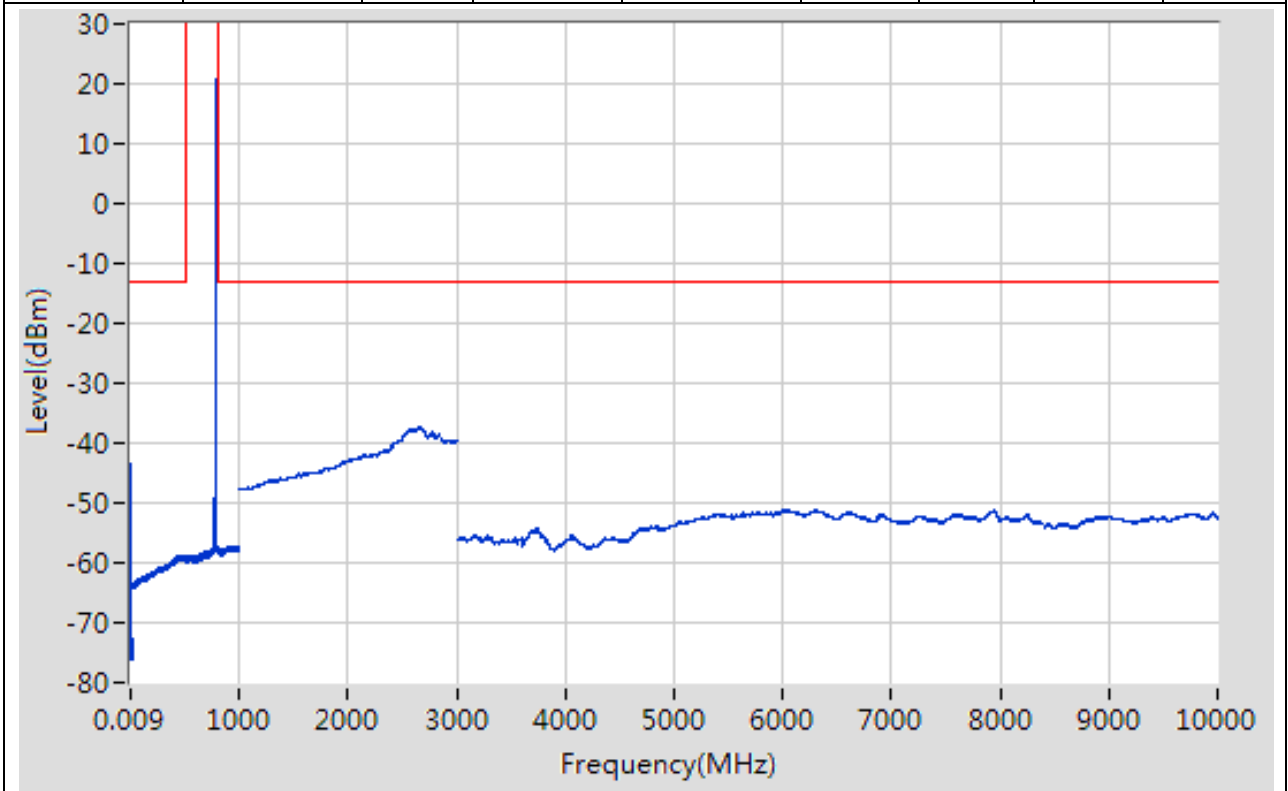


# Annex C. LTE Transmitter Spurious Emissions

# 1. LTE\_Band13

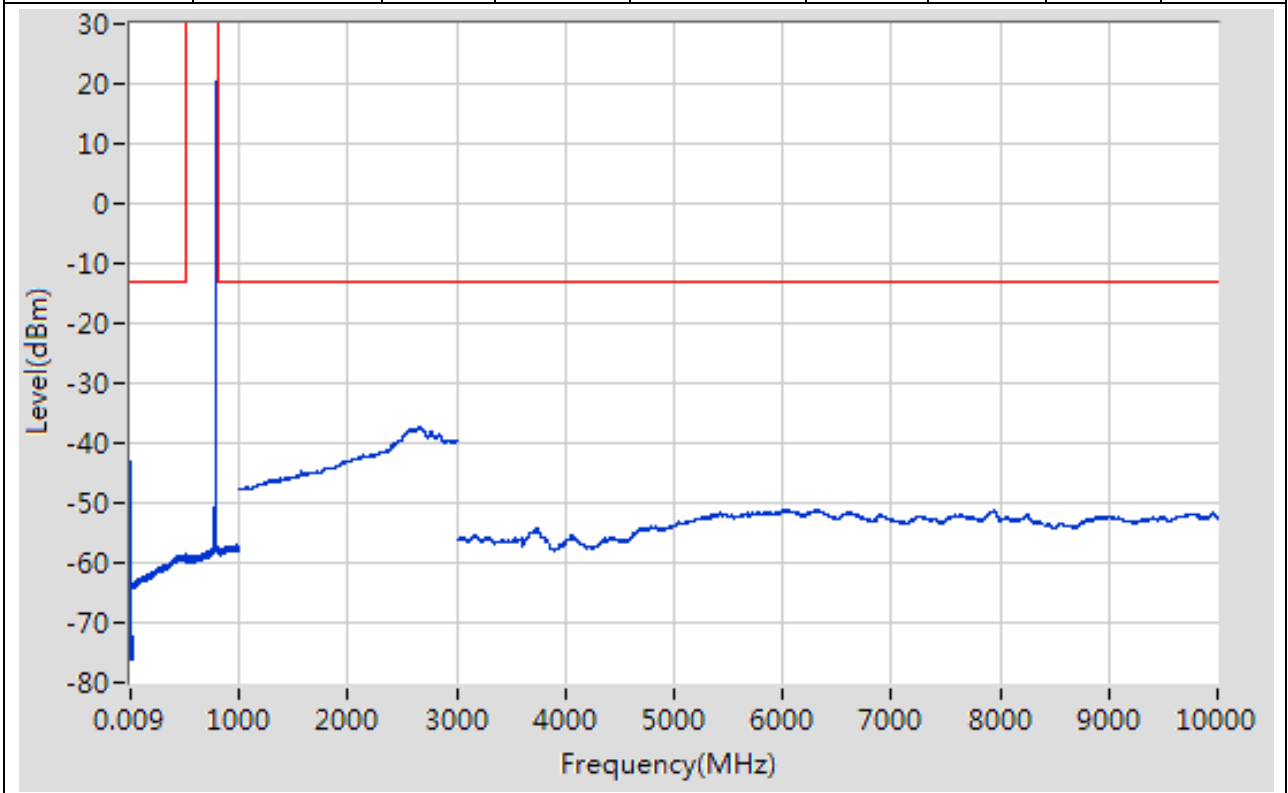
## 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.009	-50.17	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.63	-13	Pass	2985
30	500	0.1	RMS	493.899	-58.69	-13	Pass	4700
500	795	0.1	RMS	777.294	20.65	60	Pass	2950
795	1000	0.1	RMS	928.265	-57.18	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.16	-13	Pass	2000
3000	10000	1	RMS	6040.434	-51.2	-13	Pass	7000



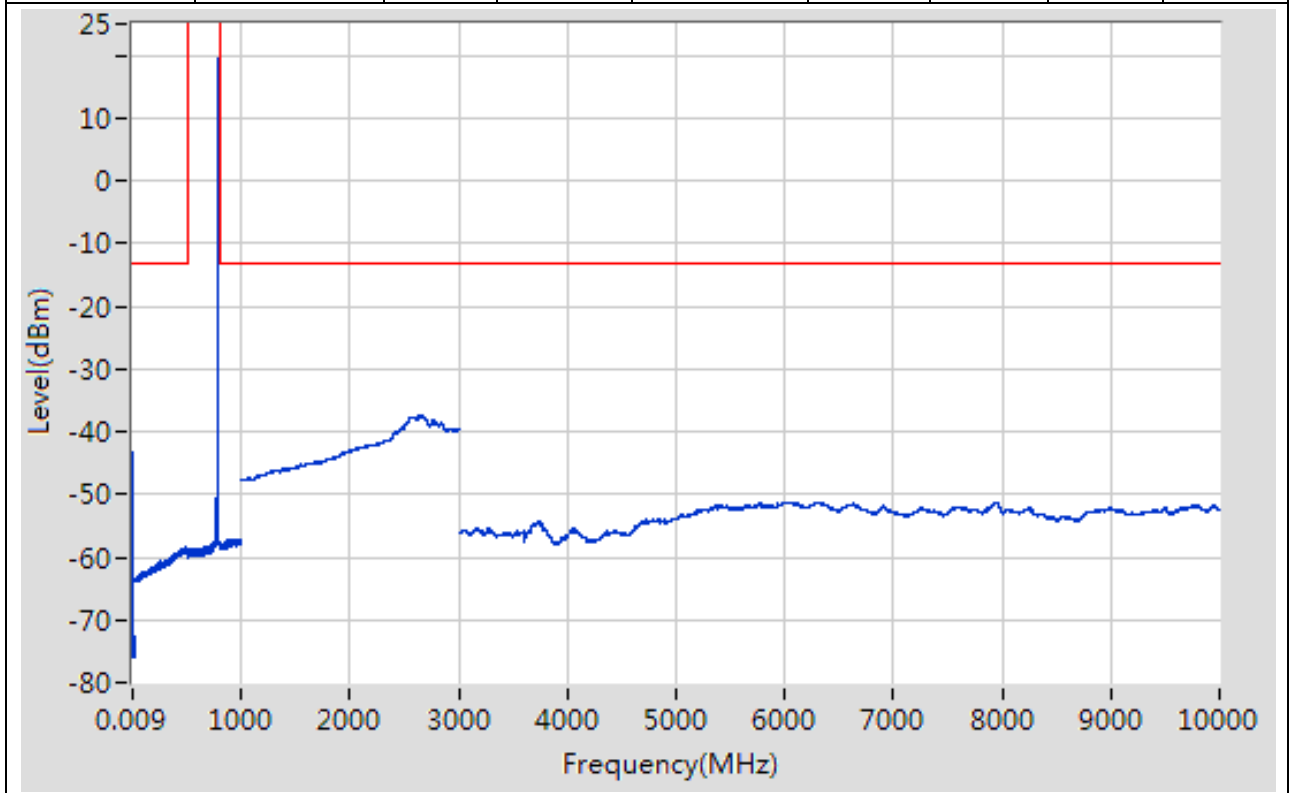
**1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-49.52	-13	Pass	601
0.15	30	0.01	RMS	0.15	-42.89	-13	Pass	2985
30	500	0.1	RMS	498.1	-58.47	-13	Pass	4700
500	795	0.1	RMS	781.695	20.57	60	Pass	2950
795	1000	0.1	RMS	972.787	-57.01	-13	Pass	2050
1000	3000	1	RMS	2660.83	-37.21	-13	Pass	2000
3000	10000	1	RMS	5993.428	-51.22	-13	Pass	7000



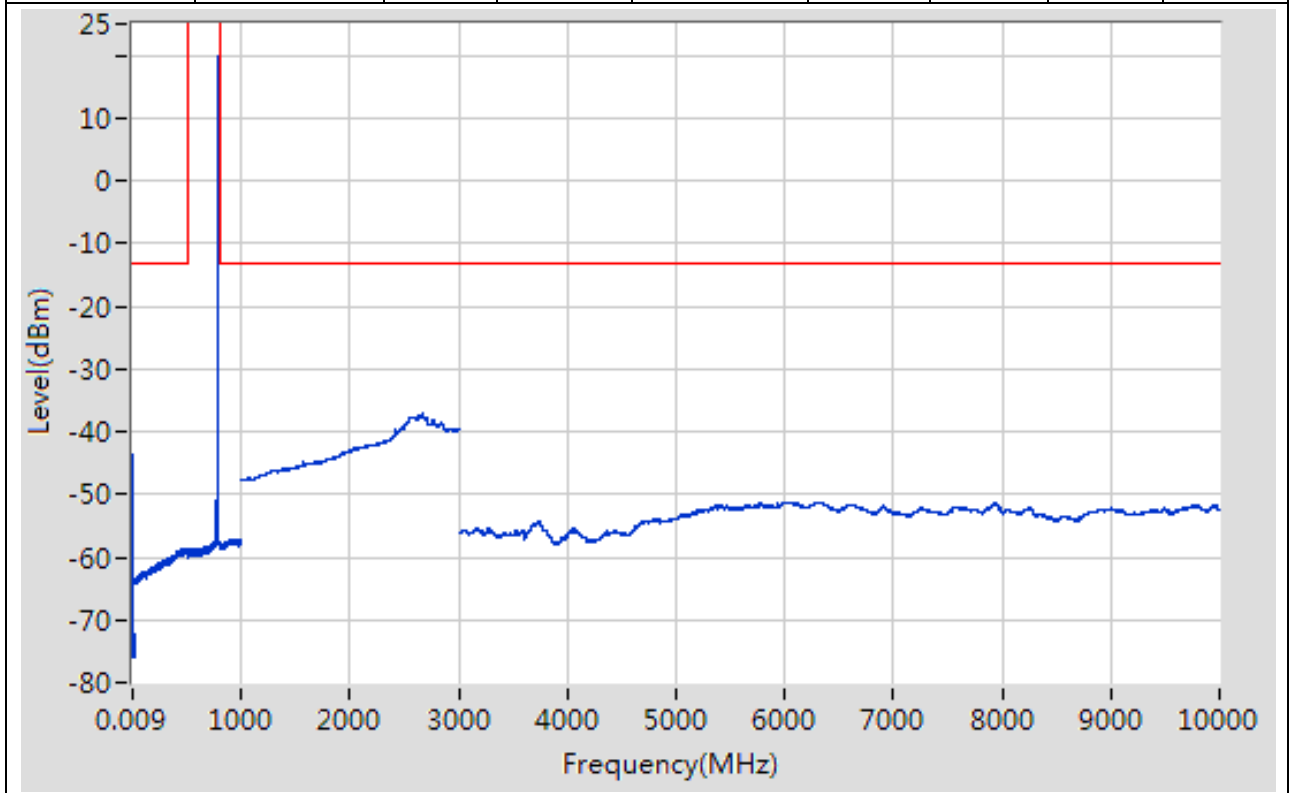
**1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-49.14	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.27	-13	Pass	2985
30	500	0.1	RMS	496.499	-58.52	-13	Pass	4700
500	795	0.1	RMS	777.294	19.39	60	Pass	2950
795	1000	0.1	RMS	954.278	-57.14	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.26	-13	Pass	2000
3000	10000	1	RMS	6048.435	-51.21	-13	Pass	7000



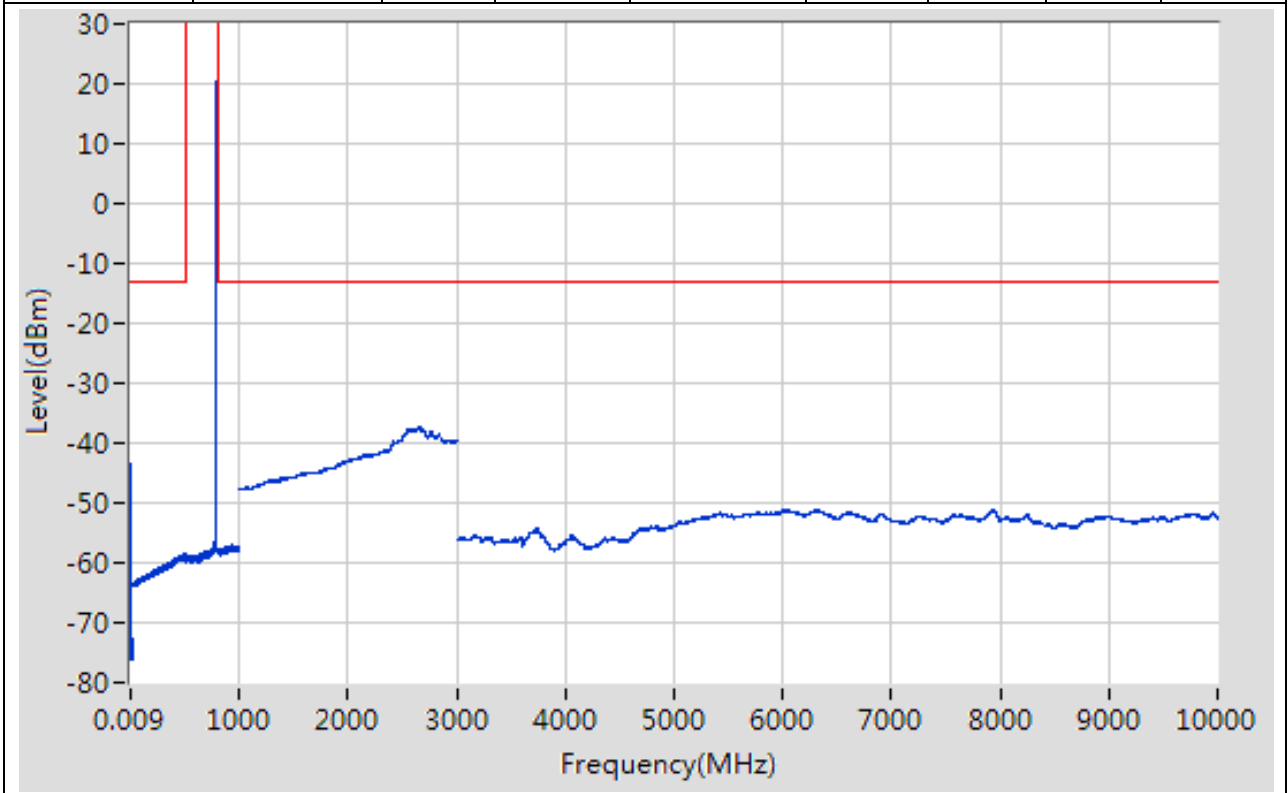
**1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	0.009	-49.75	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.48	-13	Pass	2985
30	500	0.1	RMS	498.4	-58.63	-13	Pass	4700
500	795	0.1	RMS	781.695	19.86	60	Pass	2950
795	1000	0.1	RMS	891.247	-57.19	-13	Pass	2050
1000	3000	1	RMS	2660.83	-37.21	-13	Pass	2000
3000	10000	1	RMS	6048.435	-51.19	-13	Pass	7000



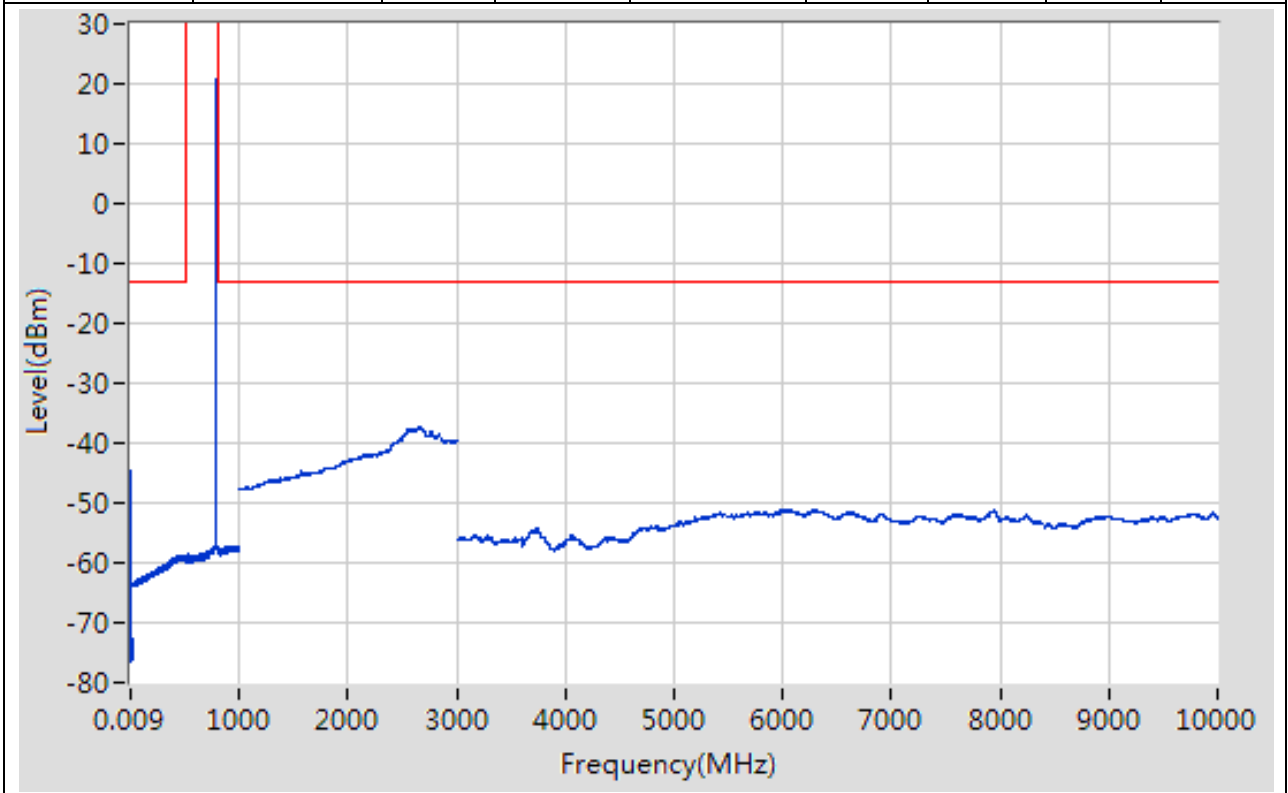
**1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	0.009	-48.78	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.37	-13	Pass	2985
30	500	0.1	RMS	498.9	-58.55	-13	Pass	4700
500	795	0.1	RMS	779.795	20.53	60	Pass	2950
795	1000	0.1	RMS	928.565	-57.01	-13	Pass	2050
1000	3000	1	RMS	2658.829	-37.19	-13	Pass	2000
3000	10000	1	RMS	6047.435	-51.17	-13	Pass	7000



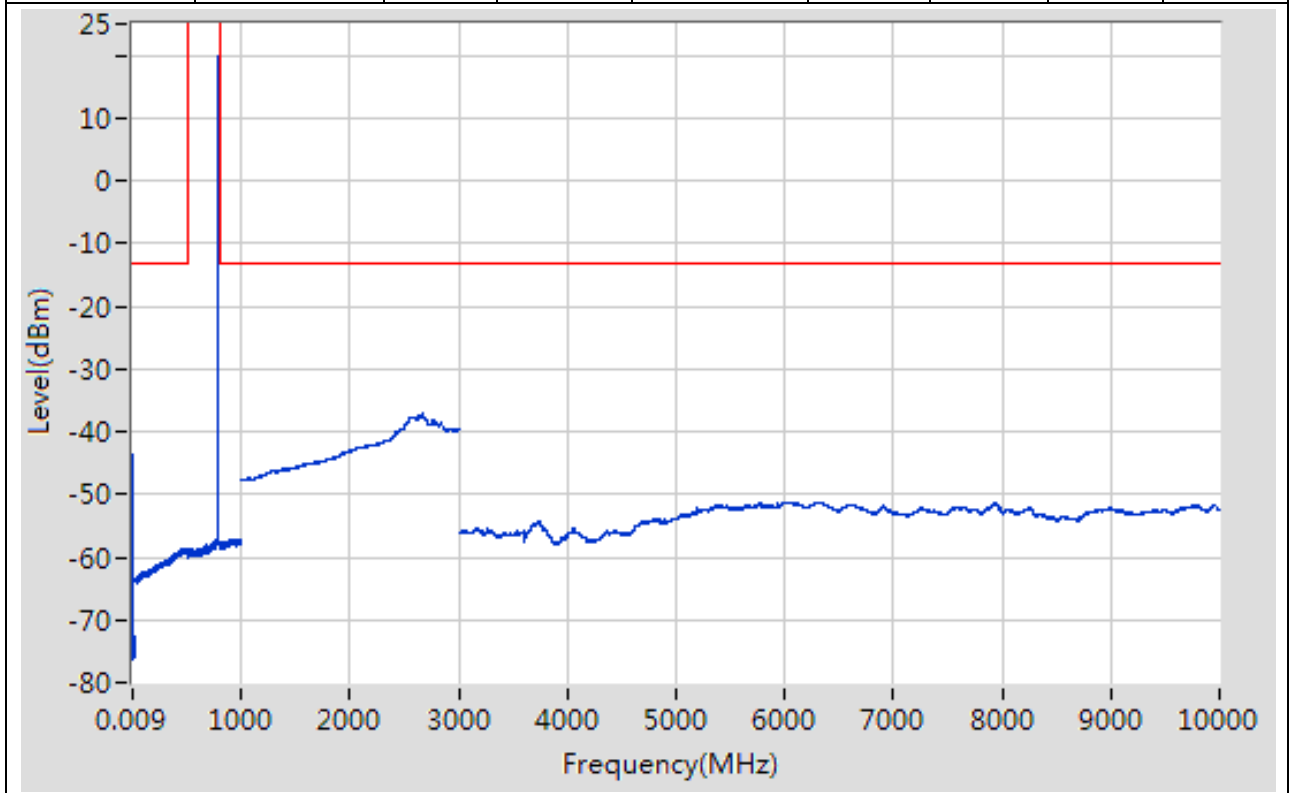
**1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.01	-49.19	-13	Pass	601
0.15	30	0.01	RMS	0.15	-44.75	-13	Pass	2985
30	500	0.1	RMS	462.692	-58.68	-13	Pass	4700
500	795	0.1	RMS	784.196	20.83	60	Pass	2950
795	1000	0.1	RMS	911.257	-57.15	-13	Pass	2050
1000	3000	1	RMS	2661.831	-37.22	-13	Pass	2000
3000	10000	1	RMS	6049.436	-51.2	-13	Pass	7000



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

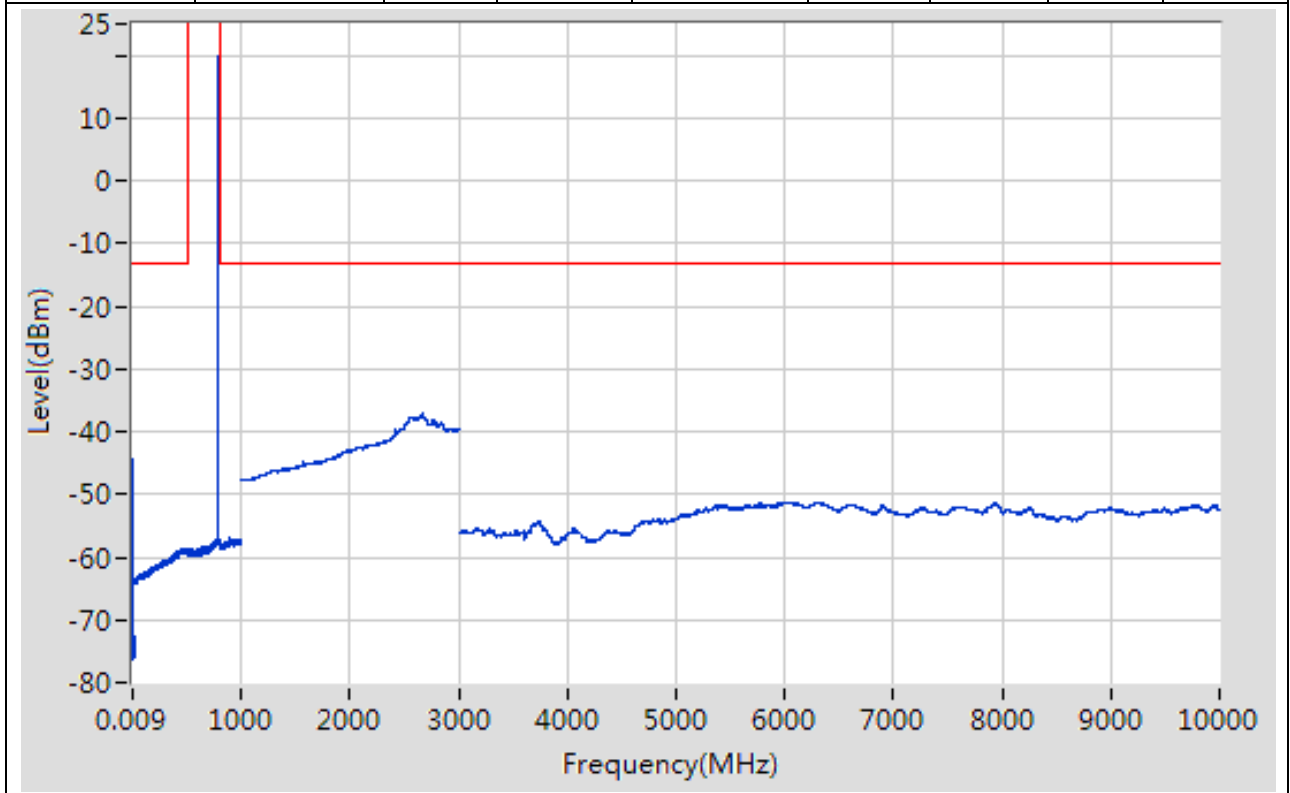
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-49.48	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.47	-13	Pass	2985
30	500	0.1	RMS	492.298	-58.59	-13	Pass	4700
500	795	0.1	RMS	779.795	19.8	60	Pass	2950
795	1000	0.1	RMS	969.585	-57.14	-13	Pass	2050
1000	3000	1	RMS	2660.83	-37.21	-13	Pass	2000
3000	10000	1	RMS	6043.435	-51.19	-13	Pass	7000





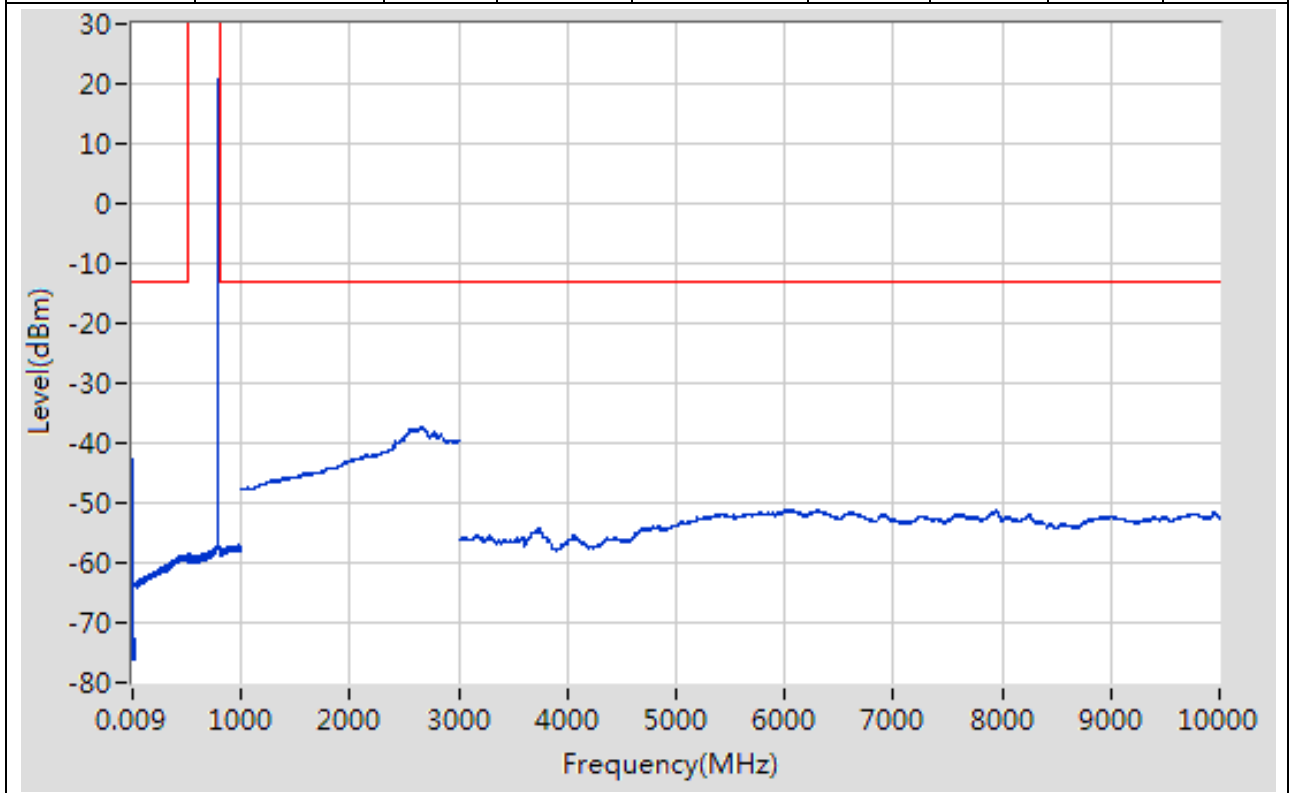
**1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	0.01	-49.69	-13	Pass	601
0.15	30	0.01	RMS	0.15	-44.33	-13	Pass	2985
30	500	0.1	RMS	496.699	-58.72	-13	Pass	4700
500	795	0.1	RMS	784.196	20	60	Pass	2950
795	1000	0.1	RMS	899.651	-57.02	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.22	-13	Pass	2000
3000	10000	1	RMS	6302.472	-51.2	-13	Pass	7000



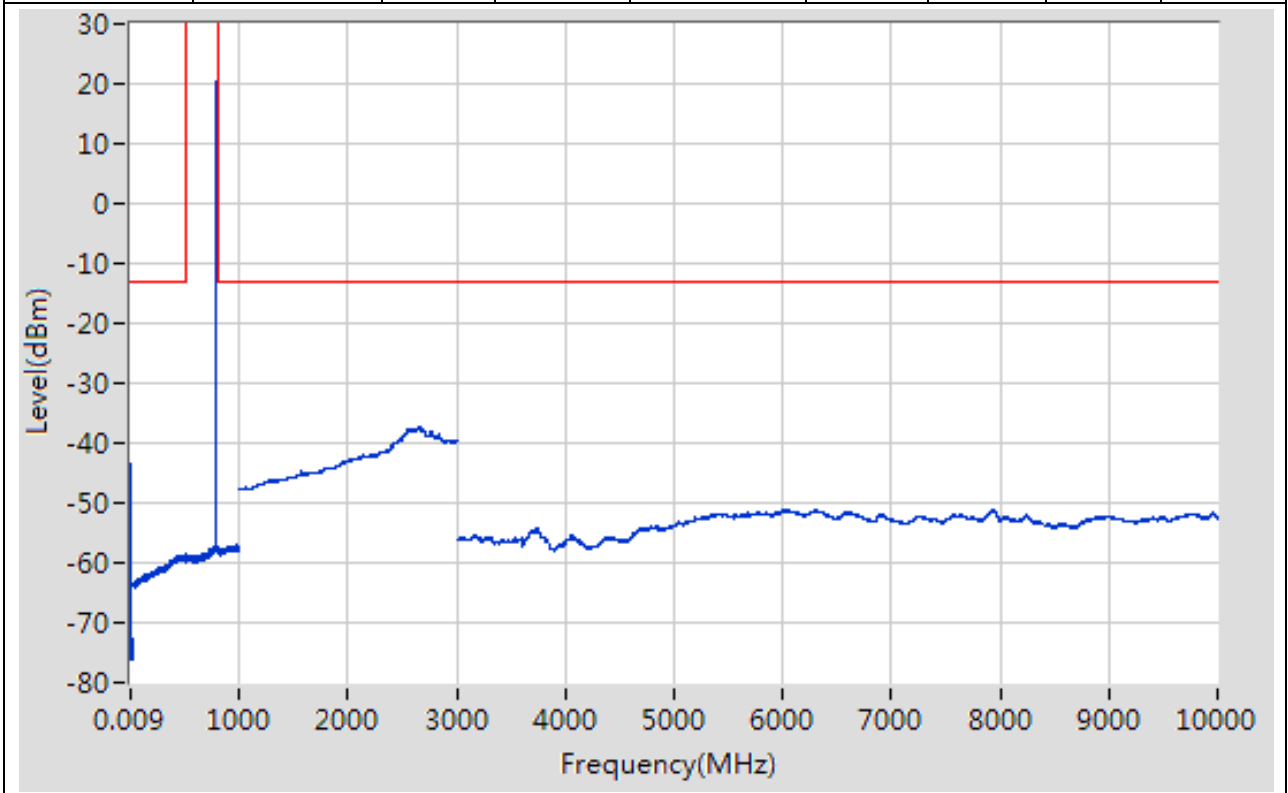
**1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-49.07	-13	Pass	601
0.15	30	0.01	RMS	0.15	-42.85	-13	Pass	2985
30	500	0.1	RMS	499.3	-58.55	-13	Pass	4700
500	795	0.1	RMS	782.296	20.88	60	Pass	2950
795	1000	0.1	RMS	984.392	-57.09	-13	Pass	2050
1000	3000	1	RMS	2658.829	-37.21	-13	Pass	2000
3000	10000	1	RMS	5989.427	-51.24	-13	Pass	7000



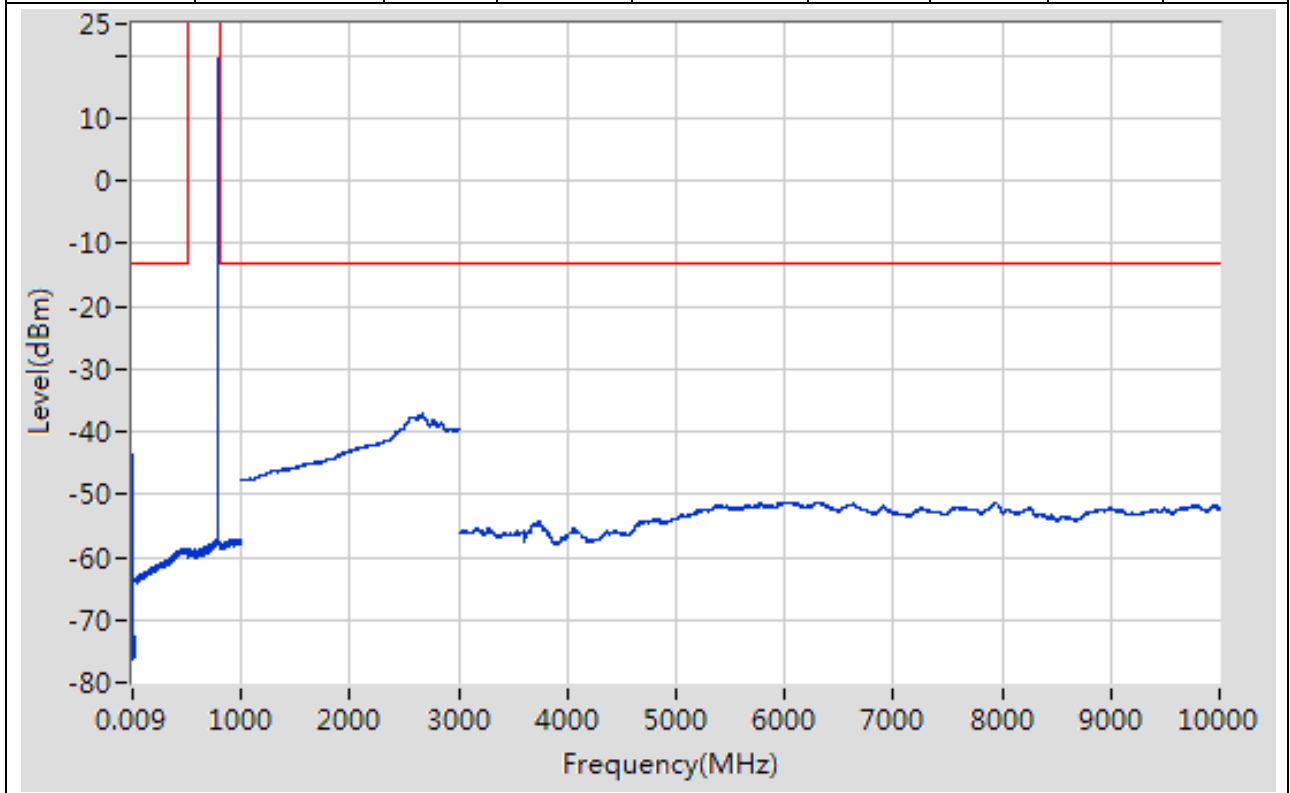
**1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.011	-48.64	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.62	-13	Pass	2985
30	500	0.1	RMS	499.6	-58.65	-13	Pass	4700
500	795	0.1	RMS	786.697	20.44	60	Pass	2950
795	1000	0.1	RMS	979.09	-57.07	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.21	-13	Pass	2000
3000	10000	1	RMS	6041.434	-51.17	-13	Pass	7000



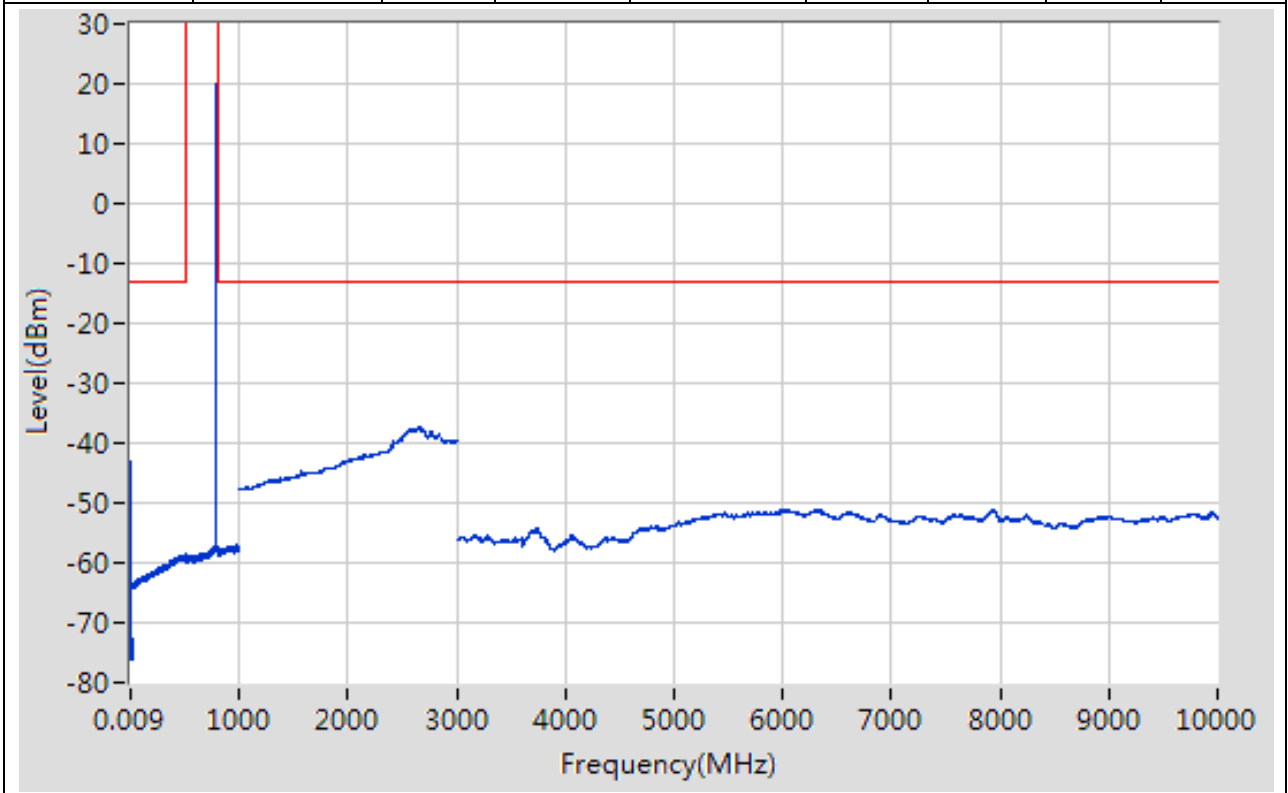
**1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	0.009	-49.3	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.58	-13	Pass	2985
30	500	0.1	RMS	494.999	-58.59	-13	Pass	4700
500	795	0.1	RMS	782.296	19.62	60	Pass	2950
795	1000	0.1	RMS	988.995	-57.06	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.2	-13	Pass	2000
3000	10000	1	RMS	5992.427	-51.2	-13	Pass	7000



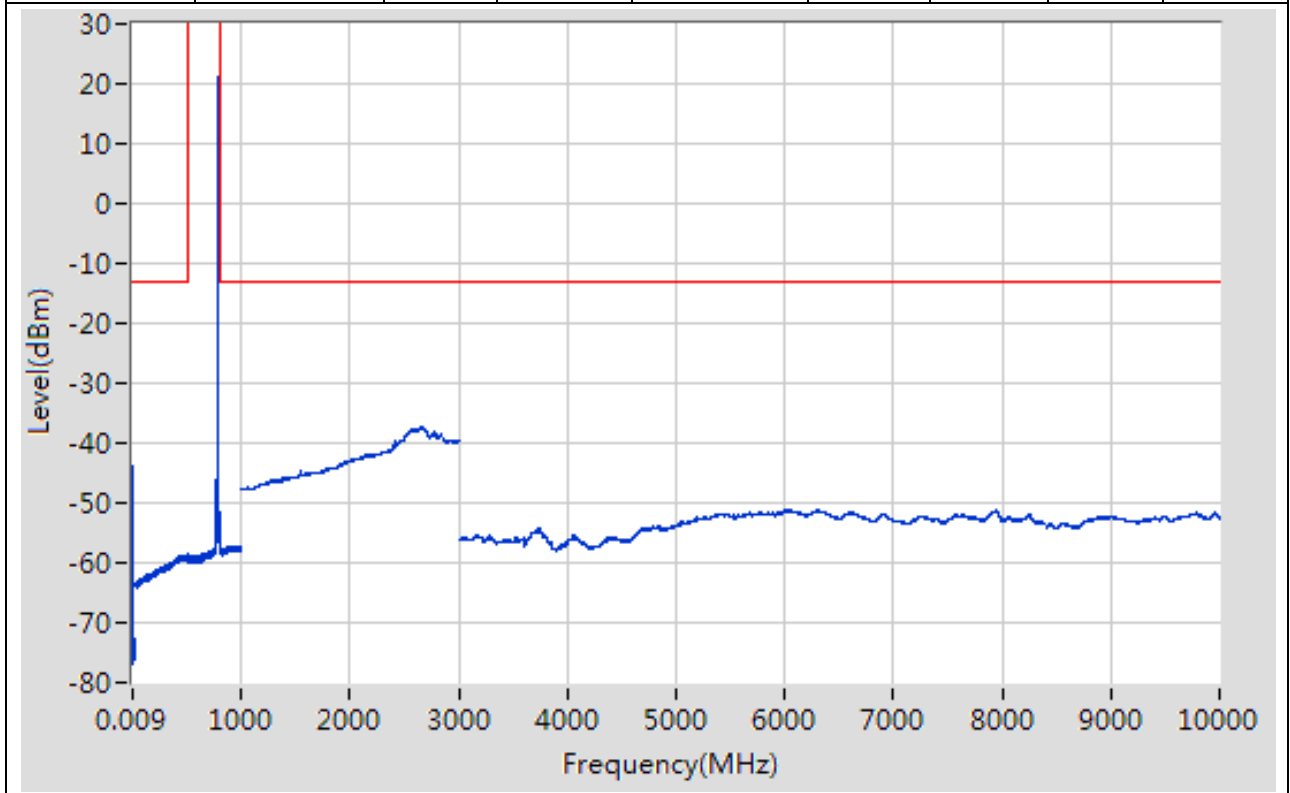
**1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	0.011	-49.74	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.26	-13	Pass	2985
30	500	0.1	RMS	498	-58.6	-13	Pass	4700
500	795	0.1	RMS	786.697	20.04	60	Pass	2950
795	1000	0.1	RMS	985.093	-57.11	-13	Pass	2050
1000	3000	1	RMS	2660.83	-37.25	-13	Pass	2000
3000	10000	1	RMS	6046.435	-51.19	-13	Pass	7000



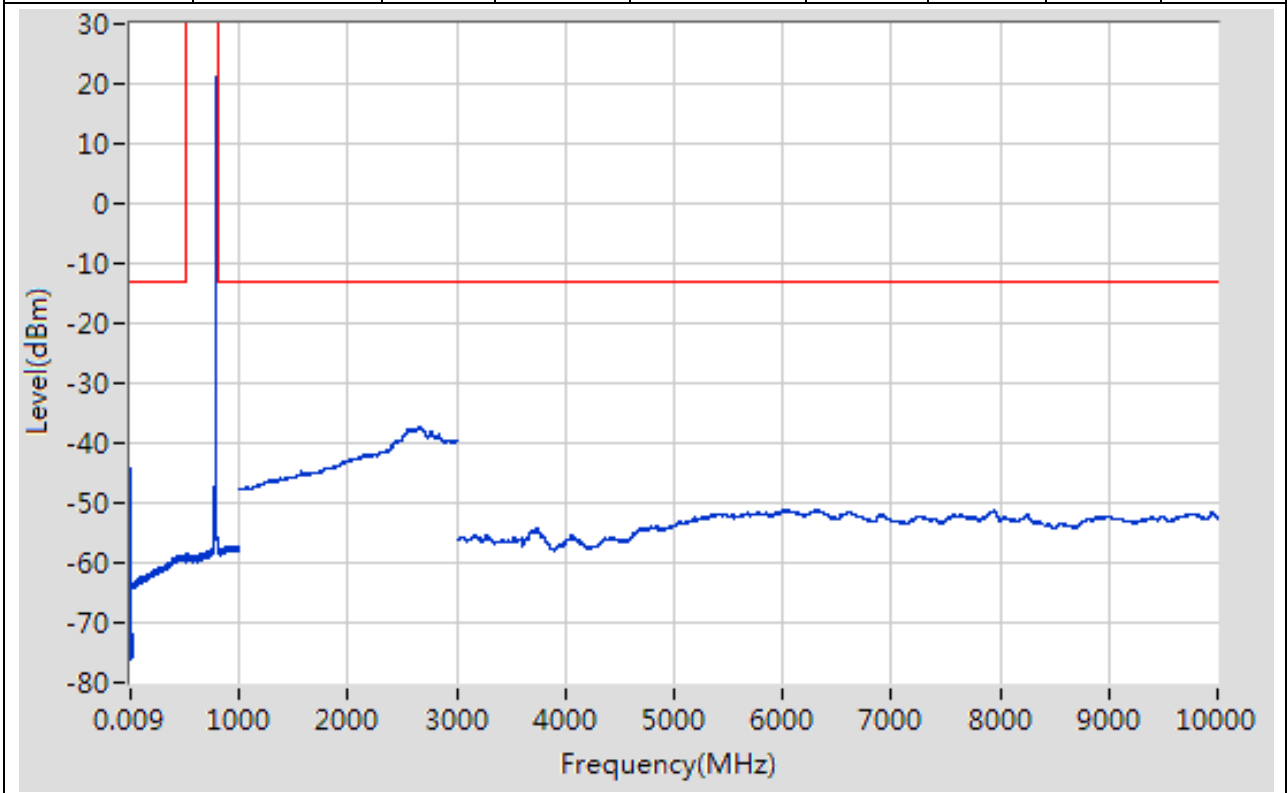
**1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-49.37	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.76	-13	Pass	2985
30	500	0.1	RMS	499.3	-58.58	-13	Pass	4700
500	795	0.1	RMS	777.594	21.16	60	Pass	2950
795	1000	0.1	RMS	795.2	-51.71	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.22	-13	Pass	2000
3000	10000	1	RMS	6299.471	-51.21	-13	Pass	7000



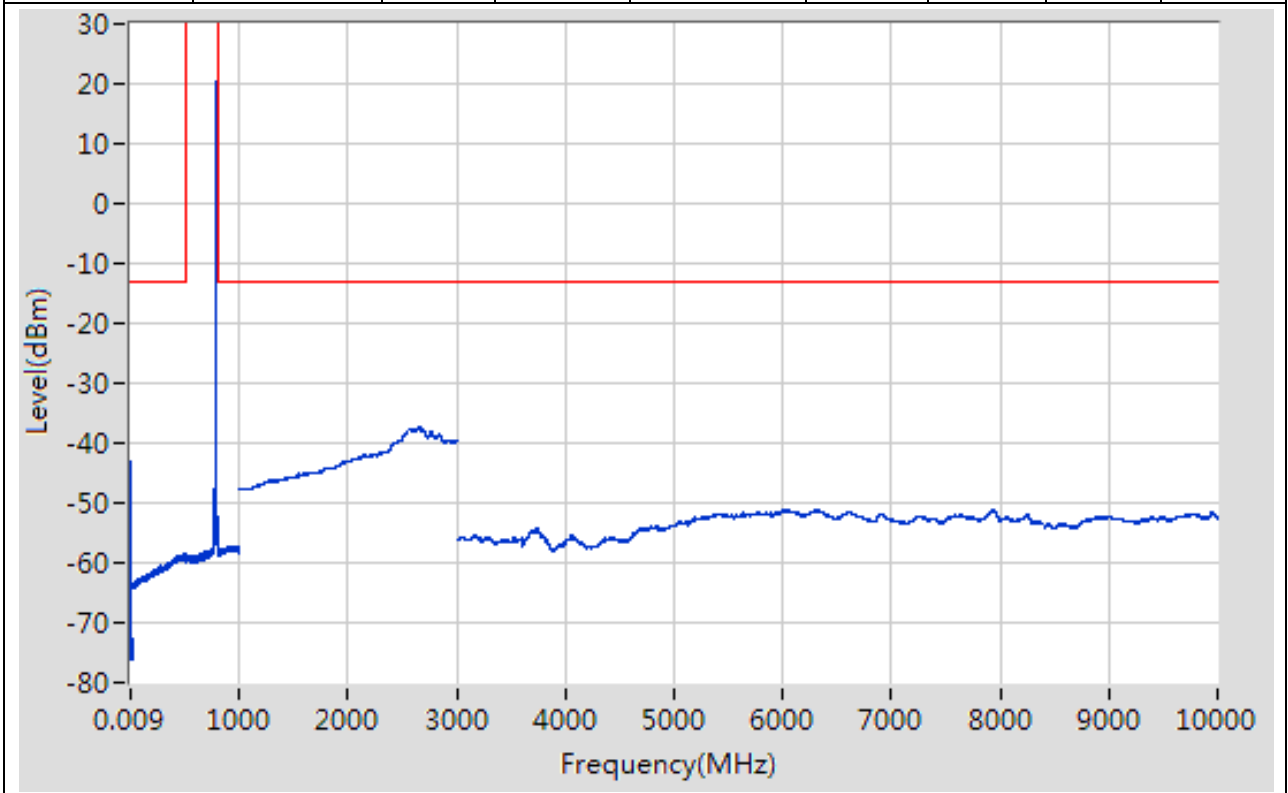
**1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-49.78	-13	Pass	601
0.15	30	0.01	RMS	0.16	-44.24	-13	Pass	2985
30	500	0.1	RMS	499.1	-58.54	-13	Pass	4700
500	795	0.1	RMS	786.397	21.1	60	Pass	2950
795	1000	0.1	RMS	797.001	-56.57	-13	Pass	2050
1000	3000	1	RMS	2657.829	-37.23	-13	Pass	2000
3000	10000	1	RMS	6026.432	-51.19	-13	Pass	7000



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

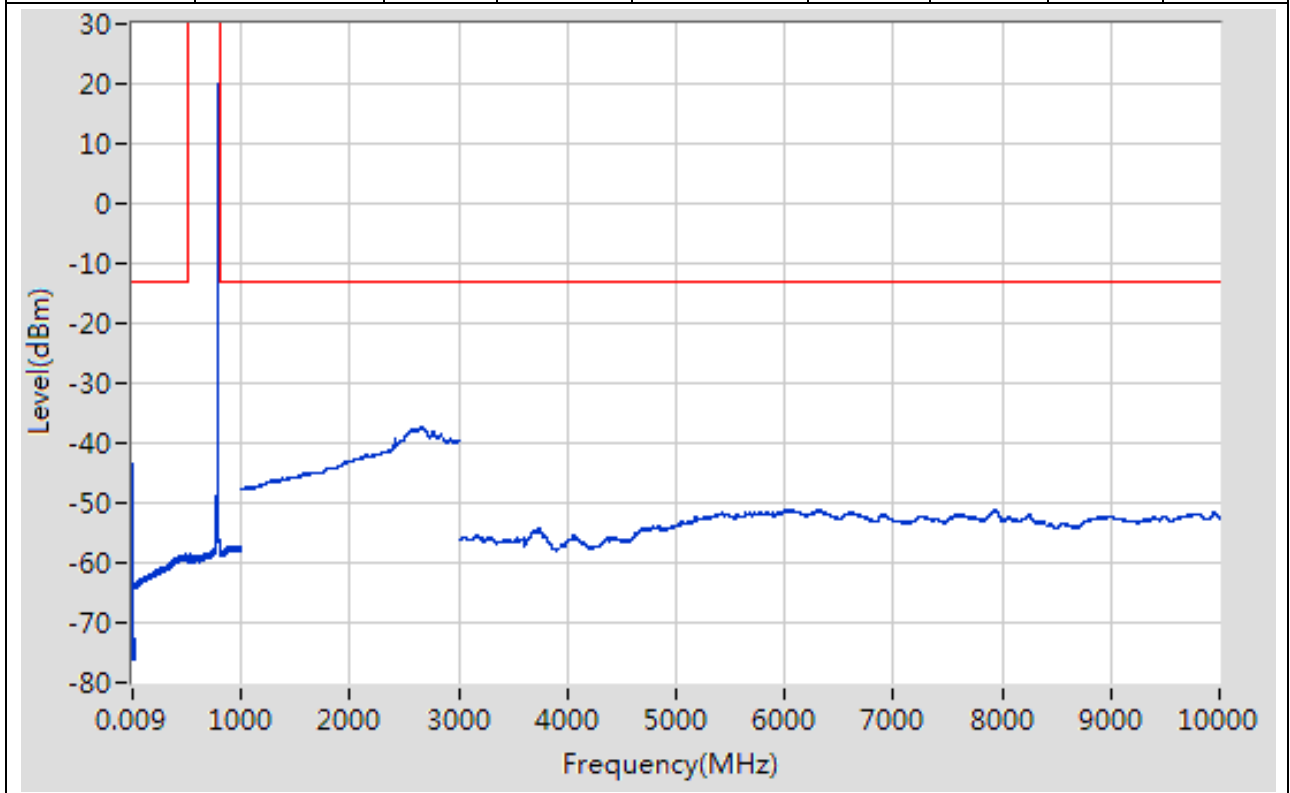
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-49.32	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.26	-13	Pass	2985
30	500	0.1	RMS	481.596	-58.62	-13	Pass	4700
500	795	0.1	RMS	777.594	20.33	60	Pass	2950
795	1000	0.1	RMS	795.2	-52.22	-13	Pass	2050
1000	3000	1	RMS	2659.83	-37.24	-13	Pass	2000
3000	10000	1	RMS	6051.436	-51.18	-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	-49.46	-13	Pass	601
0.15	30	0.01	RMS	0.15	-43.51	-13	Pass	2985
30	500	0.1	RMS	495.599	-58.63	-13	Pass	4700
500	795	0.1	RMS	786.397	20.08	60	Pass	2950
795	1000	0.1	RMS	795.3	-56.83	-13	Pass	2050
1000	3000	1	RMS	2661.831	-37.2	-13	Pass	2000
3000	10000	1	RMS	5990.427	-51.21	-13	Pass	7000



END