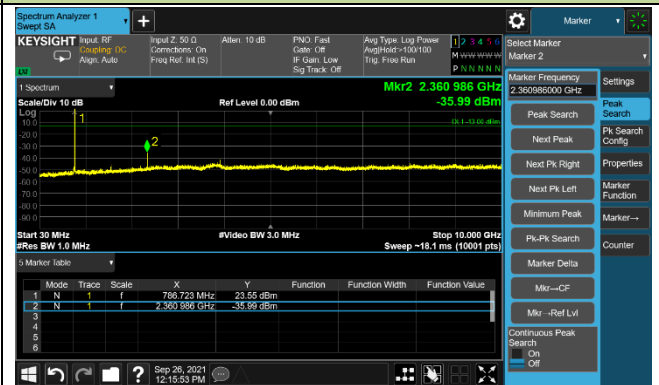
BPSK 15kHz 1@11



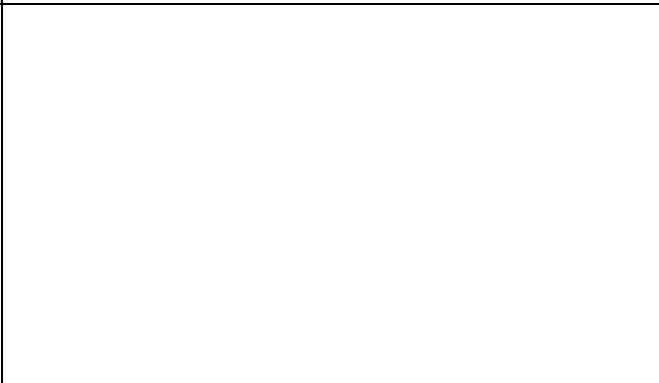
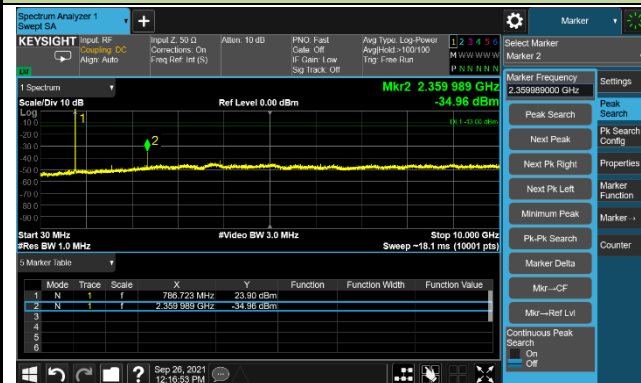
QPSK 3.75kHz 1@47



QPSK 15kHz 1@11



QPSK 15kHz 12@0



4.8. Radiated Spurious Emissions Measurements

4.8.1. 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 Band 13, For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (-40dBm/MHz) equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW (-50dBm) EIRP for discrete emissions of less than 700 Hz bandwidth.

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

4.8.2. Test Procedure Used

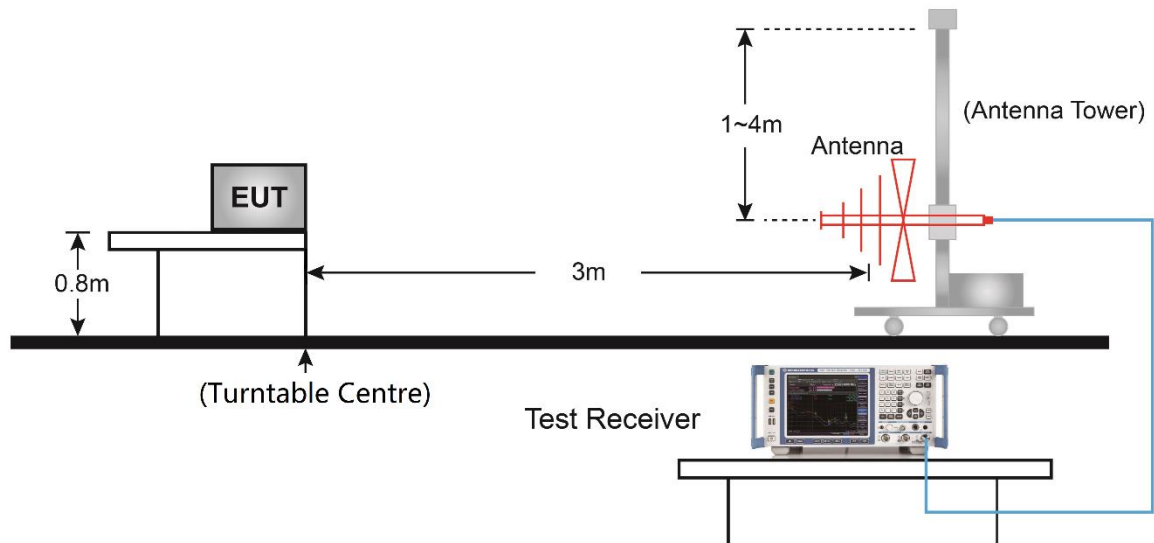
ANSI C63.26-2015 - Section 5.2.7 & 5.5

4.8.3. Test Setting

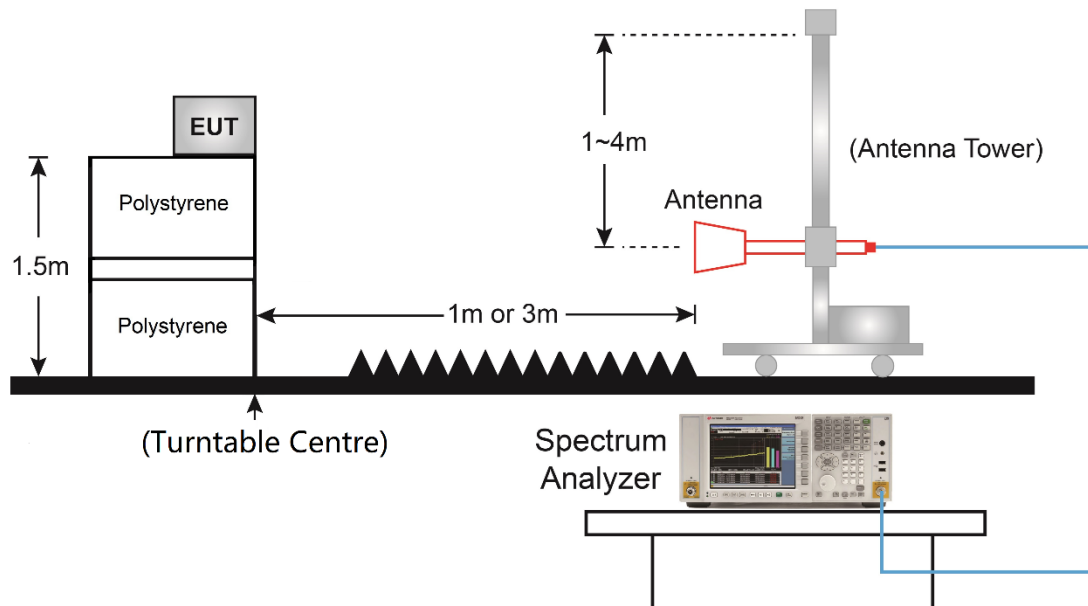
1. RBW = 100kHz or 1MHz
2. VBW $\geq 3 \times$ RBW
3. Sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})$
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

4.8.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



4.8.5.Test Result

Product	Wireless MODULE	Test Site	WZ-AC2
Test Engineer	Hyde Yu	Test Date	2021/09/10
Test Configuration	NB-IoT Band 2/25, 3.75kHz, 1RB		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level(dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
348.6	3.0	22.7	25.7	82.3	-56.6	Peak	Horizontal
687.2	5.1	28.7	33.8	82.3	-48.5	Peak	Horizontal
38.7	15.9	19.0	34.9	82.3	-47.4	Peak	Vertical
54.3	11.6	20.2	31.8	82.3	-50.5	Peak	Vertical
3703.0	42.3	0.5	42.8	82.3	-39.5	Peak	Horizontal
5547.5	39.2	4.9	44.1	82.3	-38.2	Peak	Horizontal
3703.0	50.0	0.5	50.5	82.3	-31.8	Peak	Vertical
5547.5	41.3	4.9	46.2	82.3	-36.1	Peak	Vertical
Middle Channel							
476.7	3.6	24.5	28.1	82.3	-54.2	Peak	Horizontal
926.8	4.8	31.5	36.3	82.3	-46.0	Peak	Horizontal
39.7	15.7	19.2	34.9	82.3	-47.4	Peak	Vertical
56.2	12.0	20.0	32.0	82.3	-50.3	Peak	Vertical
3762.5	41.4	0.8	42.2	82.3	-40.1	Peak	Horizontal
10248.0	34.0	16.3	50.3	82.3	-32.0	Peak	Horizontal
3762.5	48.4	0.8	49.2	82.3	-33.1	Peak	Vertical
7528.0	36.8	12.1	48.9	82.3	-33.4	Peak	Vertical
Top Channel							
502.9	3.8	25.1	28.9	82.3	-53.4	Peak	Horizontal
826.4	4.9	30.4	35.3	82.3	-47.0	Peak	Horizontal
39.2	15.8	19.1	34.9	82.3	-47.4	Peak	Vertical
56.7	12.3	19.9	32.2	82.3	-50.1	Peak	Vertical
3830.5	43.1	0.8	43.9	82.3	-38.4	Peak	Horizontal
7664.0	35.5	12.1	47.6	82.3	-34.7	Peak	Horizontal
3830.5	48.9	0.8	49.7	82.3	-32.6	Peak	Vertical
7664.0	40.1	12.1	52.2	82.3	-30.1	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).							

Product	Wireless MODULE	Test Site	WZ-AC2
Test Engineer	Hyde Yu	Test Date	2021/09/10
Test Configuration	NB-IoT Band 4/66, 3.75kHz, 1RB		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level(dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
587.3	4.0	27.3	31.3	82.3	-51.0	Peak	Horizontal
919.0	4.4	31.5	35.9	82.3	-46.4	Peak	Horizontal
40.2	15.1	19.3	34.4	82.3	-47.9	Peak	Vertical
694.0	4.1	28.8	32.9	82.3	-49.4	Peak	Vertical
5819.5	35.7	6.2	41.9	82.3	-40.4	Peak	Horizontal
9406.5	33.6	15.3	48.9	82.3	-33.4	Peak	Horizontal
5148.0	37.2	4.9	42.1	82.3	-40.2	Peak	Vertical
8548.0	36.6	13.0	49.6	82.3	-32.7	Peak	Vertical
Middle Channel							
488.3	3.8	25.0	28.8	82.3	-53.5	Peak	Horizontal
885.5	5.5	31.3	36.8	82.3	-45.5	Peak	Horizontal
39.7	15.7	19.2	34.9	82.3	-47.4	Peak	Vertical
56.2	12.6	20.0	32.6	82.3	-49.7	Peak	Vertical
5233.0	39.5	4.5	44.0	82.3	-38.3	Peak	Horizontal
8599.0	34.5	13.2	47.7	82.3	-34.6	Peak	Horizontal
3490.5	44.4	0.1	44.5	82.3	-37.8	Peak	Vertical
5233.0	41.8	3.9	45.7	82.3	-36.6	Peak	Vertical
Top Channel							
56.7	4.1	19.9	24.0	82.3	-58.3	Peak	Horizontal
913.7	4.9	31.5	36.4	82.3	-45.9	Peak	Horizontal
39.2	16.5	19.1	35.6	82.3	-46.7	Peak	Vertical
55.7	12.1	20.0	32.1	82.3	-50.2	Peak	Vertical
3558.5	40.7	0.3	41.0	82.3	-41.3	Peak	Horizontal
10460.5	34.0	16.7	50.7	82.3	-31.6	Peak	Horizontal
3558.5	47.3	0.3	47.6	82.3	-34.7	Peak	Vertical
5343.5	40.3	4.6	44.9	82.3	-37.4	Peak	Vertical

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

Product	Wireless MODULE	Test Site	WZ-AC2
Test Engineer	Hyde Yu	Test Date	2021/09/10
Test Configuration	NB-IoT Band 5/25, 3.75kHz, 1RB		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level(dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
561.6	4.2	26.2	30.4	82.3	-51.9	Peak	Horizontal
769.1	4.3	29.7	34.0	82.3	-48.3	Peak	Horizontal
38.2	14.9	18.8	33.7	82.3	-48.6	Peak	Vertical
56.2	10.8	20.0	30.8	82.3	-51.5	Peak	Vertical
2470.5	56.4	-1.7	54.7	82.3	-27.6	Peak	Horizontal
4119.5	47.6	1.9	49.5	82.3	-32.8	Peak	Horizontal
2470.5	60.4	-1.7	58.7	82.3	-23.6	Peak	Vertical
4119.5	50.2	1.9	52.1	82.3	-30.2	Peak	Vertical
Middle Channel							
311.3	4.3	21.0	25.3	82.3	-57.0	Peak	Horizontal
881.7	6.7	31.3	38.0	82.3	-44.3	Peak	Horizontal
38.2	15.2	18.8	34.0	82.3	-48.3	Peak	Vertical
734.2	6.1	29.2	35.3	82.3	-47.0	Peak	Vertical
1782.0	52.6	-4.4	48.2	82.3	-34.1	Peak	Horizontal
2513.0	51.8	-1.7	50.1	82.3	-32.2	Peak	Horizontal
1782.0	59.6	-4.4	55.2	82.3	-27.1	Peak	Vertical
2513.0	56.2	-1.7	54.5	82.3	-27.8	Peak	Vertical
Top Channel							
419.5	3.5	23.7	27.2	82.3	-55.1	Peak	Horizontal
746.3	5.2	29.6	34.8	82.3	-47.5	Peak	Horizontal
39.7	15.0	19.2	34.2	82.3	-48.1	Peak	Vertical
726.0	7.2	29.1	36.3	82.3	-46.0	Peak	Vertical
1697.0	49.9	-4.5	45.4	82.3	-36.9	Peak	Horizontal
2547.0	46.9	-1.6	45.3	82.3	-37.0	Peak	Horizontal
1697.0	51.2	-4.5	46.7	82.3	-35.6	Peak	Vertical
2547.0	51.0	-1.6	49.4	82.3	-32.9	Peak	Vertical

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

Product	Wireless MODULE	Test Site	WZ-AC2
Test Engineer	Hyde Yu	Test Date	2021/09/10
Test Configuration	NB-IoT Band 17/12, 3.75kHz, 1RB		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level(dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
576.1	8.5	26.6	35.1	82.3	-47.2	Peak	Horizontal
822.0	13.1	30.3	43.4	82.3	-38.9	Peak	Horizontal
576.1	16.1	26.6	42.7	82.3	-39.6	Peak	Vertical
822.0	11.3	30.3	41.6	82.3	-40.7	Peak	Vertical
1399.5	41.5	-2.1	39.4	82.3	-42.9	Peak	Horizontal
2100.0	35.2	2.2	37.4	82.3	-44.9	Peak	Horizontal
2419.5	37.7	2.6	40.3	82.3	-42.0	Peak	Vertical
4561.5	36.6	6.2	42.8	82.3	-39.5	Peak	Vertical
Middle Channel							
584.4	5.2	27.1	32.3	82.3	-50.0	Peak	Horizontal
830.3	14.0	30.6	44.6	82.3	-37.7	Peak	Horizontal
584.4	14.3	27.1	41.4	82.3	-40.9	Peak	Vertical
830.3	10.7	30.6	41.3	82.3	-41.0	Peak	Vertical
1416.5	40.7	-2.1	38.6	82.3	-43.7	Peak	Horizontal
2045.5	37.6	1.9	39.5	82.3	-42.8	Peak	Horizontal
1416.5	39.9	-2.1	37.8	82.3	-44.5	Peak	Vertical
2122.0	37.3	2.2	39.5	82.3	-42.8	Peak	Vertical
Top Channel							
564.5	4.0	26.2	30.2	82.3	-52.1	Peak	Horizontal
839.0	13.0	30.7	43.7	82.3	-38.6	Peak	Horizontal
593.1	12.3	27.4	39.7	82.3	-42.6	Peak	Vertical
839.0	8.7	30.7	39.4	82.3	-42.9	Peak	Vertical
1875.5	37.6	0.7	38.3	82.3	-44.0	Peak	Horizontal
3159.0	38.1	2.9	41.0	82.3	-41.3	Peak	Horizontal
1433.5	39.5	-2.1	37.4	82.3	-44.9	Peak	Vertical
2147.5	37.6	2.4	40.0	82.3	-42.3	Peak	Vertical

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

Product	Wireless MODULE	Test Site	WZ-AC2
Test Engineer	Hyde Yu	Test Date	2021/09/10
Test Configuration	NB-IoT Band 13, 3.75kHz, 1RB		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level(dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
349.1	3.7	22.7	26.4	82.3	-55.9	Peak	Horizontal
900.1	7.9	31.4	39.3	82.3	-43.0	Peak	Horizontal
39.2	14.4	19.1	33.5	82.3	-48.8	Peak	Vertical
900.1	5.4	31.4	36.8	82.3	-45.5	Peak	Vertical
7069.0	34.6	11.6	46.2	82.3	-36.1	Peak	Horizontal
13240.0	33.2	21.0	54.2	82.3	-28.1	Peak	Horizontal
2334.5	49.7	-1.0	48.7	82.3	-33.6	Peak	Vertical
7647.0	33.9	12.2	46.1	82.3	-36.2	Peak	Vertical
Middle Channel							
497.5	4.0	25.1	29.1	82.3	-53.2	Peak	Horizontal
904.9	6.1	31.4	37.5	82.3	-44.8	Peak	Horizontal
38.2	14.2	18.8	33.0	82.3	-49.3	Peak	Vertical
720.6	7.3	29.1	36.4	82.3	-45.9	Peak	Vertical
2343.0	46.8	-1.1	45.7	82.3	-36.6	Peak	Horizontal
8684.0	34.4	13.8	48.2	82.3	-34.1	Peak	Horizontal
2343.0	52.2	-1.1	51.1	82.3	-31.2	Peak	Vertical
3125.0	45.2	-0.6	44.6	82.3	-37.7	Peak	Vertical
Top Channel							
498.5	3.6	25.1	28.7	82.3	-53.6	Peak	Horizontal
909.8	5.8	31.4	37.2	82.3	-45.1	Peak	Horizontal
40.2	14.9	19.3	34.2	82.3	-48.1	Peak	Vertical
684.3	6.4	28.7	35.1	82.3	-47.2	Peak	Vertical
2360.0	50.6	-1.2	49.4	82.3	-32.9	Peak	Horizontal
8701.0	34.0	13.8	47.8	82.3	-34.5	Peak	Horizontal
2360.0	53.9	-1.2	52.7	82.3	-29.6	Peak	Vertical
3150.5	47.1	-0.5	46.6	82.3	-35.7	Peak	Vertical

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

5. CONCLUSION

The data collected relate only the item(s) tested and show that unit is compliance with FCC Rules.

Appendix A - Test Setup Photograph

Refer to “2109RSU011-UT” file.

Appendix B - EUT Photograph

Refer to “2109RSU011-UE” file.