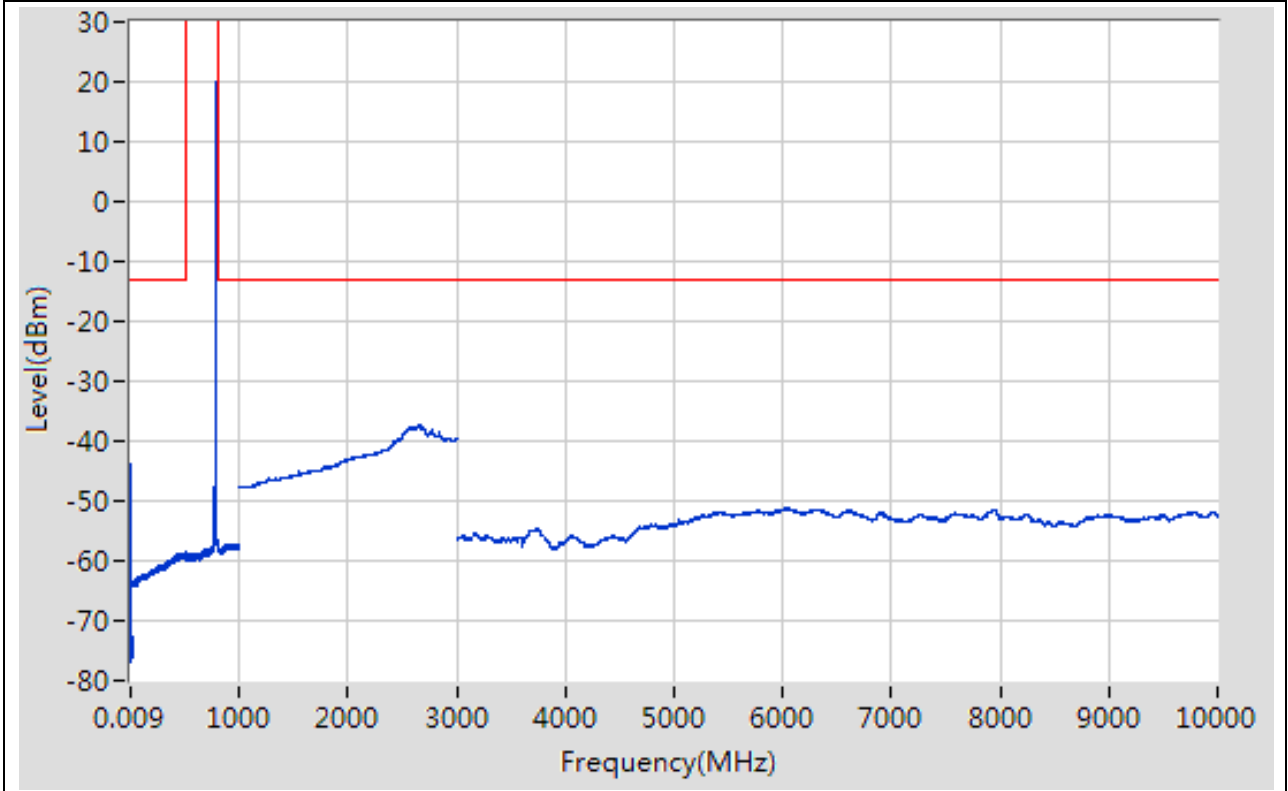


# Annex C. LTE Transmitter Spurious Emissions

# 1. LTE\_Band13

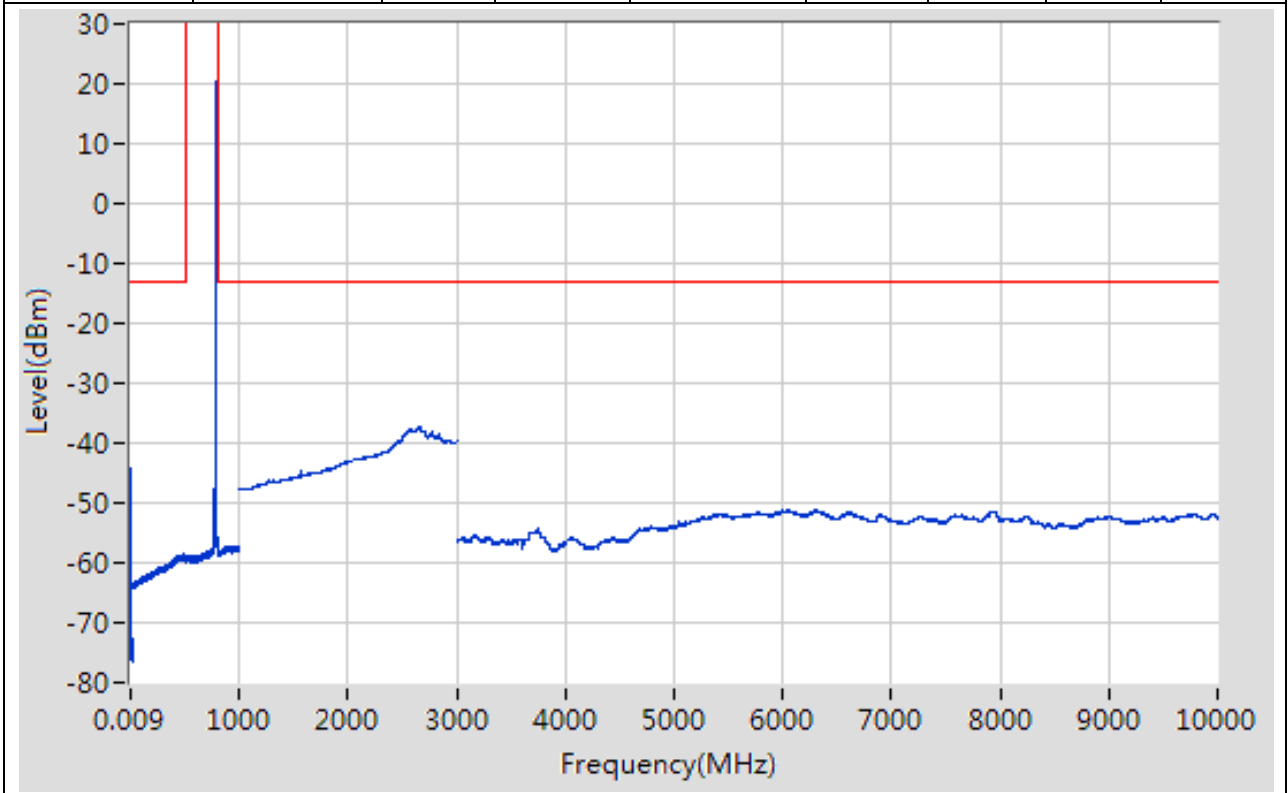
## 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-49.33	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.8	-13	Pass	2985
30	500	0.1	RMS	499.2	-58.43	-13	Pass	4700
500	795	0.1	RMS	777.294	20.02	60	Pass	2950
795	1000	0.1	RMS	999.5	-57.13	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.31	-13	Pass	2000
3000	10000	1	RMS	6030.433	-51.29	-13	Pass	7000



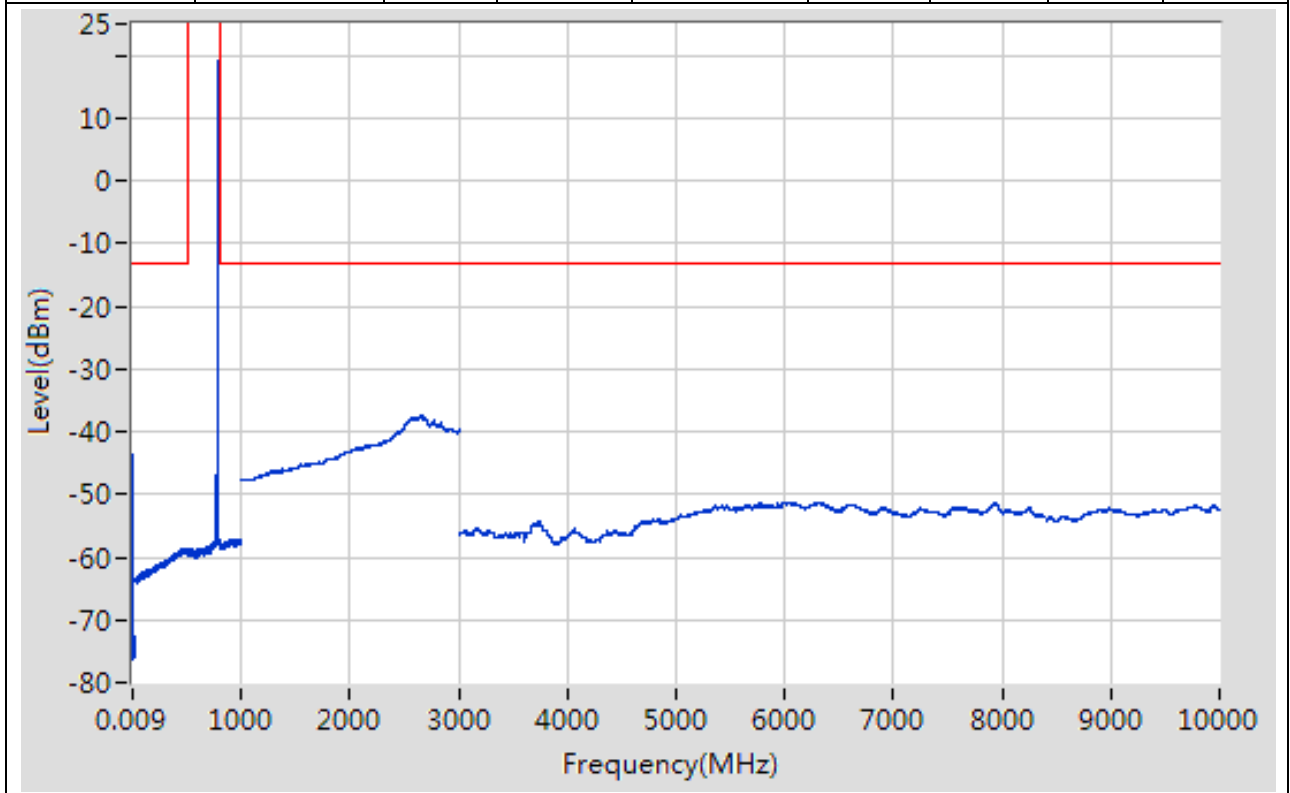
**1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-50.34	-13	Pass	601
0.15	30	0.01	RMS	0.15	-44.13	-13	Pass	2985
30	500	0.1	RMS	496.299	-58.63	-13	Pass	4700
500	795	0.1	RMS	781.695	20.25	60	Pass	2950
795	1000	0.1	RMS	795.1	-56.18	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.35	-13	Pass	2000
3000	10000	1	RMS	6032.433	-51.22	-13	Pass	7000



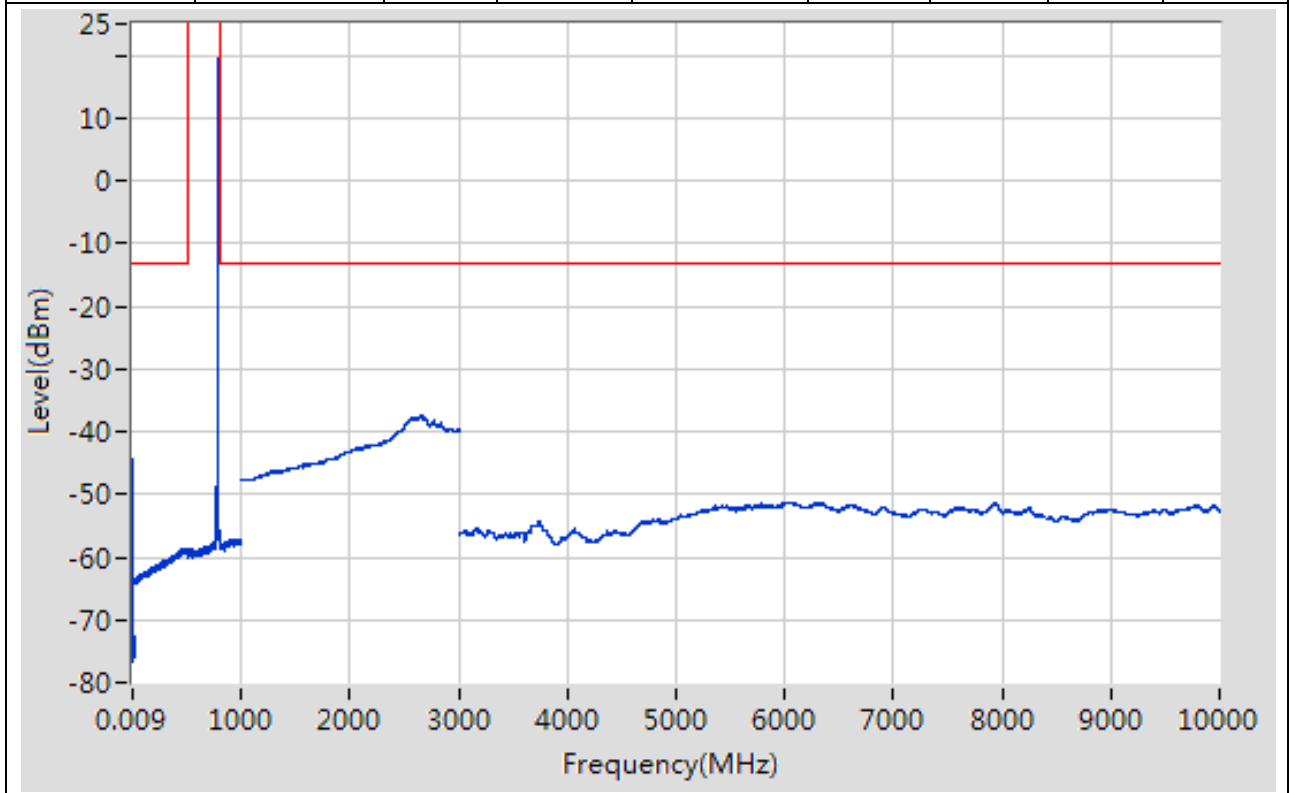
**1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-49.63	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.6	-13	Pass	2985
30	500	0.1	RMS	495.999	-58.67	-13	Pass	4700
500	795	0.1	RMS	777.394	19.15	60	Pass	2950
795	1000	0.1	RMS	998.799	-57.22	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.36	-13	Pass	2000
3000	10000	1	RMS	6304.472	-51.26	-13	Pass	7000



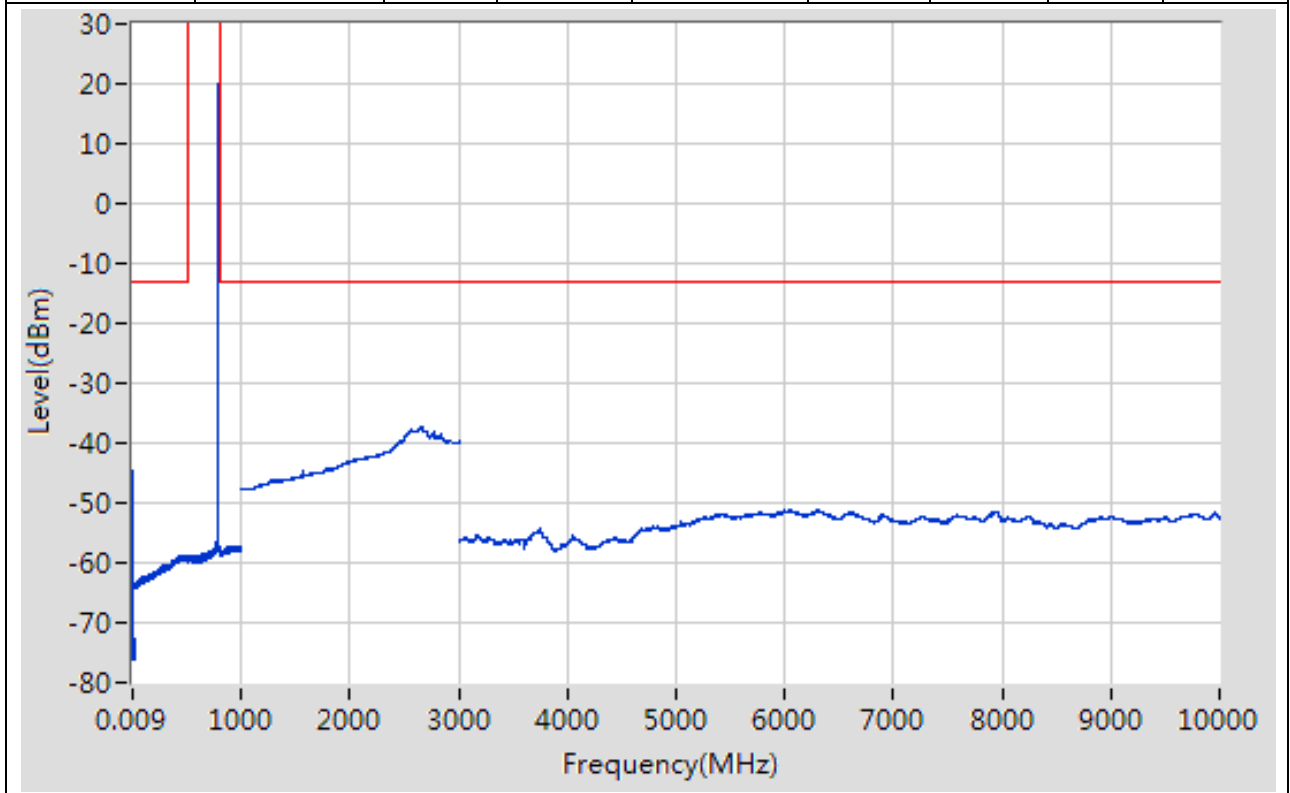
**1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-49.51	-13	Pass	601
0.15	30	0.01	RMS	0.16	-44.32	-13	Pass	2985
30	500	0.1	RMS	496.799	-58.53	-13	Pass	4700
500	795	0.1	RMS	781.695	19.51	60	Pass	2950
795	1000	0.1	RMS	795	-57.1	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.28	-13	Pass	2000
3000	10000	1	RMS	6037.434	-51.31	-13	Pass	7000



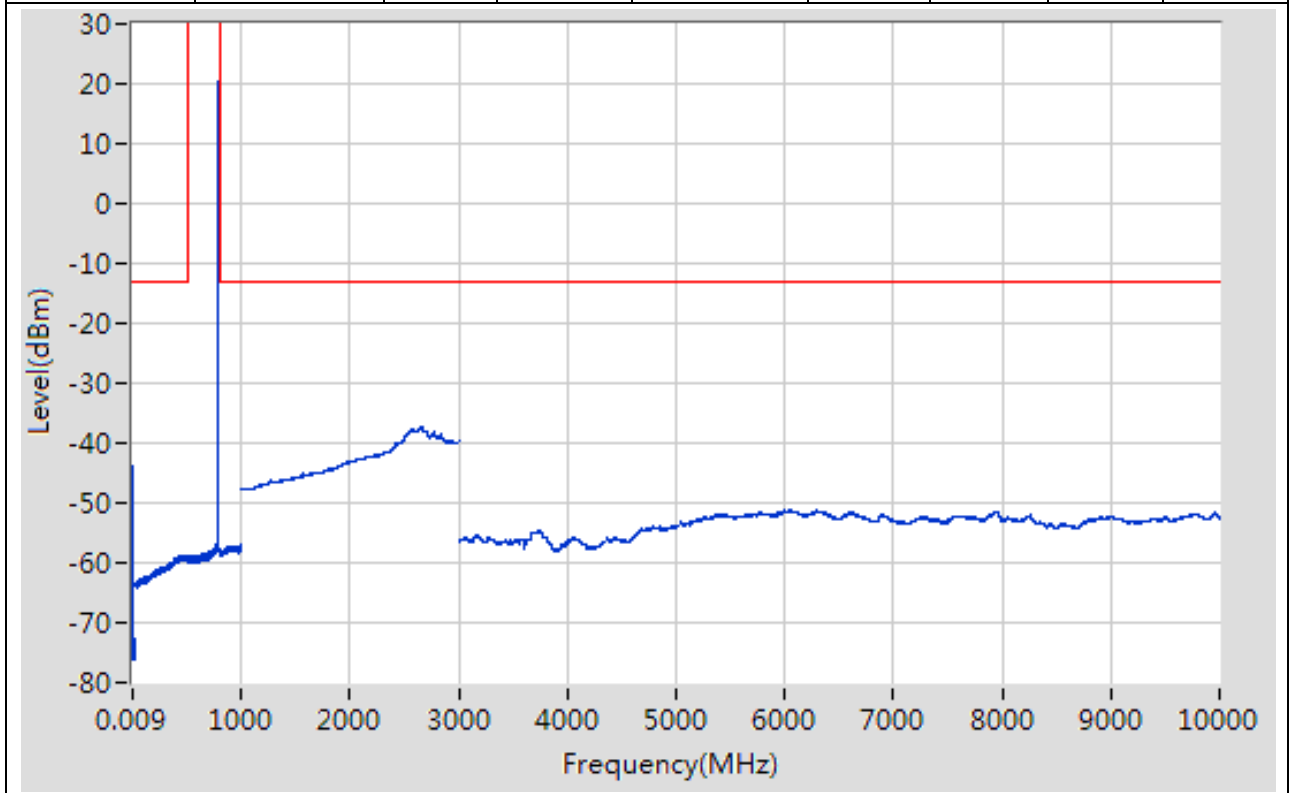
**1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-49.66	-13	Pass	601
0.15	30	0.01	RMS	0.15	-44.66	-13	Pass	2985
30	500	0.1	RMS	484.697	-58.66	-13	Pass	4700
500	795	0.1	RMS	779.795	20.16	60	Pass	2950
795	1000	0.1	RMS	932.767	-57.14	-13	Pass	2050
1000	3000	1	RMS	2660.83	-37.32	-13	Pass	2000
3000	10000	1	RMS	6031.433	-51.26	-13	Pass	7000



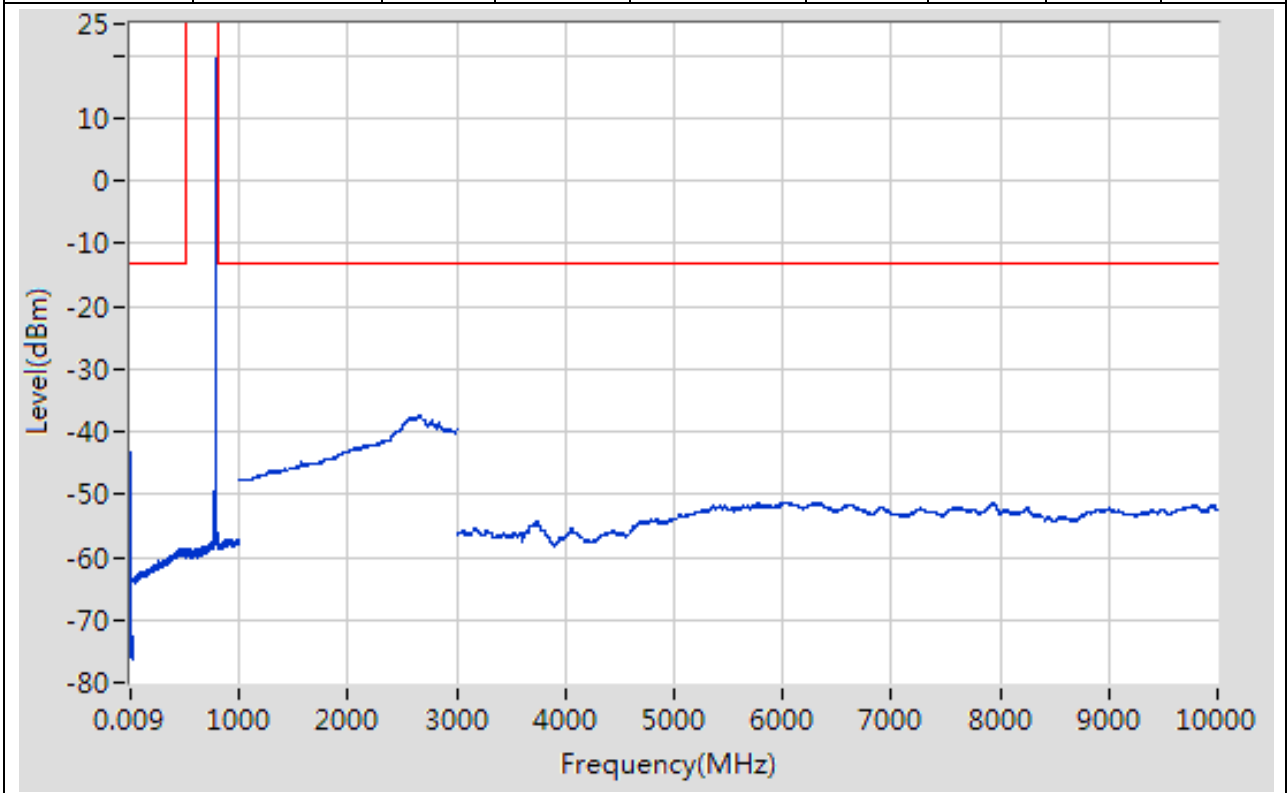
**1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-49.06	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.83	-13	Pass	2985
30	500	0.1	RMS	499.9	-58.73	-13	Pass	4700
500	795	0.1	RMS	784.196	20.34	60	Pass	2950
795	1000	0.1	RMS	997.799	-57.09	-13	Pass	2050
1000	3000	1	RMS	2661.831	-37.32	-13	Pass	2000
3000	10000	1	RMS	6042.435	-51.22	-13	Pass	7000



**1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:7, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

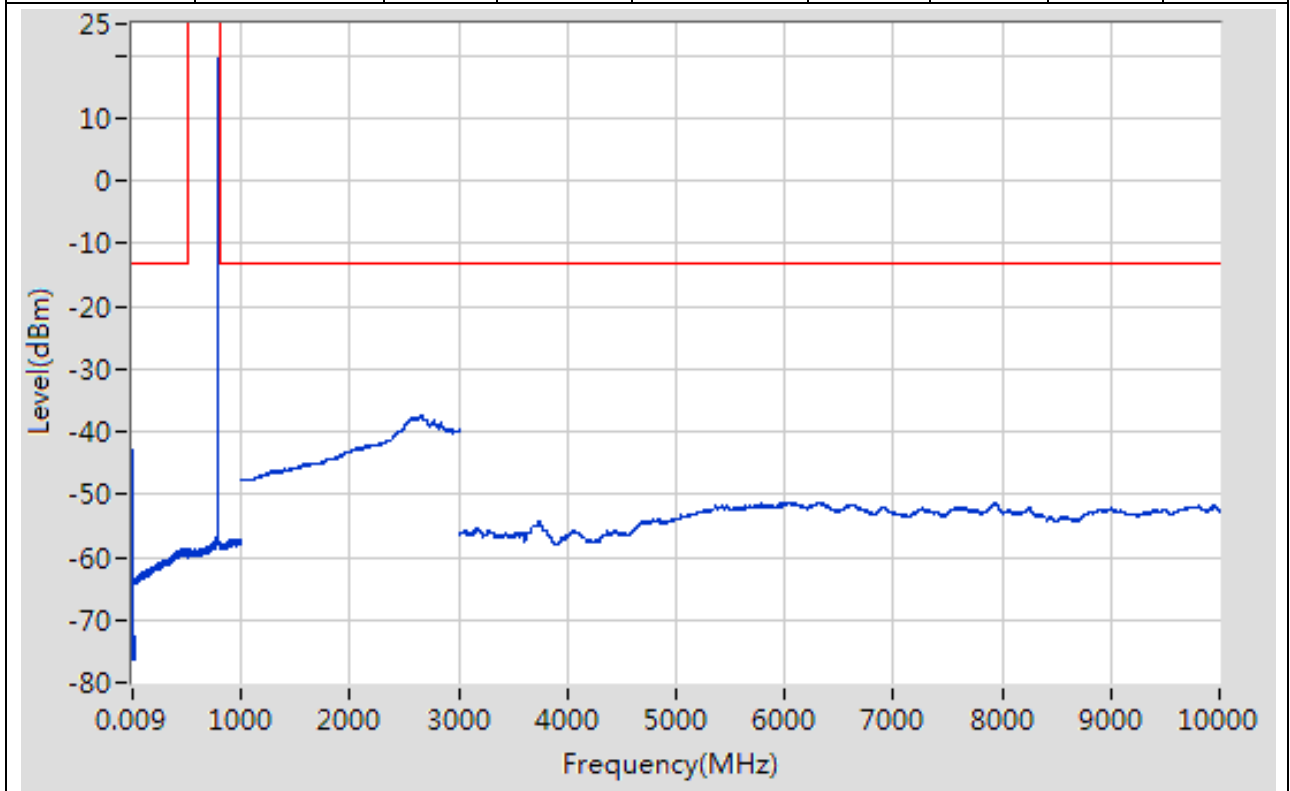
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-49.23	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.4	-13	Pass	2985
30	500	0.1	RMS	494.199	-58.67	-13	Pass	4700
500	795	0.1	RMS	779.795	19.42	60	Pass	2950
795	1000	0.1	RMS	795.6	-56.99	-13	Pass	2050
1000	3000	1	RMS	2660.83	-37.36	-13	Pass	2000
3000	10000	1	RMS	6301.472	-51.29	-13	Pass	7000





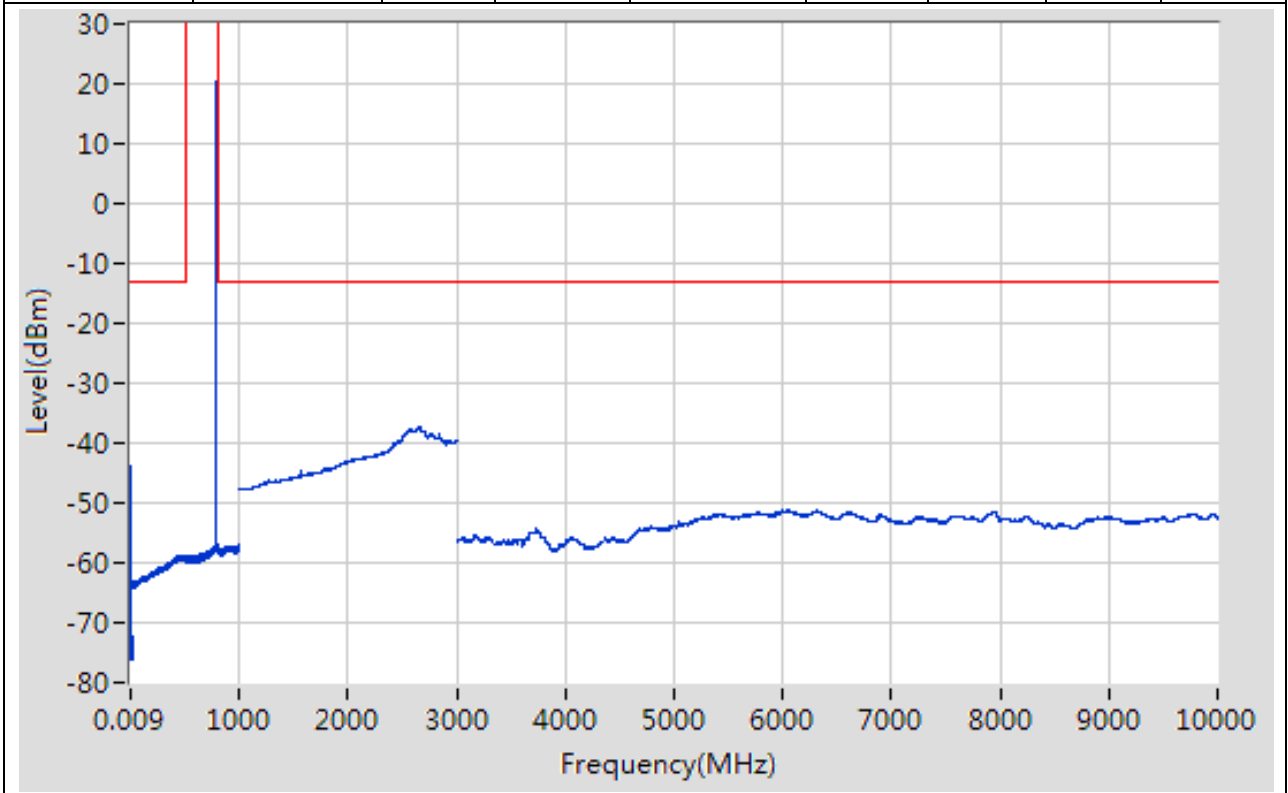
**1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-49.35	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.08	-13	Pass	2985
30	500	0.1	RMS	461.392	-58.63	-13	Pass	4700
500	795	0.1	RMS	784.196	19.53	60	Pass	2950
795	1000	0.1	RMS	964.383	-57.15	-13	Pass	2050
1000	3000	1	RMS	2660.83	-37.34	-13	Pass	2000
3000	10000	1	RMS	5990.427	-51.3	-13	Pass	7000



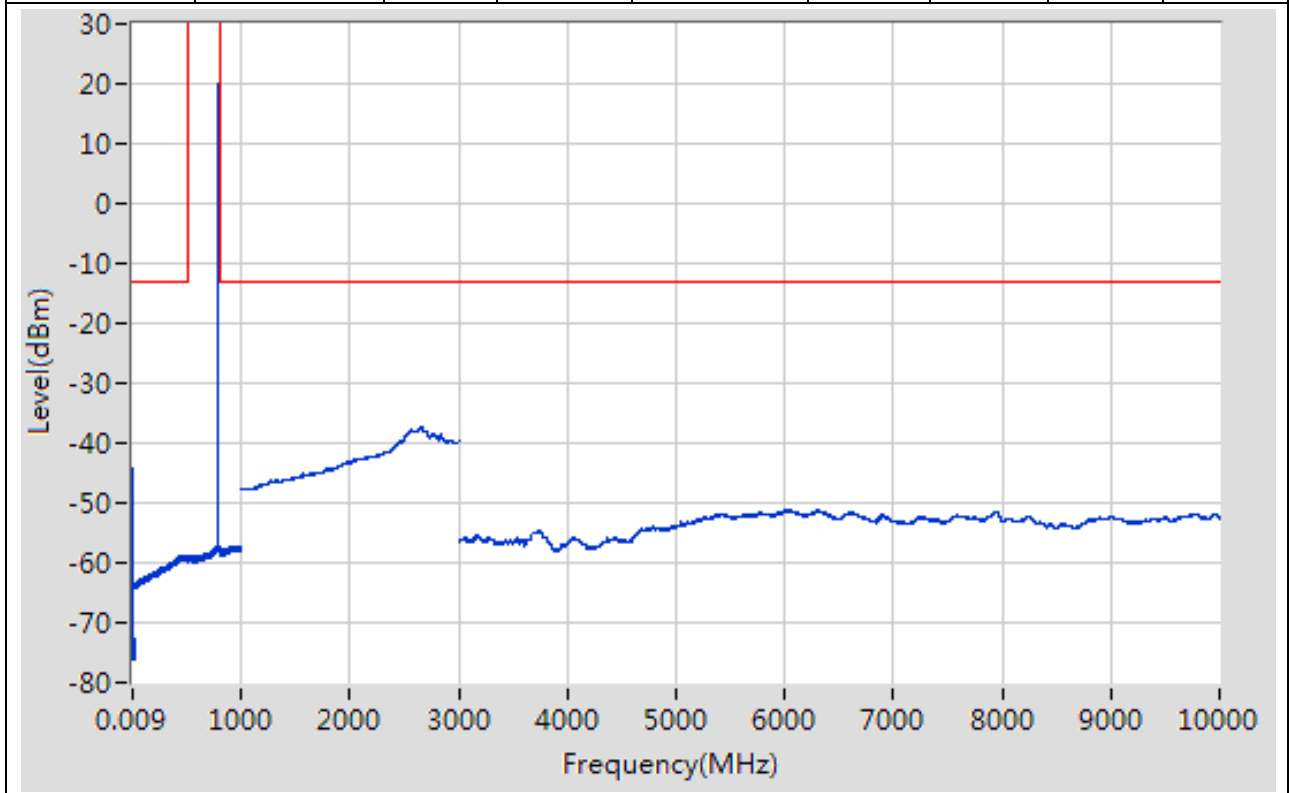
**1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-49.68	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.74	-13	Pass	2985
30	500	0.1	RMS	497.199	-58.66	-13	Pass	4700
500	795	0.1	RMS	782.296	20.39	60	Pass	2950
795	1000	0.1	RMS	1000	-57.11	-13	Pass	2050
1000	3000	1	RMS	2658.829	-37.32	-13	Pass	2000
3000	10000	1	RMS	6049.436	-51.26	-13	Pass	7000



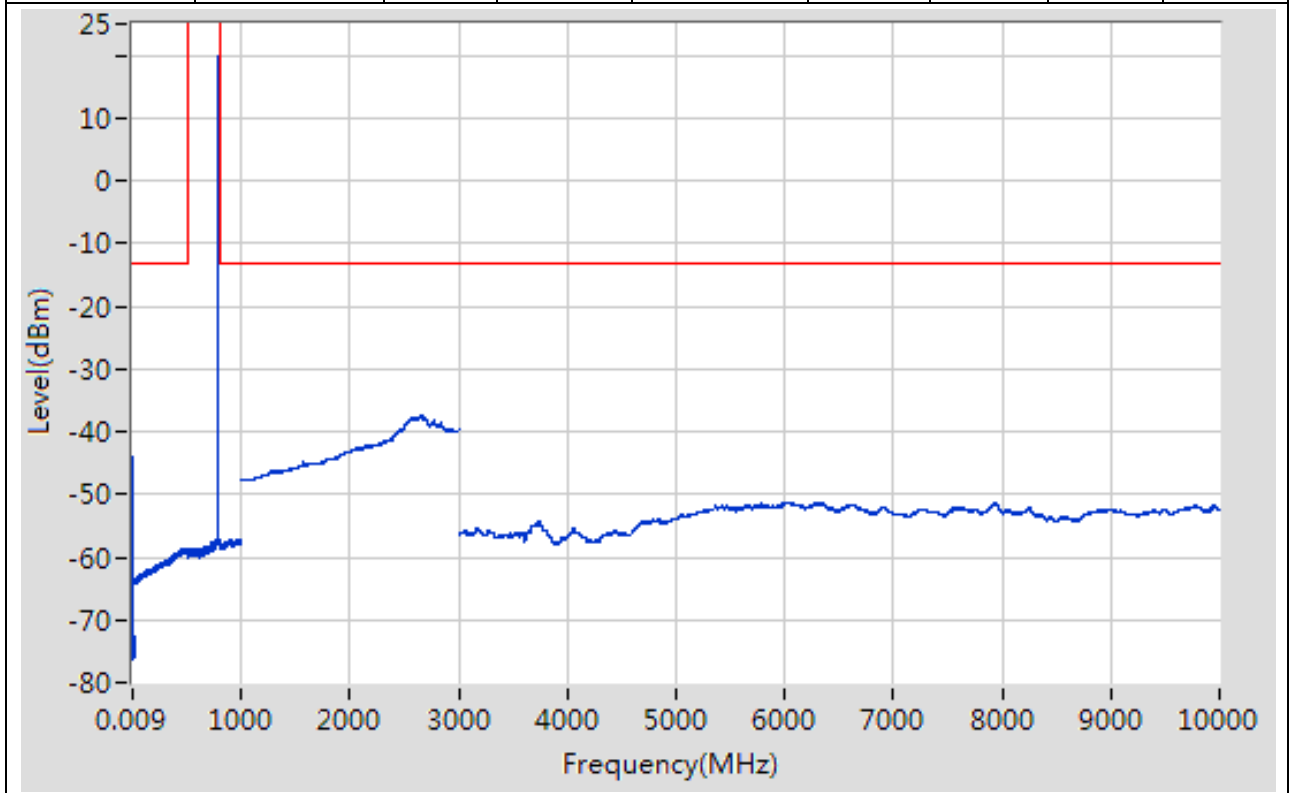
**1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-49.29	-13	Pass	601
0.15	30	0.01	RMS	0.16	-44.3	-13	Pass	2985
30	500	0.1	RMS	498.5	-58.66	-13	Pass	4700
500	795	0.1	RMS	786.697	20.15	60	Pass	2950
795	1000	0.1	RMS	994.597	-57.21	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.31	-13	Pass	2000
3000	10000	1	RMS	5990.427	-51.29	-13	Pass	7000



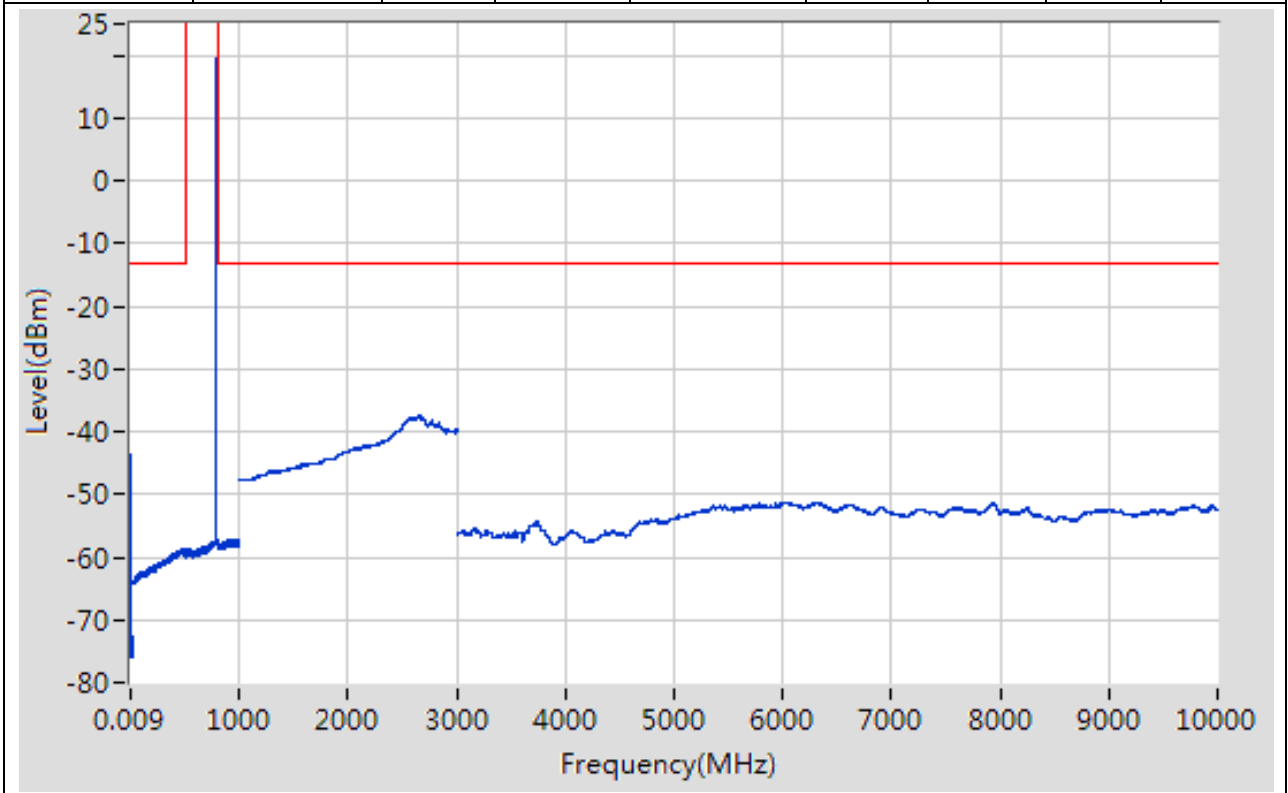
**1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-49.54	-13	Pass	601
0.15	30	0.01	RMS	0.15	-44.02	-13	Pass	2985
30	500	0.1	RMS	498.6	-58.68	-13	Pass	4700
500	795	0.1	RMS	782.296	19.91	60	Pass	2950
795	1000	0.1	RMS	893.048	-57.25	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.3	-13	Pass	2000
3000	10000	1	RMS	6042.435	-51.3	-13	Pass	7000



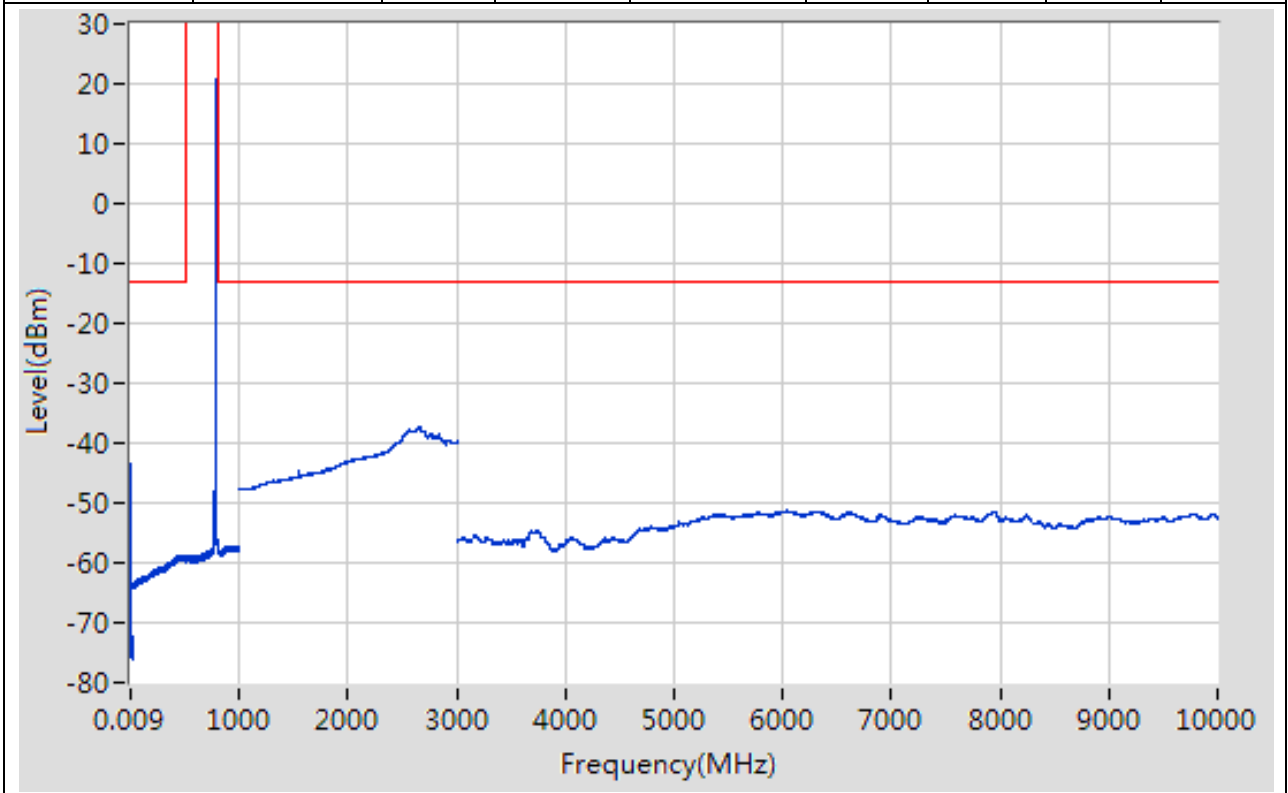
**1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-48.66	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.51	-13	Pass	2985
30	500	0.1	RMS	493.999	-58.61	-13	Pass	4700
500	795	0.1	RMS	786.697	19.54	60	Pass	2950
795	1000	0.1	RMS	995.898	-57.25	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.3	-13	Pass	2000
3000	10000	1	RMS	6040.434	-51.29	-13	Pass	7000



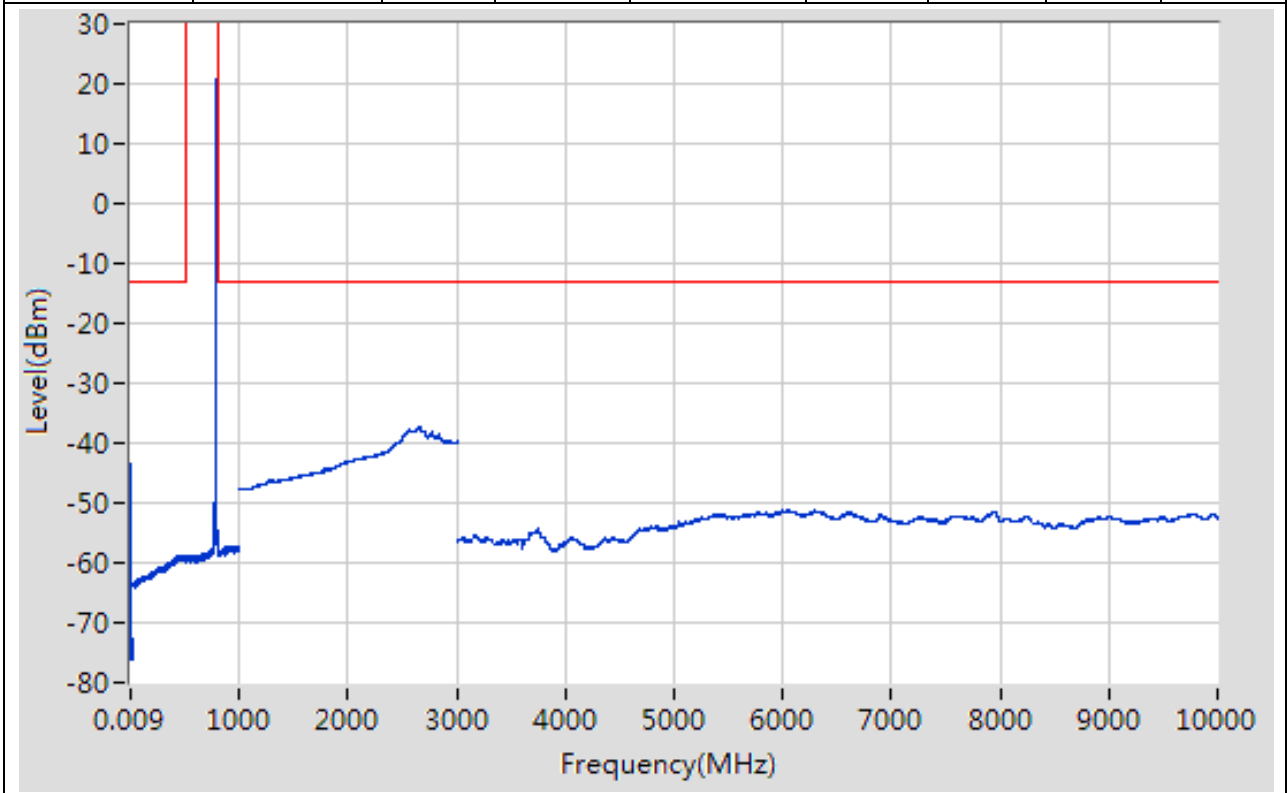
**1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-49.4	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.49	-13	Pass	2985
30	500	0.1	RMS	499.6	-58.69	-13	Pass	4700
500	795	0.1	RMS	777.594	20.84	60	Pass	2950
795	1000	0.1	RMS	795.3	-56.28	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.34	-13	Pass	2000
3000	10000	1	RMS	6044.435	-51.33	-13	Pass	7000



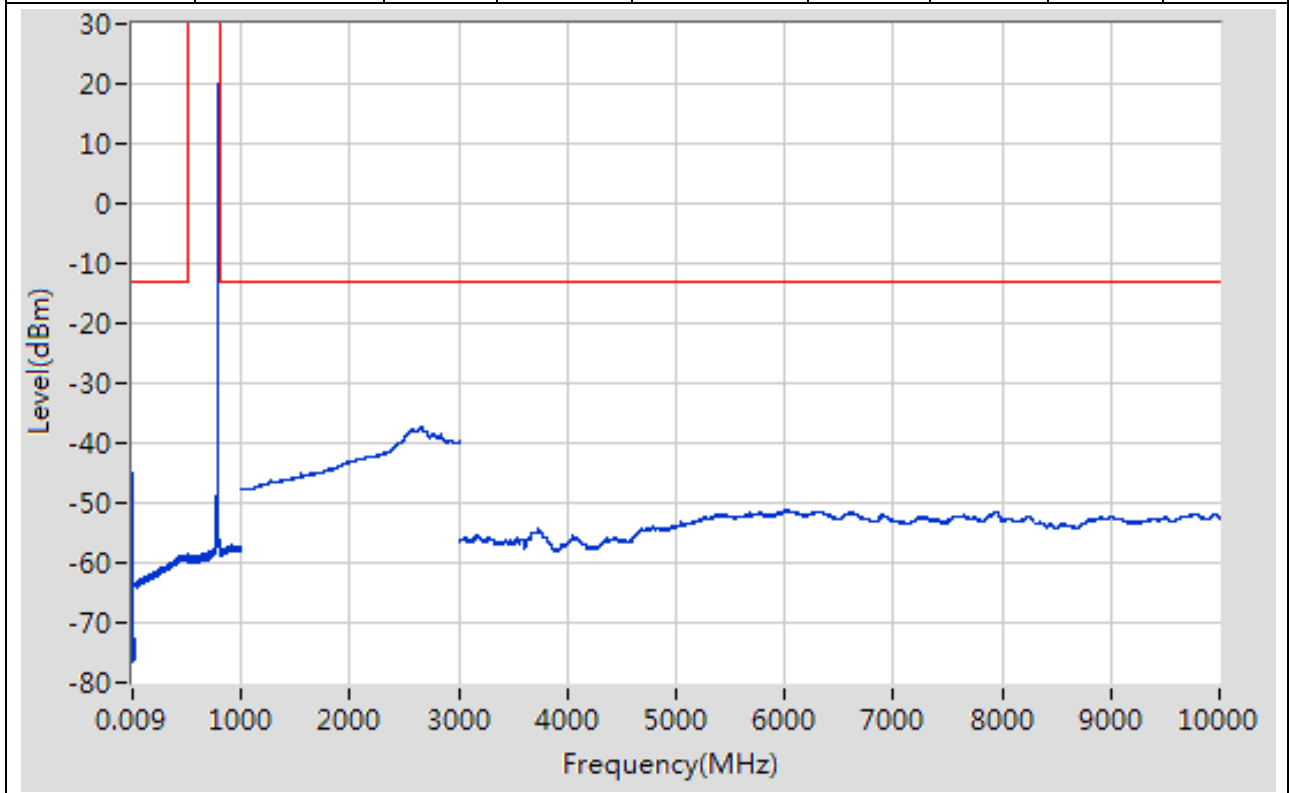
**1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-49.12	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.29	-13	Pass	2985
30	500	0.1	RMS	499.2	-58.66	-13	Pass	4700
500	795	0.1	RMS	786.397	20.9	60	Pass	2950
795	1000	0.1	RMS	795.4	-55.13	-13	Pass	2050
1000	3000	1	RMS	2660.83	-37.35	-13	Pass	2000
3000	10000	1	RMS	6040.434	-51.28	-13	Pass	7000



**1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:23230, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**

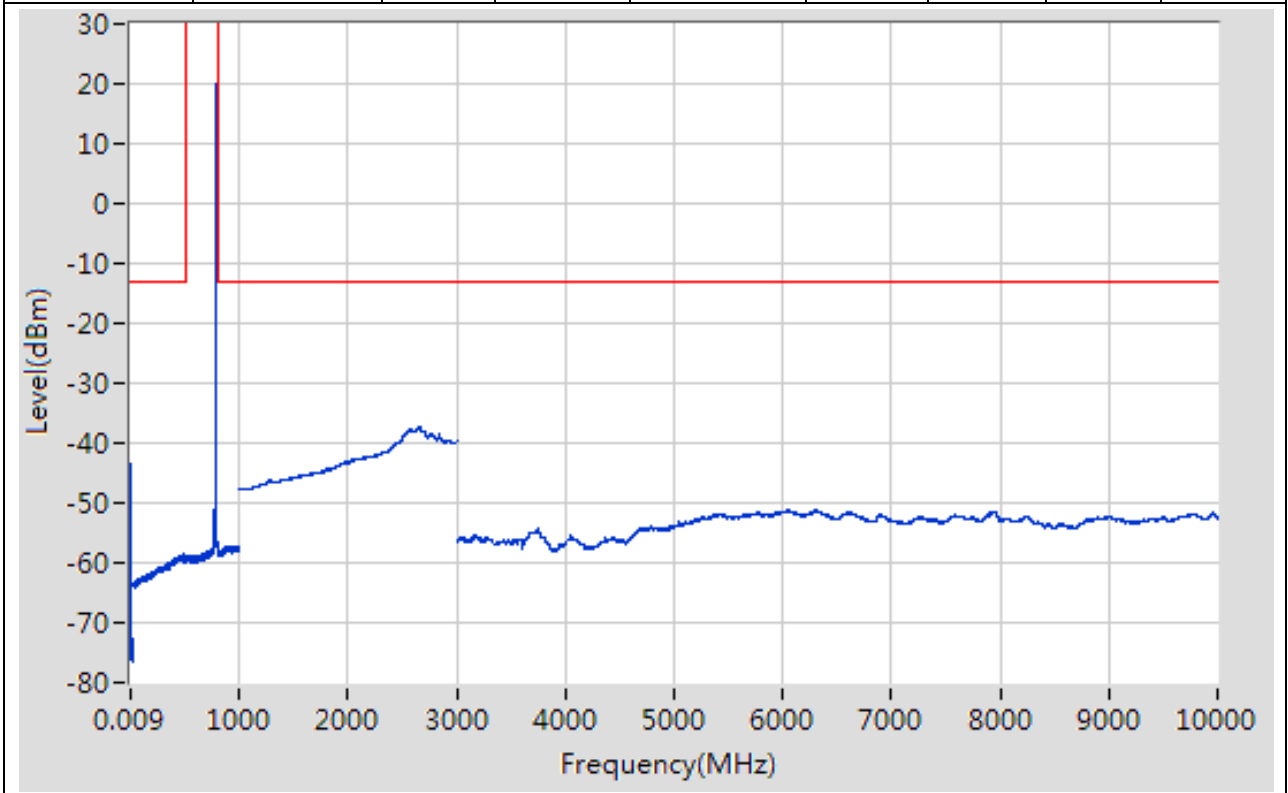
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-49.67	-13	Pass	601
0.15	30	0.01	RMS	0.15	-45.05	-13	Pass	2985
30	500	0.1	RMS	498.7	-58.64	-13	Pass	4700
500	795	0.1	RMS	777.594	20.15	60	Pass	2950
795	1000	0.1	RMS	795.2	-56.23	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.31	-13	Pass	2000
3000	10000	1	RMS	6047.435	-51.32	-13	Pass	7000





**1.16. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:23230, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-50.11	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.4	-13	Pass	2985
30	500	0.1	RMS	492.898	-58.59	-13	Pass	4700
500	795	0.1	RMS	786.397	20.05	60	Pass	2950
795	1000	0.1	RMS	795.3	-56.75	-13	Pass	2050
1000	3000	1	RMS	2658.829	-37.35	-13	Pass	2000
3000	10000	1	RMS	6302.472	-51.22	-13	Pass	7000



END