

Appendix D

RF Test Data for 5G WLAN (Conducted Measurement)

Product Name: FoldSat LEO Ku OW

Trade Mark: FoldSat LEO Ku OW

Test Model: INSTER_RA01

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 24.3 ° C |
| Relative Humidity: | 52.7% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Alan Wang |
| Supervised by: | Amy Wen |

Appendix A1: Emission Bandwidth

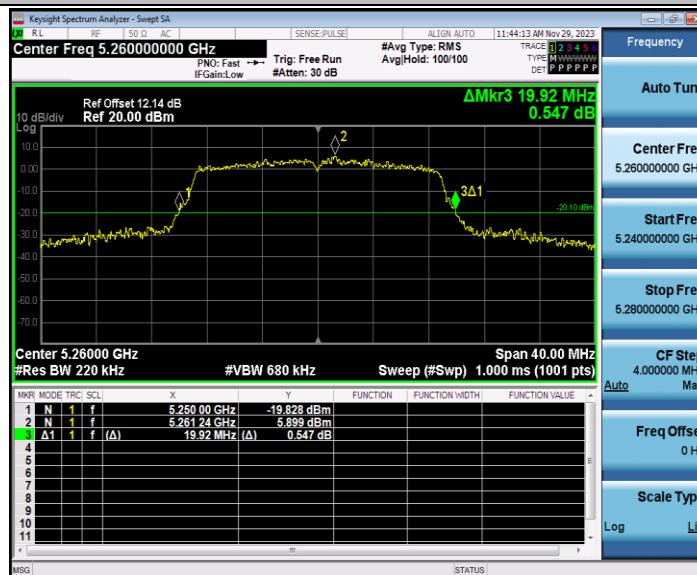
Test Result

| TestMode | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------------|----------|----------|------------|---------|
| 11AC20SISO | Ant1 | 5180 | 20.320 | 5169.840 | 5190.160 | --- | --- |
| | | 5220 | 20.200 | 5209.920 | 5230.120 | --- | --- |
| | | 5240 | 20.160 | 5229.840 | 5250.000 | --- | --- |
| | | 5260 | 19.920 | 5250.000 | 5269.920 | --- | --- |
| | | 5300 | 20.160 | 5289.840 | 5310.000 | --- | --- |
| | | 5320 | 20.160 | 5309.760 | 5329.920 | --- | --- |

| | | | | | | | |
|------------|------|------|--------|----------|----------|-----|-----|
| | | 5500 | 20.280 | 5489.840 | 5510.120 | --- | --- |
| | | 5580 | 20.280 | 5569.760 | 5590.040 | --- | --- |
| | | 5700 | 20.280 | 5689.800 | 5710.080 | --- | --- |
| | | 5745 | 20.240 | 5734.800 | 5755.040 | --- | --- |
| | | 5785 | 20.160 | 5774.880 | 5795.040 | --- | --- |
| | | 5825 | 25.080 | 5812.800 | 5837.880 | --- | --- |
| 11AC40SISO | Ant1 | 5190 | 40.640 | 5169.600 | 5210.240 | --- | --- |
| | | 5230 | 40.480 | 5209.840 | 5250.320 | --- | --- |
| | | 5270 | 40.480 | 5249.840 | 5290.320 | --- | --- |
| | | 5310 | 40.160 | 5289.920 | 5330.080 | --- | --- |
| | | 5510 | 40.720 | 5489.680 | 5530.400 | --- | --- |
| | | 5550 | 40.640 | 5529.840 | 5570.480 | --- | --- |
| | | 5670 | 41.360 | 5649.200 | 5690.560 | --- | --- |
| | | 5755 | 40.560 | 5734.920 | 5775.480 | --- | --- |
| | | 5795 | 40.880 | 5774.360 | 5815.240 | --- | --- |
| 11AC80SISO | Ant1 | 5210 | 81.120 | 5169.680 | 5250.800 | --- | --- |
| | | 5290 | 80.800 | 5249.840 | 5330.640 | --- | --- |
| | | 5530 | 80.960 | 5489.680 | 5570.640 | --- | --- |
| | | 5775 | 81.920 | 5734.200 | 5816.120 | --- | --- |



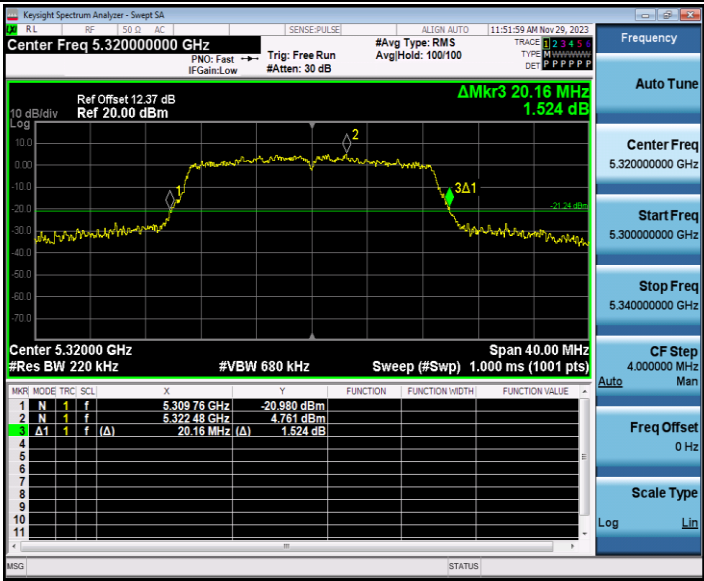
11AC20SISO_Ant1_5260



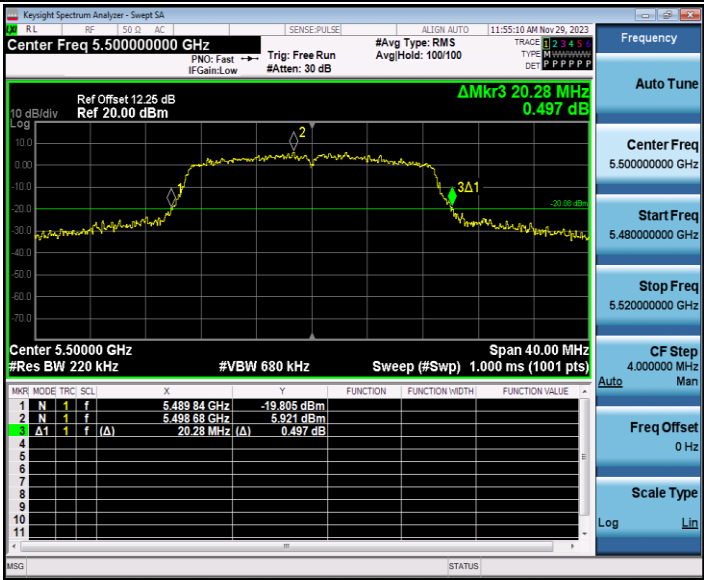
11AC20SISO_Ant1_5300



11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



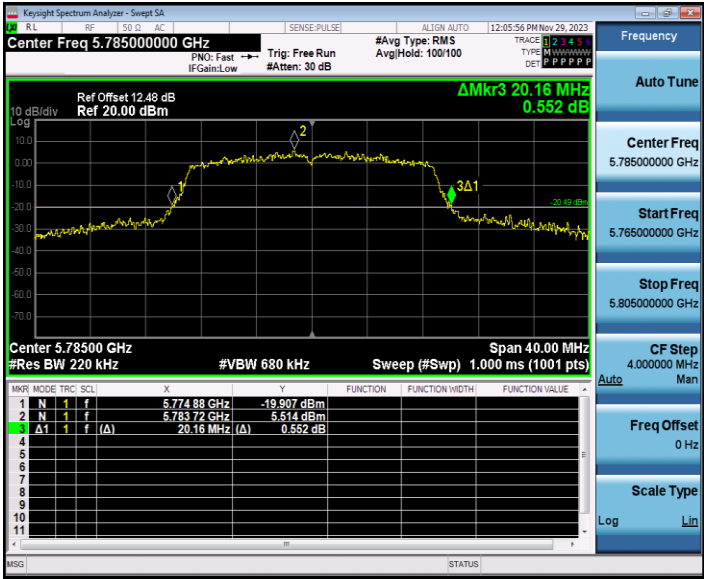
11AC20SISO_Ant1_5700



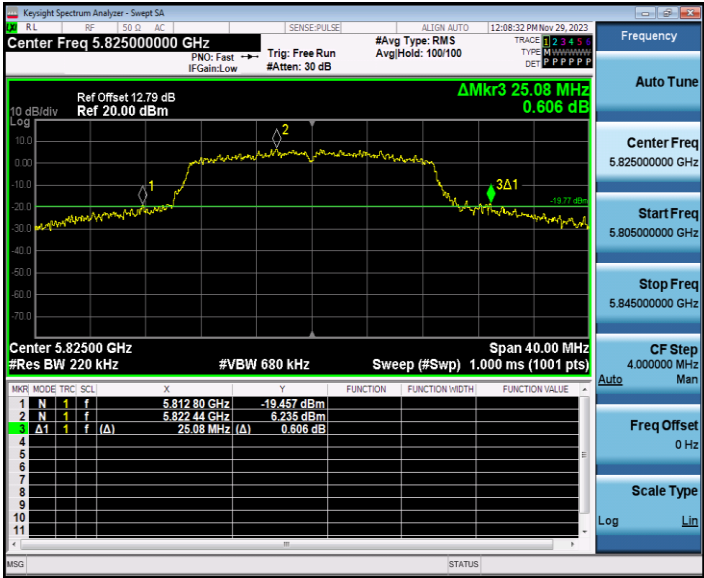
11AC20SISO_Ant1_5745



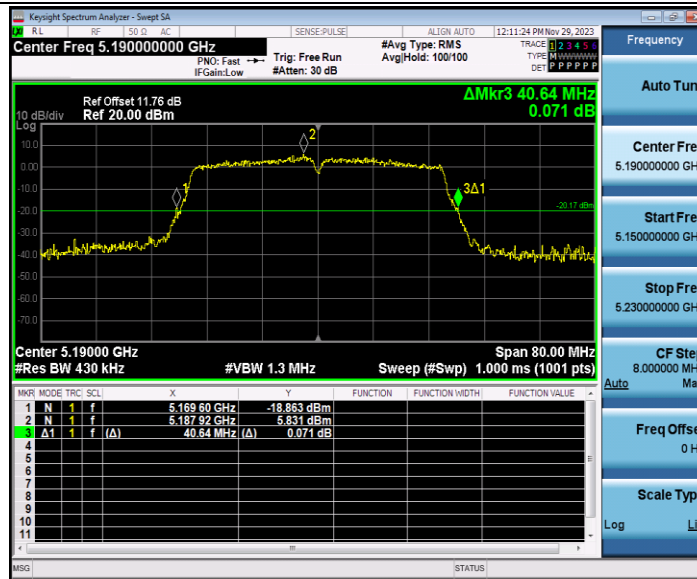
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



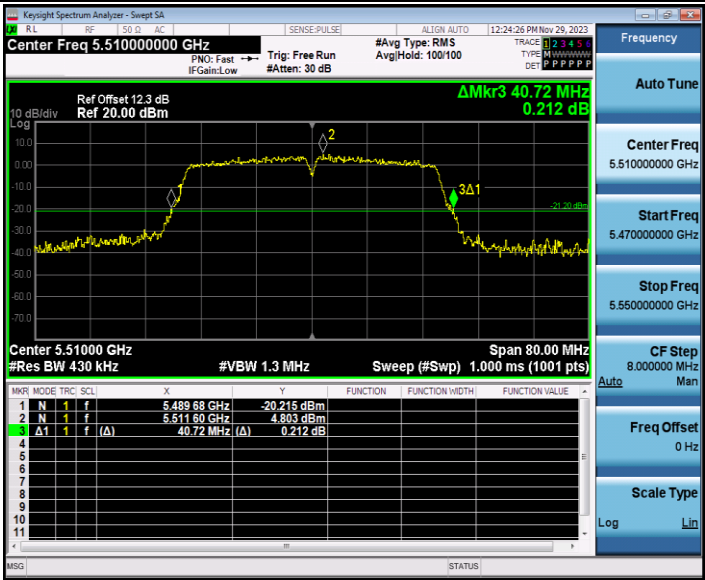
11AC40SISO_Ant1_5270



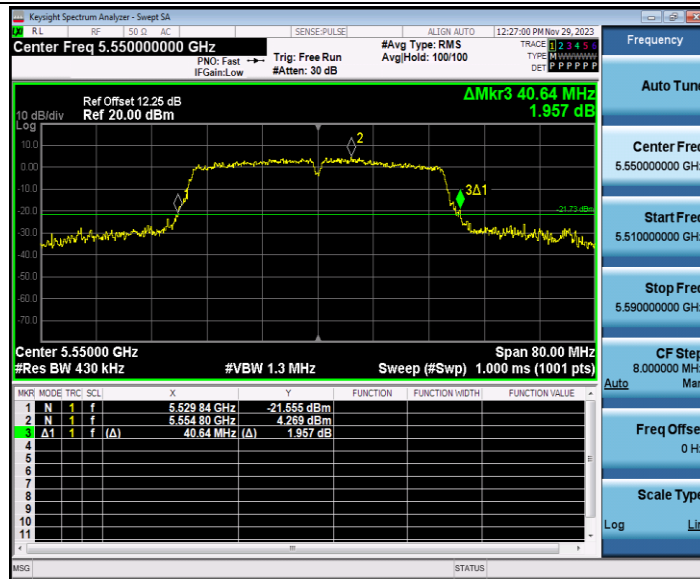
11AC40SISO_Ant1_5310



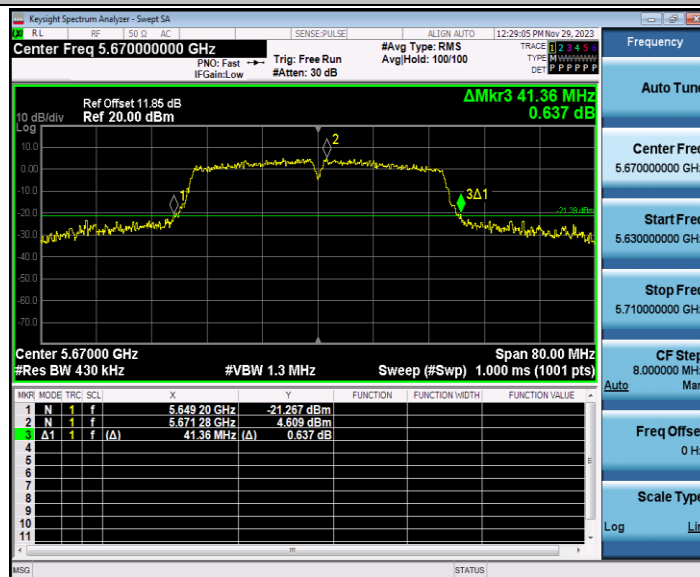
11AC40SISO_Ant1_5510



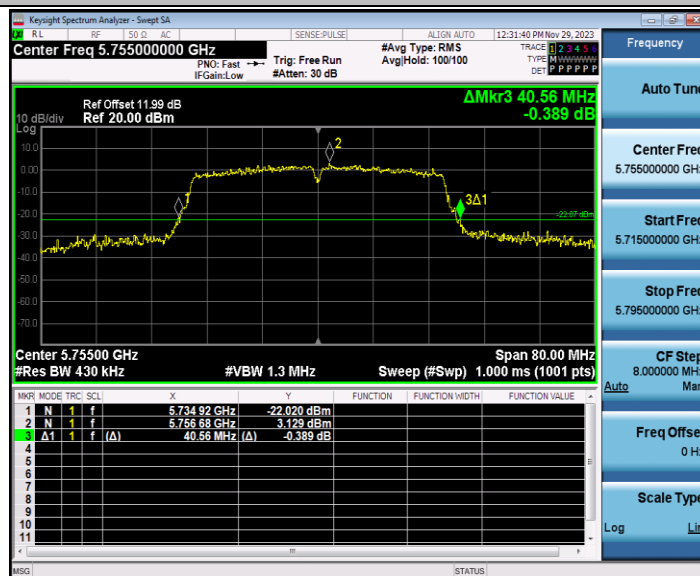
11AC40SISO_Ant1_5550



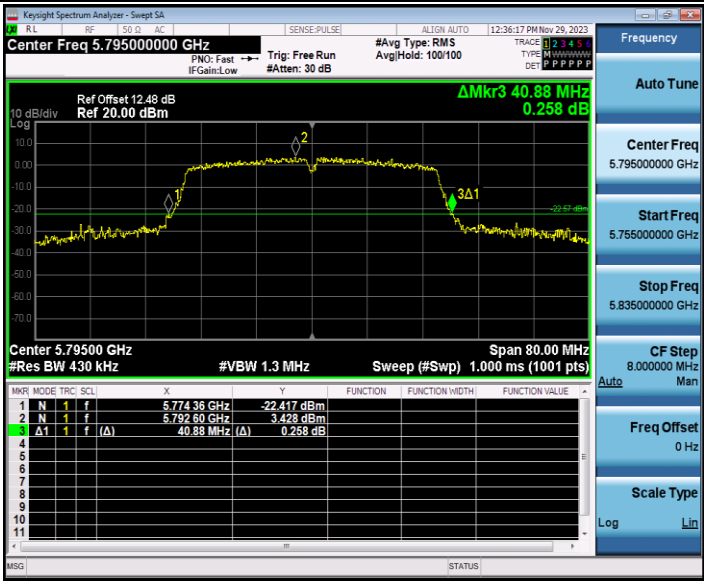
11AC40SISO_Ant1_5670



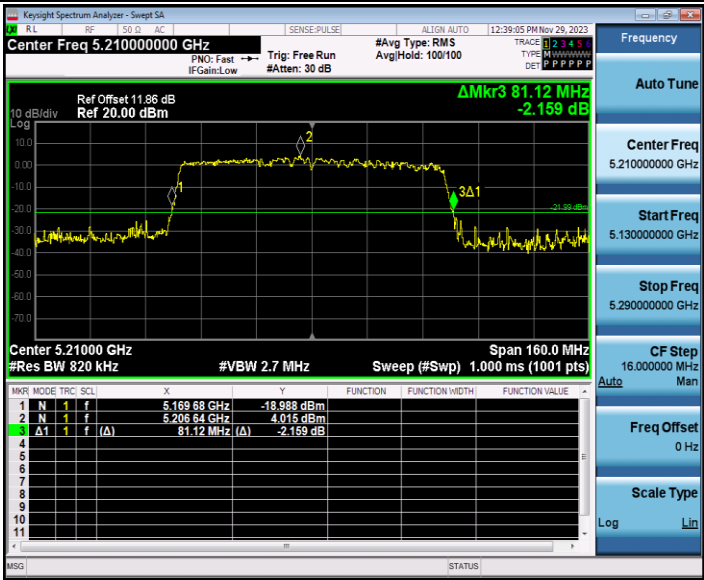
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



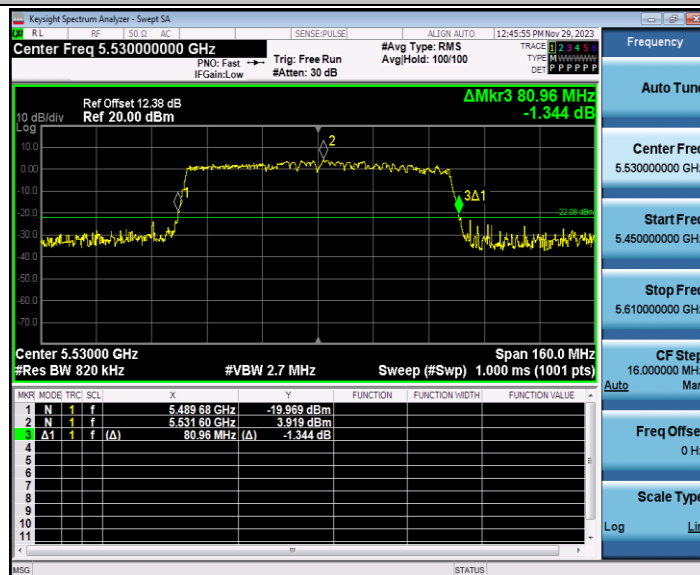
11AC80SISO_Ant1_5210



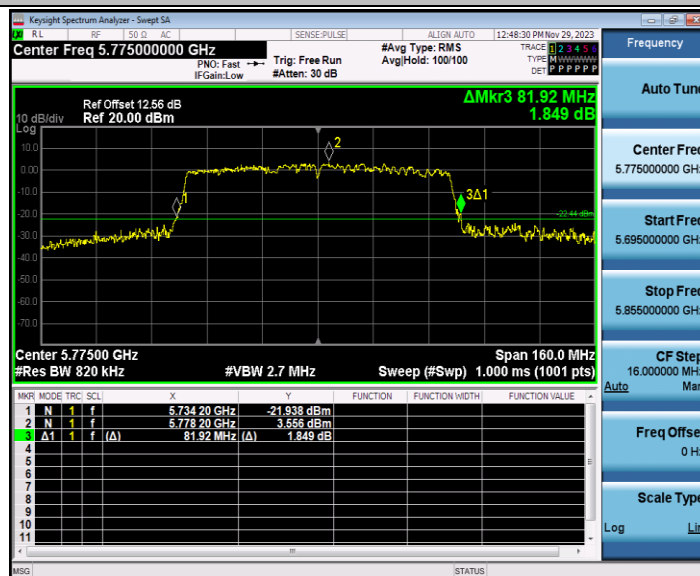
11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5775



Appendix A2: Occupied channel bandwidth

Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|----------|----------|------------|---------|
| 11AC20SISO | Ant1 | 5180 | 17.750 | 5171.080 | 5188.830 | --- | --- |
| | | 5220 | 17.737 | 5211.099 | 5228.836 | --- | --- |
| | | 5240 | 17.714 | 5231.113 | 5248.827 | --- | --- |
| | | 5260 | 17.835 | 5251.071 | 5268.906 | --- | --- |
| | | 5300 | 17.721 | 5291.101 | 5308.822 | --- | --- |
| | | 5320 | 17.766 | 5311.052 | 5328.818 | --- | --- |
| | | 5500 | 17.773 | 5491.056 | 5508.829 | --- | --- |
| | | 5580 | 17.825 | 5571.033 | 5588.858 | --- | --- |
| | | 5700 | 17.782 | 5691.088 | 5708.870 | --- | --- |
| | | 5745 | 17.802 | 5736.065 | 5753.867 | --- | --- |
| | | 5785 | 17.851 | 5776.082 | 5793.933 | --- | --- |
| | | 5825 | 17.931 | 5816.012 | 5833.943 | --- | --- |
| 11AC40SISO | Ant1 | 5190 | 36.090 | 5171.959 | 5208.049 | --- | --- |
| | | 5230 | 36.132 | 5211.938 | 5248.070 | --- | --- |
| | | 5270 | 36.148 | 5251.922 | 5288.070 | --- | --- |
| | | 5310 | 36.013 | 5292.019 | 5328.032 | --- | --- |
| | | 5510 | 36.167 | 5491.936 | 5528.103 | --- | --- |
| | | 5550 | 36.178 | 5531.928 | 5568.106 | --- | --- |
| | | 5670 | 36.251 | 5651.830 | 5688.081 | --- | --- |
| | | 5755 | 36.074 | 5736.989 | 5773.063 | --- | --- |
| | | 5795 | 36.107 | 5776.933 | 5813.040 | --- | --- |
| 11AC80SISO | Ant1 | 5210 | 75.498 | 5172.087 | 5247.585 | --- | --- |
| | | 5290 | 75.572 | 5252.269 | 5327.841 | --- | --- |
| | | 5530 | 75.532 | 5492.289 | 5567.821 | --- | --- |
| | | 5775 | 75.611 | 5737.202 | 5812.813 | --- | --- |

Test Graphs

