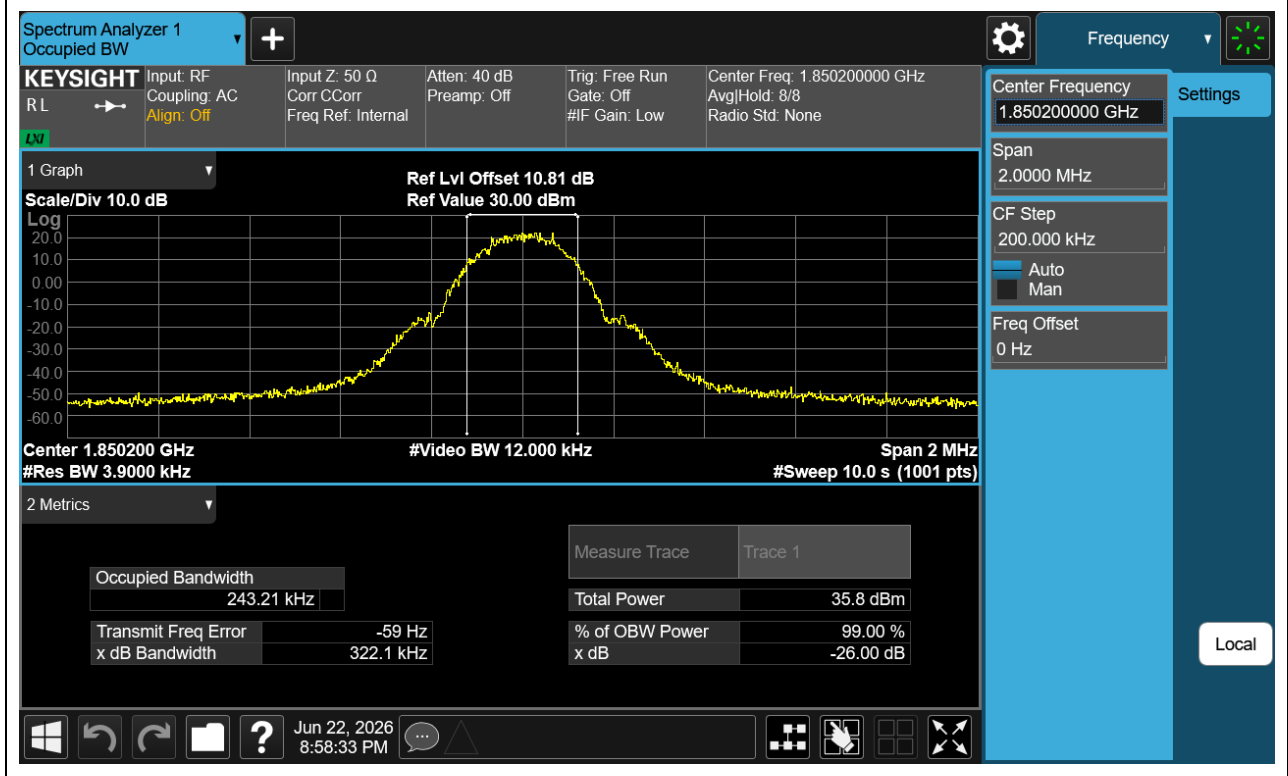


Annex A.3 Occupied Bandwidth

1. GSM_PCS

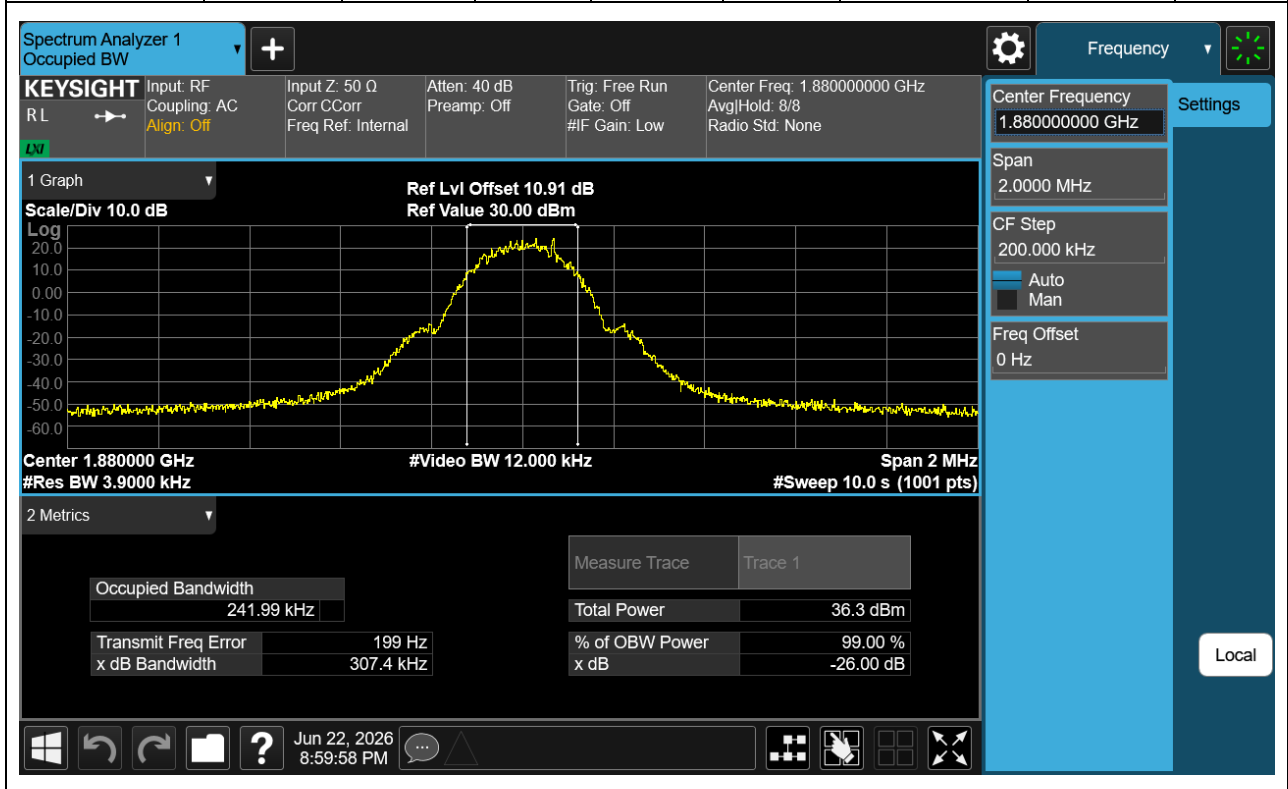
1.1. GSM Occupied Bandwidth_Part22-24(Channel:512)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.2	99	26	0.004	Peak	0.243	0.322	0.3	Pass



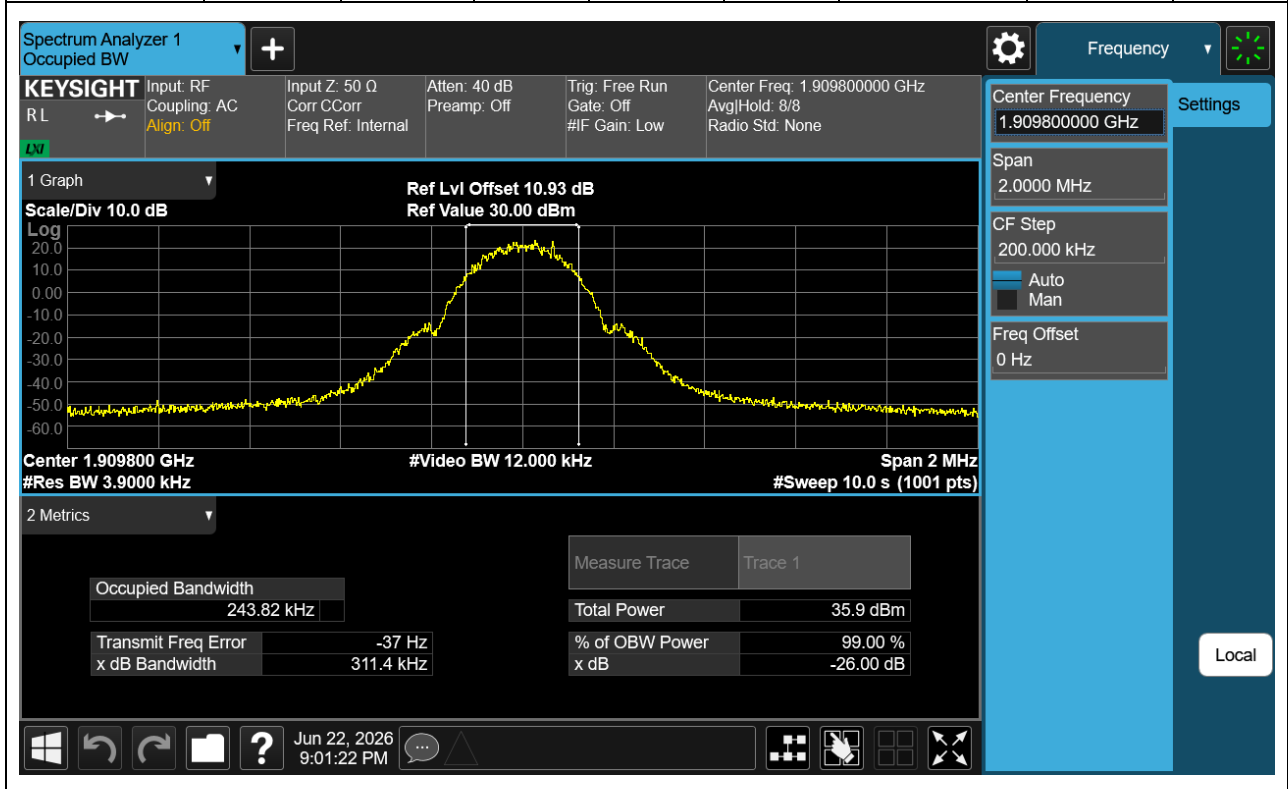
1.2. GSM Occupied Bandwidth_Part22-24(Channel:661)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.004	Peak	0.242	0.307	0.3	Pass



1.3. GSM Occupied Bandwidth_Part22-24(Channel:810)(NTNV)

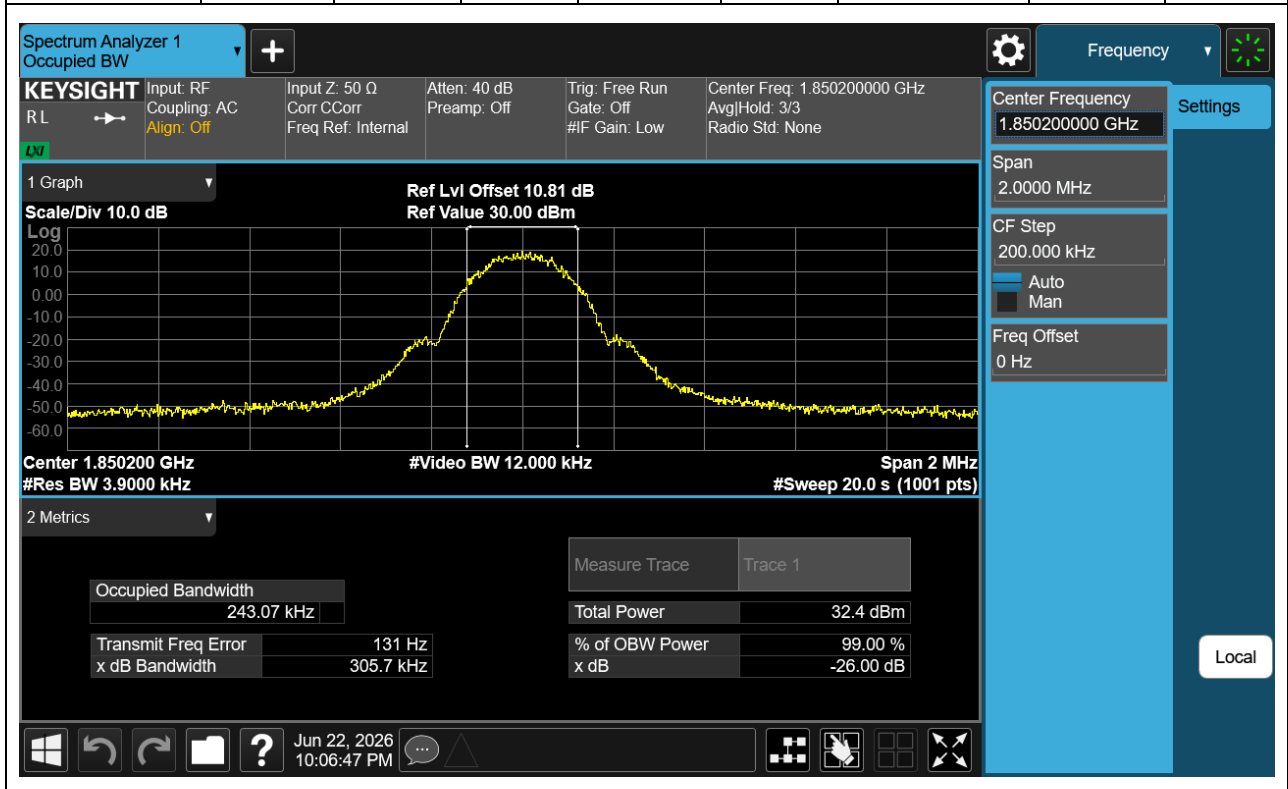
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.8	99	26	0.004	Peak	0.244	0.311	0.3	Pass



1. EGPRS_PCS

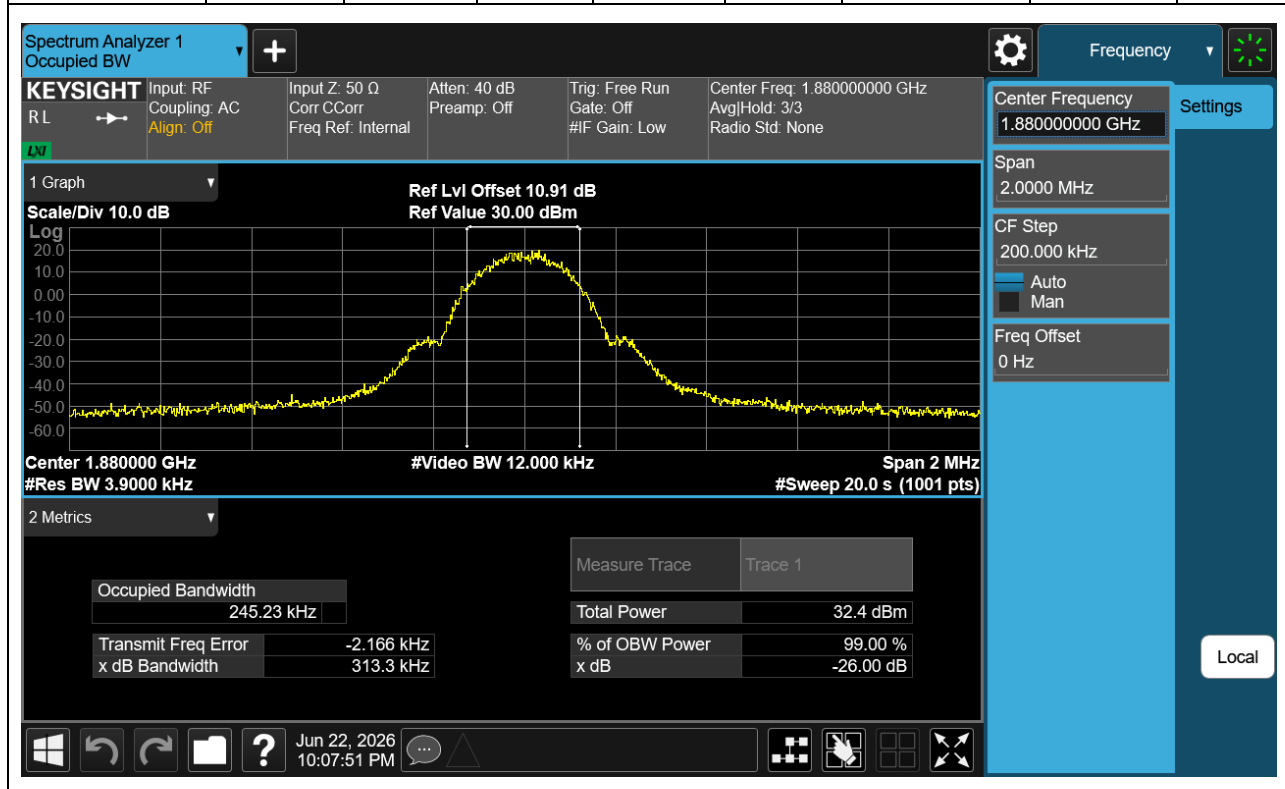
1.1. EGPRS Occupied Bandwidth_Part22-24(Channel:512)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.2	99	26	0.004	Peak	0.243	0.306	0.3	Pass



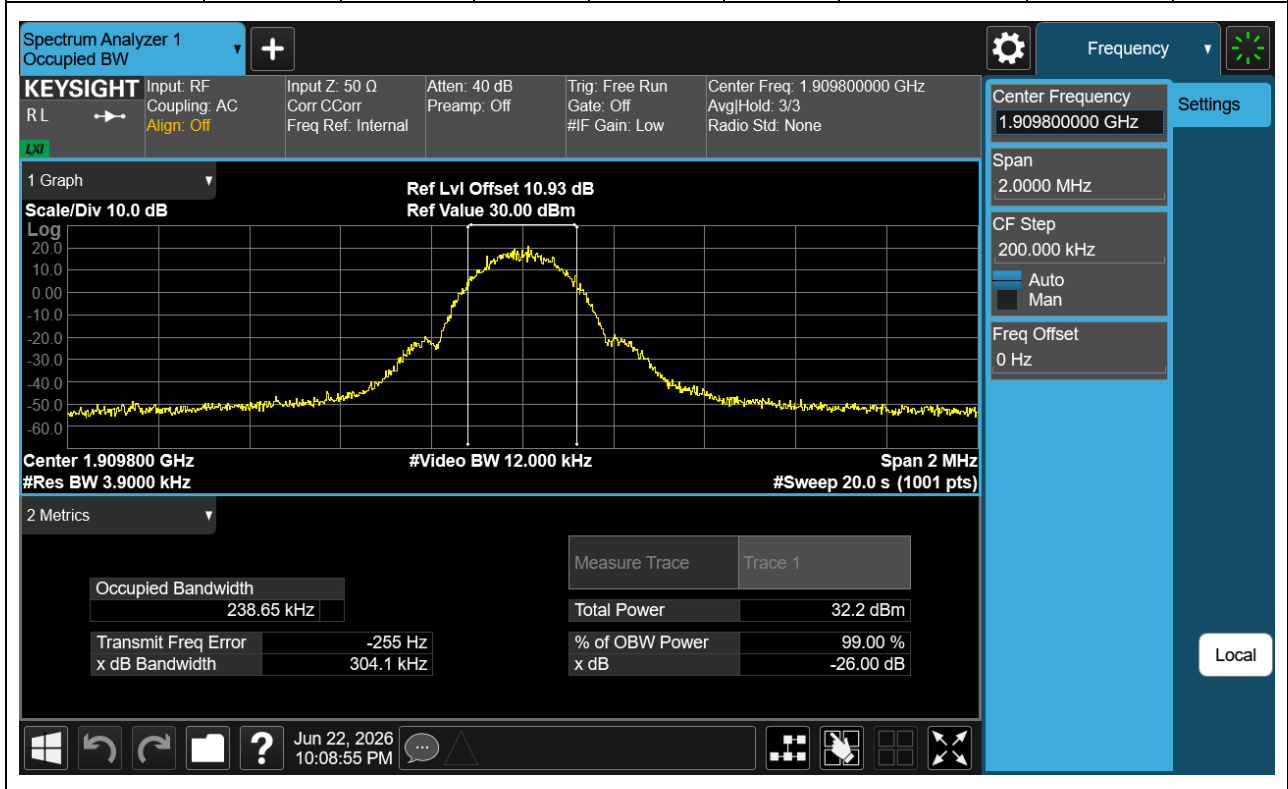
1.2. EGPRS Occupied Bandwidth_Part22-24(Channel:661)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.004	Peak	0.245	0.313	0.3	Pass



1.3. EGPRS Occupied Bandwidth_Part22-24(Channel:810)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.8	99	26	0.004	Peak	0.239	0.304	0.3	Pass



1. WCDMA_Band2

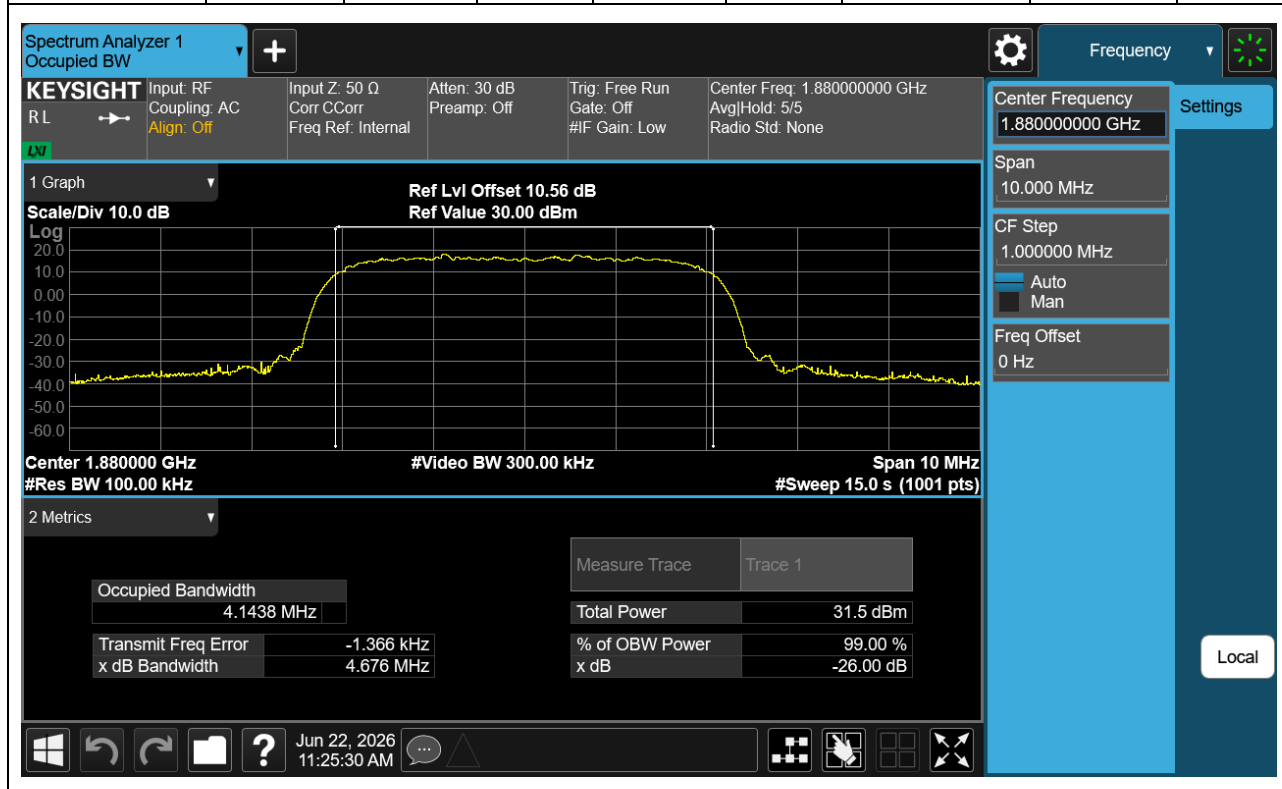
1.1. WCDMA Occupied Bandwidth_Part22-24-27(Channel:9262)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.4	99	26	0.1	Peak	4.143	4.677	5	Pass



1.2. WCDMA Occupied Bandwidth_Part22-24-27(Channel:9400)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.1	Peak	4.144	4.676	5	Pass



1.3. WCDMA Occupied Bandwidth_Part22-24-27(Channel:9538)(NTNV)

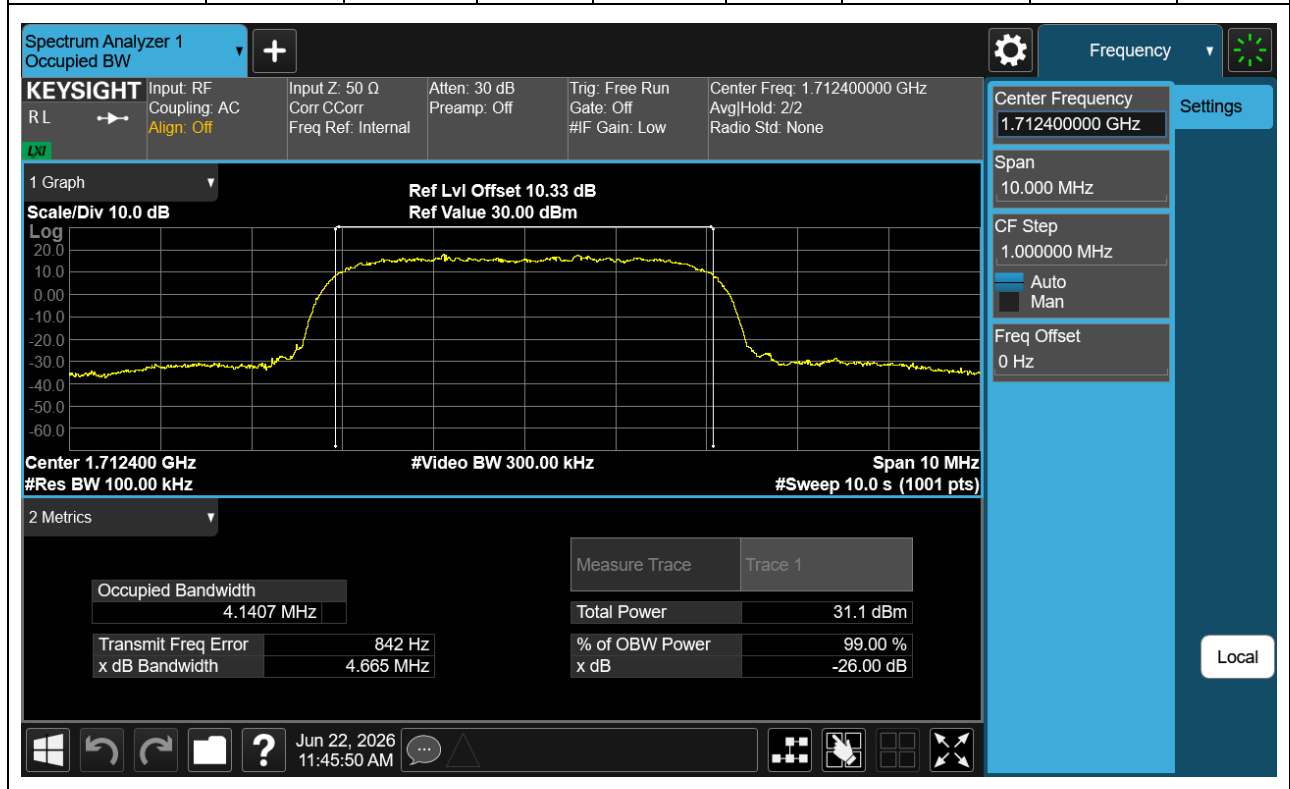
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.6	99	26	0.1	Peak	4.143	4.676	5	Pass



2. WCDMA_Band4

2.1. WCDMA Occupied Bandwidth_Part22-24-27(Channel:1312)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.4	99	26	0.1	Peak	4.141	4.665	5	Pass



2.2. WCDMA Occupied Bandwidth_Part22-24-27(Channel:1412)(NTNV)



2.3. WCDMA Occupied Bandwidth_Part22-24-27(Channel:1513)(NTNV)

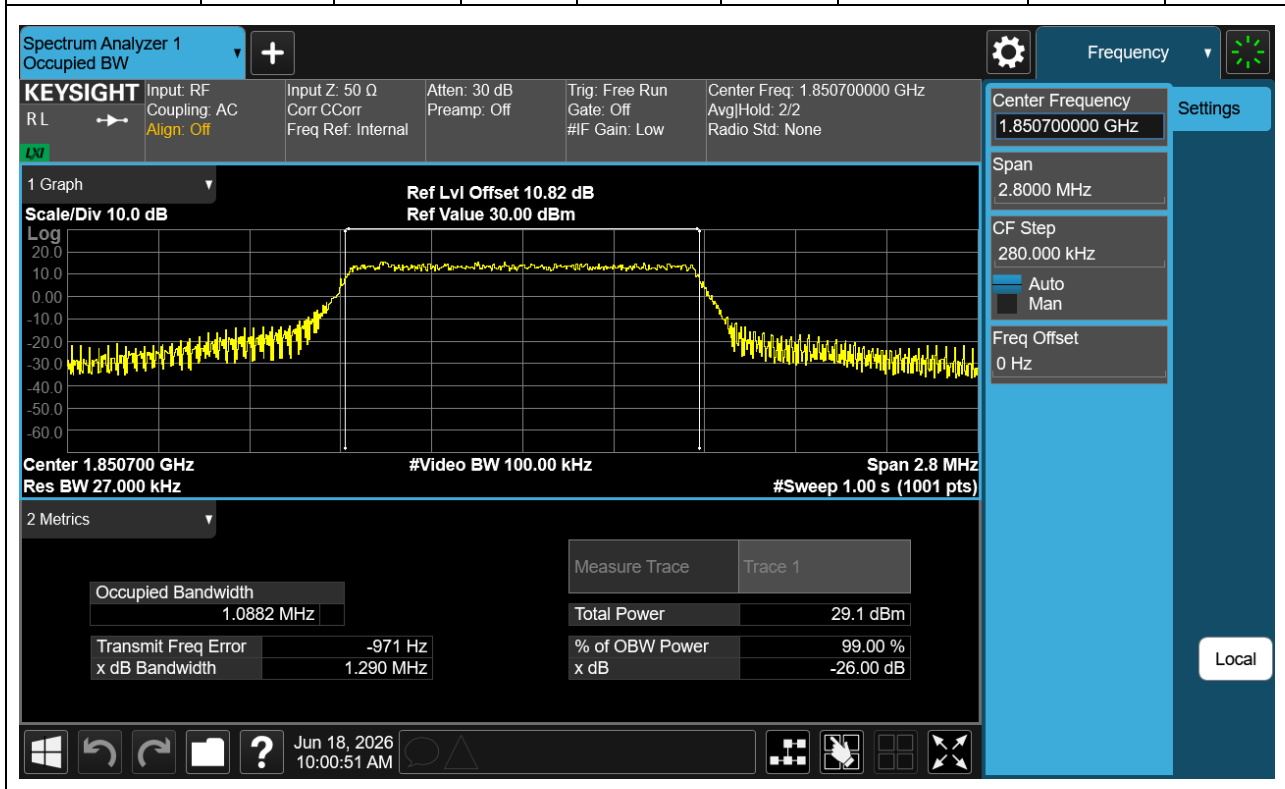
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1752.6	99	26	0.1	Peak	4.146	4.676	5	Pass



1. LTE_Band2

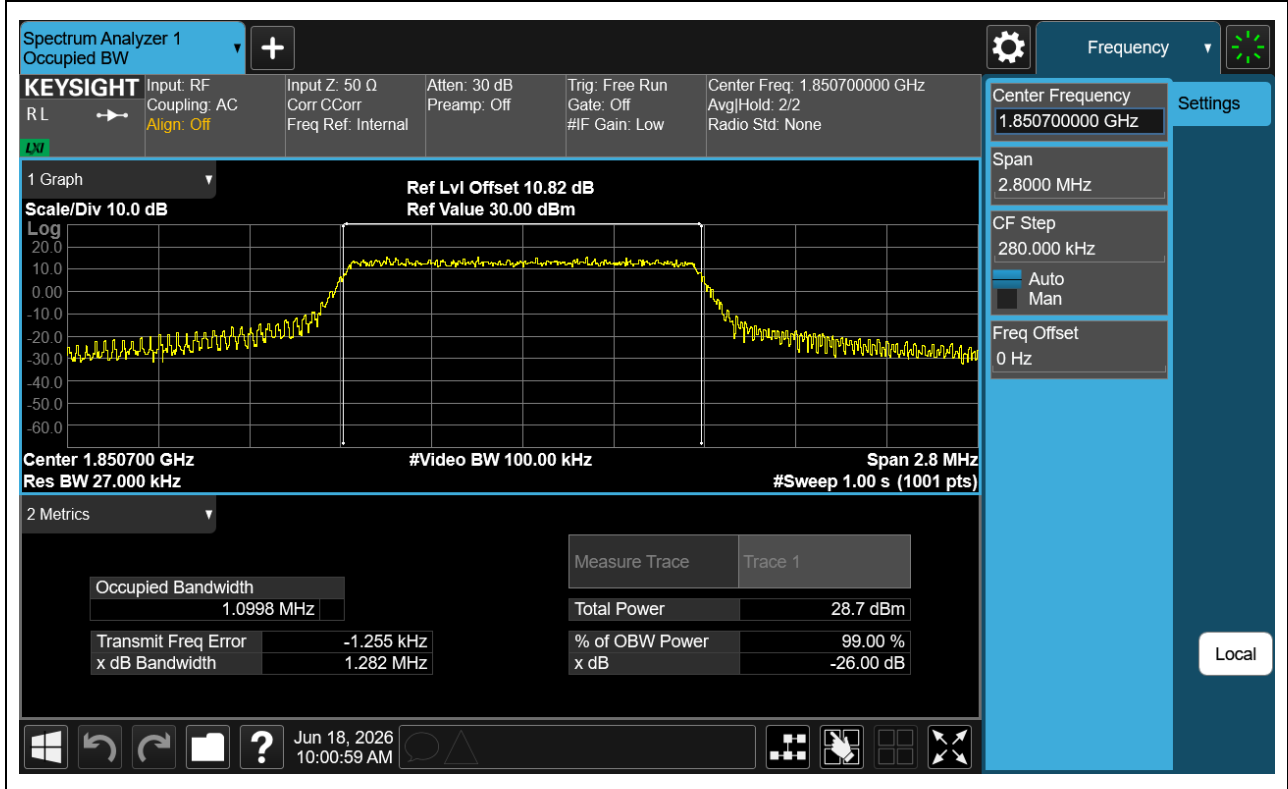
1.1. LTE Occupied Bandwidth_Part22-24-27(Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.7	99	26	0.028	Peak	1.088	1.29	1.4	Pass



1.2. LTE Occupied Bandwidth_Part22-24-27(Channel:18607, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.7	99	26	0.028	Peak	1.1	1.282	1.4	Pass

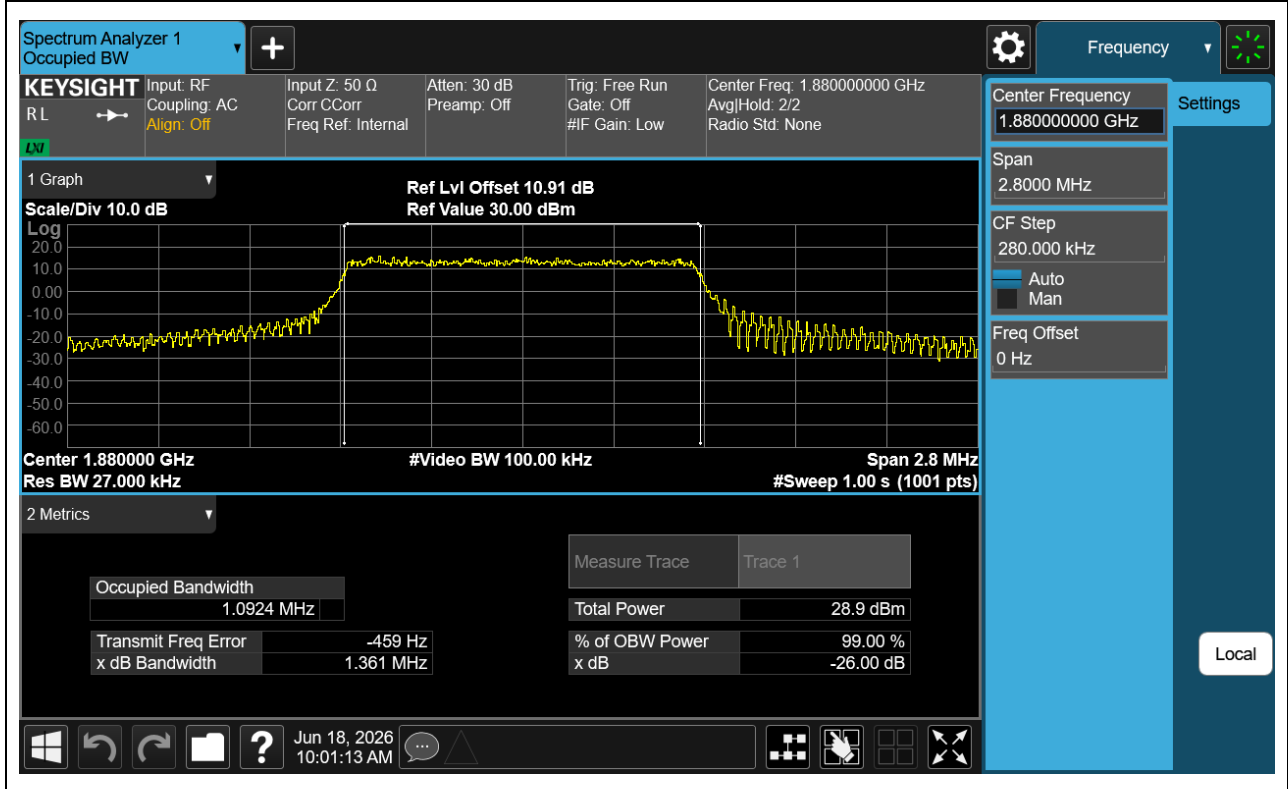


1.3. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)(NTNV)



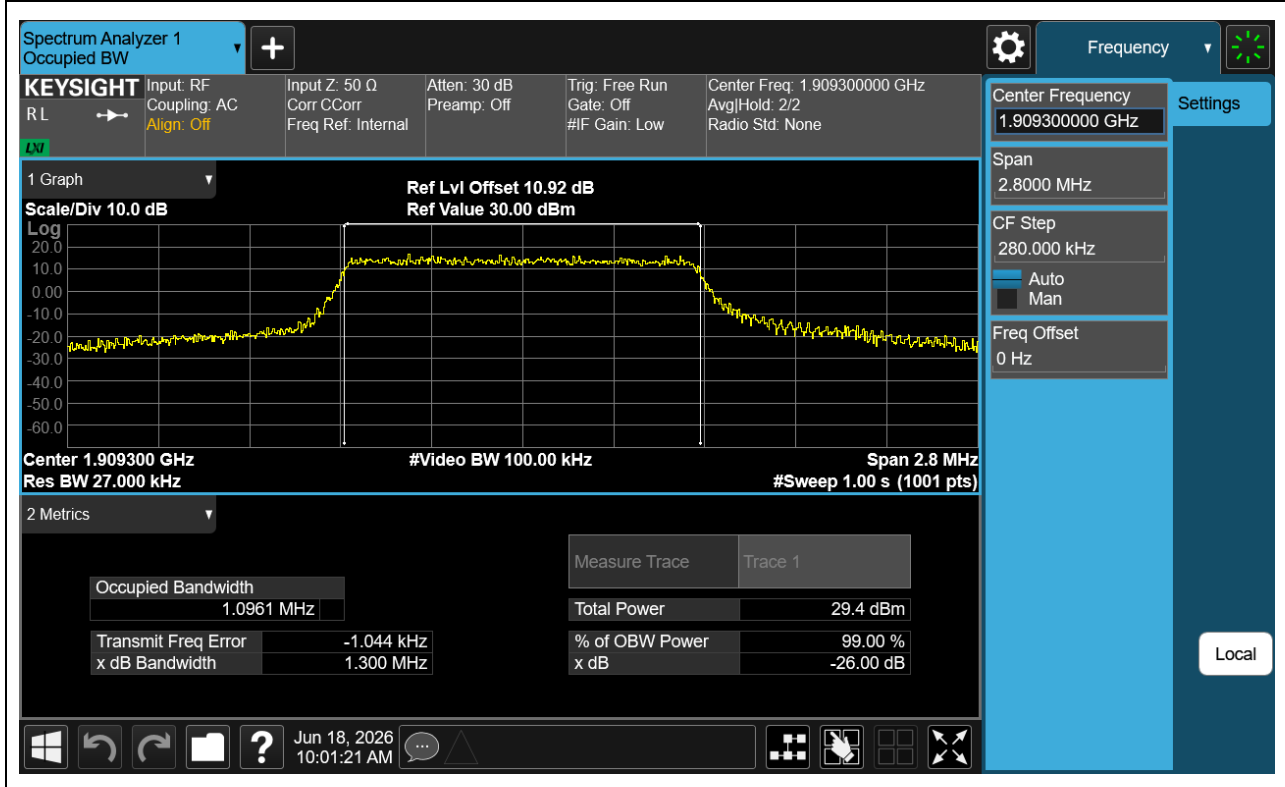
1.4. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.028	Peak	1.092	1.361	1.4	Pass



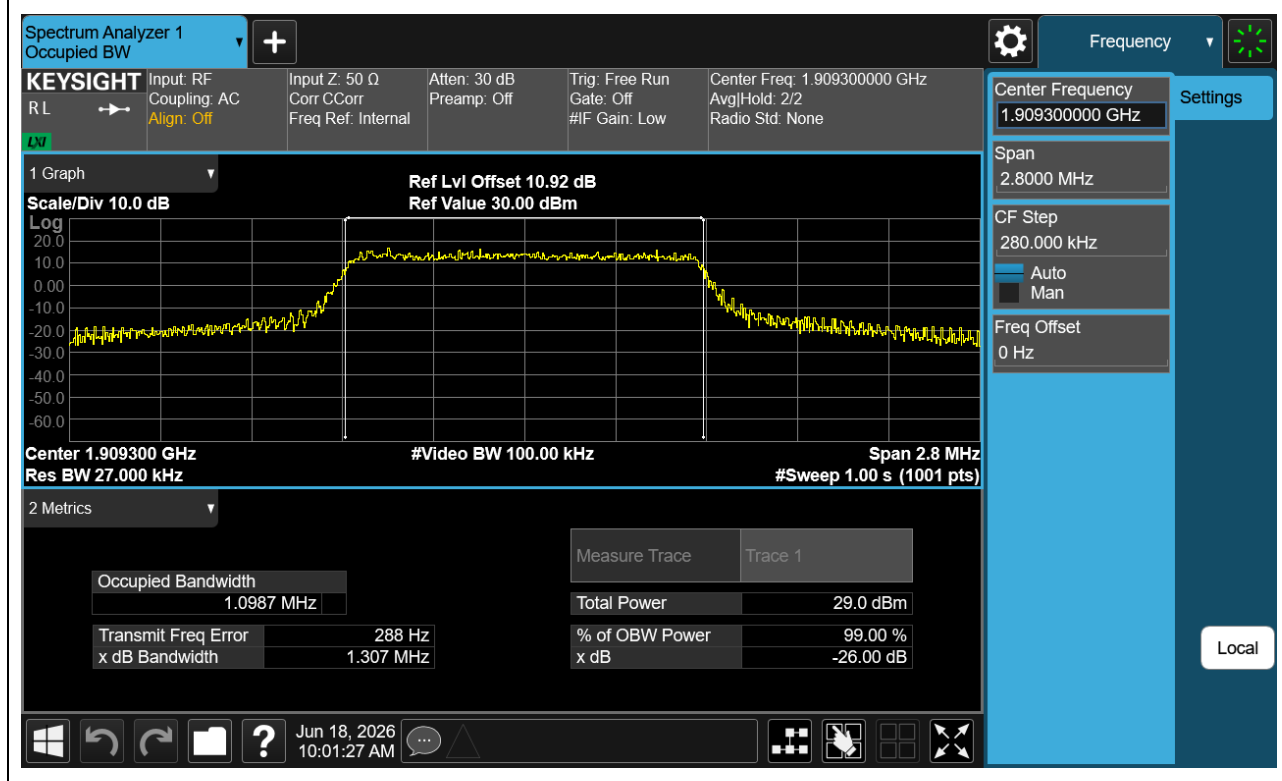
1.5. LTE Occupied Bandwidth_Part22-24-27(Channel:19193, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.3	99	26	0.028	Peak	1.096	1.3	1.4	Pass



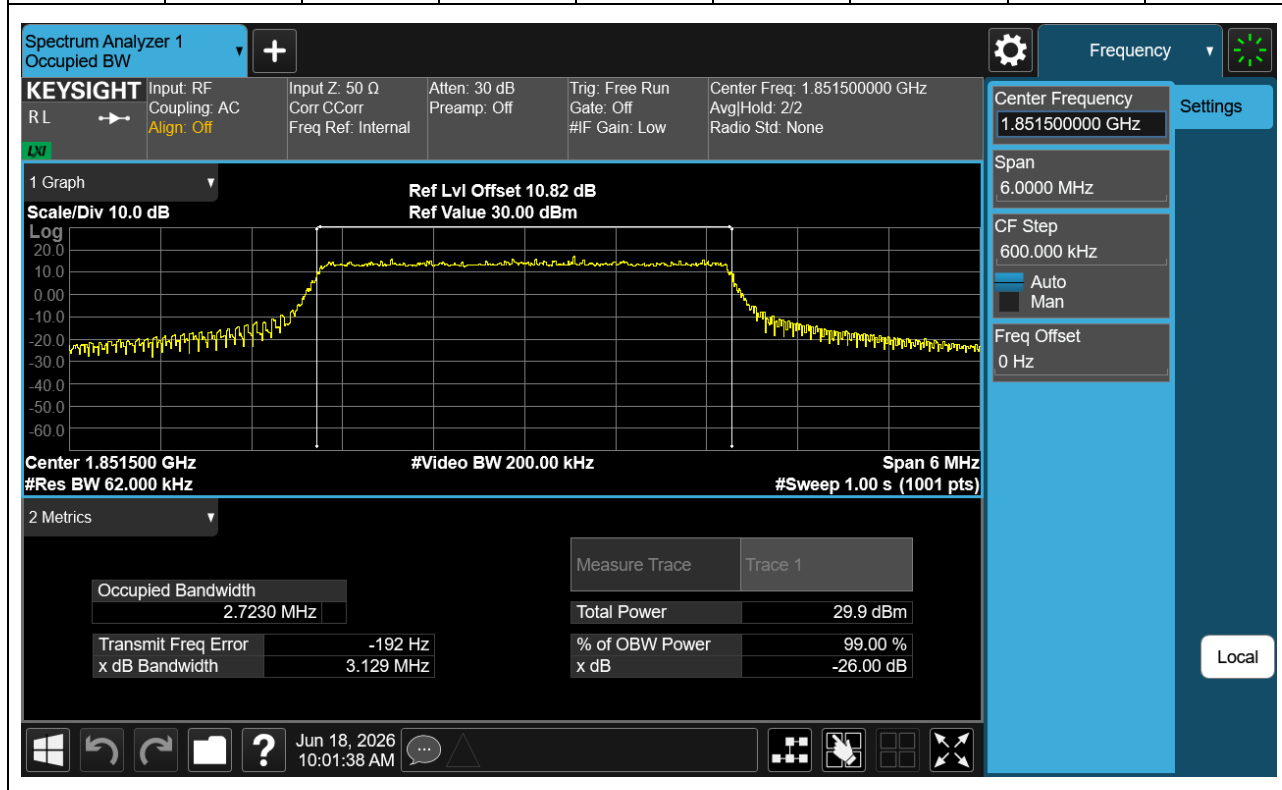
1.6. LTE Occupied Bandwidth_Part22-24-27(Channel:19193, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.3	99	26	0.028	Peak	1.099	1.307	1.4	Pass



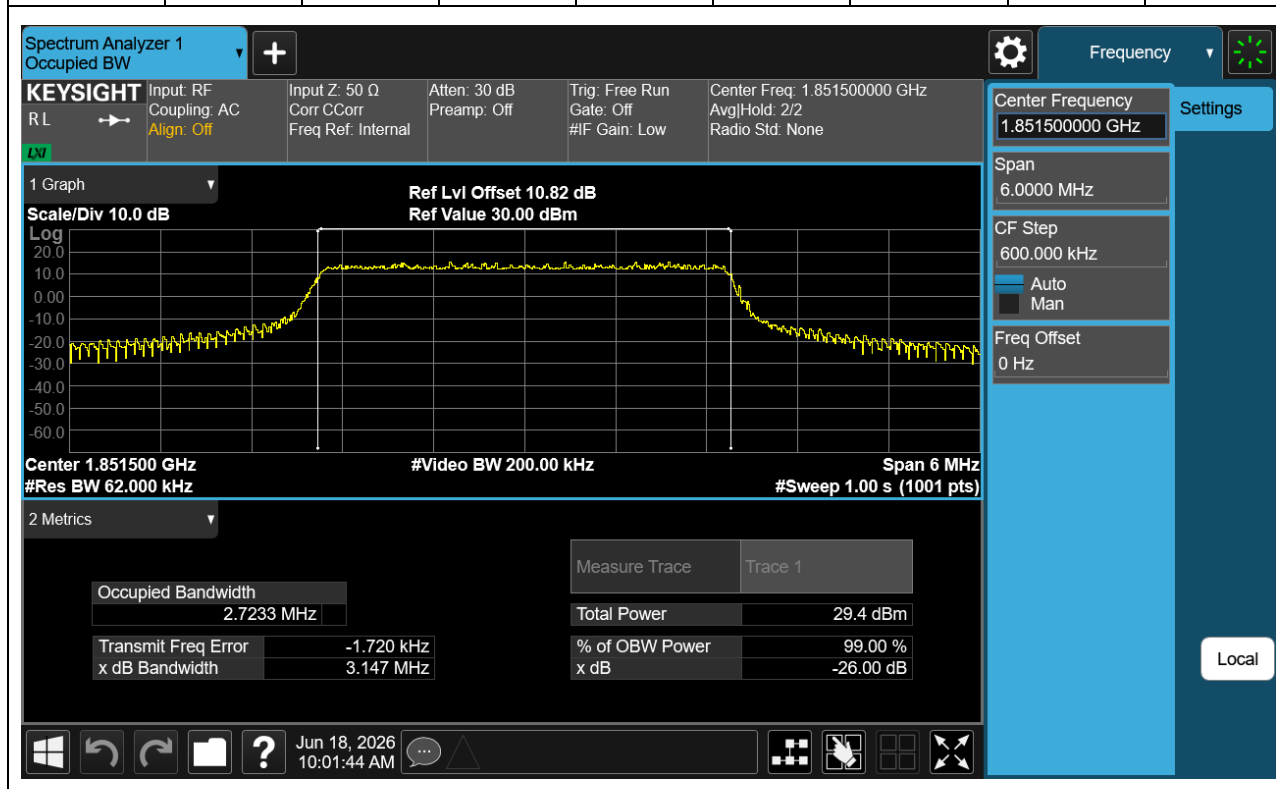
1.7. LTE Occupied Bandwidth_Part22-24-27(Channel:18615, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.06	Peak	2.723	3.129	3	Pass



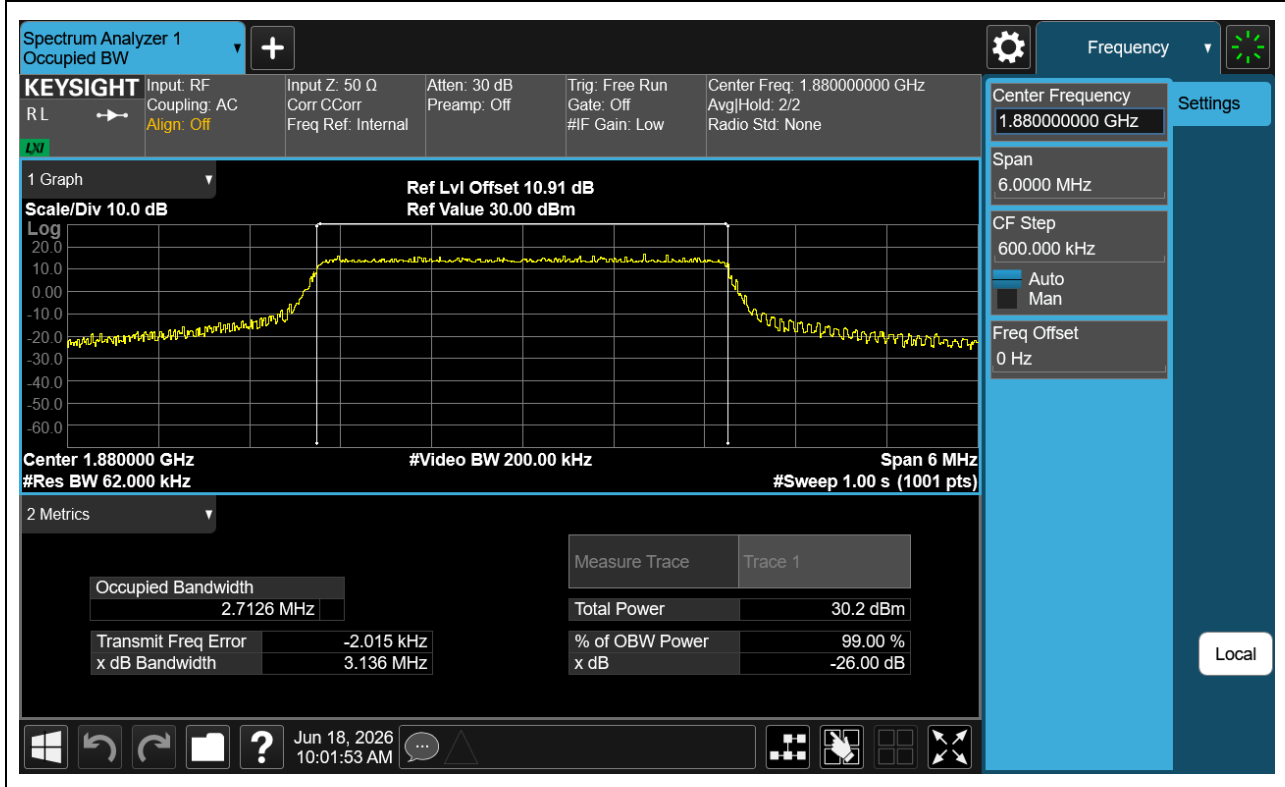
1.8. LTE Occupied Bandwidth_Part22-24-27(Channel:18615, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.06	Peak	2.723	3.147	3	Pass



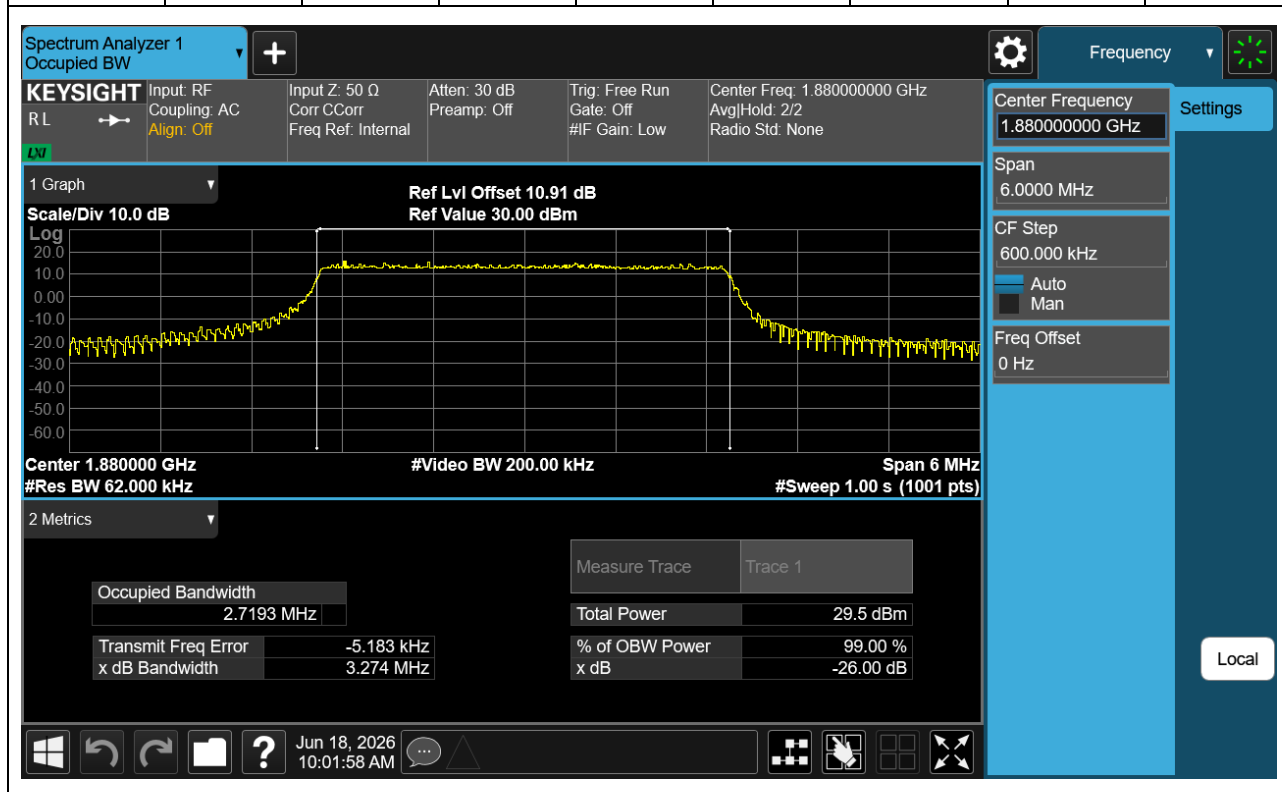
1.9. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.06	Peak	2.713	3.136	3	Pass



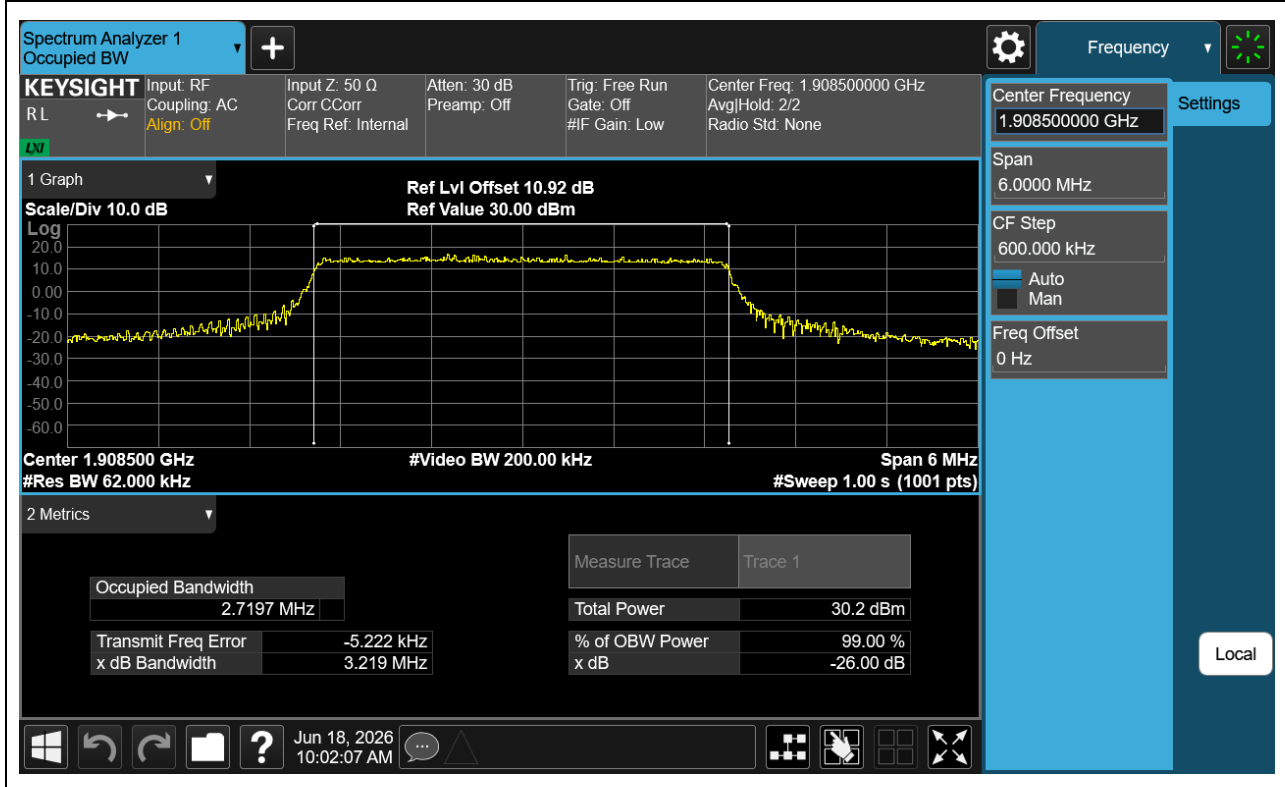
1.10. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.06	Peak	2.719	3.274	3	Pass



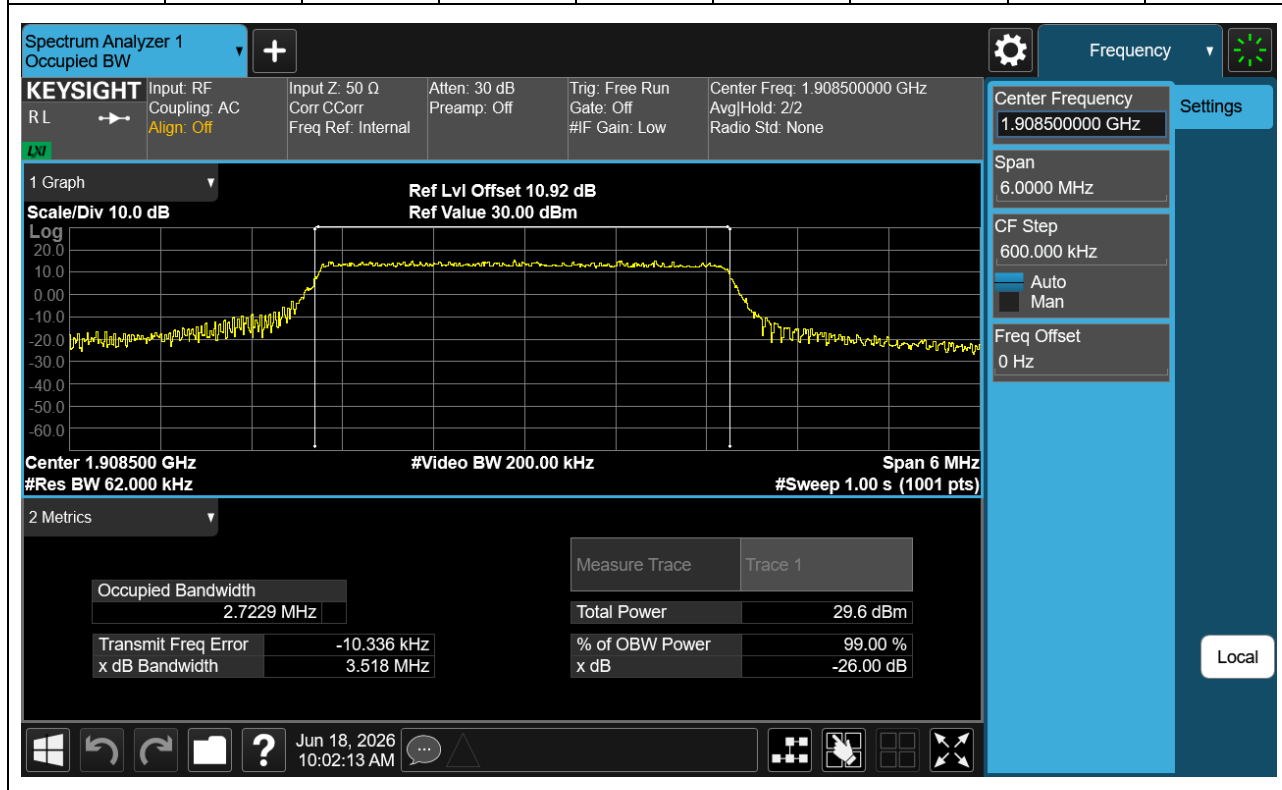
1.11. LTE Occupied Bandwidth_Part22-24-27(Channel:19185, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1908.5	99	26	0.06	Peak	2.72	3.219	3	Pass



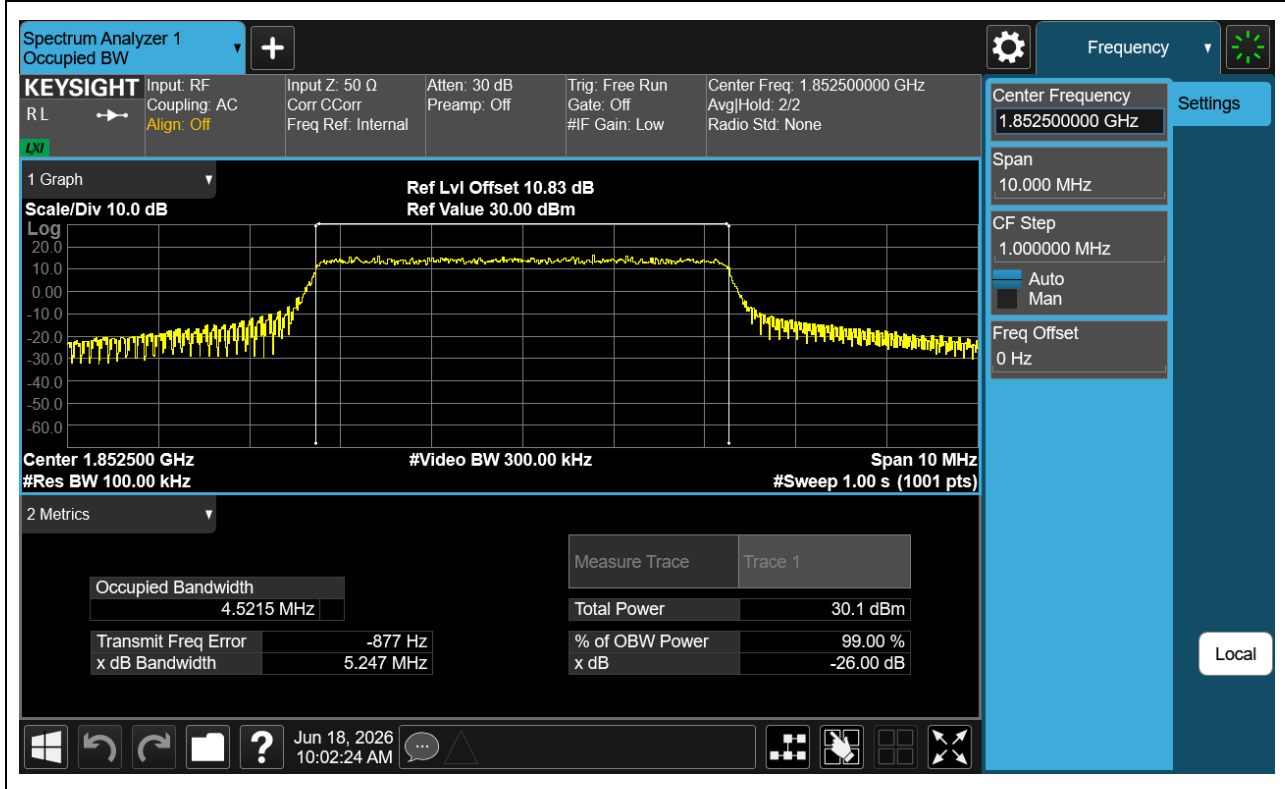
1.12. LTE Occupied Bandwidth_Part22-24-27(Channel:19185, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1908.5	99	26	0.06	Peak	2.723	3.518	3	Pass



1.13. LTE Occupied Bandwidth_Part22-24-27(Channel:18625, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.5	99	26	0.1	Peak	4.522	5.247	5	Pass

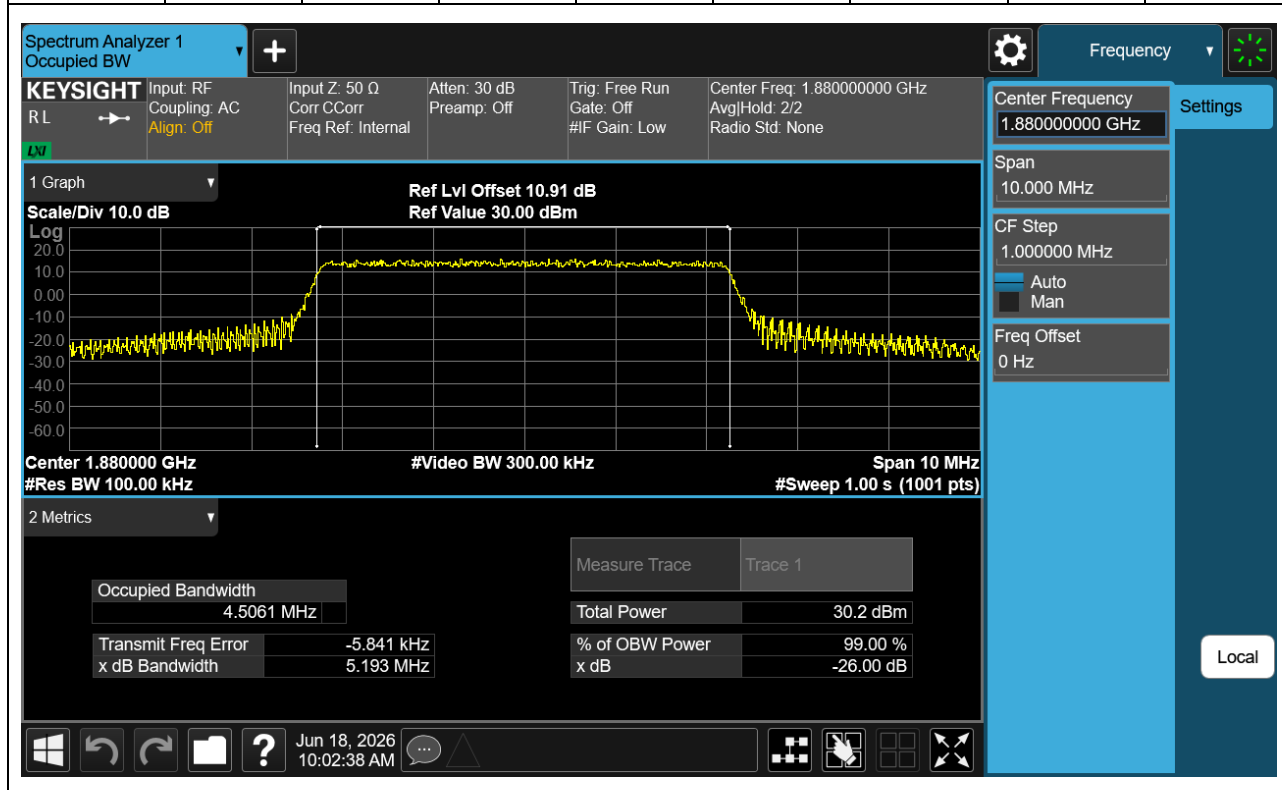


1.14. LTE Occupied Bandwidth_Part22-24-27(Channel:18625, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)(NTNV)



1.15. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.1	Peak	4.506	5.193	5	Pass

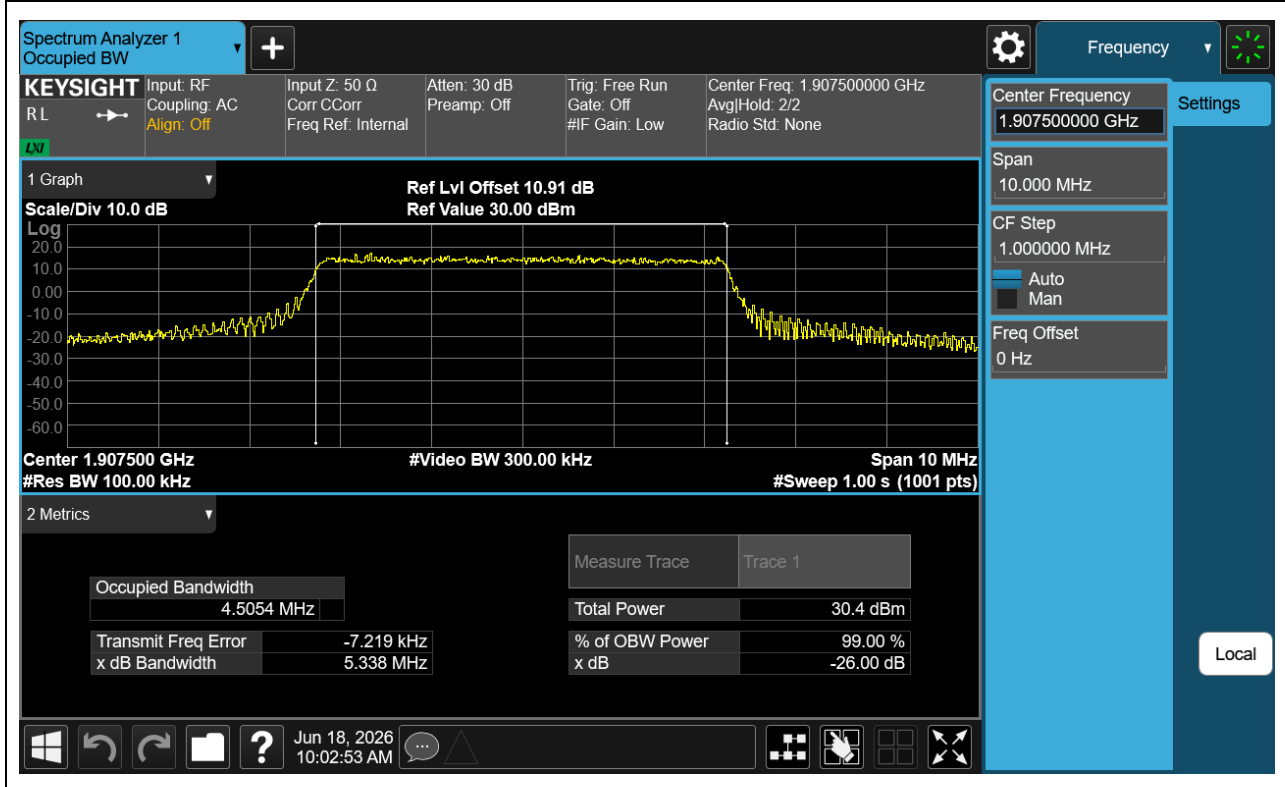


1.16. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)(NTNV)



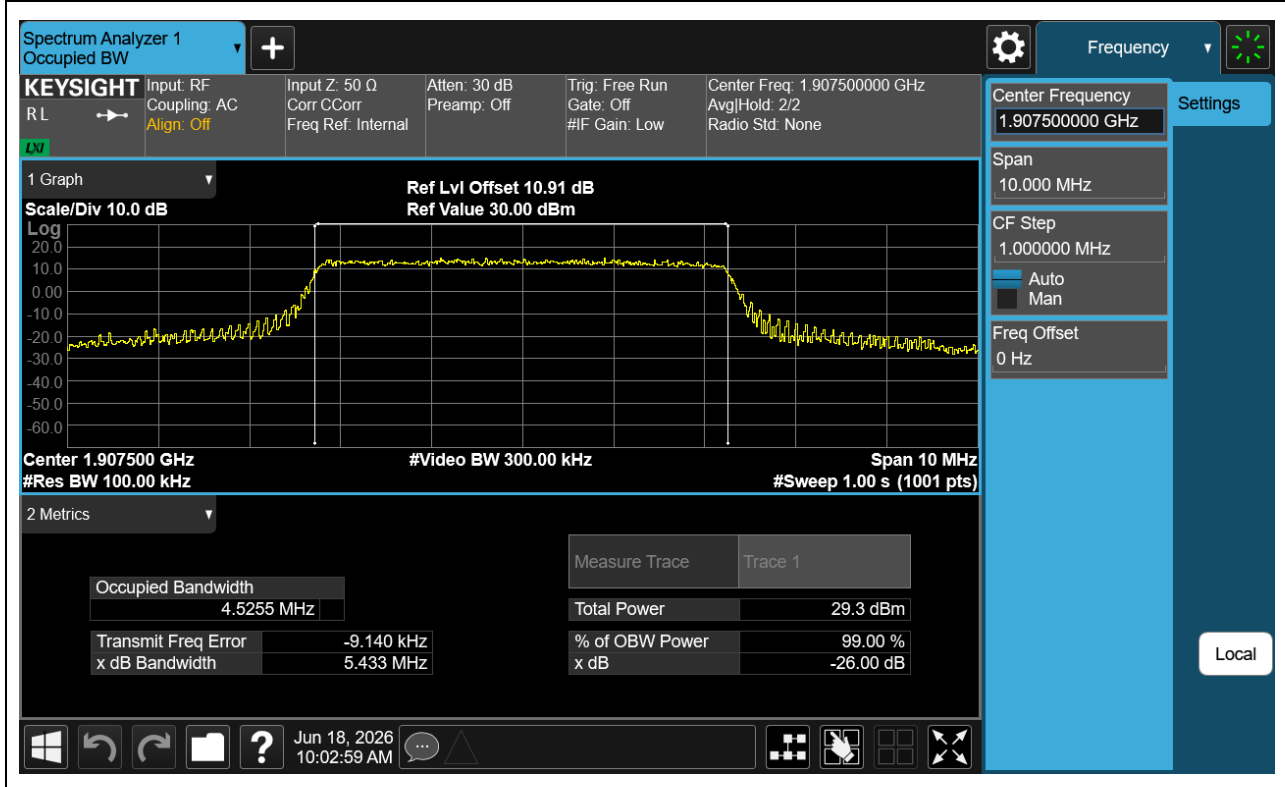
1.17. LTE Occupied Bandwidth_Part22-24-27(Channel:19175, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.5	99	26	0.1	Peak	4.505	5.338	5	Pass



1.18. LTE Occupied Bandwidth_Part22-24-27(Channel:19175, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.5	99	26	0.1	Peak	4.526	5.433	5	Pass

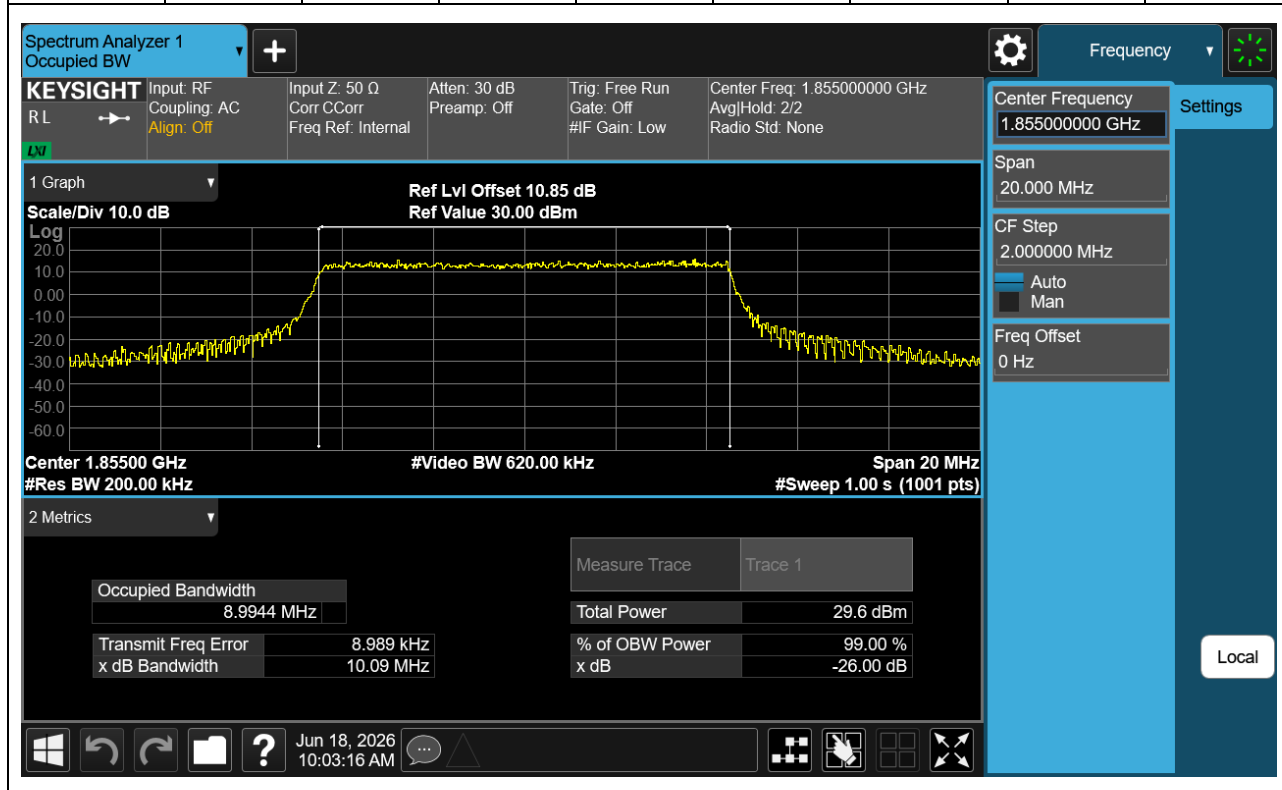


1.19. LTE Occupied Bandwidth_Part22-24-27(Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)(NTNV)



1.20. LTE Occupied Bandwidth_Part22-24-27(Channel:18650, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.994	10.092	10	Pass



1.21. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)(NTNV)



1.22. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)(NTNV)

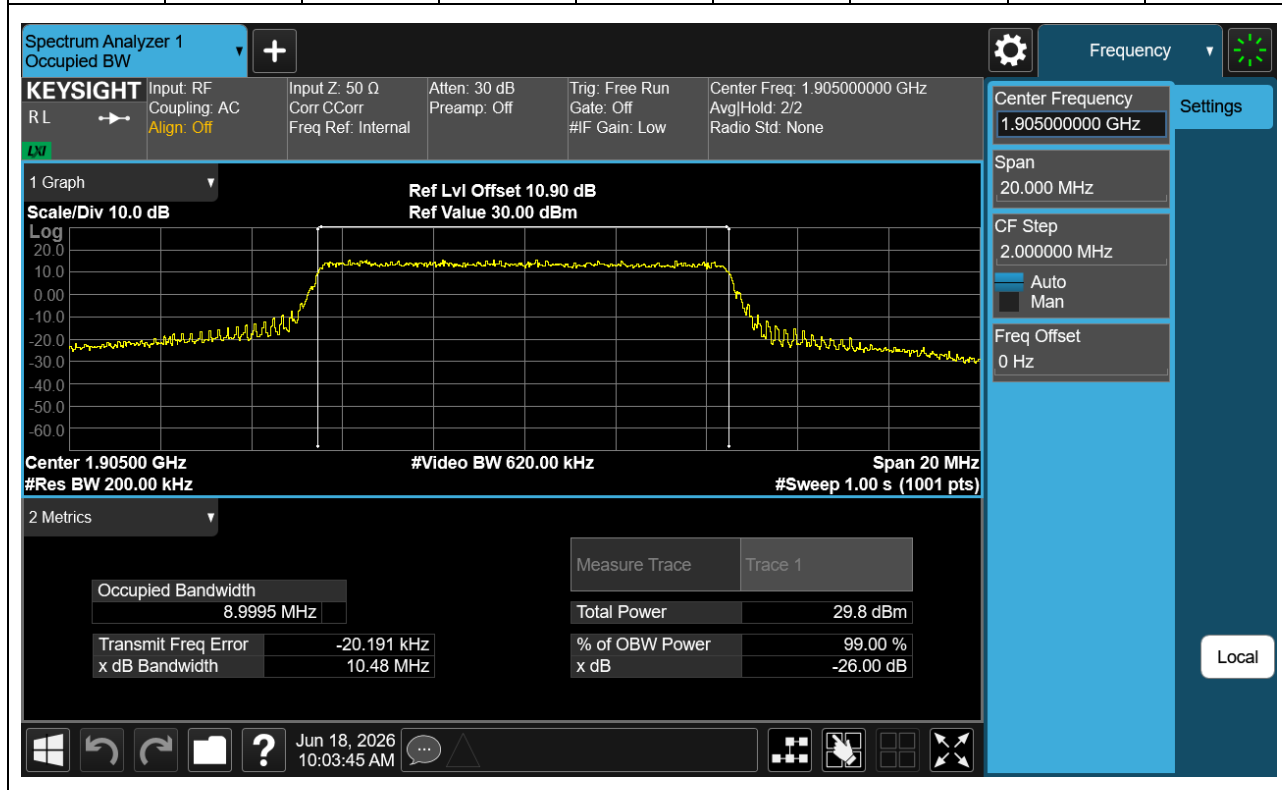


1.23. LTE Occupied Bandwidth_Part22-24-27(Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)(NTNV)



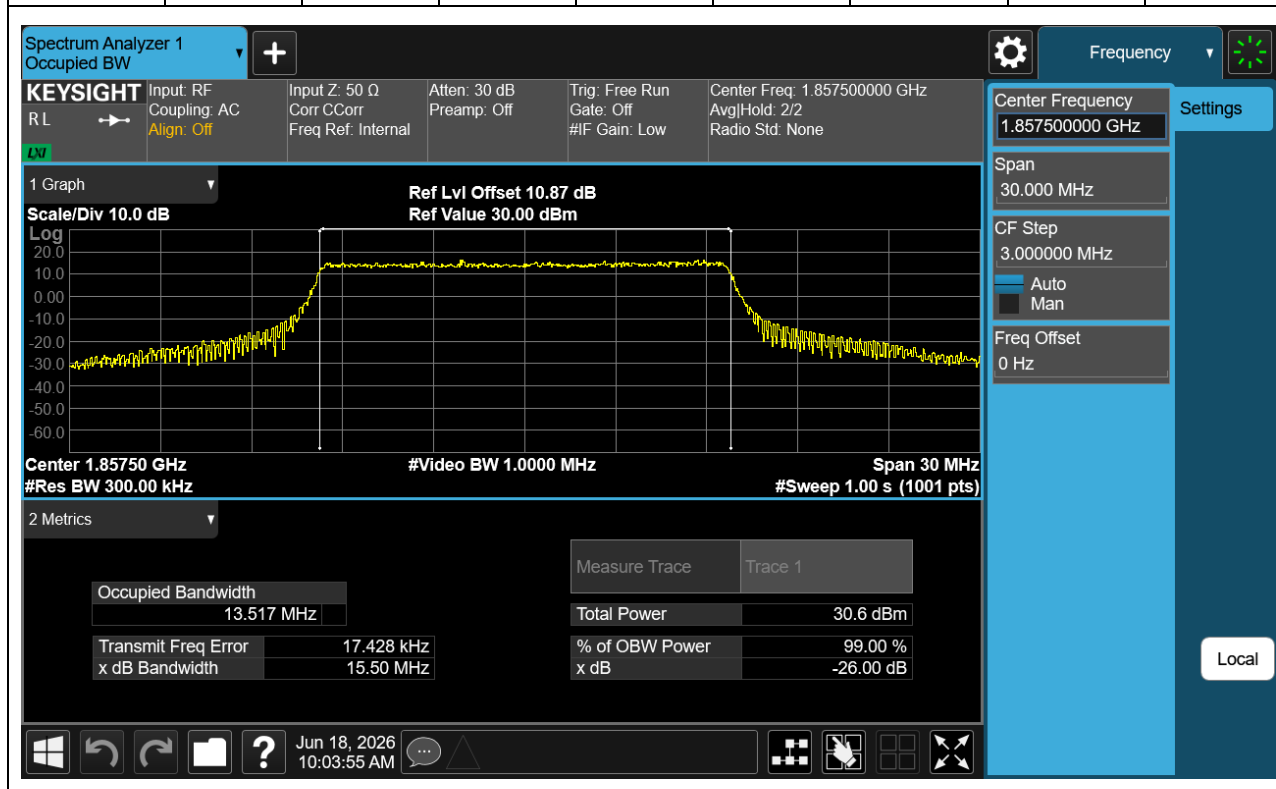
1.24. LTE Occupied Bandwidth_Part22-24-27(Channel:19150, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.2	Peak	8.999	10.476	10	Pass



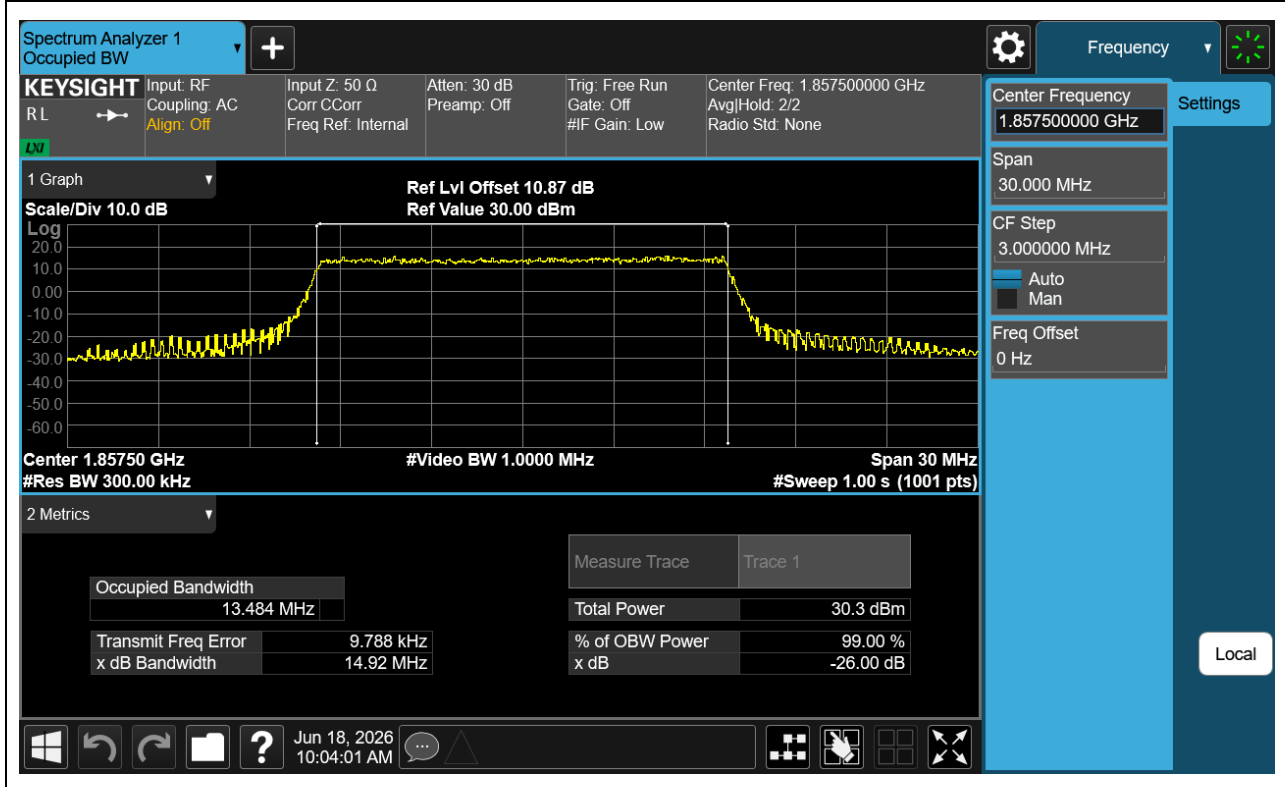
1.25. LTE Occupied Bandwidth_Part22-24-27(Channel:18675, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.517	15.502	15	Pass



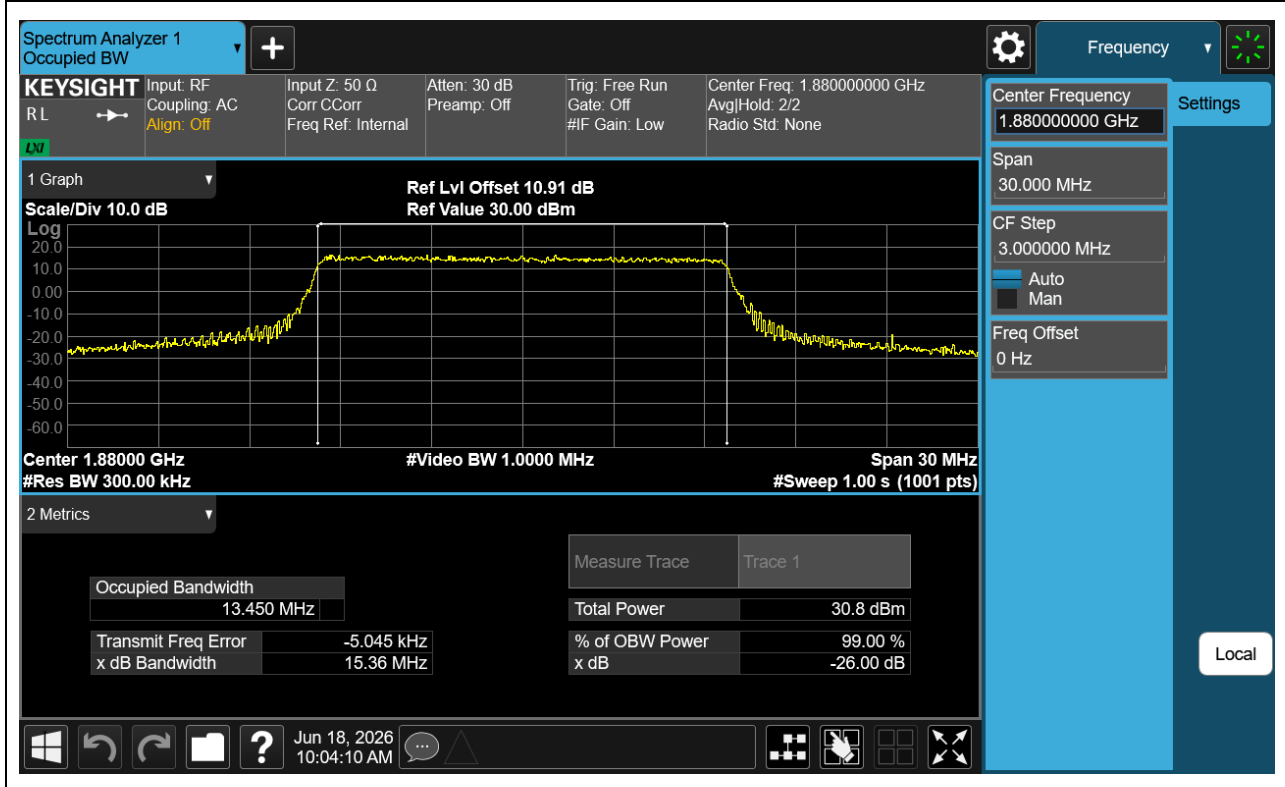
1.26. LTE Occupied Bandwidth_Part22-24-27(Channel:18675, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.484	14.924	15	Pass



1.27. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.3	Peak	13.45	15.358	15	Pass



1.28. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.3	Peak	13.502	15.223	15	Pass



1.29. LTE Occupied Bandwidth_Part22-24-27(Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)(NTNV)

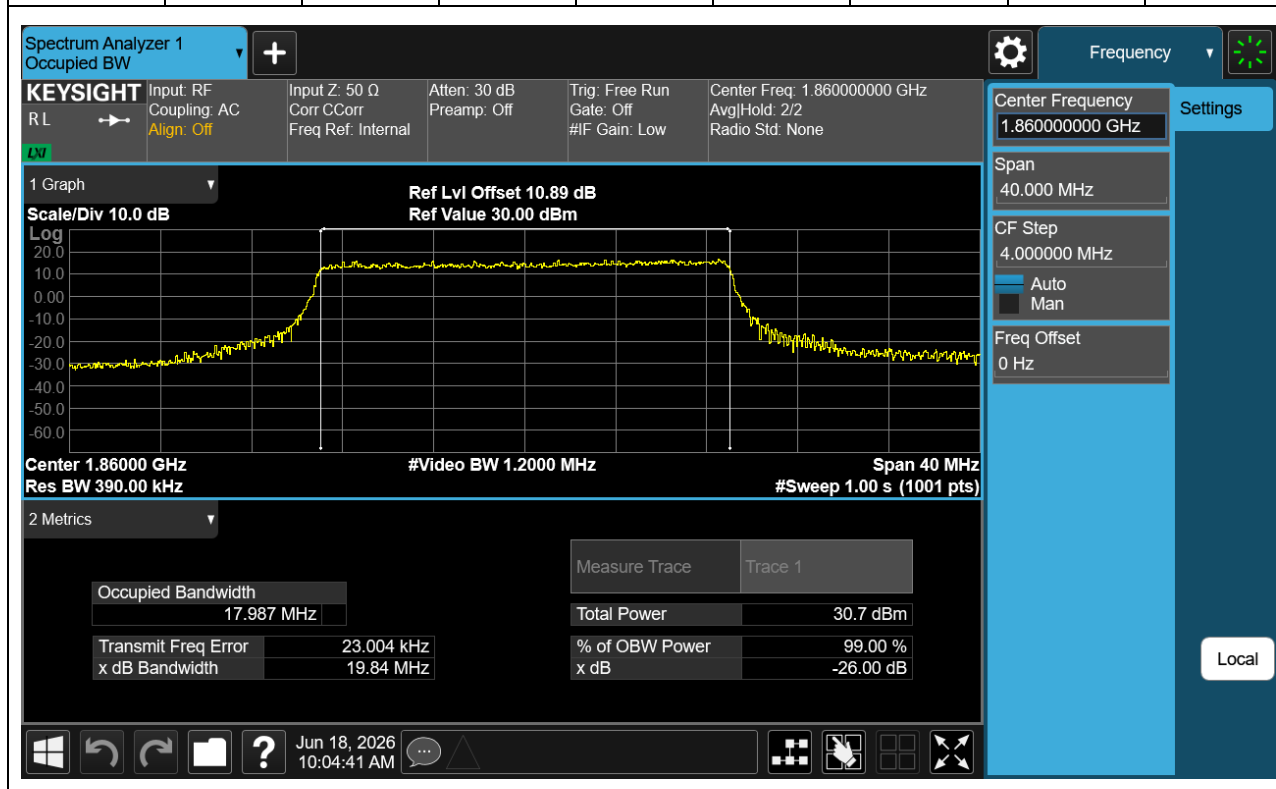


1.30. LTE Occupied Bandwidth_Part22-24-27(Channel:19125, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)(NTNV)



1.31. LTE Occupied Bandwidth_Part22-24-27(Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.4	Peak	17.987	19.844	20	Pass



1.32. LTE Occupied Bandwidth_Part22-24-27(Channel:18700, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)(NTNV)



1.33. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)(NTNV)



1.34. LTE Occupied Bandwidth_Part22-24-27(Channel:18900, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)(NTNV)



1.35. LTE Occupied Bandwidth_Part22-24-27(Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)(NTNV)



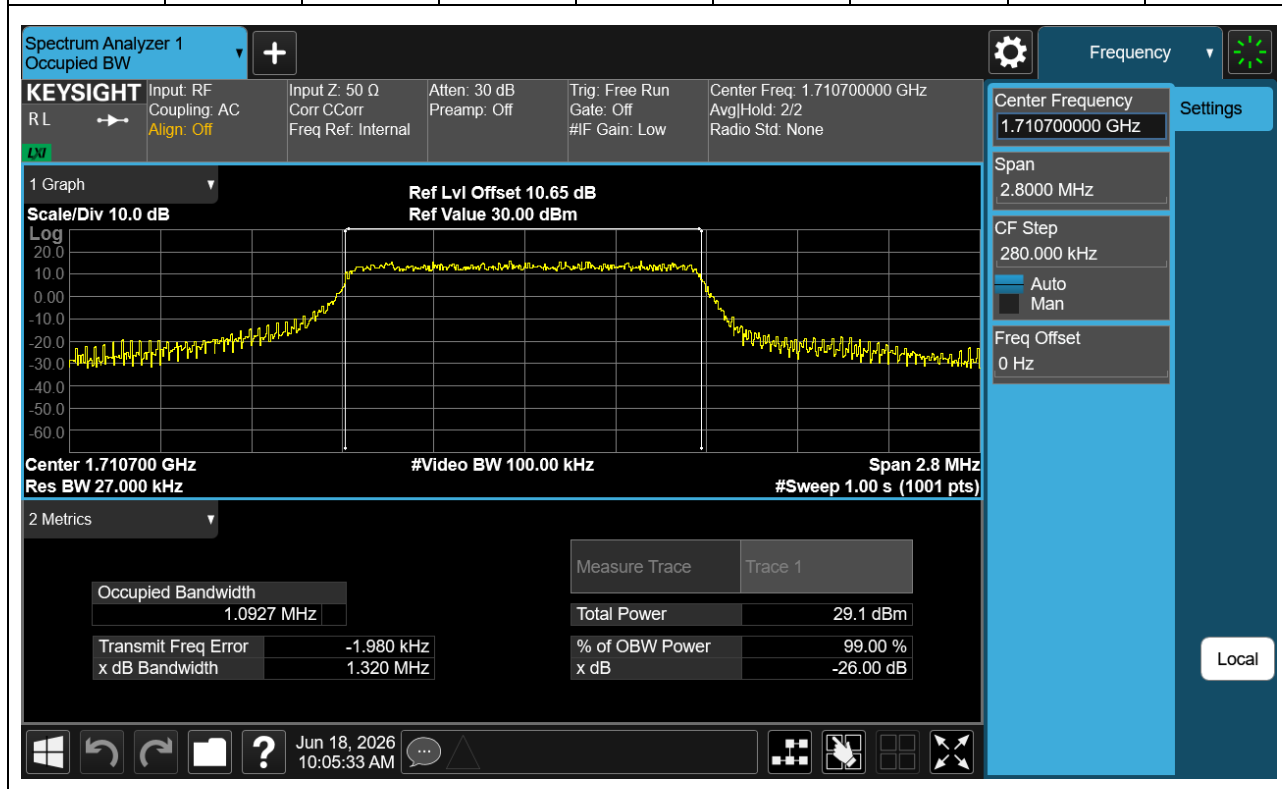
1.36. LTE Occupied Bandwidth_Part22-24-27(Channel:19100, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)(NTNV)



2. LTE_Band4

2.1. LTE Occupied Bandwidth_Part22-24-27(Channel:19957, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.028	Peak	1.093	1.32	1.4	Pass

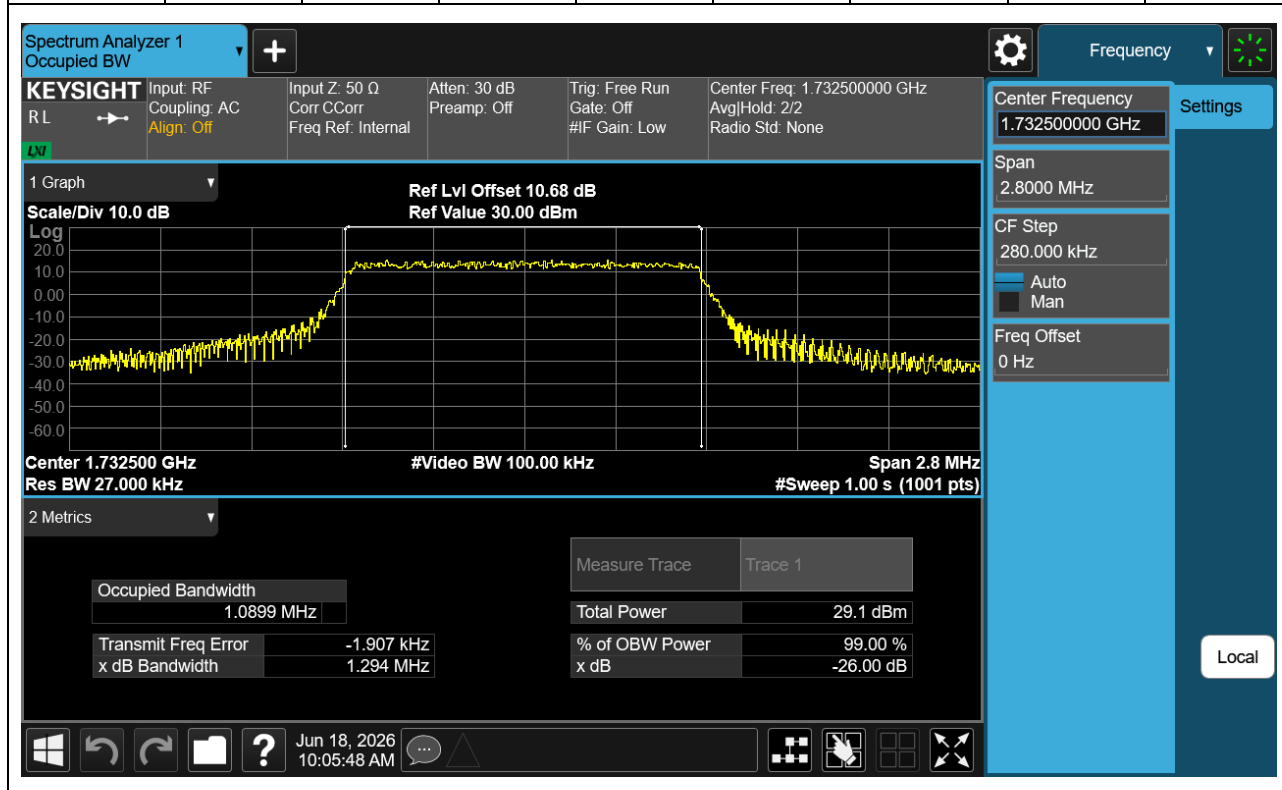


2.2. LTE Occupied Bandwidth_Part22-24-27(Channel:19957, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)(NTNV)



2.3. LTE Occupied Bandwidth_Part22-24-27(Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.028	Peak	1.09	1.294	1.4	Pass



2.4. LTE Occupied Bandwidth_Part22-24-27(Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)(NTNV)



2.5. LTE Occupied Bandwidth_Part22-24-27(Channel:20393, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)(NTNV)



2.6. LTE Occupied Bandwidth_Part22-24-27(Channel:20393, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)(NTNV)

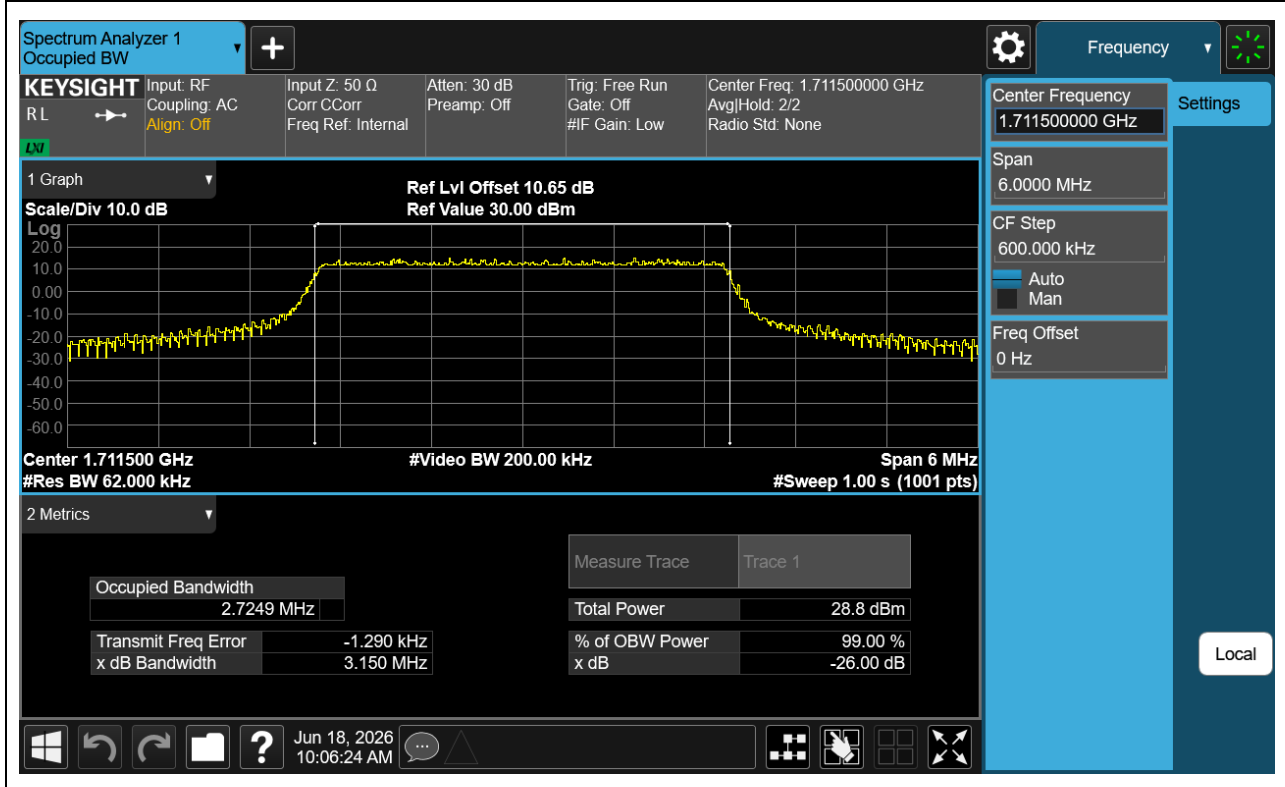


2.7. LTE Occupied Bandwidth_Part22-24-27(Channel:19965, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)(NTNV)



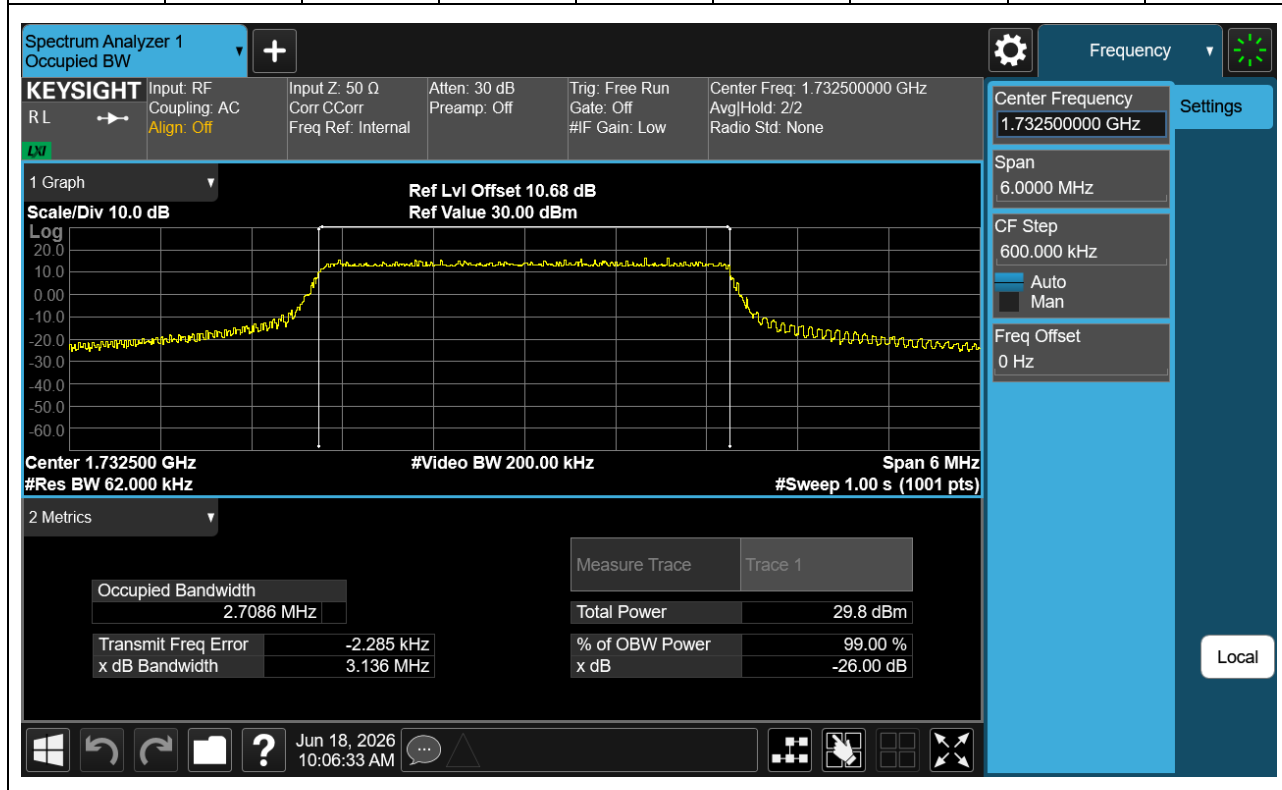
2.8. LTE Occupied Bandwidth_Part22-24-27(Channel:19965, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.06	Peak	2.725	3.15	3	Pass



2.9. LTE Occupied Bandwidth_Part22-24-27(Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.06	Peak	2.709	3.136	3	Pass



2.10. LTE Occupied Bandwidth_Part22-24-27(Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)(NTNV)

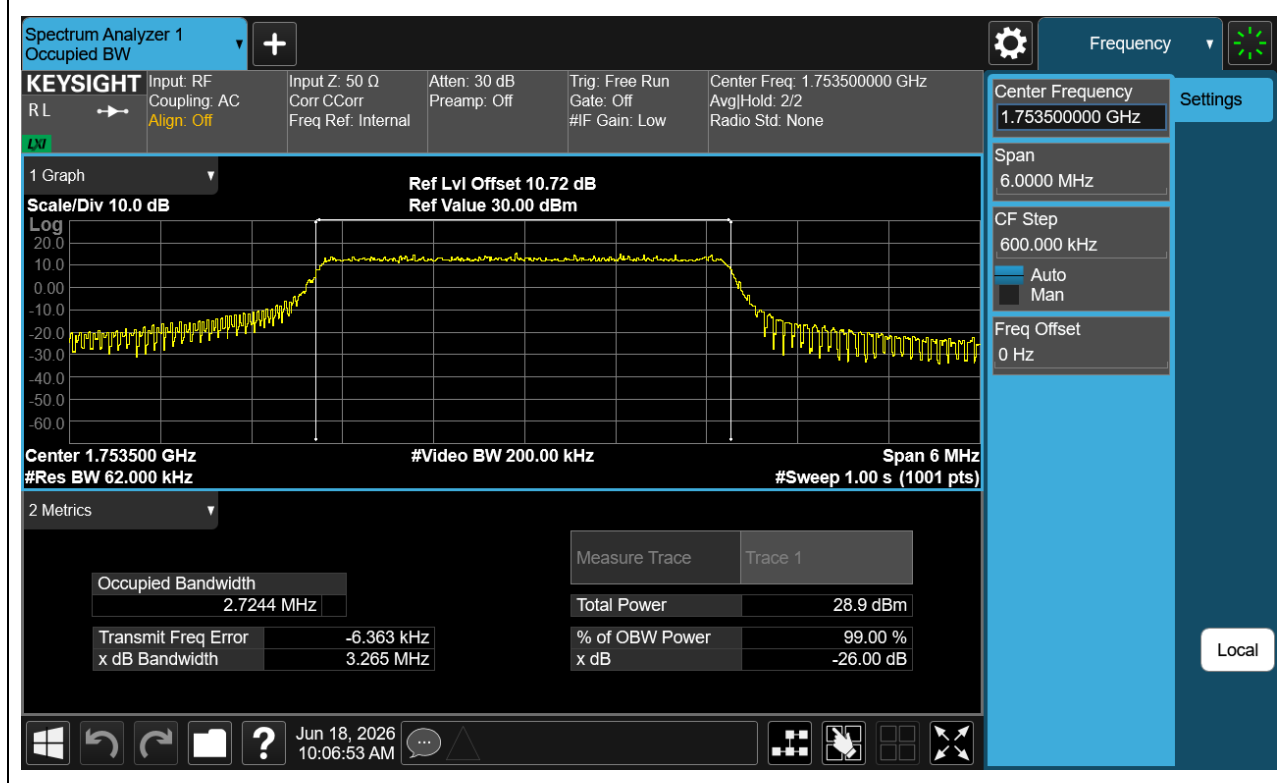


2.11. LTE Occupied Bandwidth_Part22-24-27(Channel:20385, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)(NTNV)



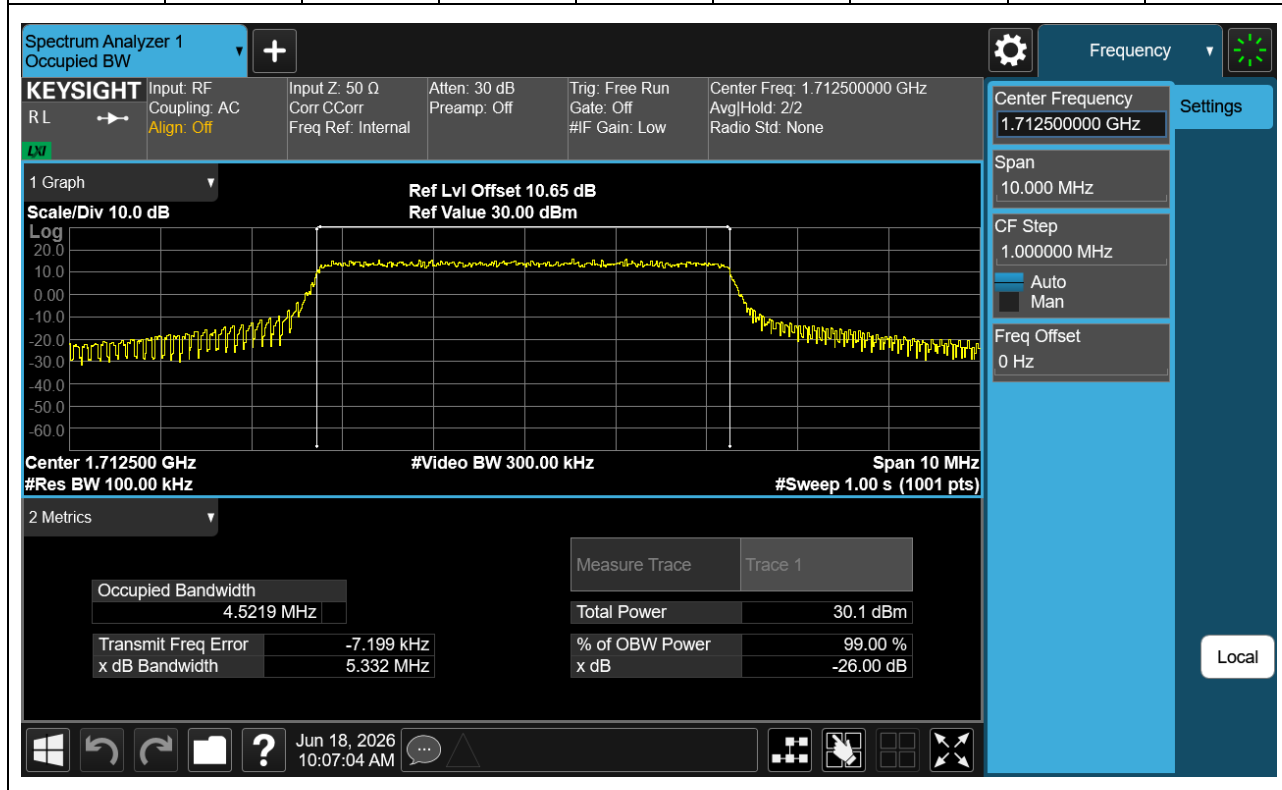
2.12. LTE Occupied Bandwidth_Part22-24-27(Channel:20385, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1753.5	99	26	0.06	Peak	2.724	3.265	3	Pass



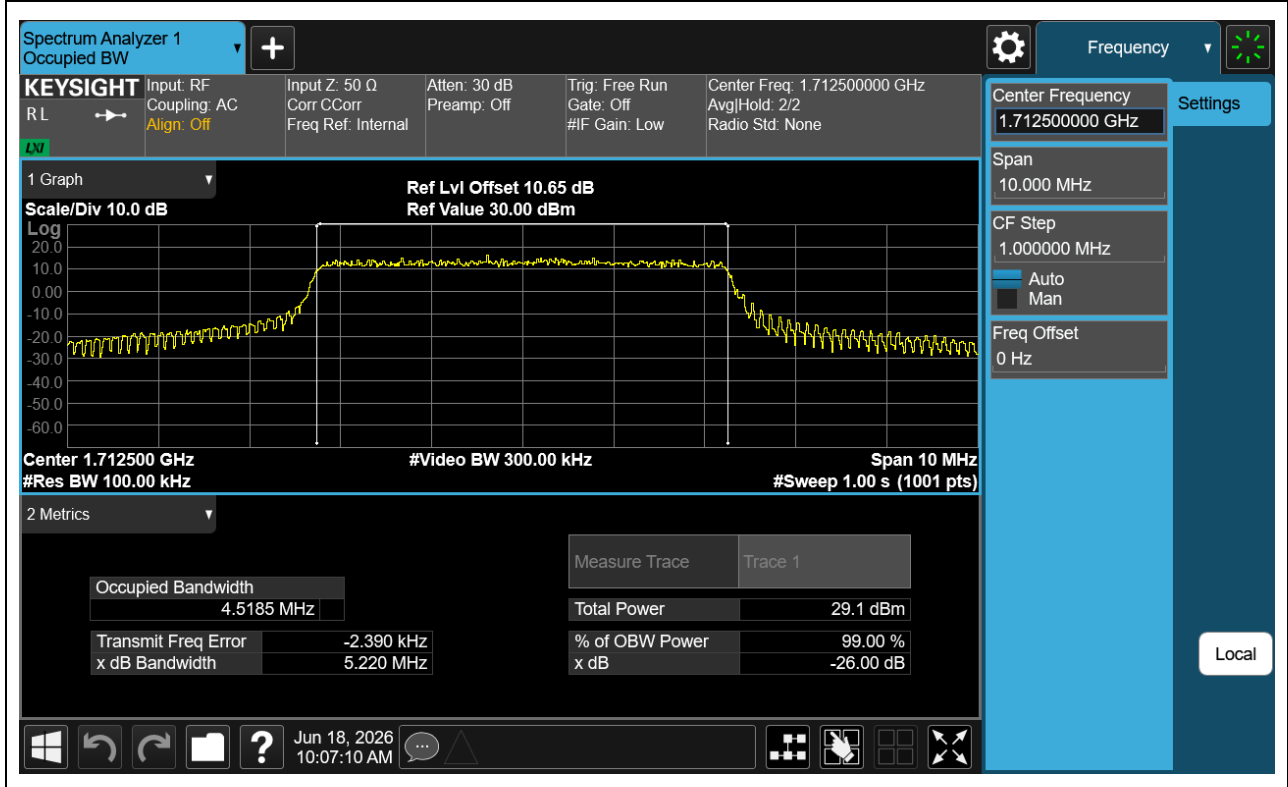
2.13. LTE Occupied Bandwidth_Part22-24-27(Channel:19975, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.522	5.332	5	Pass



2.14. LTE Occupied Bandwidth_Part22-24-27(Channel:19975, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.518	5.22	5	Pass



2.15. LTE Occupied Bandwidth_Part22-24-27(Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)(NTNV)



2.16. LTE Occupied Bandwidth_Part22-24-27(Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)(NTNV)

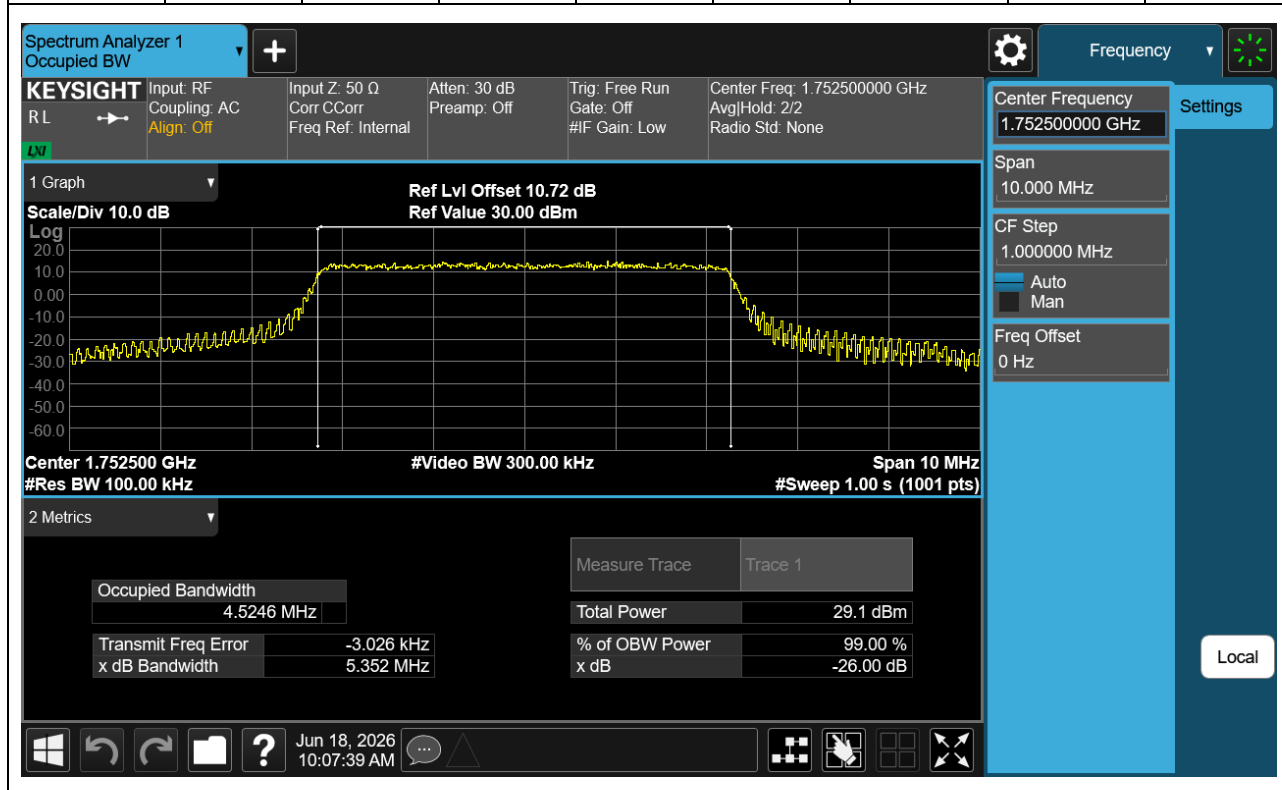


2.17. LTE Occupied Bandwidth_Part22-24-27(Channel:20375, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)(NTNV)



2.18. LTE Occupied Bandwidth_Part22-24-27(Channel:20375, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1752.5	99	26	0.1	Peak	4.525	5.352	5	Pass



2.19. LTE Occupied Bandwidth_Part22-24-27(Channel:20000, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)(NTNV)



2.20. LTE Occupied Bandwidth_Part22-24-27(Channel:20000, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)(NTNV)

