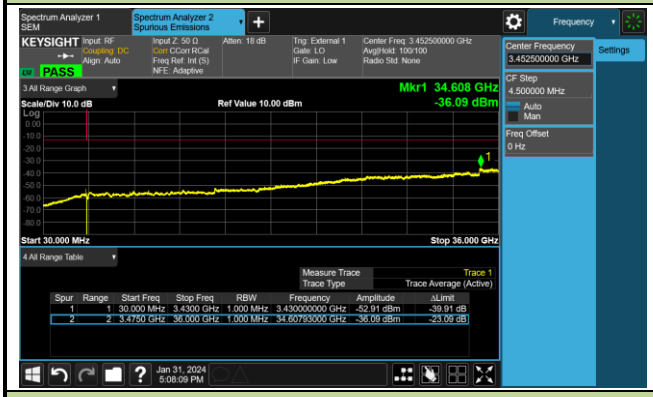
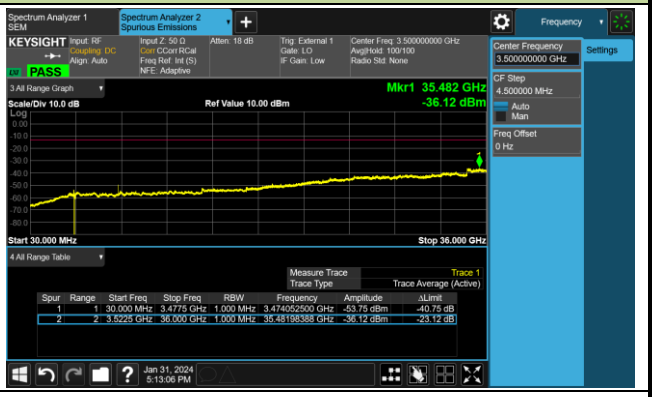
5MHz Channel Bandwidth

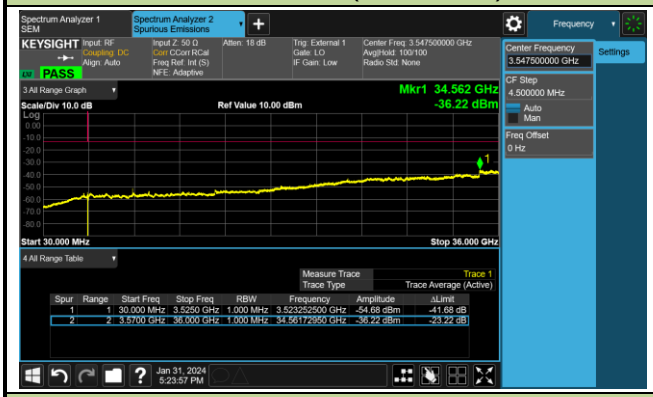
Channel 42115 (3452.5MHz)



Channel 42590 (3500.0MHz)

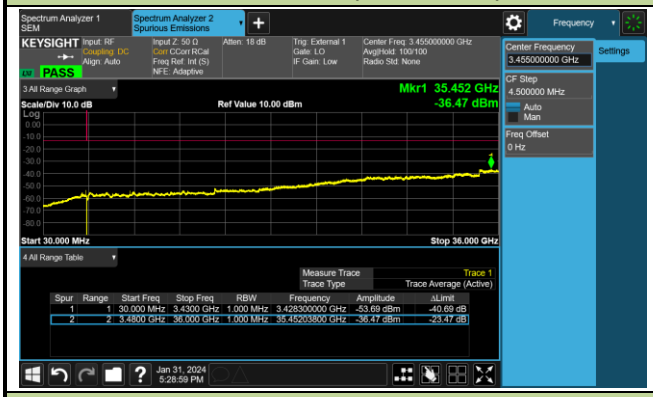


Channel 43065 (3547.5MHz)

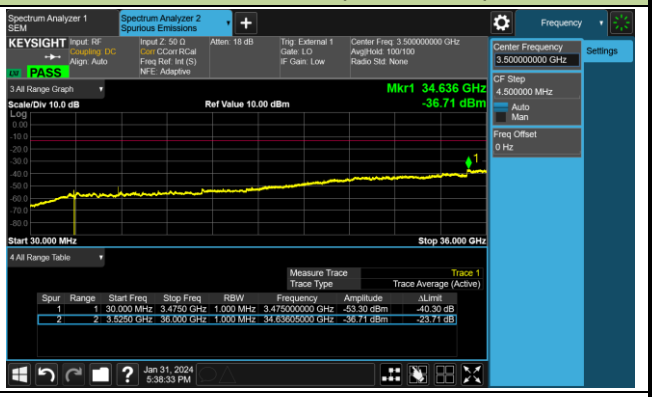


10MHz Channel Bandwidth

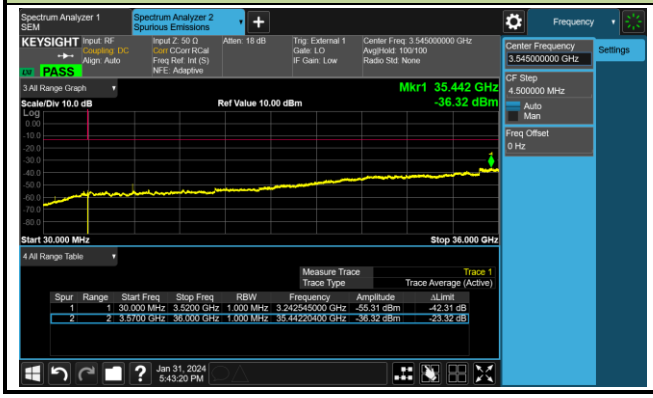
Channel 42140 (3455.0MHz)



Channel 42590 (3500.0MHz)

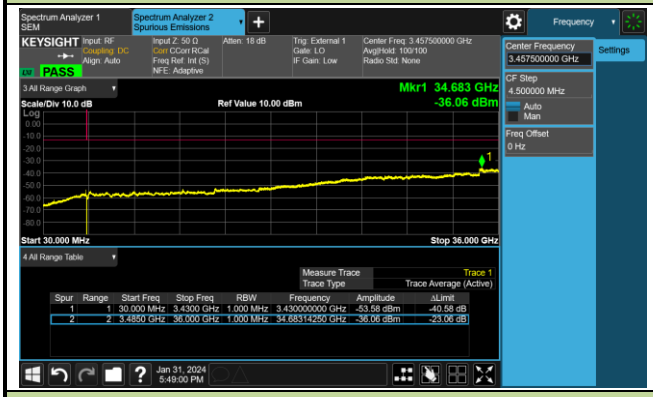


Channel 43040 (3545.0MHz)

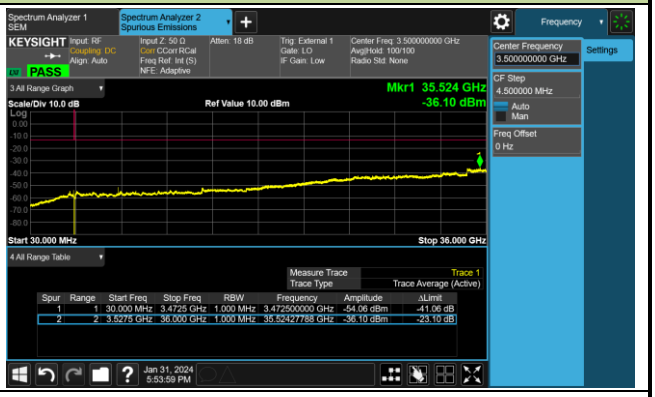


15MHz Channel Bandwidth

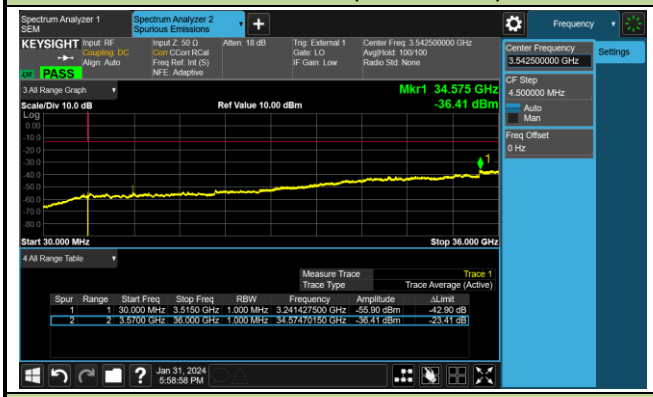
Channel 42165 (3457.5MHz)



Channel 42590 (3500.0MHz)

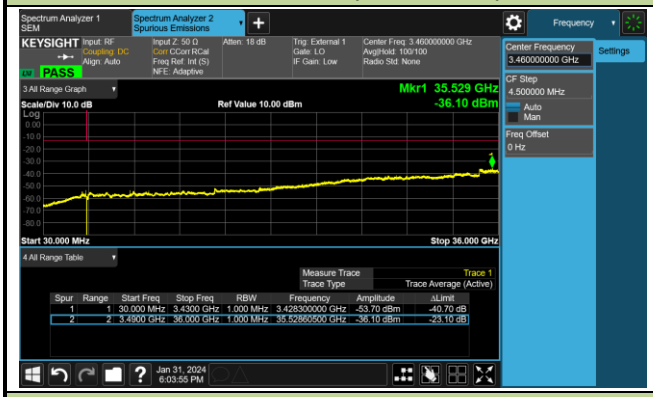


Channel 43015 (3542.5MHz)

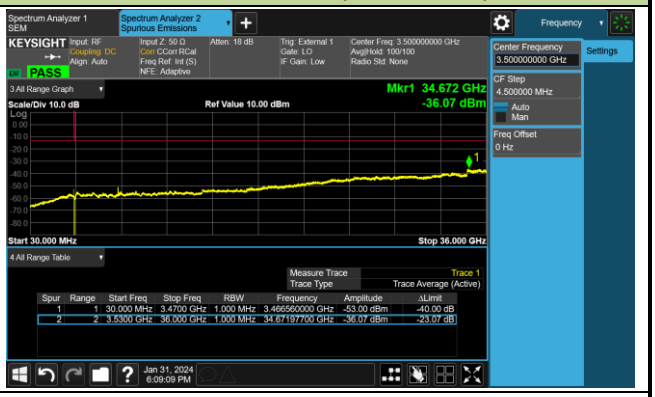


20MHz Channel Bandwidth

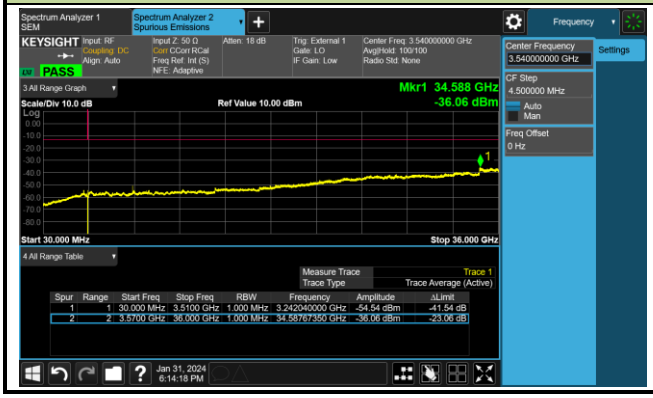
Channel 42190 (3460.0MHz)



Channel 42590 (3500.0MHz)



Channel 42990 (3540.0MHz)



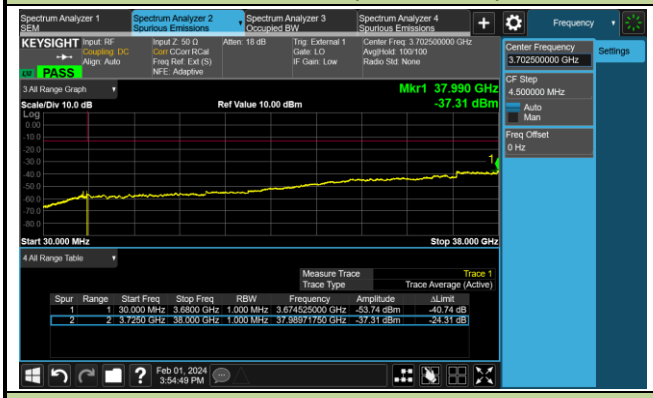
Test Site	WZ-SR6	Test Engineer	Lucas Wang
Test Date	2024-02-01 ~ 2024-02-23	Test Band	LTE Band 43_HPUE

Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
3702.5	5	30 ~ 38000	-37.31	≤ -13.00	Pass
3750.0	5	30 ~ 38000	-37.98	≤ -13.00	Pass
3797.5	5	30 ~ 38000	-27.53	≤ -13.00	Pass
3705.0	10	30 ~ 38000	-37.82	≤ -13.00	Pass
3750.0	10	30 ~ 38000	-37.85	≤ -13.00	Pass
3795.0	10	30 ~ 38000	-27.63	≤ -13.00	Pass
3707.5	15	30 ~ 38000	-37.24	≤ -13.00	Pass
3750.0	15	30 ~ 38000	-37.03	≤ -13.00	Pass
3792.5	15	30 ~ 38000	-27.67	≤ -13.00	Pass
3710.0	20	30 ~ 38000	-37.60	≤ -13.00	Pass
3750.0	20	30 ~ 38000	-27.63	≤ -13.00	Pass
3790.0	20	30 ~ 38000	-27.62	≤ -13.00	Pass

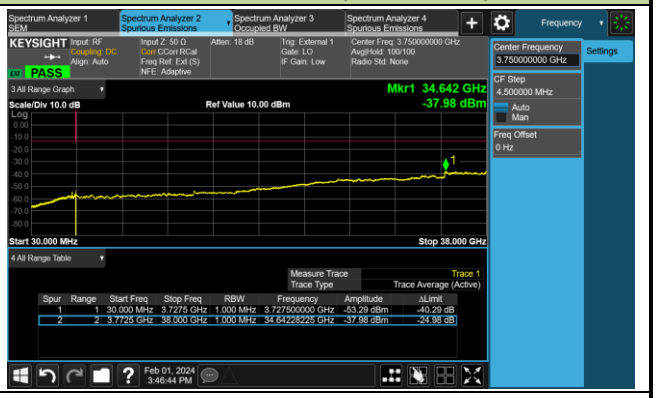
Note: The amplitude of Conducted Spurious emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

5MHz Channel Bandwidth

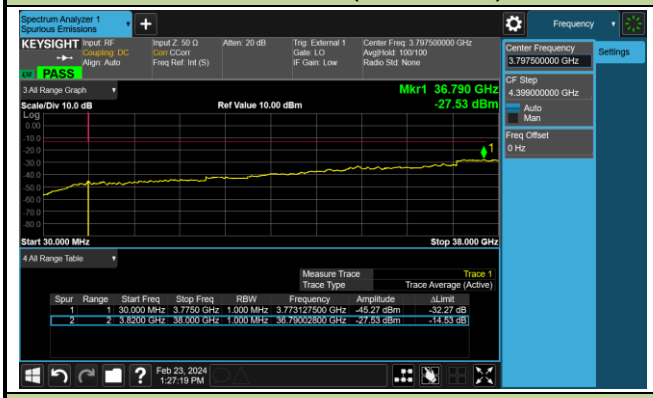
Channel 44615 (3702.5MHz)



Channel 45090 (3750.0MHz)

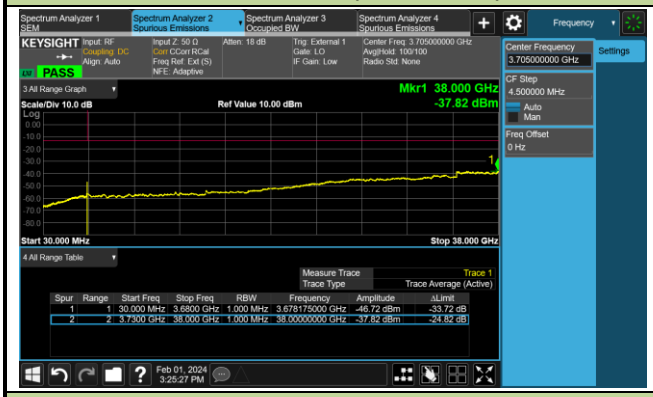


Channel 45565 (3797.5MHz)

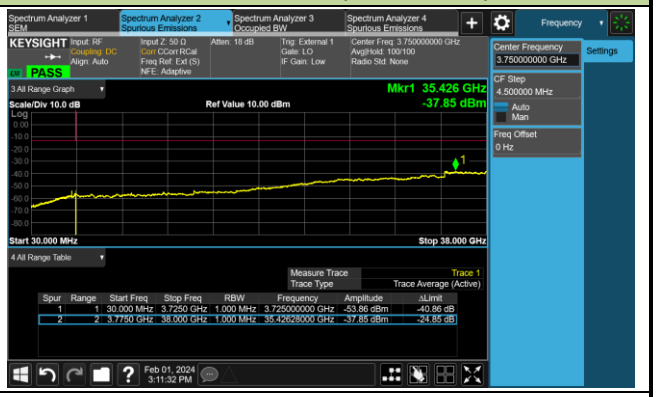


10MHz Channel Bandwidth

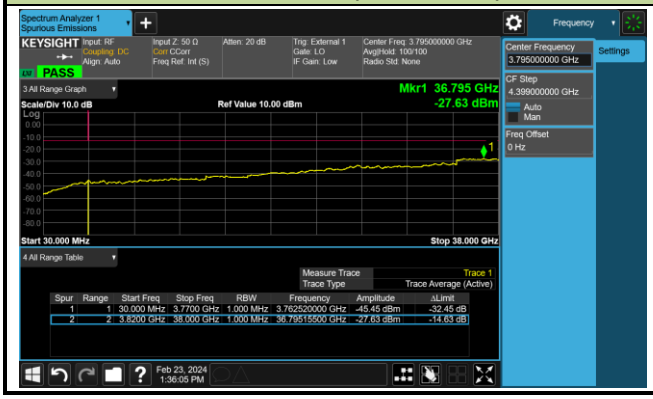
Channel 44640 (3705.0MHz)



Channel 45090 (3750.0MHz)

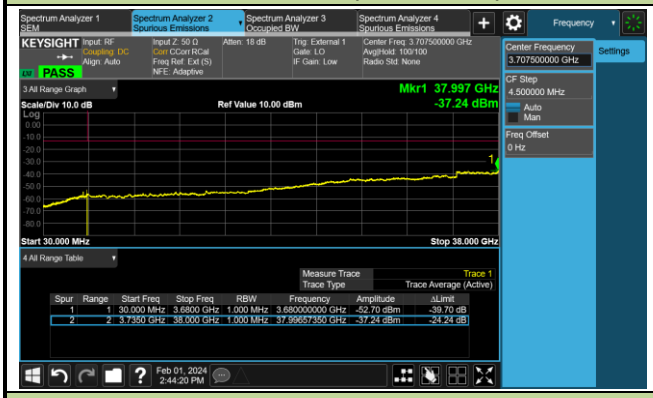


Channel 45540 (3795.0MHz)

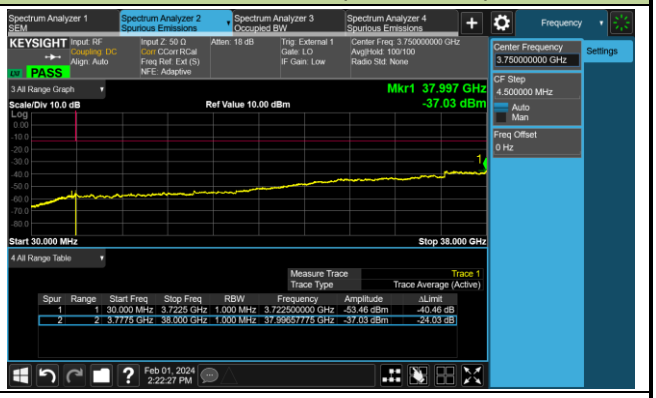


15MHz Channel Bandwidth

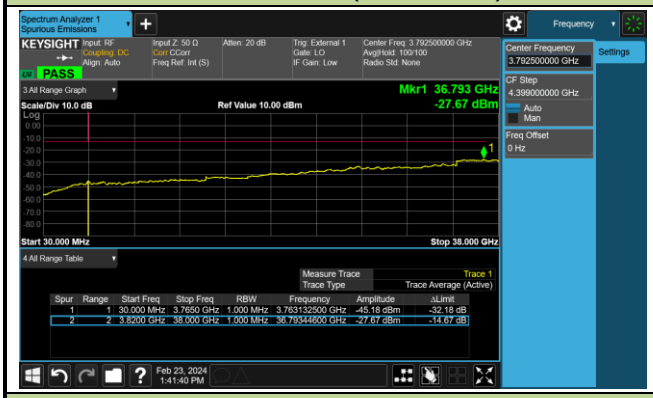
Channel 44665 (3707.5MHz)



Channel 45090 (3750.0MHz)

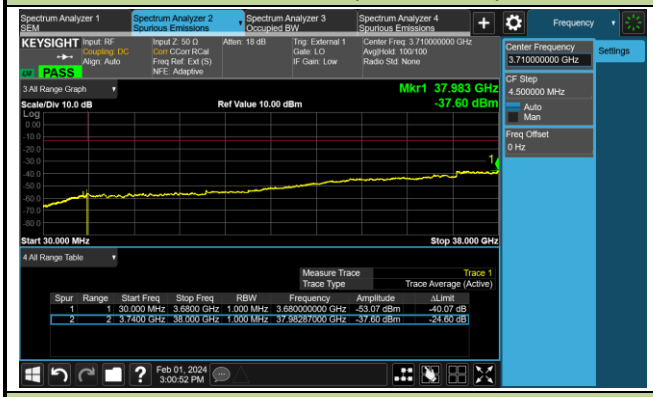


Channel 45515 (3792.5MHz)

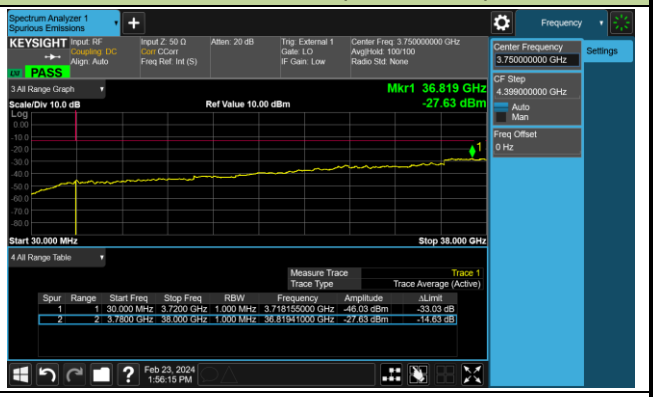


20MHz Channel Bandwidth

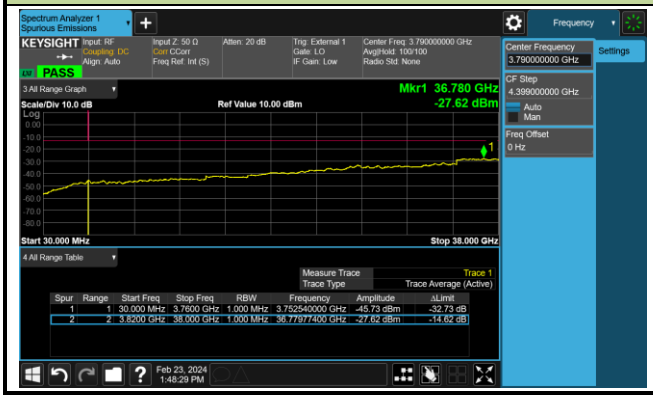
Channel 44690 (3710.0MHz)



Channel 45090 (3750.0MHz)



Channel 45490 (3790.0MHz)



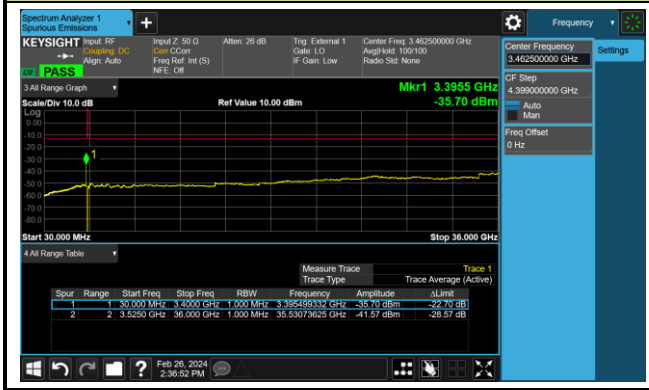
Test Site	SIP-SR1	Test Engineer	Candy Luo
Test Date	2024-02-26 ~ 2024-02-27	Test Band	Intra-Band CA_42C, 1RB, QPSK

Frequency (MHz)		Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
PCC	SCC					
3460.0	3471.7	20+5	30 ~ 36000	-35.70	≤ -13.00	Pass
3497.5	3509.2	20+5	30 ~ 36000	-41.70	≤ -13.00	Pass
3535.0	3546.7	20+5	30 ~ 36000	-41.67	≤ -13.00	Pass
3460.0	3479.8	20+20	30 ~ 36000	-41.65	≤ -13.00	Pass
3490.1	3509.9	20+20	30 ~ 36000	-41.68	≤ -13.00	Pass
3520.2	3540.0	20+20	30 ~ 36000	-41.67	≤ -13.00	Pass

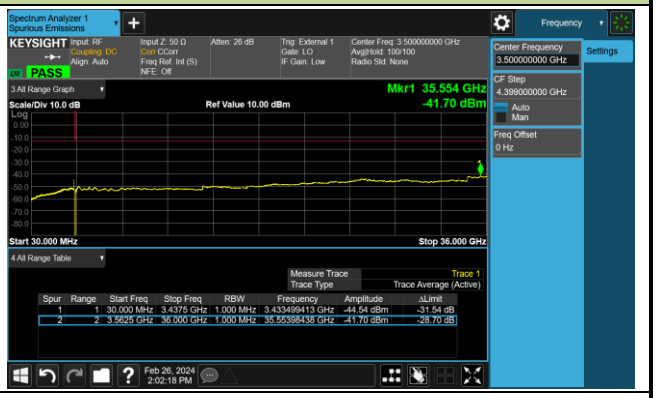
Note: The amplitude of Conducted Spurious emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

20+5MHz Channel Bandwidth

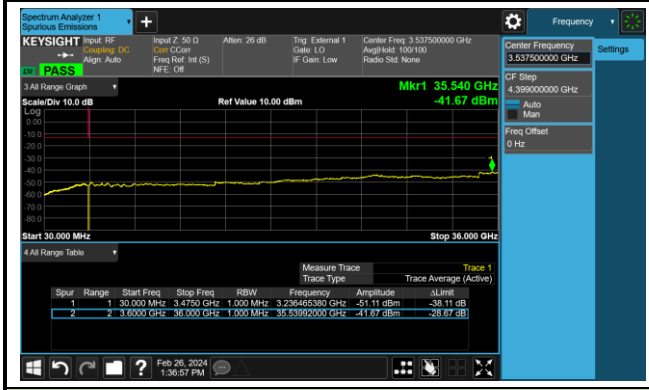
Lowest Channel



Middle Channel

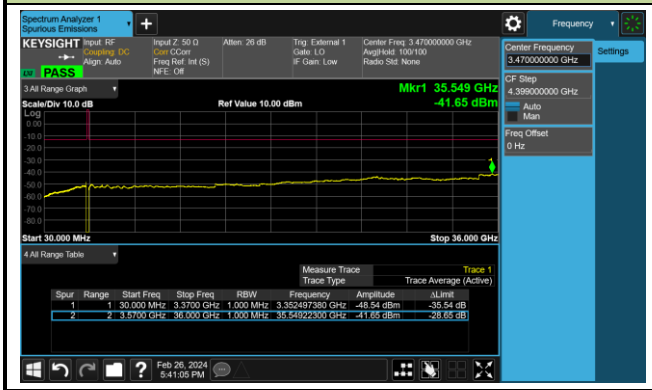


Highest Channel

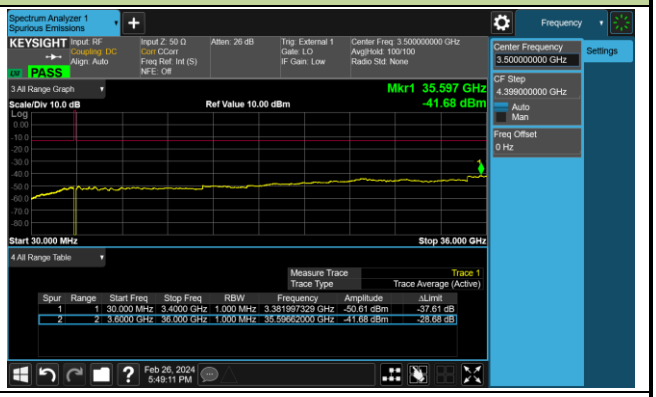


20+20MHz Channel Bandwidth

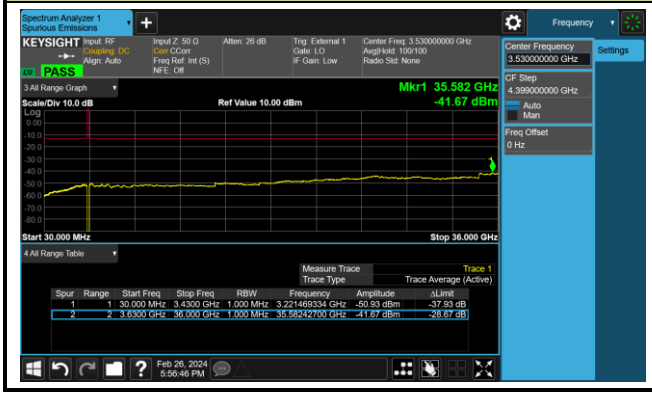
Lowest Channel



Middle Channel



Highest Channel



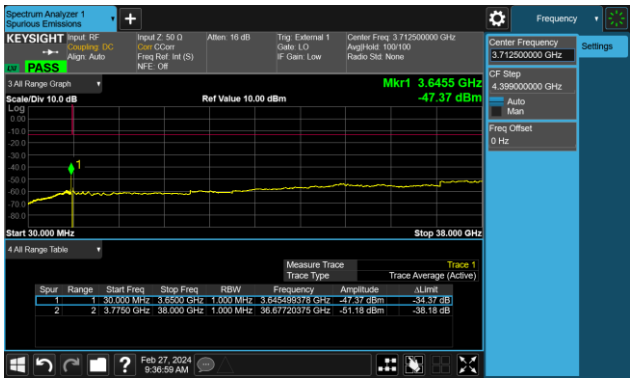
Test Site	SIP-SR1	Test Engineer	Candy Luo
Test Date	2024-02-26 ~ 2024-02-28	Test Band	Intra-Band CA_43C, 1RB, QPSK

Frequency (MHz)		Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
PCC	SCC					
3710.0	3721.7	20+5	30 ~ 39000	-47.37	≤ -13.00	Pass
3747.5	3759.2	20+5	30 ~ 39000	-51.18	≤ -13.00	Pass
3785.0	3796.7	20+5	30 ~ 39000	-48.54	≤ -13.00	Pass
3710.0	3729.8	20+20	30 ~ 39000	-41.08	≤ -13.00	Pass
3740.1	3759.9	20+20	30 ~ 39000	-40.99	≤ -13.00	Pass
3770.2	3790.0	20+20	30 ~ 39000	-41.11	≤ -13.00	Pass

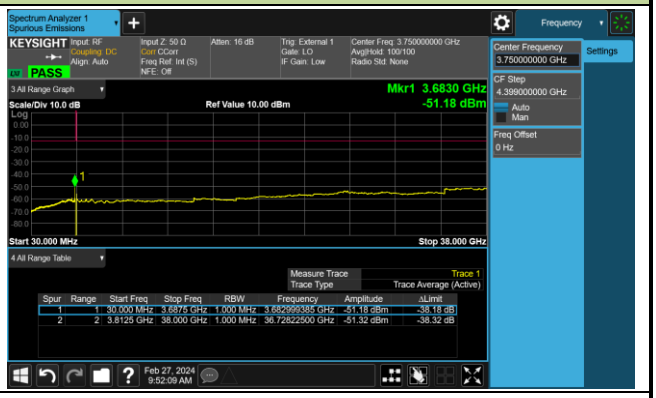
Note: The amplitude of Conducted Spurious emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

20+5MHz Channel Bandwidth

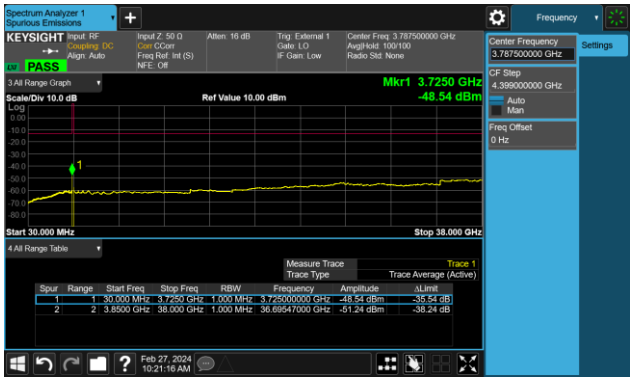
Lowest Channel



Middle Channel

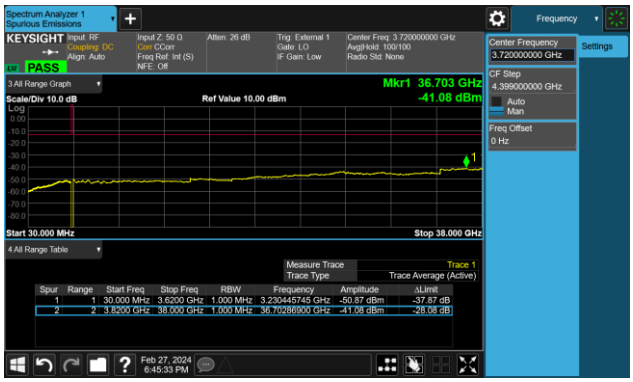


Highest Channel

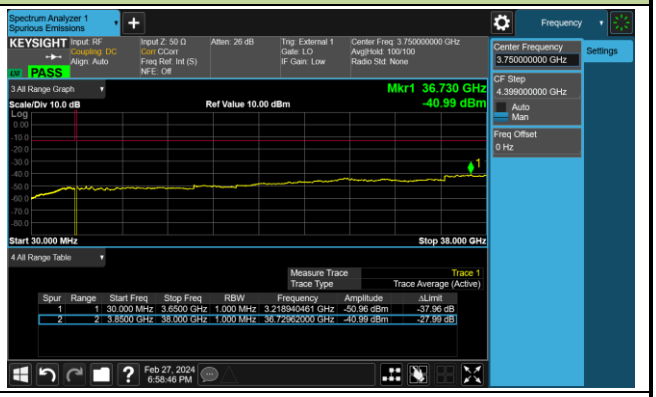


20+20MHz Channel Bandwidth

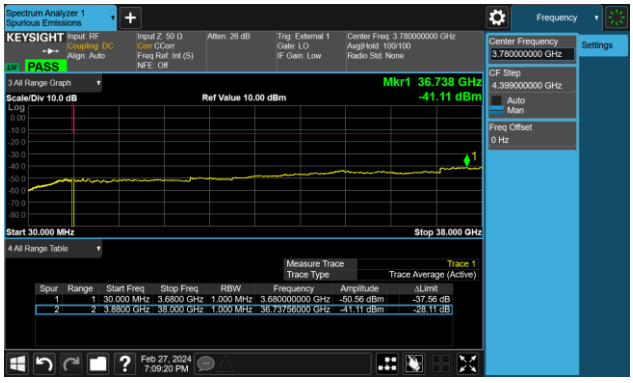
Lowest Channel



Middle Channel



Highest Channel



A.7 Radiated Spurious Emissions Test Result

Test Site	WZ-AC2	Test Engineer	Frank Xue
Test Date	2024-01-27 ~ 2024-02-06	Test Band	LTE Band 42_HPUE, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
40.200	-2.7	19.2	16.5	82.3	-65.8	Quasi-peak	Horizontal
587.600	-5.6	27.3	21.7	82.3	-60.6	Quasi-peak	Horizontal
32.800	11.5	17.1	28.6	82.3	-53.7	Quasi-peak	Vertical
54.800	7.9	20.2	28.1	82.3	-54.2	Quasi-peak	Vertical
6899.000	36.2	9.0	45.2	82.3	-37.1	Peak	Horizontal
14200.500	34.0	19.9	53.9	82.3	-28.4	Peak	Horizontal
6899.000	39.3	9.0	48.3	82.3	-34.0	Peak	Vertical
14498.000	33.8	19.4	53.2	82.3	-29.1	Peak	Vertical
Middle Channel							
51.340	-4.2	20.5	16.3	82.3	-66.0	Quasi-peak	Horizontal
604.700	-6.5	27.5	21.0	82.3	-61.3	Quasi-peak	Horizontal
32.500	12.8	17.1	29.9	82.3	-52.4	Quasi-peak	Vertical
40.200	8.2	19.2	27.4	82.3	-54.9	Quasi-peak	Vertical
7460.000	33.4	12.2	45.6	82.3	-36.7	Peak	Horizontal
14328.000	33.0	20.2	53.2	82.3	-29.1	Peak	Horizontal
8199.500	34.1	11.4	45.5	82.3	-36.8	Peak	Vertical
14464.000	35.2	20.2	55.4	82.3	-26.9	Peak	Vertical
High Channel							
46.700	-5.4	20.5	15.1	82.3	-67.2	Quasi-peak	Horizontal
589.200	-7.2	27.4	20.2	82.3	-62.1	Quasi-peak	Horizontal
31.940	10.7	17.1	27.8	82.3	-54.5	Quasi-peak	Vertical
40.200	8.2	19.2	27.4	82.3	-54.9	Quasi-peak	Vertical
11701.500	34.0	17.5	51.5	82.3	-30.8	Peak	Horizontal
14209.000	33.7	19.8	53.5	82.3	-28.8	Peak	Horizontal
8055.000	34.4	12.0	46.4	82.3	-35.9	Peak	Vertical
11472.000	33.5	17.5	51.0	82.3	-31.3	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the

permissible value. Therefore, the data is not presented in the report.

Note 3: The peak-detection value will always be equal to or greater than average-detection value. In a result, the peak-detection value measured by spectrum analyzer shall represent the worst-case results.

Test Site	WZ-AC2	Test Engineer	Frank Xue
Test Date	2024-01-27 ~ 2024-02-06	Test Band	LTE Band 43_HPUE, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
52.310	-4.5	20.4	15.9	82.3	-66.4	Quasi-peak	Horizontal
590.600	-5.4	27.5	22.1	82.3	-60.2	Quasi-peak	Horizontal
31.940	12.8	17.1	29.9	82.3	-52.4	Quasi-peak	Vertical
52.300	8.5	20.4	28.9	82.3	-53.4	Quasi-peak	Vertical
8114.500	34.4	12.1	46.5	82.3	-35.8	Peak	Horizontal
14778.500	34.3	19.2	53.5	82.3	-28.8	Peak	Horizontal
9347.000	34.1	13.9	48.0	82.3	-34.3	Peak	Vertical
14226.000	33.6	20.0	53.6	82.3	-28.7	Peak	Vertical
Middle Channel							
52.900	-5.8	20.4	14.6	82.3	-67.7	Quasi-peak	Horizontal
540.700	-7.1	25.8	18.7	82.3	-63.6	Quasi-peak	Horizontal
32.900	12.9	17.1	30.0	82.3	-52.3	Quasi-peak	Vertical
52.300	7.4	20.4	27.8	82.3	-54.5	Quasi-peak	Vertical
10843.000	34.0	16.5	50.5	82.3	-31.8	Peak	Horizontal
14302.500	33.5	19.9	53.4	82.3	-28.9	Peak	Horizontal
7766.000	36.0	11.1	47.1	82.3	-35.2	Peak	Vertical
11489.000	33.4	17.7	51.1	82.3	-31.2	Peak	Vertical
High Channel							
46.700	-3.7	20.5	16.8	82.3	-65.5	Quasi-peak	Horizontal
856.890	-5.7	31.0	25.3	82.3	-57.0	Quasi-peak	Horizontal
32.900	13.9	17.1	31.0	82.3	-51.3	Quasi-peak	Vertical
53.300	8.2	20.3	28.5	82.3	-53.8	Quasi-peak	Vertical
9245.000	34.7	14.0	48.7	82.3	-33.6	Peak	Horizontal
14141.000	33.0	20.0	53.0	82.3	-29.3	Peak	Horizontal
8165.500	35.0	11.5	46.5	82.3	-35.8	Peak	Vertical
11072.500	34.3	16.5	50.8	82.3	-31.5	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Note 3: The peak-detection value will always be equal to or greater than average-detection value. In a result, the peak-detection value measured by spectrum analyzer shall represent the worst-case results.

Appendix B - Test Setup Photograph

Refer to “2401RSU047-UT” file.

Appendix C - EUT Photograph

Refer to “2401RSU047-UE” file.

The End