



Appendix for LTE Band71 FCC ID: 2AC88-GLMU19A02





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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Conducted Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)
			1	0	22.46	-0.88	21.58	0.144	3.000
			1	13	22.58	-0.88	21.70	0.148	3.000
			1	24	22.74	-0.88	21.86	0.153	3.000
		QPSK	12	0	21.71	-0.88	20.83	0.121	3.000
			12	6	21.76	-0.88	20.88	0.122	3.000
			12	13	21.77	-0.88	20.89	0.123	3.000
	1.611		25	0	21.83	-0.88	20.95	0.124	3.000
	LCH		1	0	21.33	-0.88	20.45	0.111	3.000
			1	13	21.29	-0.88	20.41	0.110	3.000
			1	24	21.29	-0.88	20.41	0.110	3.000
		Q16	12	0	20.78	-0.88	19.90	0.098	3.000
			12	6	20.83	-0.88	19.95	0.099	3.000
			12	13	20.83	-0.88	19.95	0.099	3.000
			25	0	21.07	-0.88	20.19	0.104	3.000
			1	0	22.42	-0.88	21.54	0.143	3.000
5			1	13	22.82	-0.88	21.94	0.156	3.000
5			1	24	22.68	-0.88	21.80	0.151	3.000
		QPSK	12	0	21.96	-0.88	21.08	0.128	3.000
			12	6	21.99	-0.88	21.11	0.129	3.000
			12	13	21.97	-0.88	21.09	0.129	3.000
	NACII		25	0	21.89	-0.88	21.01	0.126	3.000
	MCH		1	0	21.17	-0.88	20.29	0.107	3.000
			1	13	21.35	-0.88	20.47	0.111	3.000
			1	24	21.15	-0.88	20.27	0.106	3.000
		Q16	12	0	20.88	-0.88	20.00	0.100	3.000
			12	6	20.91	-0.88	20.03	0.101	3.000
			12	13	20.8	-0.88	19.92	0.098	3.000
			25	0	20.86	-0.88	19.98	0.100	3.000
			1	0	22.72	-0.88	21.84	0.153	3.000
	LICH	ODCI	1	13	22.87	-0.88	21.99	0.158	3.000
	HCH	QPSK	1	24	22.72	-0.88	21.84	0.153	3.000
			12	0	21.9	-0.88	21.02	0.126	3.000

CTC Laboratories, Inc.

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12 6 22 -0.88 21.12 0.129 3.000 12 13 21.81 -0.88 20.93 0.124 3.000 1 0 21.58 -0.88 20.07 0.117 3.000 1 13 21.5 -0.88 20.62 0.115 3.000 1 24 21.55 -0.88 20.62 0.115 3.000 1 24 21.55 -0.88 20.67 0.117 3.000 12 0 20.72 -0.88 19.72 0.094 3.000 12 13 20.67 -0.88 19.72 0.094 3.000 12 13 20.67 -0.88 19.72 0.094 3.000 12 13 20.67 -0.88 19.72 0.094 3.000 12 13 20.67 -0.88 19.72 0.094 3.000 12 13 20.67 -0.88 19.72 0.094 3.000 12 13 20.67 -0.88 19.72 0.094 3.000 12 13 20.67 -0.88 19.72 0.094 3.000 14 49 22.59 -0.88 21.71 0.148 3.000 1 49 22.59 -0.88 21.93 0.156 3.000 1 49 22.6 -0.88 21.93 0.156 3.000 25 13 21.93 -0.88 21.05 0.127 3.000 25 13 21.93 -0.88 20.95 0.125 3.000 1 25 22.21 -0.88 20.95 0.125 3.000 1 25 22.21 -0.88 20.95 0.125 3.000 1 49 21.92 -0.88 21.33 0.136 3.000 1 49 21.92 -0.88 20.05 0.101 3.000 25 13 21.06 -0.88 20.15 0.101 3.000 25 13 21.06 -0.88 20.15 0.101 3.000 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 20.93 -0.88 20.65 0.101 3.000 25 25 20.93 -0.88 20.16 0.128 3.000 1 49 22.74 -0.88 21.61 0.128 3.000 1 49 22.74 -0.88 21.05 0.127 3.000 25 13 22.07 -0.88 21.05 0.127 3.000 25 13 22.07 -0.88 21.07 0.128 3.000 1 49 22.74 -0.88 21.05 0.127 3.000 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 20.93 -0.88 20.05 0.101 3.000 25 23 20 -0.88 20.05 0.101 3.000 25 23 20 -0.88 20.05 0.101 3.000 25 23 20 -0.88 20.05 0.101 3.000 25 23 24 -0.88 20.05 0.101 3.000										
Reference Part				12	6	22	-0.88	21.12	0.129	3.000
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1 13 21.5 -0.88 20.62 0.115 3.000 1 24 21.55 -0.88 20.67 0.117 3.000 12 0 20.72 -0.88 19.74 0.096 3.000 12 13 20.67 -0.88 19.72 0.094 3.000 12 13 20.67 -0.88 19.79 0.099 3.000 25 0 20.84 -0.88 19.79 0.099 3.000 25 0 20.84 -0.88 19.79 0.099 3.000 11 2 13 20.67 -0.88 21.71 0.148 3.000 11 25 22.81 -0.88 21.71 0.148 3.000 11 49 22.6 -0.88 21.72 0.149 3.000 25 0 21.95 -0.88 21.07 0.125 3.000 25 13 21.93 -0.88 21.05 0.127 3.000 25 25 25 21.85 -0.88 20.99 0.125 3.000 25 0 21.86 -0.88 20.99 0.125 3.000 25 25 25 21.85 -0.88 20.99 0.125 3.000 1 49 21.92 -0.88 21.07 0.128 3.000 1 49 21.92 -0.88 21.00 0.101 3.000 25 13 21.99 -0.88 21.00 0.101 3.000 25 25 13 21.99 -0.88 20.05 0.101 3.000 25 13 21.99 -0.88 20.05 0.101 3.000 25 13 21.99 -0.88 20.05 0.101 3.000 25 13 21.99 -0.88 20.05 0.101 3.000 25 13 21.99 -0.88 20.05 0.101 3.000 25 13 21.06 -0.88 20.05 0.101 3.000 25 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 25 20.93 -0.88 20.05 0.101 3.000 25 13 21.06 -0.88 22.00 0.158 3.000 20 20.81 -0.88 19.99 0.098 3.000 21 49 22.74 -0.88 21.09 0.193 3.000 22.88 -0.88 22.00 0.158 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.09 0.102 3.000 25 25 25 20.94 -0.88 21.99 0.099 3.000 25 31 21.07 -0.88 21.99 0.099 3.000 25 31 21.07 -0.88 20.99 0.099 3.000 25 31 21.07 -0.88 20.99 0.099 3.000 25 31 21.07 -0.88 20.99 0.099 3.000 25 31 21.07 -0.88 20.99 0.099 3.000 25 31 21.07 -0.88 20.99 0.099 3.000 25 31 21.07 -0.88 20.99 0.099 3.000 25 31 21.07 -0.88 20.99 0.099 3.000 25 31 21.07 -0.88 20.99 0.099 3.000				25	0	21.89		21.01		
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10 Other Property of Content o				1	13	21.5	-0.88	20.62	0.115	3.000
10 12 6 20.6 -0.88 19.72 0.094 3.000 12 13 20.67 -0.88 19.79 0.095 3.000 25 0 20.84 -0.88 19.96 0.099 3.000 1 25 22.81 -0.88 21.71 0.148 3.000 1 25 22.81 -0.88 21.71 0.148 3.000 1 49 22.6 -0.88 21.72 0.149 3.000 25 13 21.93 -0.88 21.07 0.128 3.000 25 13 21.93 -0.88 21.07 0.128 3.000 25 25 21.85 -0.88 20.97 0.125 3.000 25 25 21.85 -0.88 20.97 0.125 3.000 25 25 21.85 -0.88 20.97 0.125 3.000 1 25 22.21 -0.88 20.97 0.124 3.000 1 25 22.21 -0.88 20.97 0.125 3.000 1 49 21.92 -0.88 21.04 0.127 3.000 25 13 21.06 -0.88 20.05 0.101 3.000 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 20.93 -0.88 20.05 0.101 3.000 26 27 20.93 -0.88 20.05 0.101 3.000 27 28 -0.88 20.05 0.101 3.000 28 -0.88 20.05 0.101 3.000 29 20 20 20 20 20 20 20				1	24	21.55	-0.88	20.67	0.117	3.000
10 12			Q16	12	0	20.72	-0.88	19.84	0.096	3.000
10				12	6	20.6	-0.88	19.72	0.094	3.000
10 Care Principle				12	13	20.67	-0.88	19.79	0.095	3.000
10 Capical Parish				25	0	20.84	-0.88	19.96	0.099	3.000
10				1	0	22.59	-0.88	21.71	0.148	3.000
10 Application Applicatio				1	25	22.81	-0.88	21.93	0.156	3.000
10 Change				1	49	22.6	-0.88	21.72	0.149	3.000
10 Change			QPSK	25	0	21.95	-0.88	21.07	0.128	3.000
10 CH				25	13	21.93	-0.88	21.05	0.127	3.000
10 0 21.45 -0.88 20.57 0.114 3.000 1 25 22.21 -0.88 21.33 0.136 3.000 1 49 21.92 -0.88 21.04 0.127 3.000 25 13 21.06 -0.88 20.05 0.101 3.000 25 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 25 20.93 -0.88 20.05 0.101 3.000 25 25 25 20.93 -0.88 20.05 0.101 3.000 26 25 25 20.93 -0.88 20.05 0.101 3.000 27 20.81 -0.88 19.93 0.098 3.000 28 20.05 0.101 3.000 29 20.81 -0.88 19.93 0.098 3.000 20 20.81 -0.88 22.00 0.158 3.000 20 20.81 -0.88 22.00 0.158 3.000 20 20.81 -0.88 22.00 0.158 3.000 20 20.81 -0.88 21.07 0.182 3.000 20 20.81 -0.88 21.07 0.182 3.000 20 21.95 -0.88 21.07 0.128 3.000 20 21.95 -0.88 21.07 0.128 3.000 20 21.95 -0.88 21.07 0.128 3.000 20 21.93 -0.88 21.07 0.128 3.000 20 21.93 -0.88 21.07 0.128 3.000 20 21.93 -0.88 21.07 0.128 3.000 21.93 -0.88 21.07 0.128 3.000 21.93 -0.88 21.07 0.128 3.000 21.93 -0.88 21.07 0.128 3.000 21.93 -0.88 21.07 0.128 3.000 21.93 -0.88 21.07 0.128 3.000 21.93 -0.88 21.07 0.128 3.000 21.94 -0.88 21.99 0.102 3.000 22 20.97 -0.88 20.99 0.102 3.000 23 25 25 20.84 -0.88 19.96 0.099 3.000 25 25 25 20.84 -0.88 19.96 0.099 3.000 25 25 25 20.84 -0.88 19.96 0.099 3.000 25 25 25 20.84 -0.88 19.96 0.099 3.000 25 25 25 20.84 -0.88 19.96 0.099 3.000				25	25	21.85	-0.88	20.97	0.125	3.000
1 0 21.45 -0.88 20.57 0.114 3.000 1 25 22.21 -0.88 21.33 0.136 3.000 1 49 21.92 -0.88 21.04 0.127 3.000 25 0 20.93 -0.88 20.05 0.101 3.000 25 13 21.06 -0.88 20.18 0.104 3.000 25 25 25 20.93 -0.88 20.05 0.101 3.000 50 0 20.81 -0.88 19.93 0.098 3.000 1 25 23.49 -0.88 22.00 0.158 3.000 1 49 22.74 -0.88 21.36 0.153 3.000 25 13 22.07 -0.88 21.07 0.128 3.000 25 13 22.07 -0.88 21.07 0.128 3.000 25 13 22.07 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 26 25 25 21.95 -0.88 21.07 0.128 3.000 27 25 25 22.46 -0.88 21.50 0.144 3.000 28 22.27 -0.88 21.39 0.138 3.000 29 20.97 -0.88 20.09 0.102 3.000 20 20.97 -0.88 20.09 0.102 3.000 21 23 21.07 -0.88 20.19 0.104 3.000 25 25 25 20.84 -0.88 19.96 0.099 3.000 25 25 25 20.84 -0.88 19.96 0.099 3.000 26 27 -0.88 20.18 0.104 3.000		LCII		50	0	21.86	-0.88	20.98	0.125	3.000
1 49 21.92 -0.88 21.04 0.127 3.000 25 0 20.93 -0.88 20.05 0.101 3.000 25 13 21.06 -0.88 20.18 0.104 3.000 25 25 25 20.93 -0.88 20.05 0.101 3.000 50 0 20.81 -0.88 19.93 0.098 3.000 1 0 22.88 -0.88 22.00 0.158 3.000 1 25 23.49 -0.88 22.00 0.158 3.000 1 49 22.74 -0.88 21.66 0.153 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 25 21.95 -0.88 21.07 0.128 3.000 26 25 25 21.95 -0.88 21.07 0.128 3.000 27 22.94 -0.88 21.07 0.128 3.000 28 25 25 21.95 -0.88 21.07 0.128 3.000 29 20.97 -0.88 21.09 0.102 3.000 20 20.97 -0.88 20.09 0.102 3.000 21 20.97 -0.88 20.09 0.102 3.000 25 25 25 20.84 -0.88 19.96 0.099 3.000 25 25 25 20.84 -0.88 19.96 0.099 3.000 25 25 25 20.84 -0.88 19.96 0.099 3.000		LCH		1	0	21.45	-0.88	20.57	0.114	3.000
10 Output				1	25	22.21	-0.88	21.33	0.136	3.000
10 25				1	49	21.92	-0.88	21.04	0.127	3.000
10 25 25 20.93 -0.88 20.05 0.101 3.000 50 0 20.81 -0.88 19.93 0.098 3.000 1 0 22.88 -0.88 22.00 0.158 3.000 1 25 23.49 -0.88 22.61 0.182 3.000 1 49 22.74 -0.88 21.86 0.153 3.000 25 13 22.07 -0.88 21.07 0.128 3.000 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 21.95 -0.88 21.07 0.128 3.000 25 25 21.95 -0.88 21.07 0.128 3.000 50 0 21.93 -0.88 21.05 0.127 3.000 1 25 22.46 -0.88 21.58 0.144 3.000 1 49 22.27 -0.88 21.39 0.138 3.000 1 49 22.27 -0.88 20.19 0.104 3.000 25 25 20.84 -0.88 19.96 0.099 3.000 25 25 20.84 -0.88 19.96 0.099 3.000 50 0 21.06 -0.88 20.18 0.104 3.000 HCH			Q16	25	0	20.93	-0.88	20.05	0.101	3.000
10 So				25	13	21.06	-0.88	20.18	0.104	3.000
10 A				25	25	20.93	-0.88	20.05	0.101	3.000
10 April				50	0	20.81	-0.88	19.93	0.098	3.000
MCH QPSK 25 QPSK 26 QPSK 27 QPSK 28 QPSK 29 QPSK 29 QPSK 20 QPSK 21 QPSK 25 QPSK 25 QPSK 25 QPSK 25 QPSK 25 QPSK 25 QPSK 26 QPSK 27 QPSK 28 QPSK 29 QPSK 29 QPSK 20 QPSK 30 QPSK 40 Q	10			1	0	22.88	-0.88	22.00	0.158	3.000
MCH QPSK 25 0 21.95 -0.88 21.07 0.128 3.000 25 13 22.07 -0.88 21.07 0.128 3.000 25 25 21.95 -0.88 21.07 0.128 3.000 50 0 21.93 -0.88 21.05 0.127 3.000 1 0.128 3.000 50 0 21.93 -0.88 21.05 0.127 3.000 1 0.118 3.000 1 1 25 22.46 -0.88 21.58 0.144 3.000 1 49 22.27 -0.88 21.39 0.138 3.000 1 49 22.27 -0.88 21.39 0.138 3.000 25 0 20.97 -0.88 20.19 0.104 3.000 25 13 21.07 -0.88 20.19 0.104 3.000 25 25 20.84 -0.88 19.96 0.099 3.000 50 0 21.06 -0.88 21.87 0.154 3.000	10			1	25	23.49	-0.88	22.61	0.182	3.000
MCH 25				1	49	22.74	-0.88	21.86	0.153	3.000
MCH 25 25 21.95 -0.88 21.07 0.128 3.000 50 0 21.93 -0.88 21.05 0.127 3.000 1 0 21.59 -0.88 20.71 0.118 3.000 1 25 22.46 -0.88 21.58 0.144 3.000 1 49 22.27 -0.88 21.39 0.138 3.000 25 0 20.97 -0.88 20.09 0.102 3.000 25 13 21.07 -0.88 20.19 0.104 3.000 25 25 20.84 -0.88 19.96 0.099 3.000 50 0 21.06 -0.88 20.18 0.104 3.000 HCH QPSK			QPSK	25	0	21.95	-0.88	21.07	0.128	3.000
MCH 1				25	13	22.07	-0.88	21.19	0.132	3.000
MCH 1 0 21.59 -0.88 20.71 0.118 3.000 1 25 22.46 -0.88 21.58 0.144 3.000 1 49 22.27 -0.88 21.39 0.138 3.000 25 0 20.97 -0.88 20.09 0.102 3.000 25 13 21.07 -0.88 20.19 0.104 3.000 25 25 25 20.84 -0.88 19.96 0.099 3.000 50 0 21.06 -0.88 20.18 0.104 3.000 HCH QPSK 1 0 22.75 -0.88 21.87 0.154 3.000				25	25	21.95	-0.88	21.07	0.128	3.000
1 0 21.59 -0.88 20.71 0.118 3.000 1 25 22.46 -0.88 21.58 0.144 3.000 1 49 22.27 -0.88 21.39 0.138 3.000 25 0 20.97 -0.88 20.09 0.102 3.000 25 13 21.07 -0.88 20.19 0.104 3.000 25 25 25 20.84 -0.88 19.96 0.099 3.000 50 0 21.06 -0.88 20.18 0.104 3.000 HCH QPSK		NACU		50	0	21.93	-0.88	21.05	0.127	3.000
Q16 1 49 22.27 -0.88 21.39 0.138 3.000 25 0 20.97 -0.88 20.09 0.102 3.000 25 13 21.07 -0.88 20.19 0.104 3.000 25 25 20.84 -0.88 19.96 0.099 3.000 50 0 21.06 -0.88 20.18 0.104 3.000 HCH QPSK		IVICH		1	0	21.59	-0.88	20.71	0.118	3.000
Q16				1	25	22.46	-0.88	21.58	0.144	3.000
25 13 21.07 -0.88 20.19 0.104 3.000 25 25 20.84 -0.88 19.96 0.099 3.000 50 0 21.06 -0.88 20.18 0.104 3.000 HCH QPSK 1 0 22.75 -0.88 21.87 0.154 3.000				1	49	22.27	-0.88	21.39	0.138	3.000
25 13 21.07 -0.88 20.19 0.104 3.000 25 25 20.84 -0.88 19.96 0.099 3.000 50 0 21.06 -0.88 20.18 0.104 3.000 HCH QPSK 1 0 22.75 -0.88 21.87 0.154 3.000				25	0	20.97	-0.88	20.09	0.102	3.000
25 25 20.84 -0.88 19.96 0.099 3.000 50 0 21.06 -0.88 20.18 0.104 3.000 HCH QPSK 1 0 22.75 -0.88 21.87 0.154 3.000				25	13	21.07	-0.88		0.104	3.000
HCH QPSK 1 0 22.75 -0.88 21.87 0.154 3.000				25	25	20.84	-0.88		0.099	3.000
HCH QPSK 1 0 22.75 -0.88 21.87 0.154 3.000				50	0	21.06	-0.88	20.18	0.104	3.000
HCH QPSK 1 25 22.96 -0.88 22.08 0.161 3.000				1	0	22.75	-0.88		0.154	3.000
		HCH	QPSK	1	25	22.96	-0.88	22.08	0.161	3.000

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			1	49	22.87	-0.88	21.99	0.158	3.000
			25	0	21.94	-0.88	21.06	0.128	3.000
			25	13	22.01	-0.88	21.13	0.130	3.000
			25	25	22.01	-0.88	21.13	0.130	3.000
			50	0	21.95	-0.88	21.07	0.128	3.000
			1	0	22.06	-0.88	21.18	0.131	3.000
			1	25	22.02	-0.88	21.14	0.130	3.000
			1	49	21.86	-0.88	20.98	0.125	3.000
		Q16	25	0	20.96	-0.88	20.08	0.102	3.000
			25	13	21.08	-0.88	20.20	0.105	3.000
			25	25	20.94	-0.88	20.06	0.101	3.000
			50	0	20.89	-0.88	20.01	0.100	3.000
			1	0	22.62	-0.88	21.74	0.149	3.000
			1	38	22.9	-0.88	22.02	0.159	3.000
			1	74	22.72	-0.88	21.84	0.153	3.000
		QPSK	36	0	21.82	-0.88	20.94	0.124	3.000
			36	19	21.98	-0.88	21.10	0.129	3.000
			36	39	21.85	-0.88	20.97	0.125	3.000
	1.611		75	0	21.85	-0.88	20.97	0.125	3.000
	LCH		1	0	21.49	-0.88	20.61	0.115	3.000
			1	38	22.01	-0.88	21.13	0.130	3.000
			1	74	21.71	-0.88	20.83	0.121	3.000
		Q16	36	0	20.87	-0.88	19.99	0.100	3.000
			36	19	20.94	-0.88	20.06	0.101	3.000
			36	39	20.82	-0.88	19.94	0.099	3.000
15			75	0	20.82	-0.88	19.94	0.099	3.000
15			1	0	22.66	-0.88	21.78	0.151	3.000
			1	38	22.98	-0.88	22.10	0.162	3.000
			1	74	22.72	-0.88	21.84	0.153	3.000
		QPSK	36	0	22	-0.88	21.12	0.129	3.000
		МСН	36	19	22.1	-0.88	21.22	0.132	3.000
			36	39	21.9	-0.88	21.02	0.126	3.000
			75	0	21.95	-0.88	21.07	0.128	3.000
	MCH		1	0	22	-0.88	21.12	0.129	3.000
			1	38	22.33	-0.88	21.45	0.140	3.000
			1	74	22.32	-0.88	21.44	0.139	3.000
		Q16	36	0	20.99	-0.88	20.11	0.103	3.000
			36	19	21.02	-0.88	20.14	0.103	3.000
			36	39	20.91	-0.88	20.03	0.101	3.000
			75	0	20.96	-0.88	20.08	0.102	3.000

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April				1	I	I	l	I		I
ACHERAL PARK INTERPRETATION OF THE PARK INTERPRE				1						
ALCH RICH RICH RICH RICH RICH RICH RICH RI				1	38	22.85	-0.88	21.97	0.157	3.000
HCH HCH HCH ACH ACH ACH ACH ACH ACH ACH				1	74	22.79	-0.88	21.91	0.155	3.000
HCH			QPSK	36	0	21.92	-0.88	21.04	0.127	3.000
HCH				36	19	22.06	-0.88	21.18	0.131	3.000
HCH 1				36	39	21.95	-0.88	21.07	0.128	3.000
1 0 22.68 -0.88 21.80 0.151 3.000 1 74 22.72 -0.88 22.10 0.159 3.000 1 74 22.72 -0.88 22.01 0.159 3.000 36 0 20.84 -0.88 29.01 0.100 3.000 36 19 20.89 -0.88 20.01 0.100 3.000 36 39 20.88 -0.88 20.00 0.100 3.000 75 0 20.87 -0.88 19.99 0.100 3.000 1 50 22.83 -0.88 21.42 0.139 3.000 1 99 22.72 -0.88 21.95 0.157 3.000 1 99 22.72 -0.88 21.95 0.157 3.000 50 25 22.01 -0.88 21.04 0.127 3.000 50 25 22.01 -0.88 21.04 0.127 3.000 100 0 21.9 -0.88 21.02 0.126 3.000 1 99 21.46 -0.88 20.94 0.124 3.000 1 99 21.46 -0.88 20.94 0.124 3.000 1 99 21.46 -0.88 20.12 0.103 3.000 50 25 21.01 -0.88 20.13 0.130 3.000 1 99 21.46 -0.88 20.12 0.103 3.000 50 25 21.01 -0.88 20.13 0.130 3.000 1 99 21.46 -0.88 20.12 0.103 3.000 50 25 21 -0.88 20.12 0.103 3.000 50 20.96 -0.88 20.12 0.103 3.000 50 20.96 -0.88 20.12 0.103 3.000 50 20.96 -0.88 20.11 0.100 3.000 50 20.96 -0.88 20.12 0.103 3.000 50 20.96 -0.88 20.11 0.100 3.000 50 20.96 -0.88 20.11 0.100 3.000 50 20.96 -0.88 20.11 0.100 3.000 50 20.96 -0.88 20.11 0.100 3.000 50 20.96 -0.88 20.11 0.100 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 25 21 0.088 21.11 0.129 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000 50 20.96 -0.88 20.11 0.103 3.000		нсн		75	0	21.9	-0.88	21.02	0.126	3.000
20 Parish		TICH		1	0	22.68	-0.88	21.80	0.151	3.000
ALCH Color Color				1	38	22.89	-0.88	22.01	0.159	3.000
ALCH				1	74	22.72	-0.88	21.84	0.153	3.000
100 300			Q16	36	0	20.84	-0.88	19.96	0.099	3.000
100 75 0 20.87 -0.88 19.99 0.100 3.000 3.000 1 0 22.3 -0.88 21.42 0.139 3.000 1 3.000 1 500 22.83 -0.88 21.95 0.157 3.000 1 99 22.72 -0.88 21.84 0.153 3.000 21.87 -0.88 20.99 0.126 3.000 21.87 -0.88 21.13 0.130 3.000 22.07 -0.88 21.13 0.130 3.000 21.92 -0.88 21.04 0.127 3.000 21.92 -0.88 21.02 0.126 3.000 21.92 -0.88 21.02 0.126 3.000 21.92 -0.88 20.94 0.124 3.000 21.92 -0.88 20.94 0.124 3.000 21.82 -0.88 20.94 0.124 3.000 21.82 -0.88 20.94 0.124 3.000 21.92 -0.88 20.08 0.102 3.000 20.96 -0.88 20.08 0.102 3.000 20.96 -0.88 20.08 0.102 3.000 20.96 -0.88 20.01 0.103 3.000 20.99 -0.88 20.01 0.103 3.000 20.99 -0.88 20.01 0.100 3.000 20.99 -0.88 20.01 0.100 3.000 20.99 -0.88 22.15 0.178 3.000 20.99 -0.88 22.17 0.165 3.000 20.99 -0.88 22.17 0.165 3.000 20.99 -0.88 22.17 0.165 3.000 20.99 -0.88 22.17 0.165 3.000 20.99 -0.88 22.17 0.165 3.000 20.90 -0.88 21.11 0.129 3.000 20.90 -0.88 21.11 0.129 3.000 20.90 -0.88 21.11 0.129 3.000 20.90 -0.88 21.11 0.129 3.000 20.90 -0.88 21.11 0.129 3.000 20.90 -0.88 21.11 0.129 3.000 20.90 -0.88 21.11 0.129 3.000 20.90 -0.88 21.11 0.129 3.000 20.90 20.90 -0.88 21.11 0.129 3.000 20.90 2				36	19	20.89	-0.88	20.01	0.100	3.000
1 0 22.3 -0.88 21.42 0.139 3.000 1 50 22.83 -0.88 21.95 0.157 3.000 1 99 22.72 -0.88 21.84 0.153 3.000 50 25 22.01 -0.88 21.13 0.130 3.000 50 25 22.01 -0.88 21.04 0.127 3.000 100 0 21.9 -0.88 21.02 0.126 3.000 1 99 21.46 -0.88 20.94 0.121 3.000 1 99 21.46 -0.88 20.94 0.124 3.000 1 99 21.46 -0.88 20.94 0.124 3.000 50 25 21 -0.88 20.08 0.102 3.000 50 25 21 -0.88 20.12 0.103 3.000 50 25 21 -0.88 20.13 0.103 3.000 50 25 21 -0.88 20.13 0.103 3.000 50 25 21 -0.88 20.13 0.103 3.000 50 25 21 -0.88 20.13 0.103 3.000 50 25 21 -0.88 20.13 0.103 3.000 100 0 20.89 -0.88 20.10 0.100 3.000 100 0 20.89 -0.88 22.05 0.160 3.000 100 0 20.89 -0.88 22.17 0.165 3.000 100 0 21.99 -0.88 21.11 0.129 3.000 100 0 21.99 -0.88 21.11 0.129 3.000 50 25 22.04 -0.88 21.11 0.129 3.000 50 25 22.04 -0.88 21.10 0.131 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000				36	39	20.88	-0.88	20.00	0.100	3.000
1 50 22.83 -0.88 21.95 0.157 3.000 1 99 22.72 -0.88 21.84 0.153 3.000 50 25 22.01 -0.88 21.13 0.130 3.000 50 25 22.01 -0.88 21.04 0.127 3.000 100 0 21.9 -0.88 21.02 0.126 3.000 1 0 21.72 -0.88 20.94 0.121 3.000 1 0 21.72 -0.88 20.94 0.124 3.000 1 1 99 21.46 -0.88 20.94 0.124 3.000 1 0 20.96 -0.88 20.08 0.102 3.000 50 25 21 -0.88 20.12 0.103 3.000 50 25 21 -0.88 20.12 0.103 3.000 50 25 21 -0.88 20.12 0.103 3.000 50 25 21 -0.88 20.13 0.103 3.000 50 25 21 -0.88 20.13 0.103 3.000 100 0 20.89 -0.88 20.10 0.100 3.000 100 0 20.89 -0.88 22.05 0.160 3.000 100 0 20.89 -0.88 22.05 0.160 3.000 100 0 20.89 -0.88 22.17 0.165 3.000 100 0 21.99 -0.88 22.17 0.165 3.000 100 0 21.99 -0.88 21.11 0.129 3.000 50 25 22.09 -0.88 21.11 0.129 3.000 50 25 22.09 -0.88 21.11 0.132 3.000 100 0 22.07 -0.88 21.10 0.131 3.000 100 0 22.07 -0.88 21.10 0.131 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.132 3.000 100 0 22.07 -0.88 21.10 0.131 3.000 100 0 22.07 -0.88 20.19 0.132 3.000				75	0	20.87	-0.88	19.99	0.100	3.000
A CAPSK Capsk Fig. 1 Fig. 2 Fi				1	0	22.3	-0.88	21.42	0.139	3.000
20 Carried Paris Carried P				1	50	22.83	-0.88	21.95	0.157	3.000
ALCH LCH 50 25 22.01 -0.88 21.13 0.130 3.000 50 50 21.92 -0.88 21.04 0.127 3.000 100 0 21.9 -0.88 21.02 0.126 3.000 1 0 21.72 -0.88 20.84 0.121 3.000 1 50 21.82 -0.88 20.94 0.124 3.000 1 99 21.46 -0.88 20.58 0.114 3.000 50 0 20.96 -0.88 20.08 0.102 3.000 50 25 21 -0.88 20.12 0.103 3.000 50 50 21.01 -0.88 20.12 0.103 3.000 50 50 21.01 -0.88 20.13 0.103 3.000 100 0 20.89 -0.88 20.01 0.100 3.000 1 0 22.93 -0.88 22.55 0.160 3.000 1 99 23.05 -0.88 22.17 0.165 3.000 1 99 23.05 -0.88 21.11 0.129 3.000 50 25 22.09 -0.88 21.11 0.132 3.000 50 50 22.04 -0.88 21.11 0.132 3.000 1 0 21.66 -0.88 20.78 0.120 3.000 1 50 22 -0.88 21.12 0.132 3.000 1 50 22 -0.88 21.12 0.132 3.000 1 50 22 -0.88 21.12 0.129 3.000 1 50 22 -0.88 21.12 0.129 3.000 1 50 22 -0.88 20.79 0.115 3.000 1 99 21.47 -0.88 20.59 0.115 3.000 50 0 21 -0.88 20.12 0.103 3.000 50 50 21.47 -0.88 20.59 0.115 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 1 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 21 -0.88 20.12 0.103 3.000 50 50 50 50 50 50 50				1	99	22.72	-0.88	21.84	0.153	3.000
20 LCH			QPSK	50	0	21.87	-0.88	20.99	0.126	3.000
ACH Change				50	25	22.01	-0.88	21.13	0.130	3.000
1 0 21.72 -0.88 20.84 0.121 3.000 1 50 21.82 -0.88 20.94 0.124 3.000 1 99 21.46 -0.88 20.58 0.114 3.000 50 0 20.96 -0.88 20.08 0.102 3.000 50 25 21 -0.88 20.12 0.103 3.000 100 0 20.89 -0.88 20.01 0.100 3.000 1 00 22.93 -0.88 22.05 0.160 3.000 1 00 22.93 -0.88 22.51 0.178 3.000 1 99 23.05 -0.88 22.17 0.165 3.000 1 99 23.05 -0.88 21.11 0.129 3.000 50 25 22.09 -0.88 21.11 0.129 3.000 50 25 22.09 -0.88 21.11 0.132 3.000 100 0 22.07 -0.88 21.16 0.131 3.000 100 0 22.07 -0.88 21.19 0.132 3.000 100 0 22.07 -0.88 21.12 0.129 3.000 100 0 22.07 -0.88 21.12 0.129 3.000 100 0 22.07 -0.88 21.12 0.132 3.000 100 0 21.66 -0.88 20.78 0.120 3.000 11 99 21.47 -0.88 20.59 0.115 3.000 50 0 21 -0.88 20.12 0.103 3.000				50	50	21.92	-0.88	21.04	0.127	3.000
1 0 21.72 -0.88 20.84 0.121 3.000 1 50 21.82 -0.88 20.94 0.124 3.000 1 99 21.46 -0.88 20.58 0.114 3.000 50 0 20.96 -0.88 20.08 0.102 3.000 50 25 21 -0.88 20.12 0.103 3.000 50 50 21.01 -0.88 20.13 0.103 3.000 100 0 20.89 -0.88 20.01 0.100 3.000 1 00 22.93 -0.88 22.05 0.160 3.000 1 50 23.39 -0.88 22.51 0.178 3.000 1 99 23.05 -0.88 22.17 0.165 3.000 50 25 22.09 -0.88 21.11 0.129 3.000 50 50 22.04 -0.88 21.11 0.129 3.000 50 50 22.04 -0.88 21.16 0.131 3.000 100 0 22.07 -0.88 21.19 0.132 3.000 1 0 21.66 -0.88 20.78 0.120 3.000 1 50 22 -0.88 21.12 0.129 3.000 1 50 21.47 -0.88 20.59 0.115 3.000 50 0 21 -0.88 20.59 0.115 3.000		ICH		100	0	21.9	-0.88	21.02	0.126	3.000
20		LCH		1	0	21.72	-0.88	20.84	0.121	3.000
20				1	50	21.82	-0.88	20.94	0.124	3.000
20 50 25 21 -0.88 20.12 0.103 3.000 50 50 21.01 -0.88 20.13 0.103 3.000 100 0 20.89 -0.88 20.01 0.100 3.000 1 0 22.93 -0.88 22.05 0.160 3.000 1 50 23.39 -0.88 22.51 0.178 3.000 1 99 23.05 -0.88 22.17 0.165 3.000 1 99 23.05 -0.88 21.11 0.129 3.000 50 25 22.09 -0.88 21.21 0.132 3.000 50 50 22.04 -0.88 21.16 0.131 3.000 1 0 21.66 -0.88 20.78 0.120 3.000 1 50 22 -0.88 21.12 0.129 3.000 1 50 22 -0.88 21.12 0.129 3.000 1 99 21.47 -0.88 20.59 0.115 3.000 50 0 21 -0.88 20.12 0.103 3.000 1 99 21.47 -0.88 20.12 0.103 3.000 1 99 21.47 -0.88 20.12 0.103 3.000 1 99 21.47 -0.88 20.12 0.103 3.000 1 99 21.47 -0.88 20.12 0.103 3.000 1 90 90 90 90 90 90 90				1	99	21.46	-0.88	20.58	0.114	3.000
20			Q16	50	0	20.96	-0.88	20.08	0.102	3.000
100 0 20.89 -0.88 20.01 0.100 3.000 1				50	25	21	-0.88	20.12	0.103	3.000
MCH 100 0 20.89 -0.88 20.01 0.100 3.000 1	20			50	50	21.01	-0.88	20.13	0.103	3.000
MCH 1 50 23.39 -0.88 22.51 0.178 3.000 1 99 23.05 -0.88 22.17 0.165 3.000 50 0 21.99 -0.88 21.11 0.129 3.000 50 25 22.09 -0.88 21.21 0.132 3.000 50 50 22.04 -0.88 21.16 0.131 3.000 100 0 22.07 -0.88 21.19 0.132 3.000 1 0 21.66 -0.88 20.78 0.120 3.000 1 50 22 -0.88 21.12 0.129 3.000 Q16 1 99 21.47 -0.88 20.59 0.115 3.000 50 0 21 -0.88 20.12 0.103 3.000	20			100	0	20.89	-0.88	20.01	0.100	3.000
MCH QPSK 50 0 21.99 -0.88 21.11 0.129 3.000 50 25 22.09 -0.88 21.21 0.132 3.000 50 50 50 22.04 -0.88 21.16 0.131 3.000 100 0 22.07 -0.88 21.19 0.132 3.000 1 0 21.66 -0.88 20.78 0.120 3.000 1 50 22 -0.88 21.12 0.129 3.000 1 50 21.47 -0.88 20.59 0.115 3.000 50 0 21 -0.88 20.12 0.103 3.000				1	0	22.93	-0.88	22.05	0.160	3.000
MCH				1	50	23.39	-0.88	22.51	0.178	3.000
MCH				1	99	23.05	-0.88	22.17	0.165	3.000
MCH			QPSK	50	0	21.99	-0.88	21.11	0.129	3.000
MCH 100 0 22.07 -0.88 21.19 0.132 3.000 1 0 21.66 -0.88 20.78 0.120 3.000 1 50 22 -0.88 21.12 0.129 3.000 21.47 -0.88 20.59 0.115 3.000 50 0 21 -0.88 20.12 0.103 3.000				50	25	22.09	-0.88	21.21	0.132	3.000
100 0 22.07 -0.88 21.19 0.132 3.000 1 0 21.66 -0.88 20.78 0.120 3.000 1 50 22 -0.88 21.12 0.129 3.000 Q16 1 99 21.47 -0.88 20.59 0.115 3.000 50 0 21 -0.88 20.12 0.103 3.000				50	50	22.04	-0.88	21.16	0.131	3.000
Q16 1 50 22 -0.88 21.12 0.129 3.000 1 99 21.47 -0.88 20.59 0.115 3.000 50 0 21 -0.88 20.12 0.103 3.000			100	0	22.07	-0.88	21.19	0.132	3.000	
Q16 1 99 21.47 -0.88 20.59 0.115 3.000 50 0 21 -0.88 20.12 0.103 3.000				1	0	21.66	-0.88	20.78	0.120	3.000
50 0 21 -0.88 20.12 0.103 3.000				1	50	22	-0.88	21.12	0.129	3.000
			Q16	1	99	21.47	-0.88	20.59	0.115	3.000
50 25 21.09 -0.88 20.21 0.105 3.000				50	0	21	-0.88	20.12	0.103	3.000
				50	25	21.09	-0.88	20.21	0.105	3.000

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2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn







		50	50	20.93	-0.88	20.05	0.101	3.000
		100	0	20.94	-0.88	20.06	0.101	3.000
		1	0	22.54	-0.88	21.66	0.147	3.000
		1	50	23.43	-0.88	22.55	0.180	3.000
		1	99	22.88	-0.88	22.00	0.158	3.000
	QPSK	50	0	21.97	-0.88	21.09	0.129	3.000
		50	25	22.04	-0.88	21.16	0.131	3.000
		50	50	22.02	-0.88	21.14	0.130	3.000
ПСП		100	0	22	-0.88	21.12	0.129	3.000
HCH		1	0	21.47	-0.88	20.59	0.115	3.000
		1	50	22.49	-0.88	21.61	0.145	3.000
		1	99	21.27	-0.88	20.39	0.109	3.000
	Q16	50	0	20.82	-0.88	19.94	0.099	3.000
		50	25	20.99	-0.88	20.11	0.103	3.000
		50	50	20.86	-0.88	19.98	0.100	3.000
		100	0	20.86	-0.88	19.98	0.100	3.000



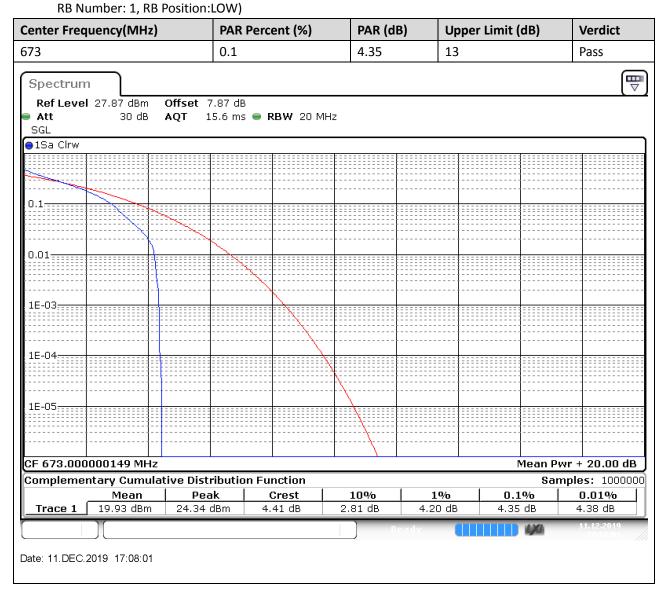


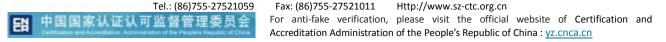


Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:133222, Bandwidth:20, Modulation:QPSK,







CD

2.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:133222, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

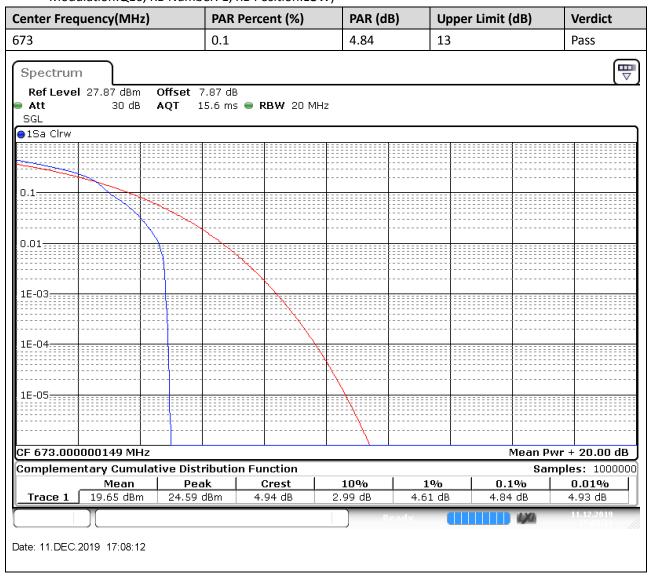
Center Frequency(MHz)	PAR	Percent (%)	PAR (d	В) Ирре	er Limit (dB)	Verdict
673	0.1		4.87	13		Pass
Spectrum						
	Offset 7.87 dE AQT 15.6 ms	B 5 ● RBW 20 MF	łz			
●1Sa Clrw						
0.01	\\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\					
1E-03:						
1E-04						
1E-05						
CF 673.000000149 MHz			\\		Moan D	wr + 20.00 dB
Complementary Cumula	tive Distributio	n Function				nples: 1000000
Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1 21.14 dBm	26.87 dBm	5.73 dB	2.49 dB	4.17 dB	4.87 dB	5.28 dB
Date: 11.DEC.2019 17:08:06			R	e a dy 🚺	1/4	11.12.2019 17:09:06







2.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:133222, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



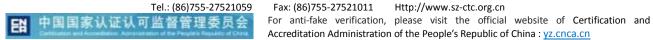






2.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:133222, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

1E-04	
Ref Level 27.87 dBm Offset 7.87 dB Att 30 dB AQT 15.6 ms RBW 20 MHz SGL SGL SGL SGL SGL SGL SGL SG	Pass
Ref Level 27.87 dBm Offset 7.87 dB Att 30 dB AQT 15.6 ms RBW 20 MHz SGL ISa Clrw 0.1 0.1 1E-03 IE-04 IE-05 IE-05 IE-07 IE-07 IE-08 Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	6
Att 30 dB AQT 15.6 ms RBW 20 MHz SGL 15a Cirw 0.1 0.1 1E-03- 1E-04- 1E-05- 0F 673.000000149 MHz Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
SGL 15a Clrw 0.1 0.01 1E-03 1E-04 1E-05 1E-05 1E-05 Mean Peak Crest 10% 1% 0.1%	
15a Cirw 0.1 0.1 1E-03 1E-04 1E-05 1E-05 1E-05 Mean Peak Crest 10% 1% 0.1%	
1E-03 1E-04 1E-05 1E-05 CF 673.000000149 MHz Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
1E-03 1E-04 1E-05 3F 673.000000149 MHz Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
1E-03 1E-04 1E-05 3F 673.000000149 MHz Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
1E-03 1E-04 1E-05 CF 673.000000149 MHz Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
1E-03	
1E-03	
1E-03	
1E-03	
1E-04	
1E-04	
1E-04	
1E-04	
1E-05	
1E-05 CF 673.000000149 MHz Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
1E-05 CF 673.000000149 MHz Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
CF 673.000000149 MHz Me Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
CF 673.000000149 MHz Me Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
CF 673.000000149 MHz Me Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
CF 673.000000149 MHz Me Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	:
Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
Complementary Cumulative Distribution Function Mean Peak Crest 10% 1% 0.1%	
Mean Peak Crest 10% 1% 0.1%	lean Pwr + 20.00 di
	Samples: 10000
Trace 1 20.26 dBm 27.14 dBm 6.88 dB 3.10 dB 5.04 dB 6.00 d	
	dB 6.46 dB
Ready	11.12.2019
	17:08:16
rate: 11.DEC.2019 17:08:17	

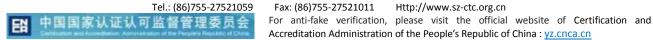






2.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:133297, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
680.5	0.1	4.55	13	Pass
Spectrum				
Ref Level 27.89 dBm Offs ● Att 30 dB AQT SGL	et 7.89 dB ⊂ 15.6 ms ⊜ RBW 20 M	Hz		
●1Sa Clrw				
0.01				
1E-03				
1E-04				
1E-05				
CF 680.500000261 MHz		1 \ 1	Mean I	
Complementary Cumulative	Distribution Function		Sá	mples: 1000000
Mean	Peak Crest	10%	1% 0.1%	0.01%
Trace 1 20.46 dBm 25	5.05 dBm 4.60 dB	2.81 dB Ready	4.41 dB 4.55 dB	4.58 dB 11.12.2019
Date: 11.DEC.2019 17:08:25				







2.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:133297, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

SGL •1Sa Clrw		■ RBW 20 MI	4.87	13		Pass
Ref Level 27.89 dBm Of Att 30 dB A(SGL) 1Sa Clrw				·		∇
Att 30 dB A(SGL)1Sa Clrw						
SGL •1Sa Clrw	QT 15.6 ms	● RBW 20 MI	Hz			
1Sa Clrw						
0.1						
0.01						
1E-03	<u> </u>					
1E-04			\			
	}					
1E-05						
CF 680.500000261 MHz					Monn D	wr + 20.00 dB
Complementary Cumulativ	ve Distributio	n Function				mples: 100000
Mean	Peak	Crest	10%	1%	0.1%	0.01%
	27.01 dBm	5.71 dB	2.43 dB	4.20 dB	4.87 dB	5.30 dB
			R	eady (120	11.12.2019 17:08:30

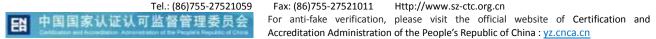






2.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:133297, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Pe	ercent (%)	PAR (d	B) Upp	per Limit (dB)	Verdict
680.5	0.1		5.54	13		Pass
Spectrum						
Ref Level 27.89 dBm Offs ■ Att 30 dB AQT SGL		■ RBW 20 MHz				
●1Sa Clrw						
0.1						
0.01						
1E-03						
1E-04 						
15.05			<u> </u>			
1E-05						
CF 680.500000261 MHz			\	l l	Mean Pv	vr + 20.00 dB
Complementary Cumulative	Distribution	Function				ples: 1000000
Mean	Peak	Crest	10%	1%	0.1%	0.01%
	1.98 dBm	5.63 dB	3.04 dB	5.22 dB	5.54 dB	5.62 dB
			R	eady	111111111111111111111111111111111111111	11.12.2019 17:08:35
Date: 11.DEC.2019 17:08:36						







2.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:133297, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

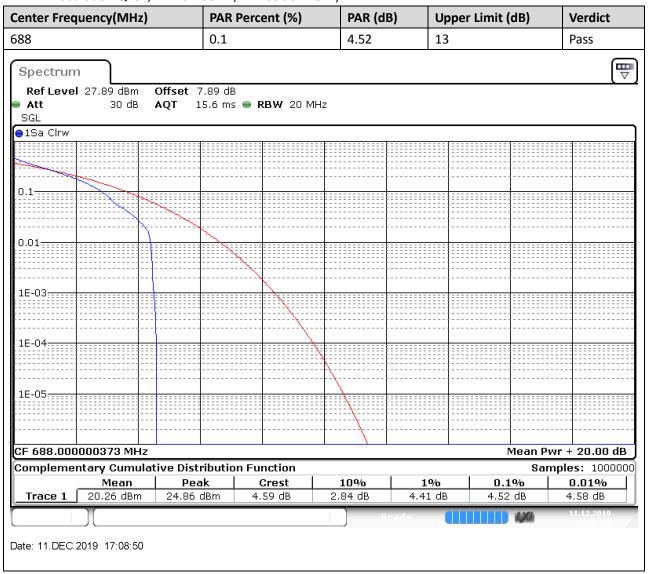
•	uency(MHz)		PAR Percent (%)	PAR (d		r Limit (dB)	Verdict
80.5		(0.1	6	13		Pass
Spectrum							Œ
-							√)
	27.89 dBm						
Att SGL	30 dB	AQT 15.	6 ms 👄 RBW 20 M	HZ			
●1Sa Clrw							
0.1							
	:::::::::::::::::::::::::::::::::::::::						
					·		
0.01		====					
		:::::::::::::::::::::::::::::::::::::::			t		
		Λ					
1E-03							
1E-04			\				
				Y			
				::\:::::::::			
					·		
1E-05				 			
:h				:::::::::::::::::::::::::::::::::::::::	<u> </u>		
	000261 MHz						wr + 20.00 dB
Complemen			ution Function				mples: 100000
-	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	20.24 dBm	27.11 dB	m 6.87 dB	3.07 dB	5.07 dB	6.00 dB	6.52 dB
	T				eady	130	11.12.2019
Date: 11.DEC.2	2019 17:08:41						







2.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:133372, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)





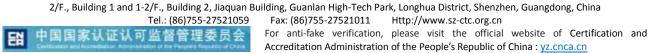




2.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:133372, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

SGL 1Sa Clrw 0.1	0.1 .89 dB 5.6 ms • RBW 20 MHz	4.9	13		Pass
Ref Level 27.89 dBm Offset 7 Att 30 dB AQT 1 SGL 1Sa Cirw 0.1					
Ref Level 27.89 dBm Offset 7 Att 30 dB AQT 1 SGL 1Sa Cirw 0.1					
Att 30 dB AQT 1 SGL 1Sa Clrw 0.1					
SGL 1Sa Clrw 0.1	5.6 ms • RBW 2U MHZ				
1Sa Clrw 0.1					
0.01					
0.01					
0.01					
U.U1	Section 1				
·····/					
1E-03					
1E-03					
·\\\					
\					
1E-04					
· · · · · · · · · · · · · · · · · · ·					
		/			
1E-05					
F 688.000000373 MHz	<u> </u>	(vr + 20.00 dB
Complementary Cumulative Distr					ples: 100000
<u>Mean</u> Pea		10%	1%	0.1%	0.01%
Trace 1 21.26 dBm 26.97 d	iBm 5.71 dB 2	2.43 dB	4.23 dB	4.90 dB	5.36 dB
		Rea	adv	W	11.12.2019
			4		
ate: 11.DEC.2019 17:08:55					
ALC. 11.DEC.2010 17.00.00					

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2.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:133372, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

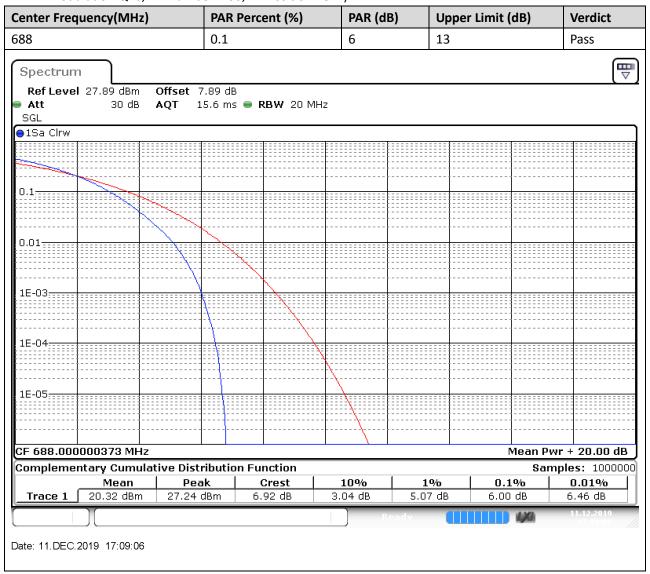
		PAR Percent (%)	PAR (d	b) Oppe	r Limit (dB)	Verdict
88		0.1	5.45	13		Pass
Spectrum Ref Level 27.89 o	dBm Offset	7.89 dB				∇
Att 30	dB AQT :	l5.6 ms ⊜ RBW 20↑	ИНZ			
∍1Sa Clrw						
0.1						
0.01						
0.01						
1E-03						
1E-04						
1E-05						
CF 688.000000373						wr + 20.00 dB
Complementary Cu Mea			10%	1%	Sa 0.1%	mples: 100000 0.01%
Trace 1 19.44			3.13 dB	5.30 dB	5.45 dB	5.51 dB
			P	eady I	124	11.12.2019 17:09:01







2.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:133372, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)







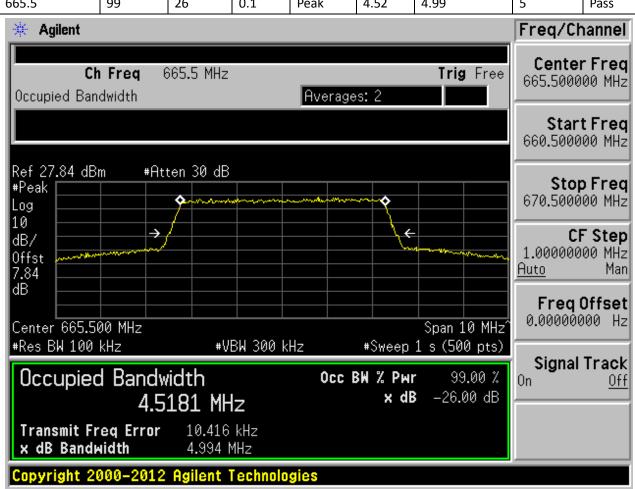


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

2.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:133147, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
665.5	99	26	0.1	Peak	4.52	4.99	5	Pass



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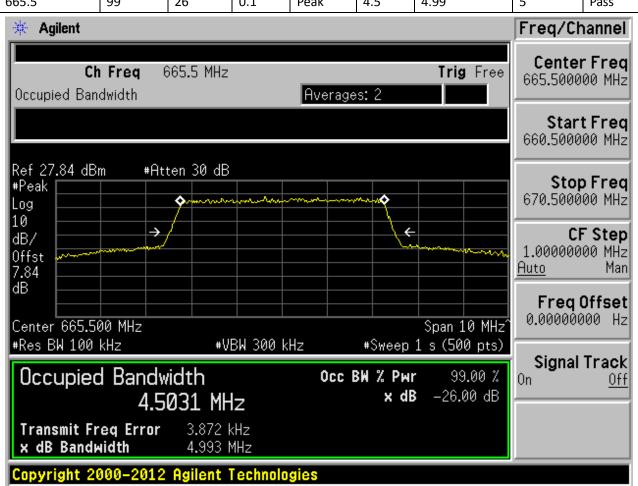






2.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:133147, Bandwidth:5, Modulation:Q16, RB Number: 25. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
665.5	99	26	0.1	Peak	4.5	4.99	5	Pass



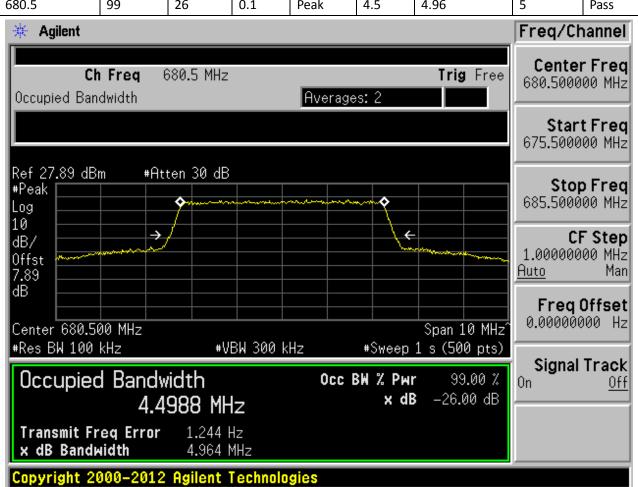






2.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:133297, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.1	Peak	4.5	4.96	5	Pass



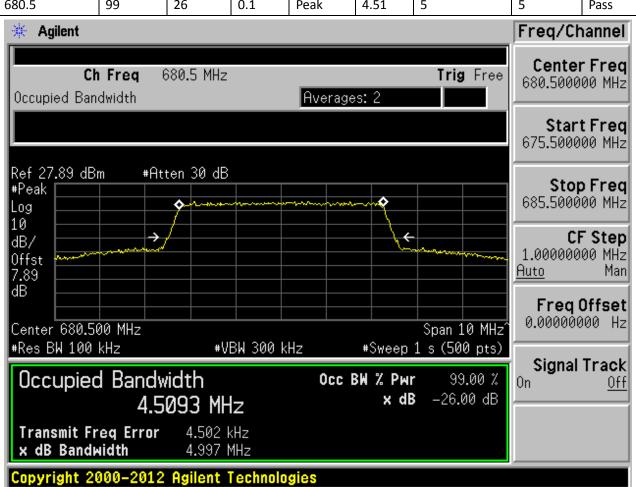






2.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:133297, Bandwidth:5, Modulation:Q16, RB Number: 25. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.1	Peak	4.51	5	5	Pass



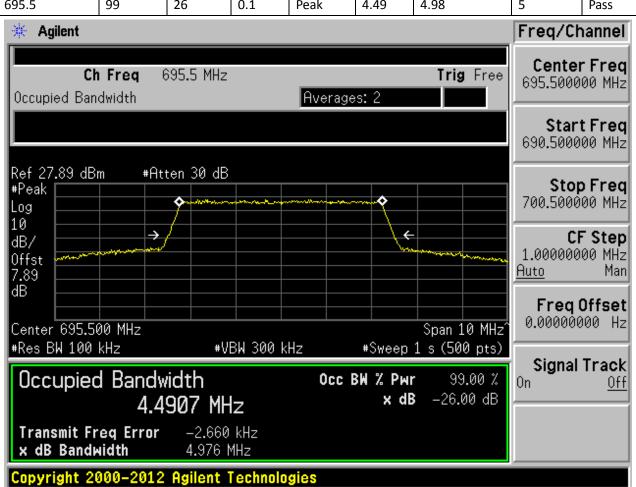






2.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number: 25. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
695.5	99	26	0.1	Peak	4.49	4.98	5	Pass



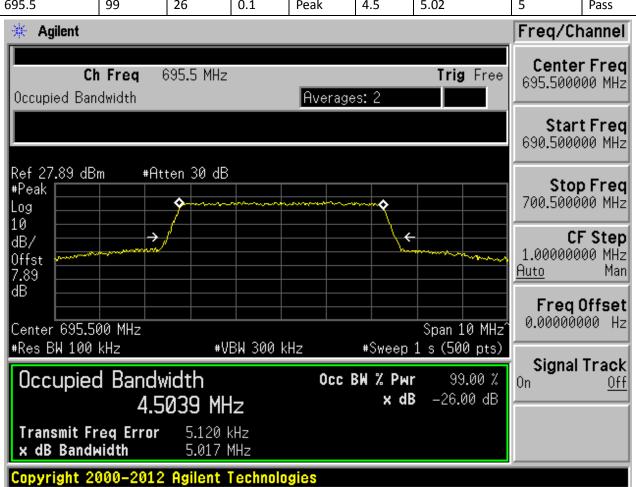






2.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:133447, Bandwidth:5, Modulation:Q16, RB Number: 25. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
695.5	99	26	0.1	Peak	4.5	5.02	5	Pass

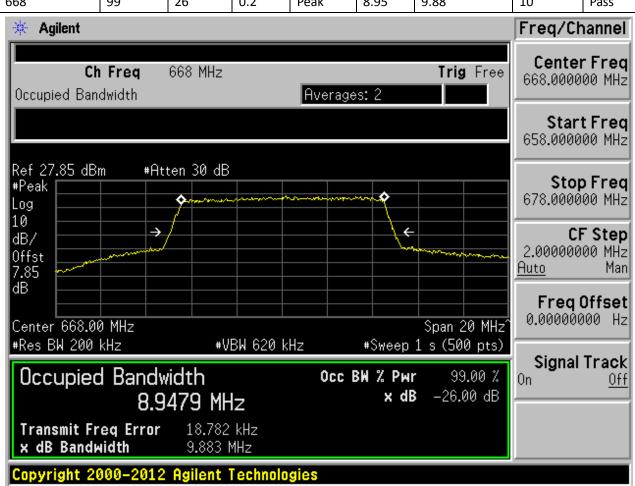




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2.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:133172, Bandwidth:10, Modulation:QPSK. RB Number: 50. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
668	99	26	0.2	Peak	8.95	9.88	10	Pass



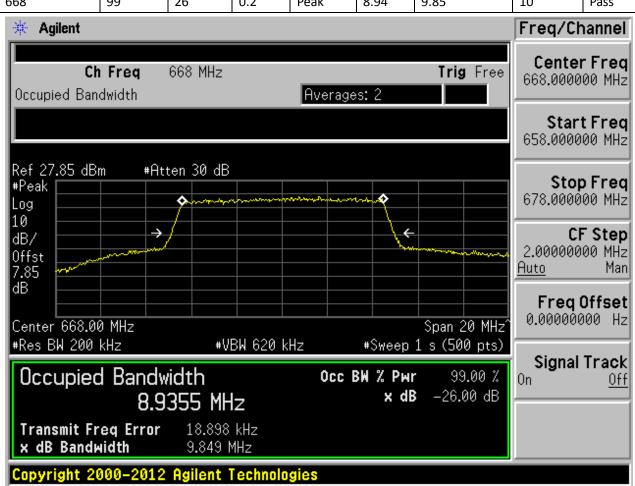






2.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:133172, Bandwidth:10, Modulation:Q16, RB Number: 50. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
668	99	26	0.2	Peak	8.94	9.85	10	Pass



For anti-fake verification, please visit the official website of Certification and





CD

2.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:133297, Bandwidth:10, Modulation:QPSK. RB Number: 50. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.2	Peak	8.93	9.85	10	Pass



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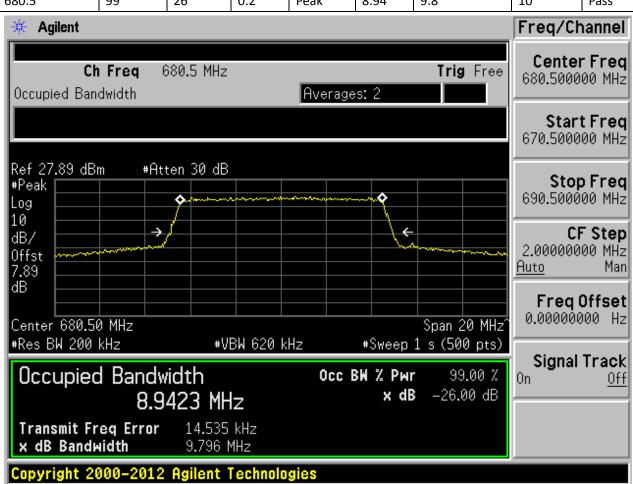






2.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:133297, Bandwidth:10, Modulation:Q16. RB Number: 50. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.2	Peak	8.94	9.8	10	Pass



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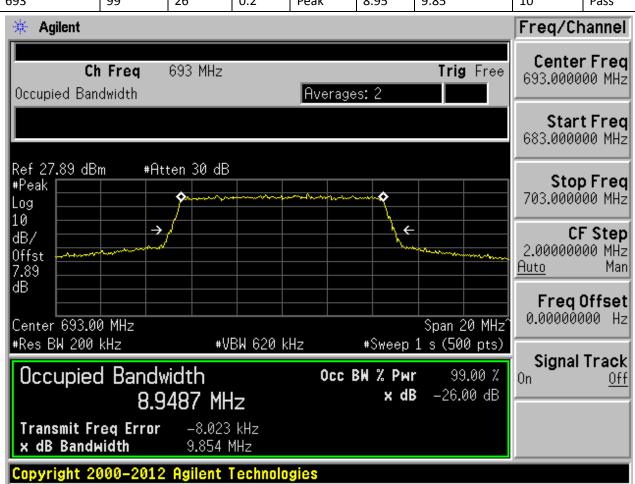


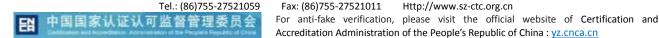




2.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:133422, Bandwidth:10, Modulation:QPSK. RB Number: 50. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
693	99	26	0.2	Peak	8.95	9.85	10	Pass



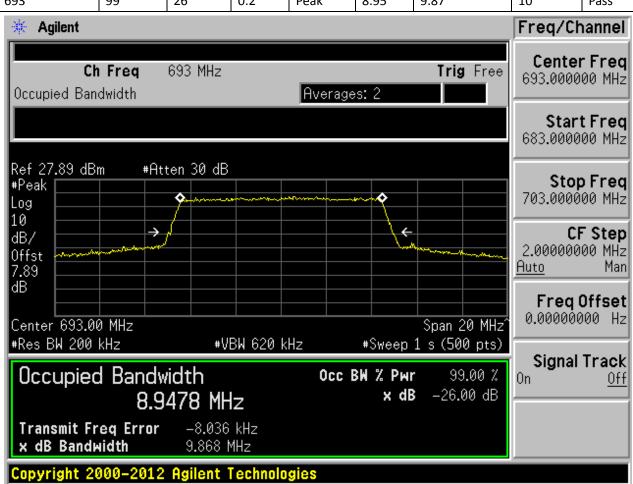






2.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:133422, Bandwidth:10, Modulation:Q16. RB Number: 50. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
693	99	26	0.2	Peak	8.95	9.87	10	Pass



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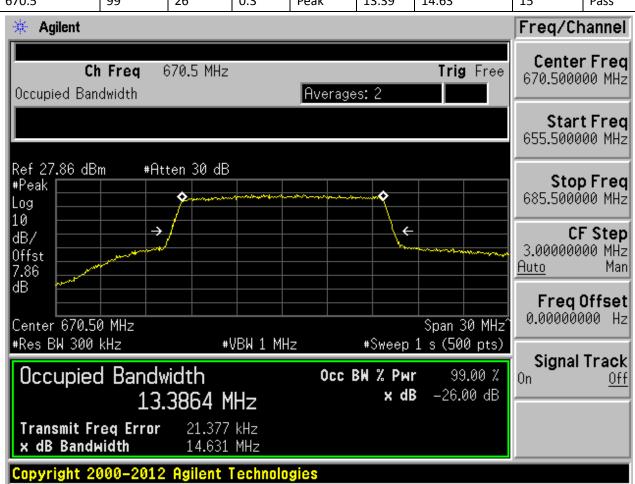
2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn





2.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:133197, Bandwidth:15, Modulation:QPSK. RB Number: 75. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
670.5	99	26	0.3	Peak	13.39	14.63	15	Pass



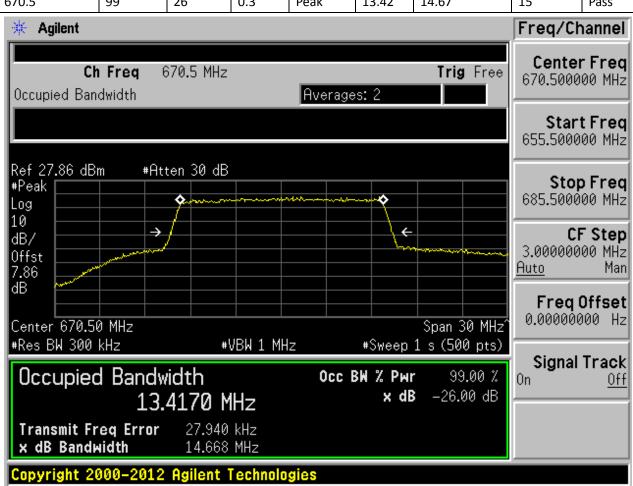






2.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:133197, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
670.5	99	26	0.3	Peak	13.42	14.67	15	Pass



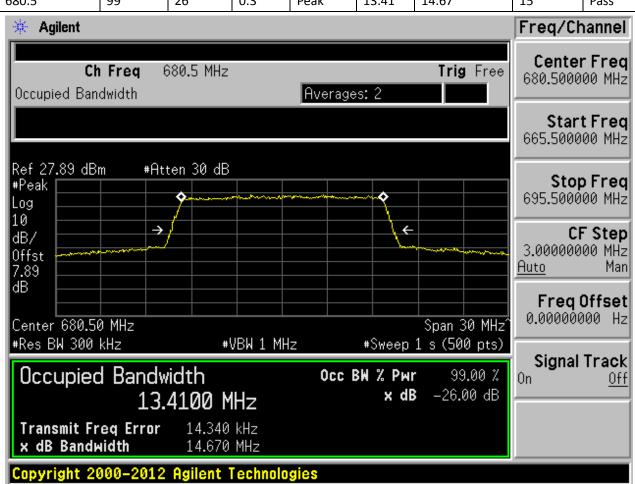


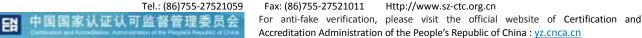




Channel:133297, Bandwidth:15, 2.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Modulation: QPSK. RB Number: 75. RB Position: LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.3	Peak	13.41	14.67	15	Pass





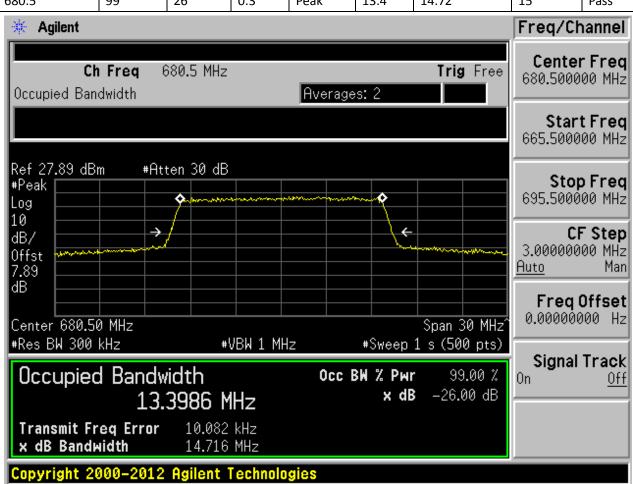






2.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:133297, Bandwidth:15, Modulation:Q16. RB Number: 75. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.3	Peak	13.4	14.72	15	Pass

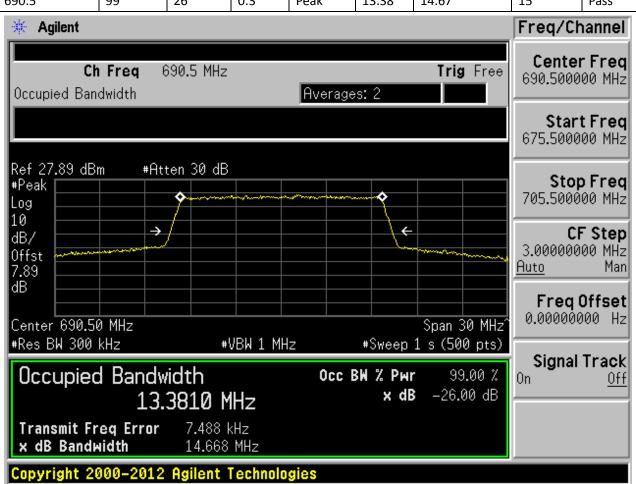




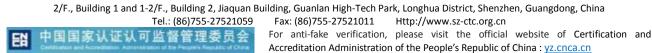


Channel:133397, Bandwidth:15, 2.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Modulation: QPSK, RB Number: 75, RB Position: LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
690.5	99	26	0.3	Peak	13.38	14.67	15	Pass



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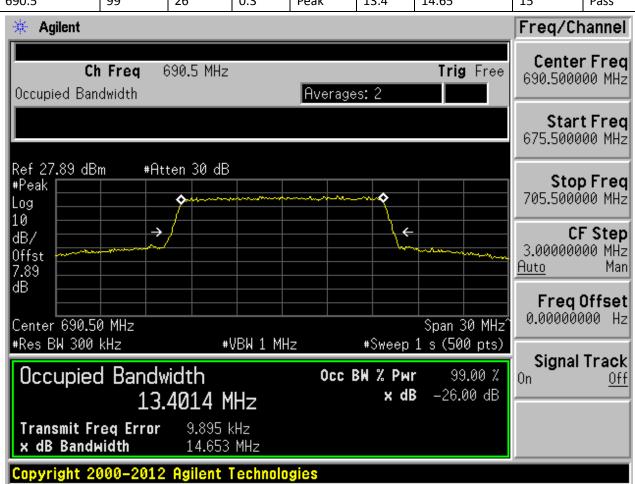






2.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:133397, Bandwidth:15, Modulation:Q16. RB Number: 75. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
690.5	99	26	0.3	Peak	13.4	14.65	15	Pass



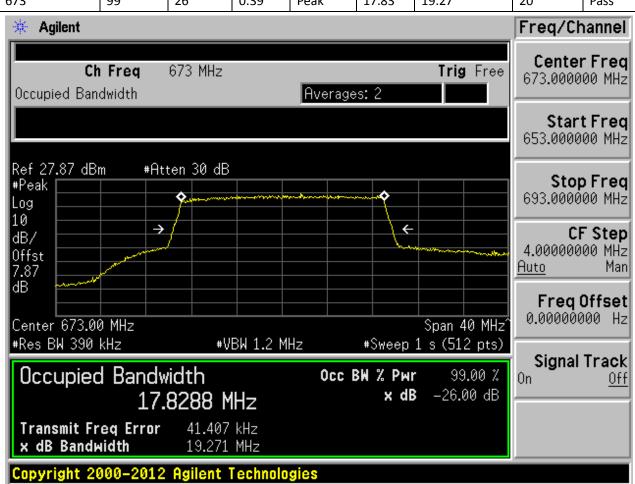






2.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:133222, Bandwidth:20, Modulation:QPSK. RB Number: 100. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
673	99	26	0.39	Peak	17.83	19.27	20	Pass



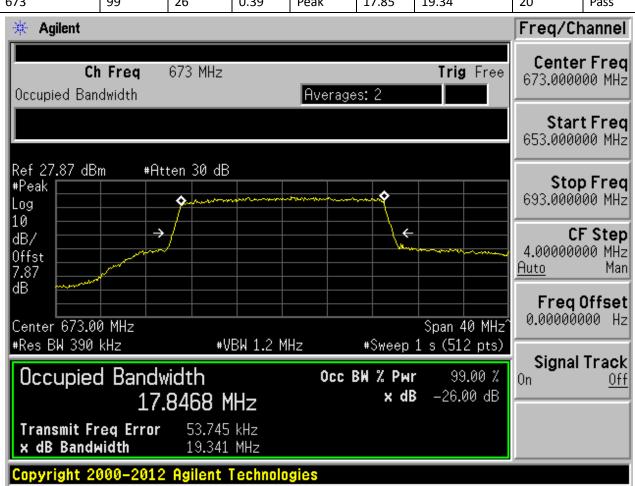






2.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:133222, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
673	99	26	0.39	Peak	17.85	19.34	20	Pass



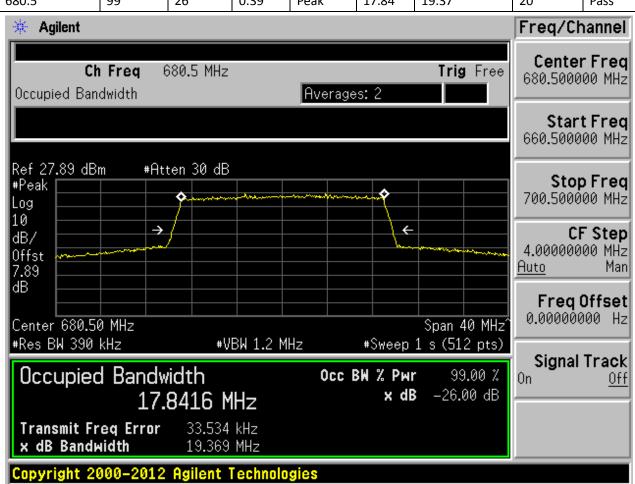






2.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:133297, Bandwidth:20, Modulation:QPSK. RB Number: 100. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.39	Peak	17.84	19.37	20	Pass



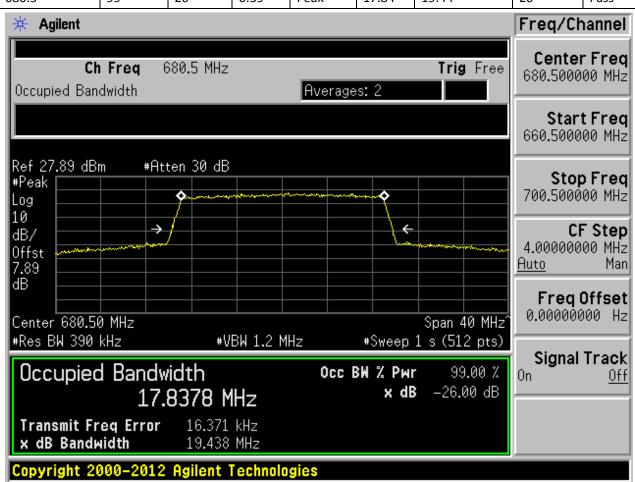






2.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:133297, Bandwidth:20, Modulation:Q16. RB Number: 100. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.39	Peak	17.84	19.44	20	Pass



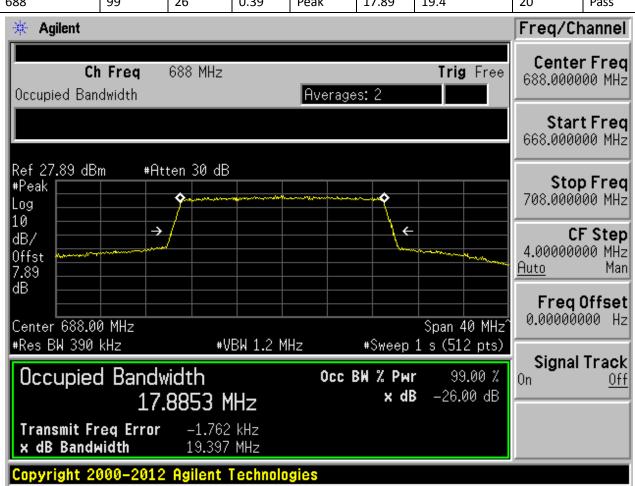






2.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:133372, Bandwidth:20, Modulation:QPSK. RB Number: 100. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
688	99	26	0.39	Peak	17.89	19.4	20	Pass



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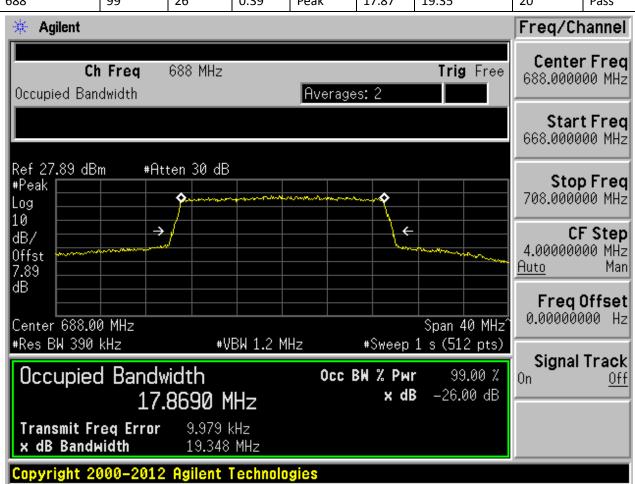






2.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:133372, Bandwidth:20, Modulation:Q16. RB Number: 100. RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
688	99	26	0.39	Peak	17.87	19.35	20	Pass







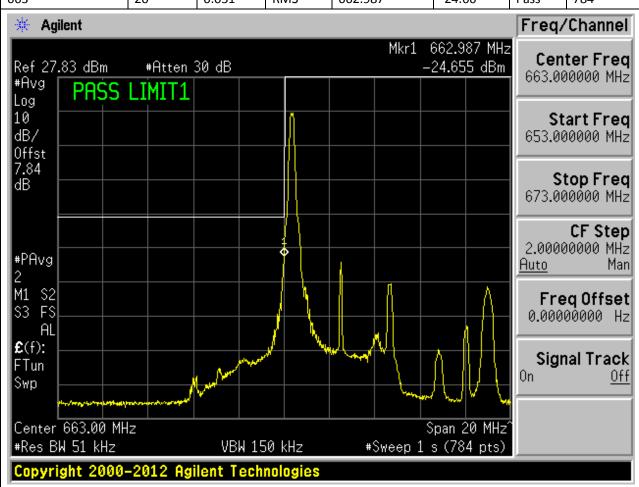


Appendix D: Band Edge

Test Result

2.1. LTE Band Edge(NTNV)(Subtest:1, Channel:133147, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663	20	0.051	RMS	662.987	-24.66	Pass	784
Avilant Erog /Channal							





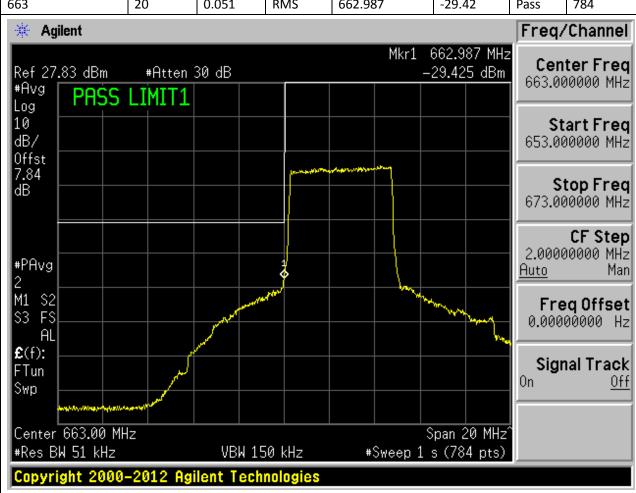






2.2. LTE Band Edge(NTNV)(Subtest:2, Channel:133147, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

	Frequency	Span	RBW	Detector	Frequency	Power	Verdict	Sweep
(MHz)		(MHz)	(MHz)		(MHz)	(dBm)		Point
663		20	0.051	RMS	662.987	-29.42	Pass	784



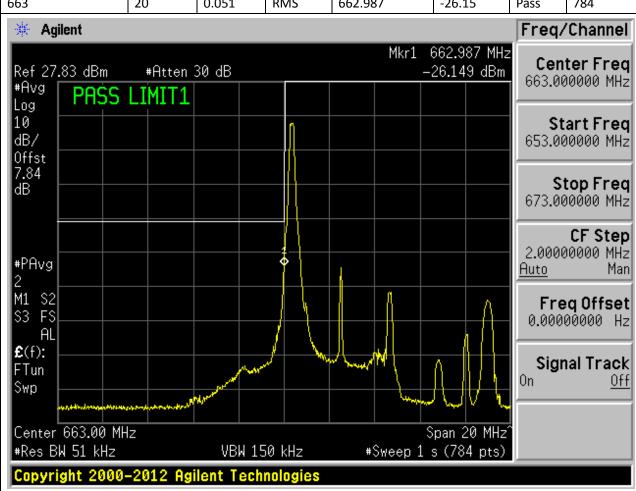






2.3. LTE Band Edge(NTNV)(Subtest:3, Channel:133147, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

			,					
Center	Frequency	Span	RBW	Datastas	Frequency	Power	\/o udiat	Sweep
(MHz)		(MHz)	(MHz)	Detector	(MHz)	(dBm)	Verdict	Point
663		20	0.051	RMS	662.987	-26.15	Pass	784



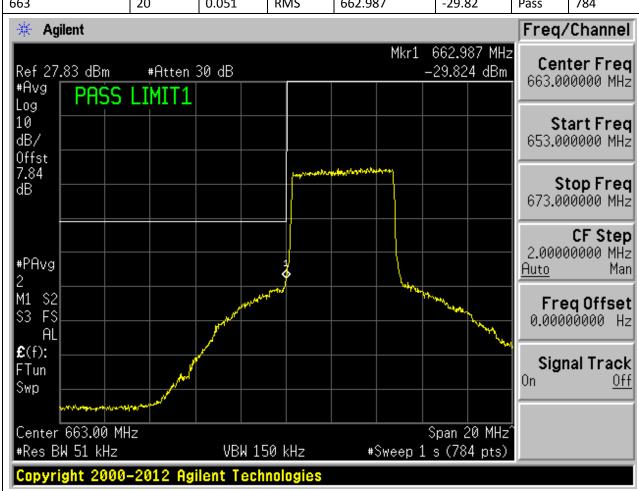






2.4. LTE Band Edge(NTNV)(Subtest:4, Channel:133147, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663	20	0.051	RMS	662.987	-29.82	Pass	784



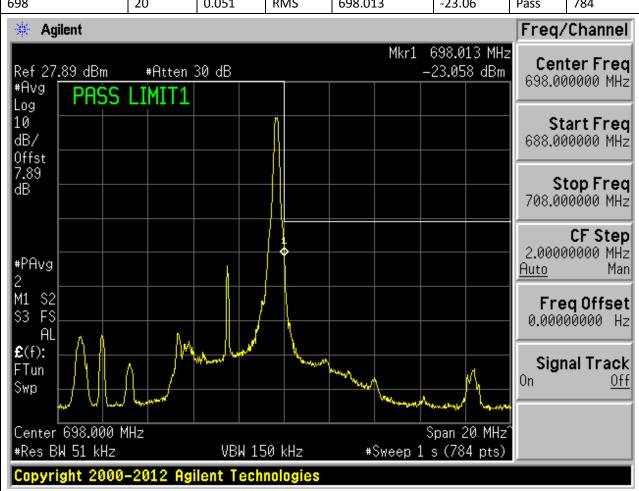






2.5. LTE Band Edge(NTNV)(Subtest:5, Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	20	0.051	RMS	698.013	-23.06	Pass	784



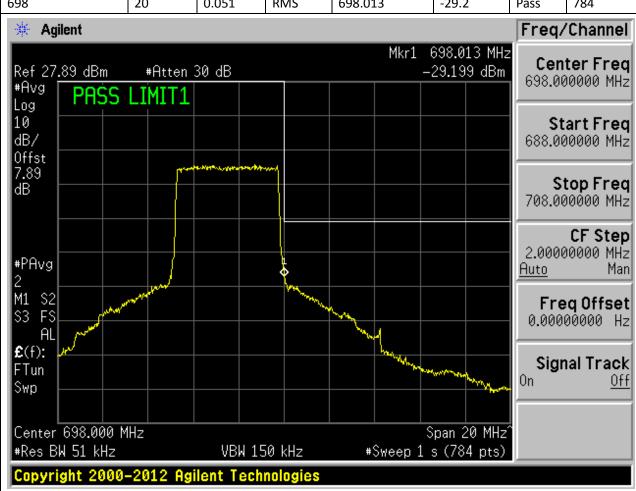






2.6. LTE Band Edge(NTNV)(Subtest:6, Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	20	0.051	RMS	698.013	-29.2	Pass	784



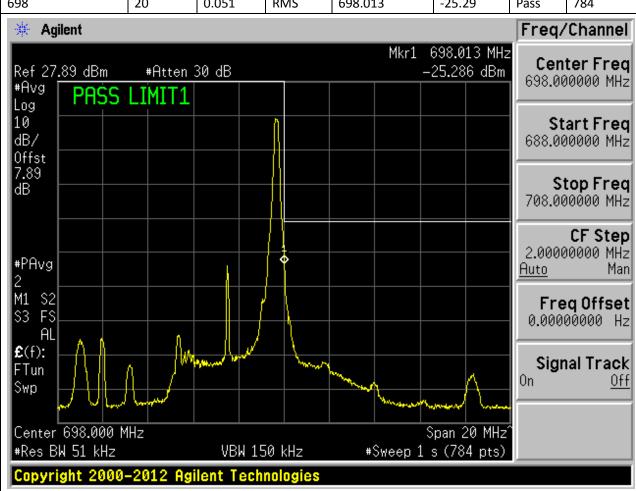






2.7. LTE Band Edge(NTNV)(Subtest:7, Channel:133447, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	20	0.051	RMS	698.013	-25.29	Pass	784



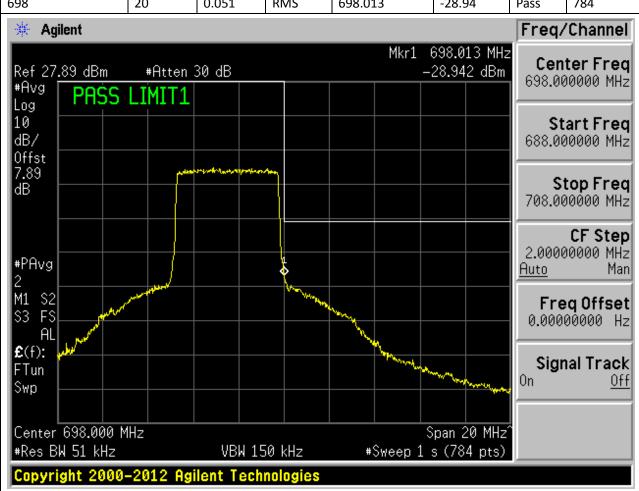






2.8. LTE Band Edge(NTNV)(Subtest:8, Channel:133447, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	20	0.051	RMS	698.013	-28.94	Pass	784



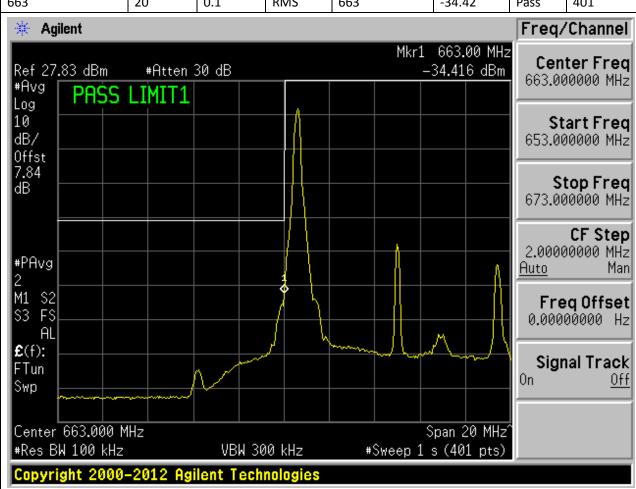






2.9. LTE Band Edge(NTNV)(Subtest:9, Channel:133172, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663	20	0.1	RMS	663	-34.42	Pass	401



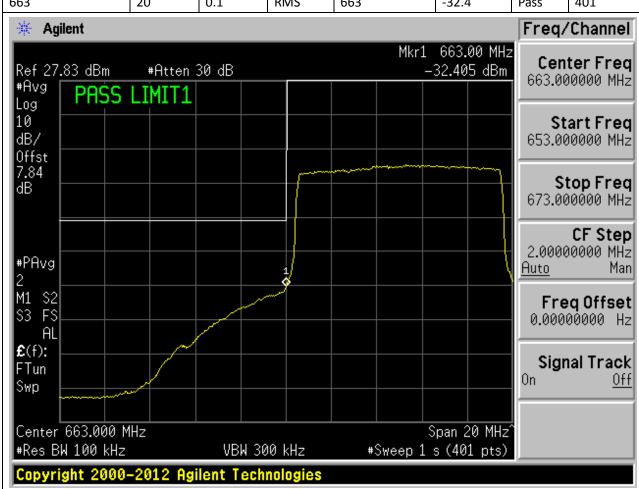






2.10. LTE Band Edge(NTNV)(Subtest:10, Channel:133172, Bandwidth:10, Modulation:QPSK, RB Number: 50. RB Position:LOW)

Center (MHz)	Frequency	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663		20	0.1	RMS	663	-32.4	Pass	401



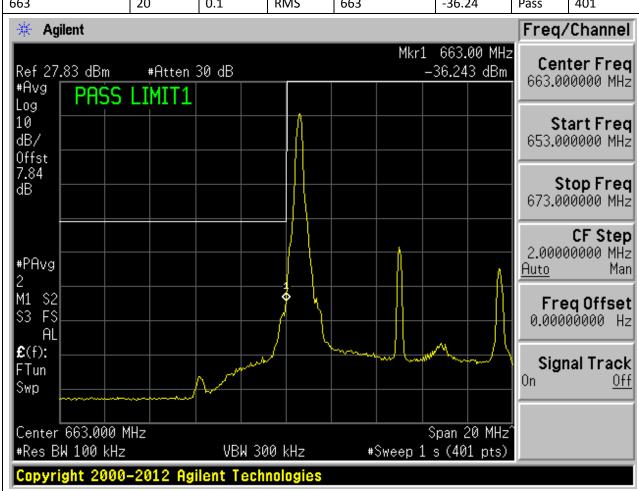






2.11. LTE Band Edge(NTNV)(Subtest:11, Channel:133172, Bandwidth:10, Modulation:Q16, RB Number: 1. RB Position:LOW)

Center (MHz)	Frequency	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
(IVIIIZ)		(IVITIZ)	(IVIIIZ)		(IVIIIZ)	(ubiii)		PUIIL
663		20	0.1	RMS	663	-36.24	Pass	401



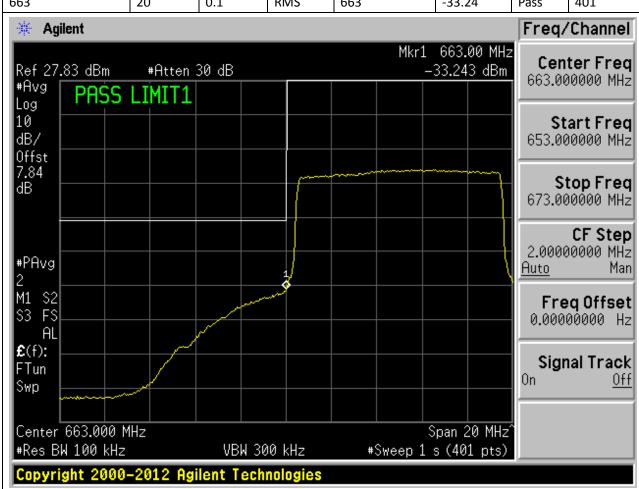






2.12. LTE Band Edge(NTNV)(Subtest:12, Channel:133172, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663	20	0.1	RMS	663	-33.24	Pass	401



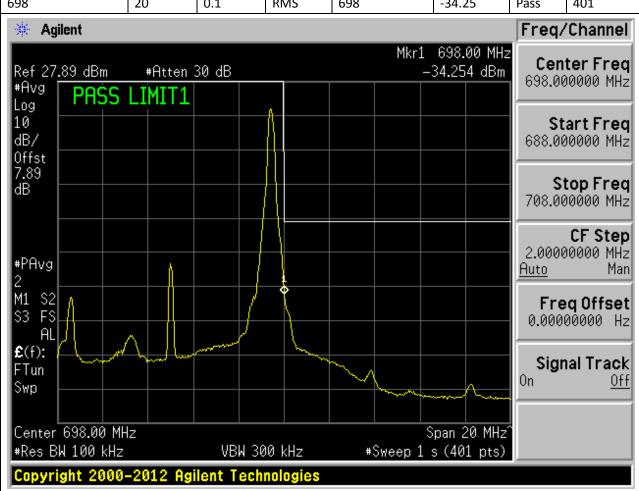






2.13. LTE Band Edge(NTNV)(Subtest:13, Channel:133422, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	20	0.1	RMS	698	-34.25	Pass	401



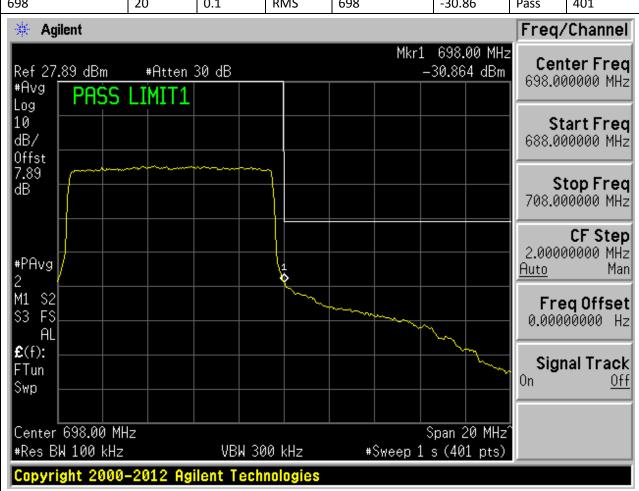






2.14. LTE Band Edge(NTNV)(Subtest:14, Channel:133422, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	20	0.1	RMS	698	-30.86	Pass	401



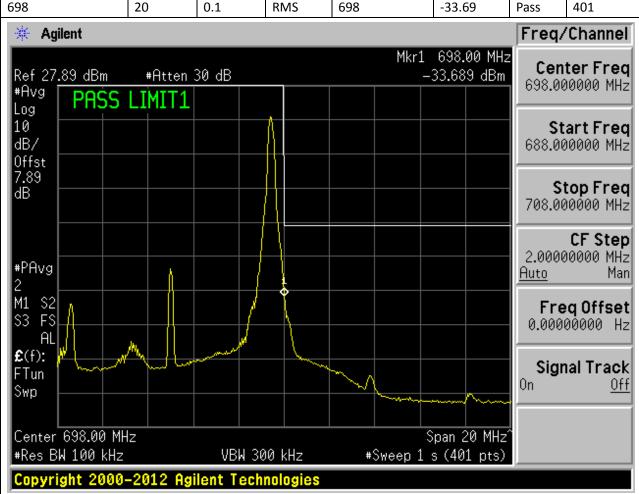






2.15. LTE Band Edge(NTNV)(Subtest:15, Channel:133422, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	20	0.1	RMS	698	-33.69	Pass	401



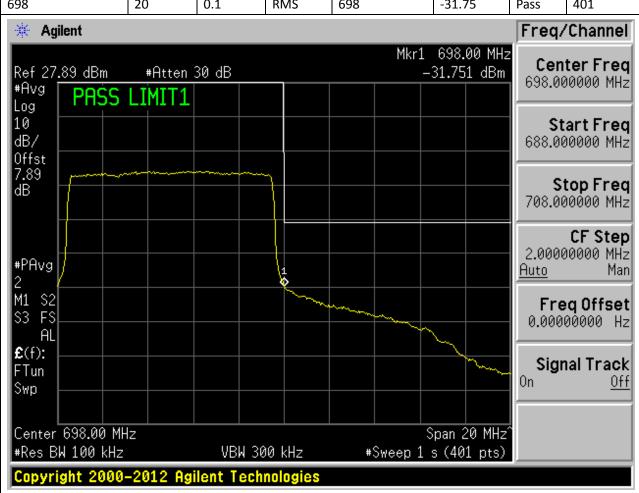






2.16. LTE Band Edge(NTNV)(Subtest:16, Channel:133422, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:HIGH)

Center (MHz)	Frequency	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698		20	0.1	RMS	698	-31.75	Pass	401



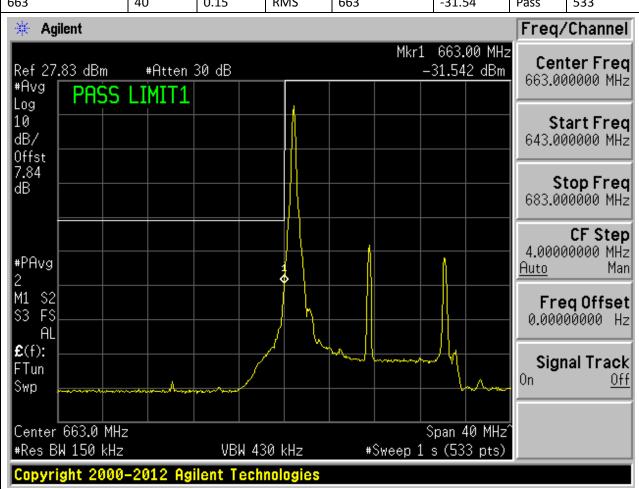






2.17. LTE Band Edge(NTNV)(Subtest:17, Channel:133197, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663	40	0.15	RMS	663	-31.54	Pass	533



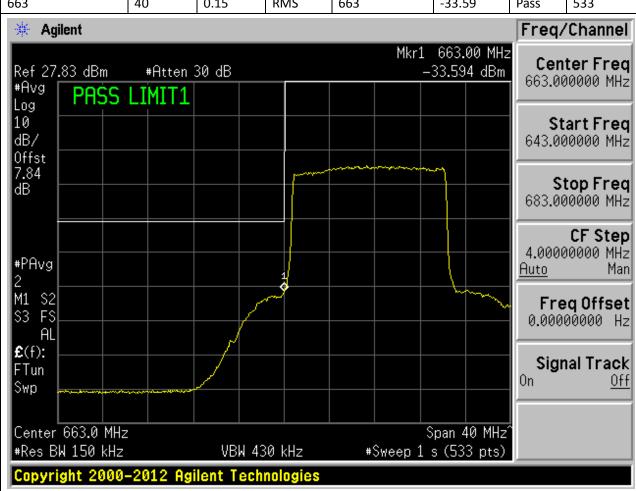






2.18. LTE Band Edge(NTNV)(Subtest:18, Channel:133197, Bandwidth:15, Modulation:QPSK, RB Number: 75. RB Position:LOW)

Center (MHz)	Frequency	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663		40	0.15	RMS	663	-33.59	Pass	533



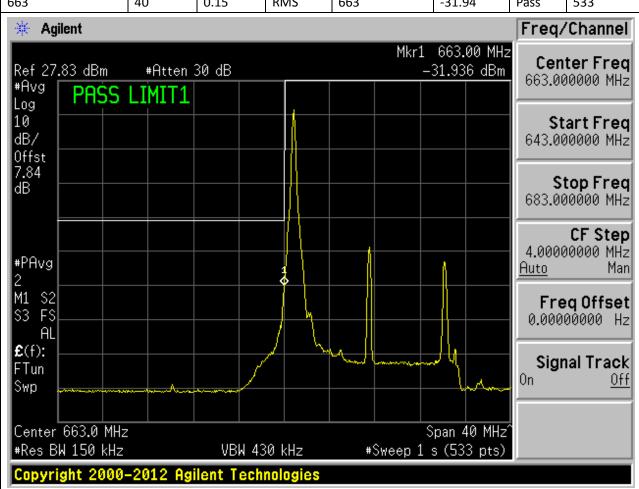






2.19. LTE Band Edge(NTNV)(Subtest:19, Channel:133197, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663	40	0.15	RMS	663	-31.94	Pass	533



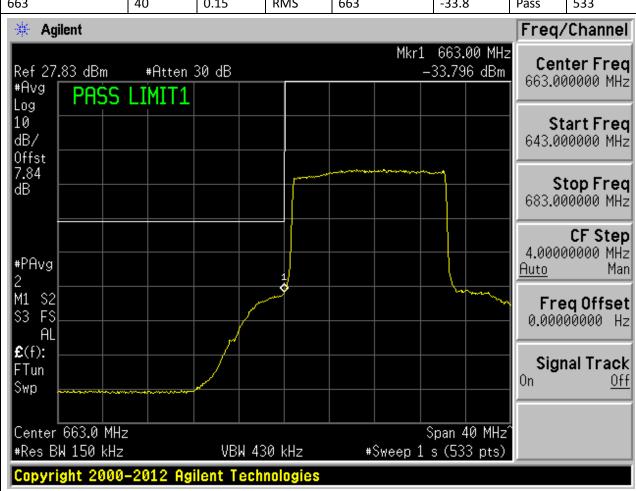






2.20. LTE Band Edge(NTNV)(Subtest:20, Channel:133197, Bandwidth:15, Modulation:Q16, RB Number: 75. RB Position:LOW)

Center (MHz)	Frequency	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663		40	0.15	RMS	663	-33.8	Pass	533



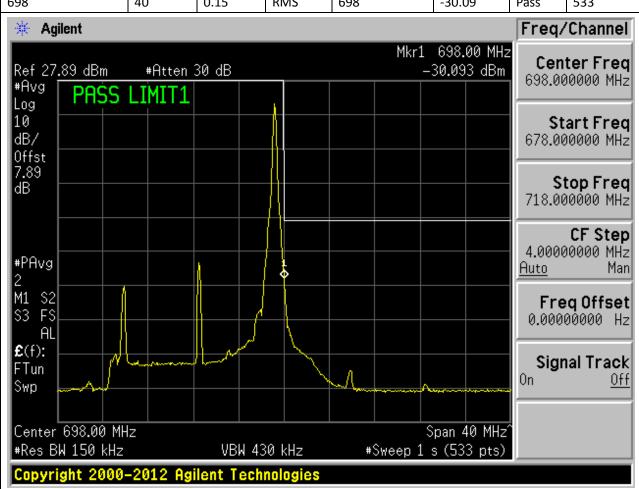






2.21. LTE Band Edge(NTNV)(Subtest:21, Channel:133397, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	40	0.15	RMS	698	-30.09	Pass	533



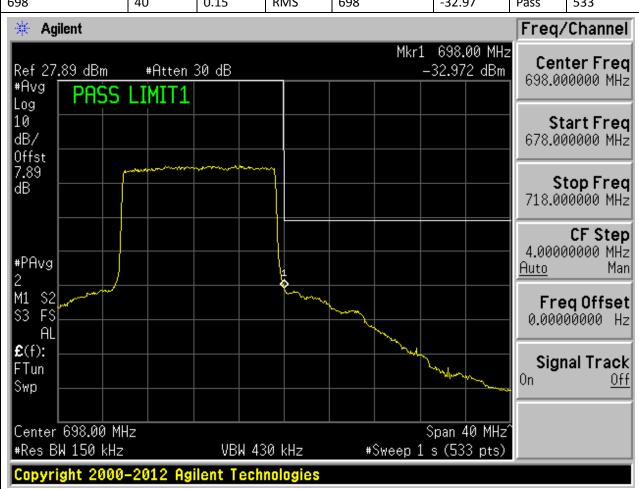






2.22. LTE Band Edge(NTNV)(Subtest:22, Channel:133397, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	40	0.15	RMS	698	-32.97	Pass	533



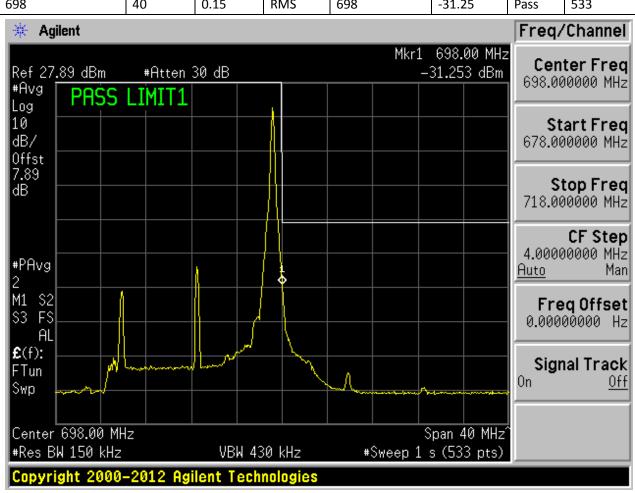






2.23. LTE Band Edge(NTNV)(Subtest:23, Channel:133397, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	40	0.15	RMS	698	-31.25	Pass	533



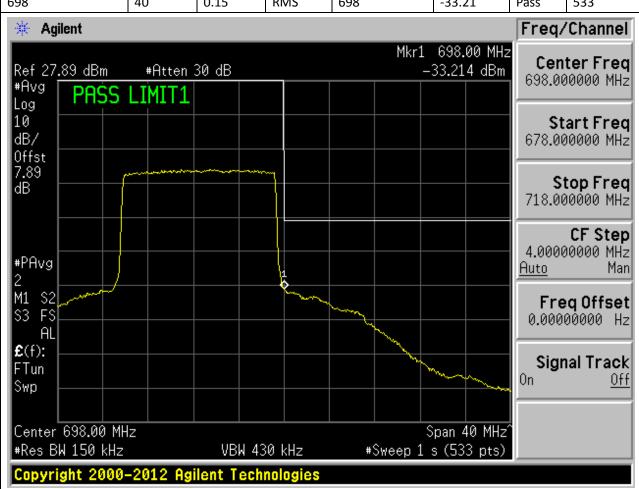






2.24. LTE Band Edge(NTNV)(Subtest:24, Channel:133397, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	40	0.15	RMS	698	-33.21	Pass	533



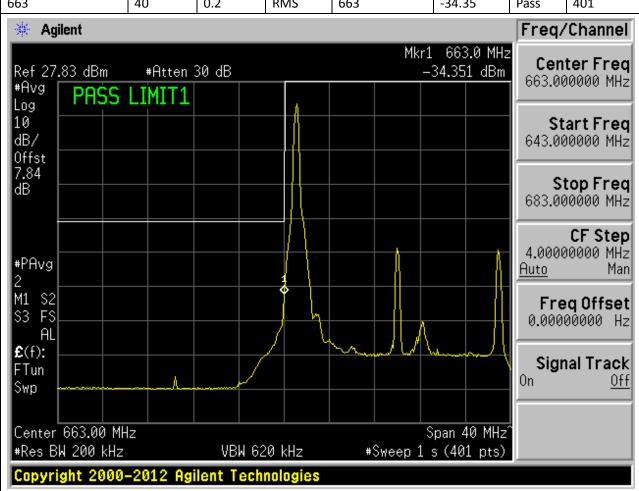






2.25. LTE Band Edge(NTNV)(Subtest:25, Channel:133222, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663	40	0.2	RMS	663	-34.35	Pass	401



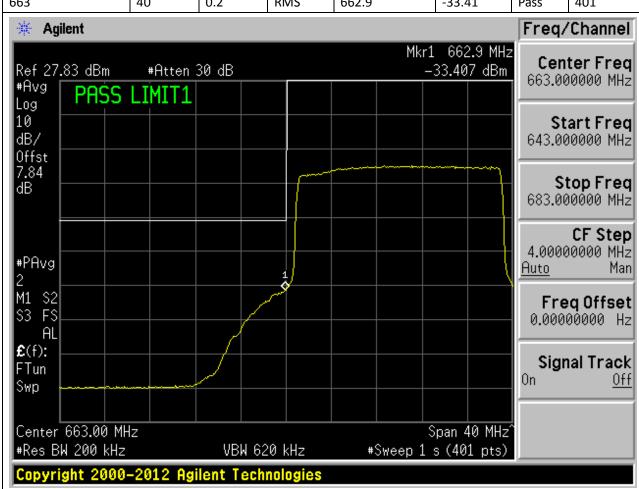






2.26. LTE Band Edge(NTNV)(Subtest:26, Channel:133222, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663	40	0.2	RMS	662.9	-33.41	Pass	401



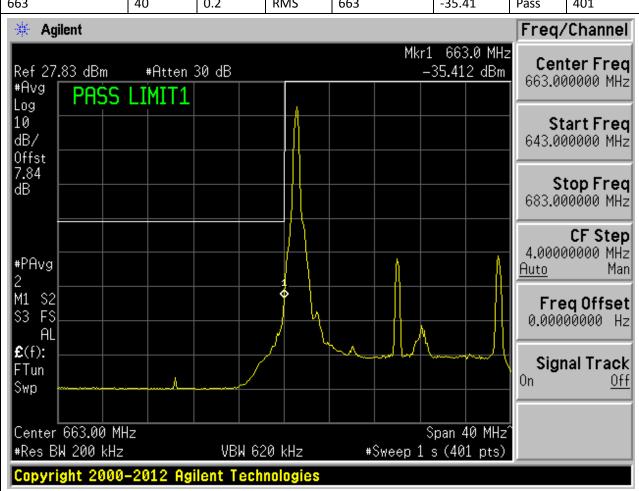






2.27. LTE Band Edge(NTNV)(Subtest:27, Channel:133222, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663	40	0.2	RMS	663	-35.41	Pass	401



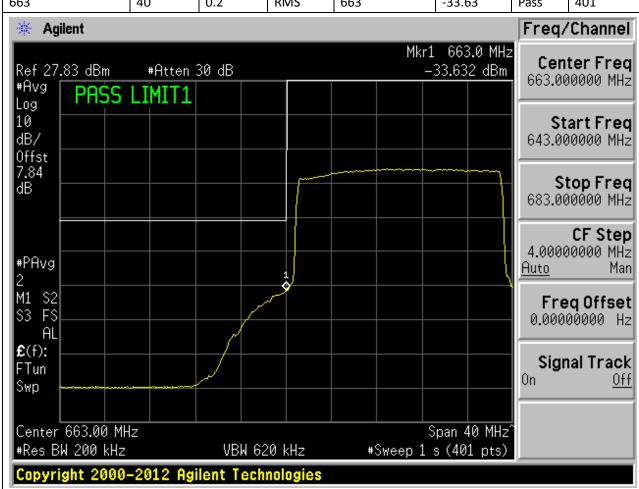






2.28. LTE Band Edge(NTNV)(Subtest:28, Channel:133222, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
663	40	0.2	RMS	663	-33.63	Pass	401



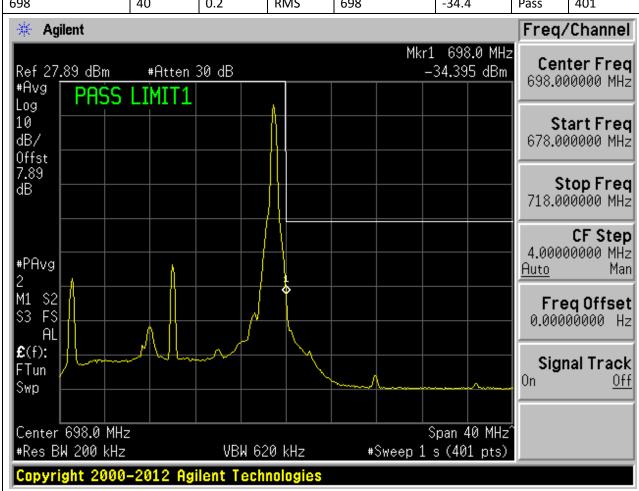






2.29. LTE Band Edge(NTNV)(Subtest:29, Channel:133372, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	40	0.2	RMS	698	-34.4	Pass	401



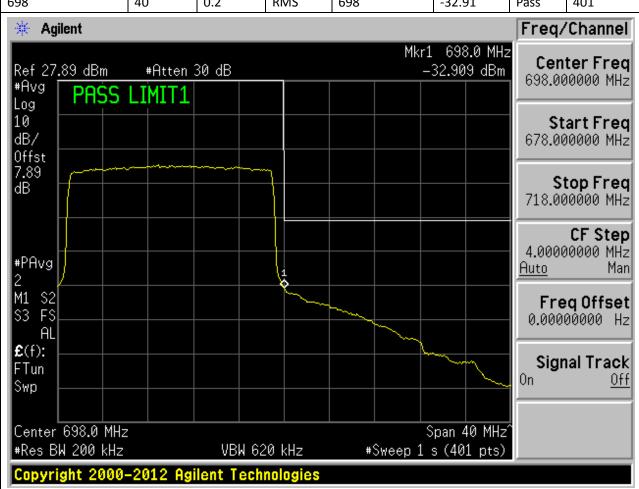






2.30. LTE Band Edge(NTNV)(Subtest:30, Channel:133372, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	40	0.2	RMS	698	-32.91	Pass	401





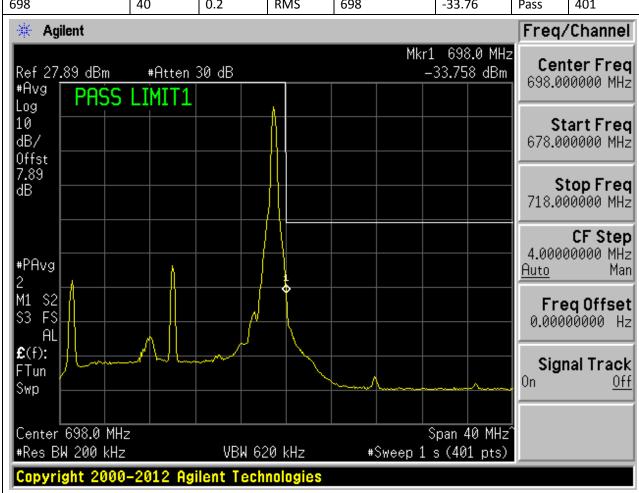
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China: yz.cnca.cn





2.31. LTE Band Edge(NTNV)(Subtest:31, Channel:133372, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	40	0.2	RMS	698	-33.76	Pass	401





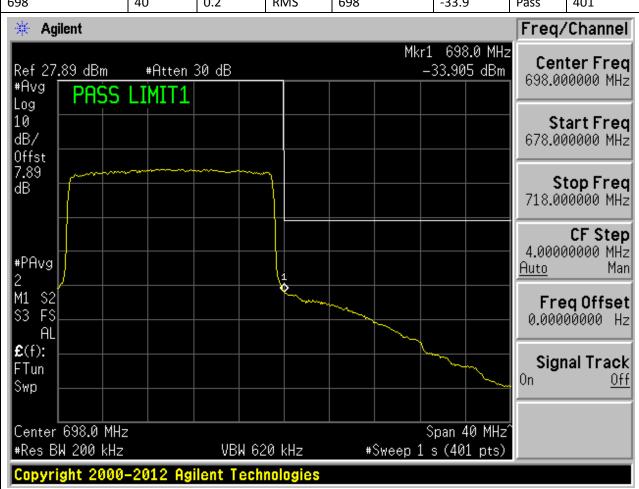
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China: yz.cnca.cn





2.32. LTE Band Edge(NTNV)(Subtest:32, Channel:133372, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:HIGH)

Center Frequency (MHz)	Span (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Verdict	Sweep Point
698	40	0.2	RMS	698	-33.9	Pass	401





For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China: yz.cnca.cn



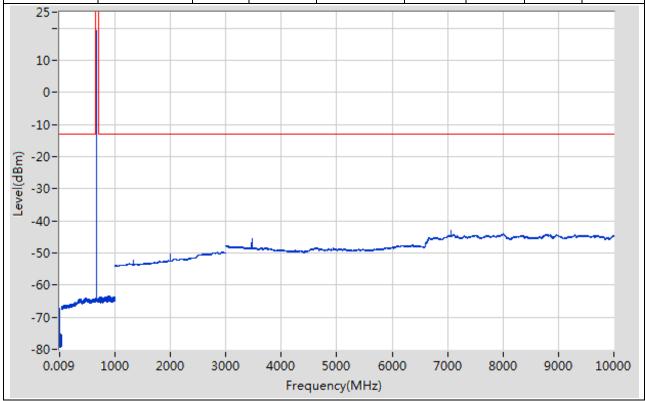


Appendix E: Conducted Spurious Emission

Test Result

2.1. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:1, Channel:133147, 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	0.059	-71.08	-13	Pass	401
0.15	30	0.01	RMS	0.15	-67.34	-13	Pass	2985
30	653	0.1	RMS	652.6	-63.9	-13	Pass	6230
653	709	0.1	RMS	663.318	19.29	60	Pass	560
709	1000	0.1	RMS	868.655	-63.39	-13	Pass	2910
1000	3000	1	RMS	2947.974	-49.64	-13	Pass	2000
3000	10000	1	RMS	7066.581	-43.01	-13	Pass	7000



For anti-fake verification, please visit the official website of Certification and

Accreditation Administration of the People's Republic of China: <u>yz.cnca.cn</u>

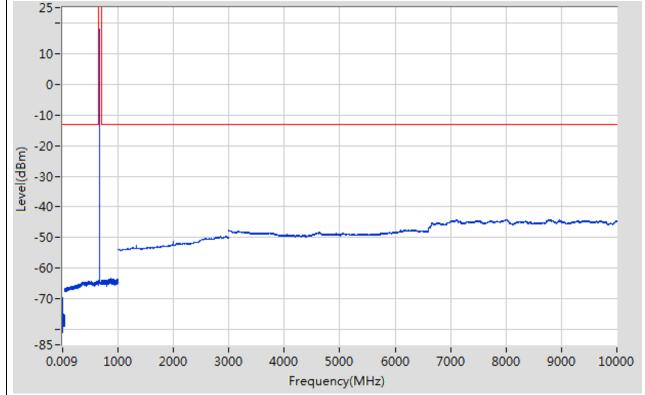






2.2. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:2, Channel:133147, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	-70.33	-13	Pass	401
0.15	30	0.01	RMS	0.15	-69.69	-13	Pass	2985
30	653	0.1	RMS	652.6	-64.05	-13	Pass	6230
653	709	0.1	RMS	663.318	18.14	60	Pass	560
709	1000	0.1	RMS	871.856	-63.17	-13	Pass	2910
1000	3000	1	RMS	2945.973	-49.64	-13	Pass	2000
3000	10000	1	RMS	8006.715	-44.08	-13	Pass	7000

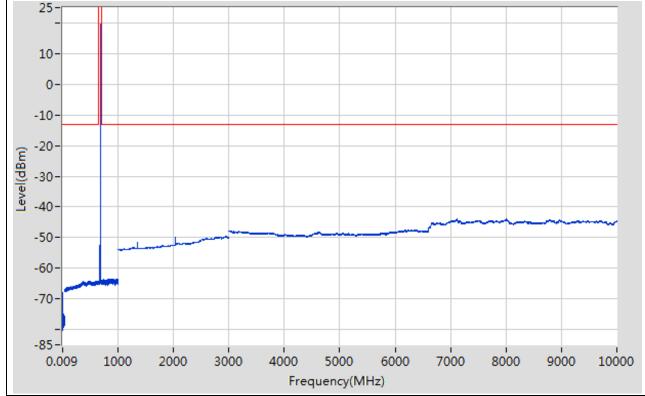






2.3. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:3, Channel:133297, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.088	-71.61	-13	Pass	401
0.15	30	0.01	RMS	0.16	-67.96	-13	Pass	2985
30	653	0.1	RMS	476.872	-64.25	-13	Pass	6230
653	709	0.1	RMS	678.345	19.5	60	Pass	560
709	1000	0.1	RMS	868.255	-63.46	-13	Pass	2910
1000	3000	1	RMS	2945.973	-49.66	-13	Pass	2000
3000	10000	1	RMS	7109.587	-43.97	-13	Pass	7000

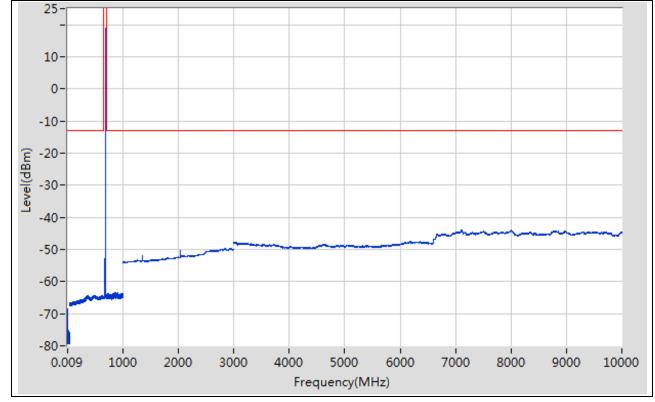






2.4. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:4, Channel:133297, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	0.012	-70.56	-13	Pass	401
0.15	30	0.01	RMS	0.15	-68.54	-13	Pass	2985
30	653	0.1	RMS	614.994	-64.26	-13	Pass	6230
653	709	0.1	RMS	678.345	18.91	60	Pass	560
709	1000	0.1	RMS	870.856	-63.5	-13	Pass	2910
1000	3000	1	RMS	2944.972	-49.67	-13	Pass	2000
3000	10000	1	RMS	8000.714	-44.02	-13	Pass	7000



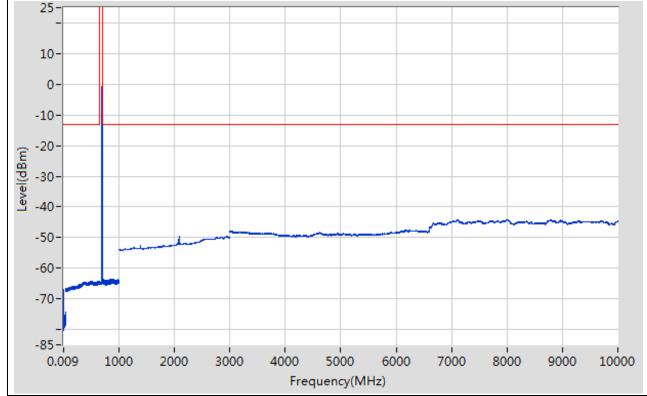






2.5. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:5, Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.092	-70.81	-13	Pass	401
0.15	30	0.01	RMS	0.15	-66.94	-13	Pass	2985
30	653	0.1	RMS	478.172	-64.15	-13	Pass	6230
653	709	0.1	RMS	693.372	19.17	60	Pass	560
709	1000	0.1	RMS	894.064	-63.46	-13	Pass	2910
1000	3000	1	RMS	2950.975	-49.68	-13	Pass	2000
3000	10000	1	RMS	7109.587	-44.05	-13	Pass	7000

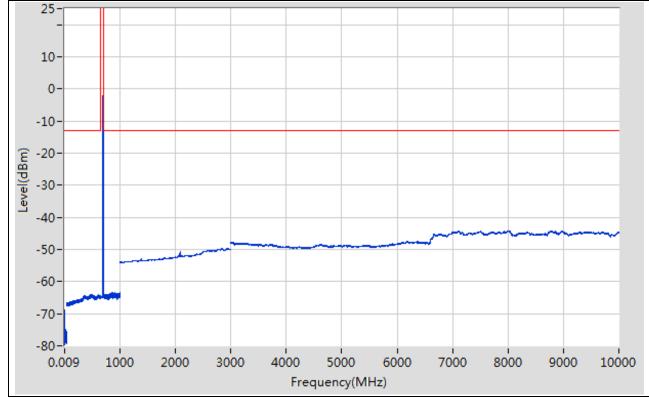






2.6. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:6, Channel:133447, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	0.013	-71.43	-13	Pass	401
0.15	30	0.01	RMS	0.15	-68.69	-13	Pass	2985
30	653	0.1	RMS	618.795	-64.09	-13	Pass	6230
653	709	0.1	RMS	693.372	18.44	60	Pass	560
709	1000	0.1	RMS	857.851	-63.36	-13	Pass	2910
1000	3000	1	RMS	2947.974	-49.6	-13	Pass	2000
3000	10000	1	RMS	8007.715	-44.1	-13	Pass	7000

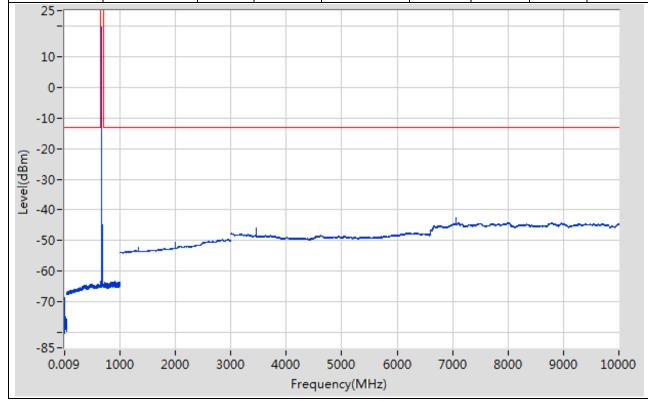






2.7. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:7, Channel:133172, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.01	-71.25	-13	Pass	401
0.15	30	0.01	RMS	0.15	-68.53	-13	Pass	2985
30	653	0.1	RMS	652.9	-63.19	-13	Pass	6230
653	709	0.1	RMS	663.619	19.49	60	Pass	560
709	1000	0.1	RMS	901.966	-63.27	-13	Pass	2910
1000	3000	1	RMS	2947.974	-49.68	-13	Pass	2000
3000	10000	1	RMS	7058.58	-42.58	-13	Pass	7000

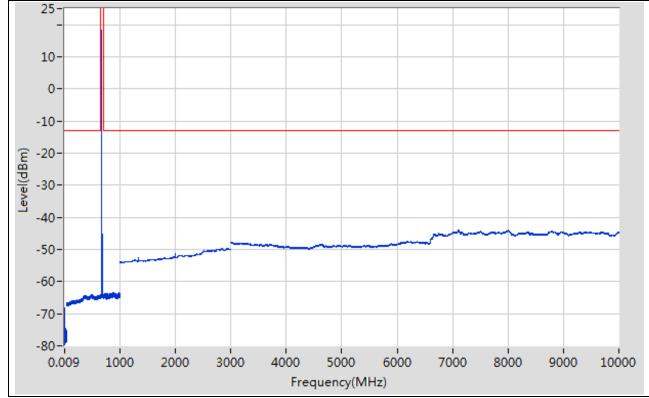






2.8. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:8, Channel:133172, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	-69.87	-13	Pass	401
0.15	30	0.01	RMS	0.15	-68.22	-13	Pass	2985
30	653	0.1	RMS	652.9	-63.9	-13	Pass	6230
653	709	0.1	RMS	663.619	18.41	60	Pass	560
709	1000	0.1	RMS	879.659	-63.3	-13	Pass	2910
1000	3000	1	RMS	2950.975	-49.64	-13	Pass	2000
3000	10000	1	RMS	7997.714	-44.07	-13	Pass	7000

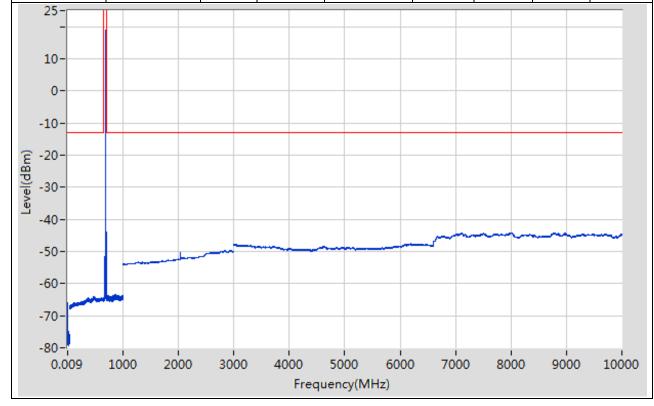






2.9. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:9, Channel:133297, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.093	-70.73	-13	Pass	401
0.15	30	0.01	RMS	0.15	-65.94	-13	Pass	2985
30	653	0.1	RMS	468.57	-64.16	-13	Pass	6230
653	709	0.1	RMS	676.141	19.02	60	Pass	560
709	1000	0.1	RMS	874.757	-63.38	-13	Pass	2910
1000	3000	1	RMS	2949.975	-49.7	-13	Pass	2000
3000	10000	1	RMS	7110.587	-44.1	-13	Pass	7000



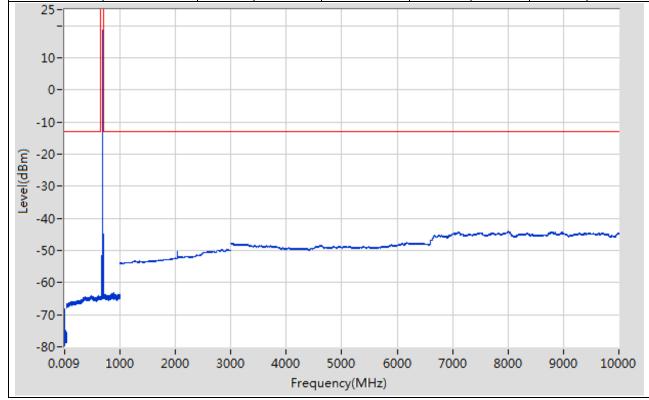






2.10. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:10, Channel:133297, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	0.088	-70.5	-13	Pass	401
0.15	30	0.01	RMS	0.16	-68.18	-13	Pass	2985
30	653	0.1	RMS	474.771	-64.16	-13	Pass	6230
653	709	0.1	RMS	676.141	18.7	60	Pass	560
709	1000	0.1	RMS	889.262	-63.23	-13	Pass	2910
1000	3000	1	RMS	2949.975	-49.63	-13	Pass	2000
3000	10000	1	RMS	8004.715	-44.09	-13	Pass	7000

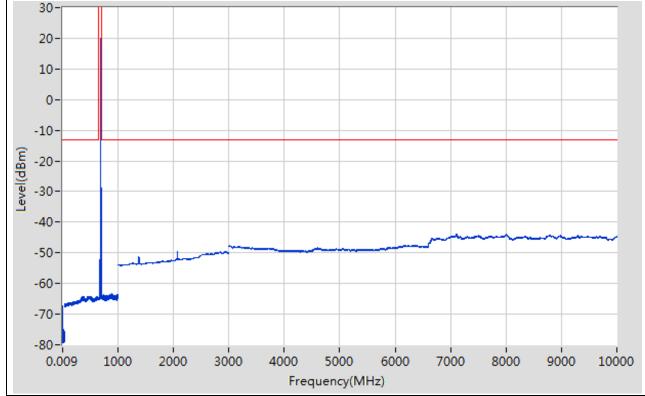






2.11. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:11, Channel:133422, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.092	-71.45	-13	Pass	401
0.15	30	0.01	RMS	0.15	-67.3	-13	Pass	2985
30	653	0.1	RMS	471.271	-64.19	-13	Pass	6230
653	709	0.1	RMS	688.564	20.05	60	Pass	560
709	1000	0.1	RMS	884.46	-63.41	-13	Pass	2910
1000	3000	1	RMS	2946.973	-49.63	-13	Pass	2000
3000	10000	1	RMS	8002.715	-43.99	-13	Pass	7000

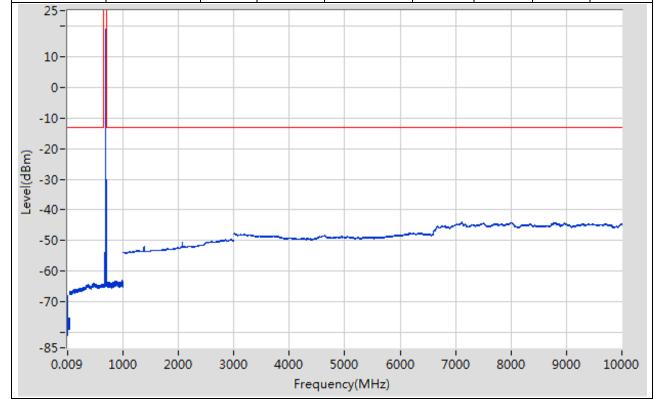






2.12. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:12, Channel:133422, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	-70.49	-13	Pass	401
0.15	30	0.01	RMS	0.15	-67.83	-13	Pass	2985
30	653	0.1	RMS	468.17	-63.95	-13	Pass	6230
653	709	0.1	RMS	688.564	18.88	60	Pass	560
709	1000	0.1	RMS	986.795	-63	-13	Pass	2910
1000	3000	1	RMS	2949.975	-49.63	-13	Pass	2000
3000	10000	1	RMS	7107.587	-44.03	-13	Pass	7000

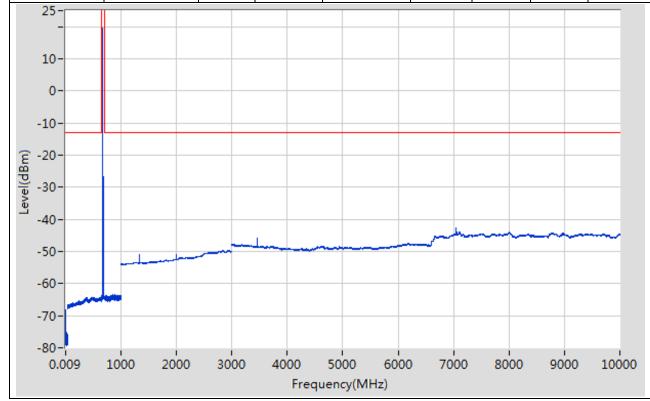




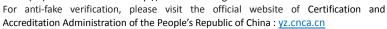


2.13. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:13, Channel:133197, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.092	-71.32	-13	Pass	401
0.15	30	0.01	RMS	0.16	-68.19	-13	Pass	2985
30	653	0.1	RMS	473.671	-64.22	-13	Pass	6230
653	709	0.1	RMS	663.819	19.53	60	Pass	560
709	1000	0.1	RMS	891.363	-63.35	-13	Pass	2910
1000	3000	1	RMS	2947.974	-49.66	-13	Pass	2000
3000	10000	1	RMS	7051.579	-42.74	-13	Pass	7000





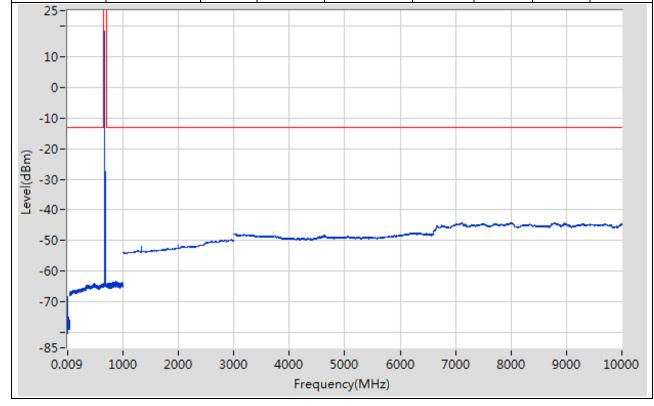






2.14. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:14, Channel:133197, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	0.016	-70.97	-13	Pass	401
0.15	30	0.01	RMS	0.15	-68.31	-13	Pass	2985
30	653	0.1	RMS	473.671	-64.08	-13	Pass	6230
653	709	0.1	RMS	663.819	18.37	60	Pass	560
709	1000	0.1	RMS	875.057	-63.4	-13	Pass	2910
1000	3000	1	RMS	2949.975	-49.68	-13	Pass	2000
3000	10000	1	RMS	7110.587	-44.15	-13	Pass	7000



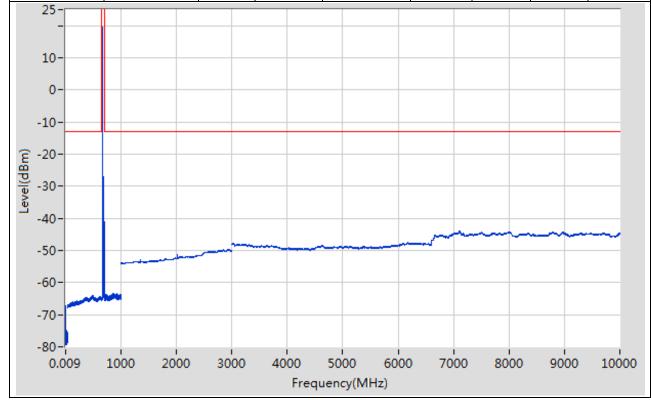






2.15. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:15, Channel:133297, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.092	-70.13	-13	Pass	401
0.15	30	0.01	RMS	0.15	-67.29	-13	Pass	2985
30	653	0.1	RMS	480.172	-63.96	-13	Pass	6230
653	709	0.1	RMS	673.837	19.47	60	Pass	560
709	1000	0.1	RMS	875.157	-63.45	-13	Pass	2910
1000	3000	1	RMS	2946.973	-49.69	-13	Pass	2000
3000	10000	1	RMS	7111.587	-44.05	-13	Pass	7000

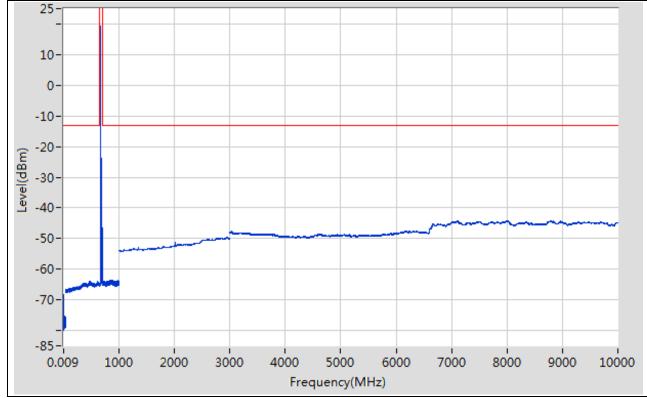






2.16. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:16, Channel:133297, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	0.015	-70.19	-13	Pass	401
0.15	30	0.01	RMS	0.15	-68.14	-13	Pass	2985
30	653	0.1	RMS	479.172	-64.02	-13	Pass	6230
653	709	0.1	RMS	673.837	19.39	60	Pass	560
709	1000	0.1	RMS	823.839	-63.6	-13	Pass	2910
1000	3000	1	RMS	2947.974	-49.66	-13	Pass	2000
3000	10000	1	RMS	7999.714	-44.06	-13	Pass	7000

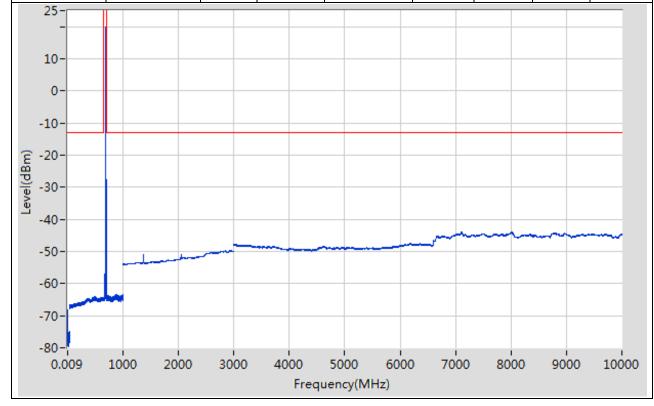






2.17. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:17, Channel:133397, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.09	-71.35	-13	Pass	401
0.15	30	0.01	RMS	0.15	-68.13	-13	Pass	2985
30	653	0.1	RMS	471.671	-64.05	-13	Pass	6230
653	709	0.1	RMS	683.855	19.77	60	Pass	560
709	1000	0.1	RMS	710.501	-52.38	-13	Pass	2910
1000	3000	1	RMS	2949.975	-49.61	-13	Pass	2000
3000	10000	1	RMS	7108.587	-44.06	-13	Pass	7000



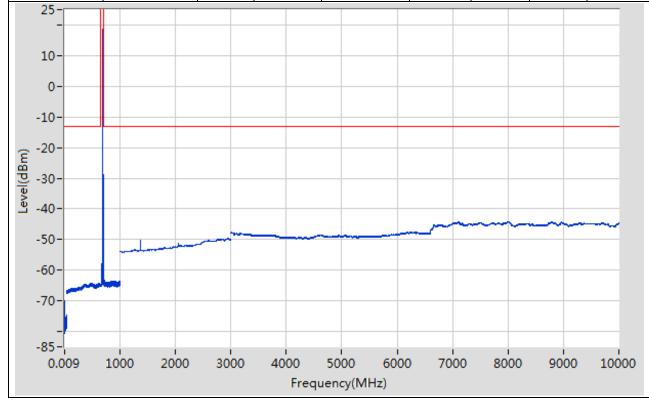






2.18. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:18, Channel:133397, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	0.015	-70.97	-13	Pass	401
0.15	30	0.01	RMS	0.15	-70.09	-13	Pass	2985
30	653	0.1	RMS	470.471	-64.17	-13	Pass	6230
653	709	0.1	RMS	683.855	18.55	60	Pass	560
709	1000	0.1	RMS	710.501	-53.29	-13	Pass	2910
1000	3000	1	RMS	2950.975	-49.69	-13	Pass	2000
3000	10000	1	RMS	7106.587	-44.1	-13	Pass	7000

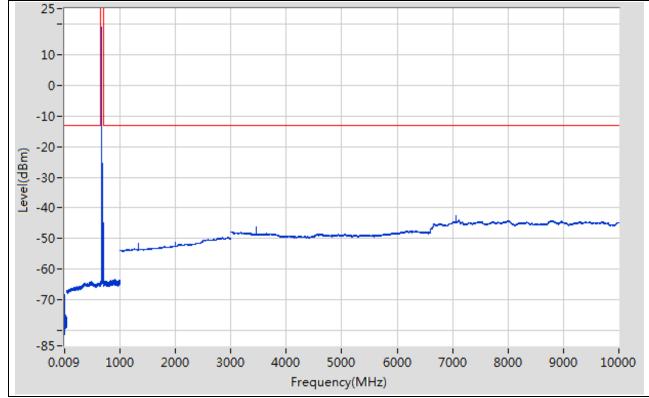






2.19. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:19, Channel:133222, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-71.87	-13	Pass	401
0.15	30	0.01	RMS	0.15	-68.22	-13	Pass	2985
30	653	0.1	RMS	485.673	-64.07	-13	Pass	6230
653	709	0.1	RMS	664.12	18.9	60	Pass	560
709	1000	0.1	RMS	898.065	-63.4	-13	Pass	2910
1000	3000	1	RMS	2848.924	-49.66	-13	Pass	2000
3000	10000	1	RMS	7058.58	-42.68	-13	Pass	7000

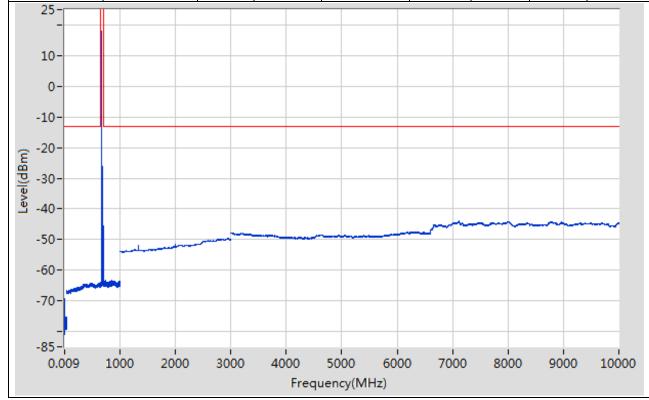






2.20. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:20, Channel:133222, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	0.014	-70.52	-13	Pass	401
0.15	30	0.01	RMS	0.15	-69.12	-13	Pass	2985
30	653	0.1	RMS	477.472	-64.27	-13	Pass	6230
653	709	0.1	RMS	664.12	18.01	60	Pass	560
709	1000	0.1	RMS	853.35	-63.31	-13	Pass	2910
1000	3000	1	RMS	2948.974	-49.68	-13	Pass	2000
3000	10000	1	RMS	7109.587	-44.04	-13	Pass	7000

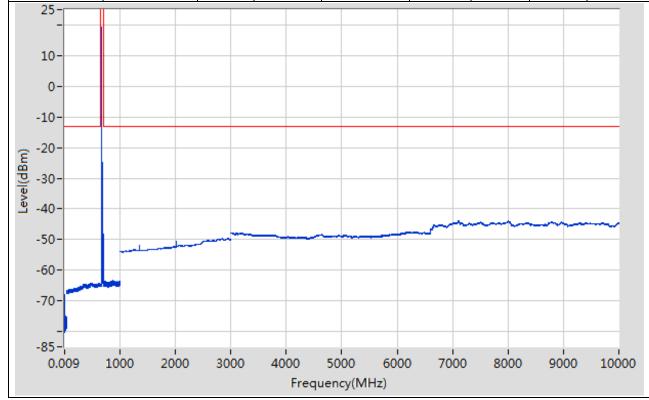






2.21. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:21, Channel:133297, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.092	-70.66	-13	Pass	401
0.15	30	0.01	RMS	0.15	-67.81	-13	Pass	2985
30	653	0.1	RMS	472.271	-64.13	-13	Pass	6230
653	709	0.1	RMS	671.633	19.28	60	Pass	560
709	1000	0.1	RMS	863.553	-63.37	-13	Pass	2910
1000	3000	1	RMS	2946.973	-49.58	-13	Pass	2000
3000	10000	1	RMS	7111.587	-43.96	-13	Pass	7000



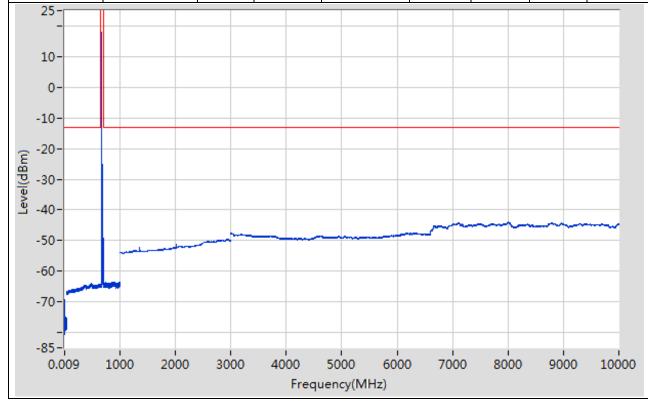
CTC Laboratories, Inc.





2.22. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:22, Channel:133297, Bandwidth:20, 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	0.011	-70.31	-13	Pass	401
0.15	30	0.01	RMS	0.15	-69.34	-13	Pass	2985
30	653	0.1	RMS	472.971	-63.98	-13	Pass	6230
653	709	0.1	RMS	671.633	17.96	60	Pass	560
709	1000	0.1	RMS	981.494	-63.53	-13	Pass	2910
1000	3000	1	RMS	2947.974	-49.63	-13	Pass	2000
3000	10000	1	RMS	7999.714	-44.04	-13	Pass	7000

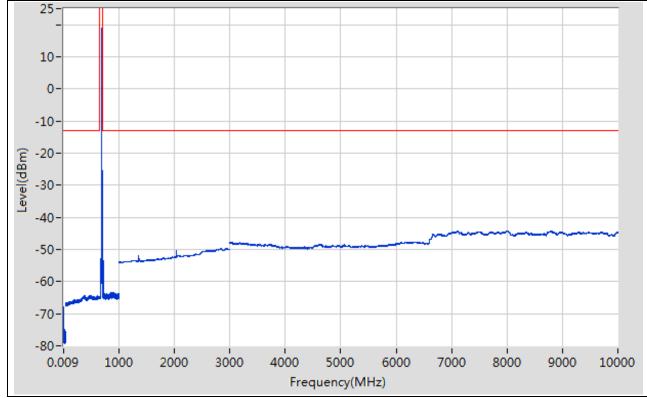






2.23. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:23, Channel:133372, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.045	-70.82	-13	Pass	401
0.15	30	0.01	RMS	0.15	-67.97	-13	Pass	2985
30	653	0.1	RMS	484.773	-64.24	-13	Pass	6230
653	709	0.1	RMS	679.047	19.03	60	Pass	560
709	1000	0.1	RMS	714.702	-53.44	-13	Pass	2910
1000	3000	1	RMS	2950.975	-49.61	-13	Pass	2000
3000	10000	1	RMS	7109.587	-44.14	-13	Pass	7000

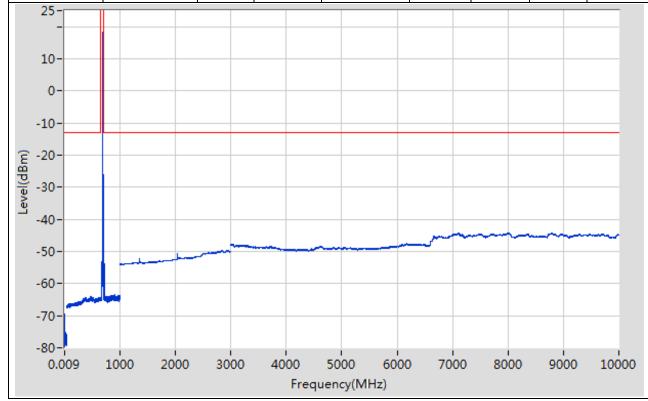






2.24. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:24, Channel:133372, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	-70.71	-13	Pass	401
0.15	30	0.01	RMS	0.15	-69.43	-13	Pass	2985
30	653	0.1	RMS	468.07	-64.1	-13	Pass	6230
653	709	0.1	RMS	679.047	18.25	60	Pass	560
709	1000	0.1	RMS	714.702	-53.83	-13	Pass	2910
1000	3000	1	RMS	2945.973	-49.72	-13	Pass	2000
3000	10000	1	RMS	7109.587	-44.16	-13	Pass	7000







Appendix F: Frequency Stability

Test Result

LTE B71 QPSK 10MHz:

Dower (VDC)	Temperature (° C)	Value(Hz)
Power (VDC)	remperature (C)	MCH
	-30	-0.2
	-20	-0.62
	-10	-0.31
	0	-0.92
	10	-1.13
3.8	20	-0.46
	25	-0.97
	30	-0.53
	40	-0.64
	50	-0.7
	55	-0.99
4.2	25	-0.51
3.6	25	0.07





LTE B71 16QAM 10MHz:

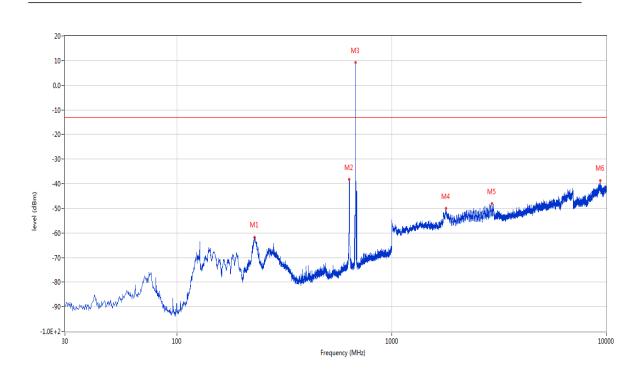
Power (VDC)	Towns a rations (° C)	Value(Hz)
Power (VDC)	Temperature (°C)	MCH
	-30	-1.39
	-20	-0.74
	-10	-1.7
	0	-0.74
	10	-1.53
3.8	20	-1.43
	25	-1.49
	30	-0.21
	40	-1.36
	50	-0.29
	55	-0.99
4.2	25	-2.03
3.6	25	-2.05





Appendix G: Radiated Power Measurement

Work Mode: LTE B71 CH133297 BW5 Remark: N.A



Frequency	Result	Factor (dB)	PK Limit	Over Limit	Table (o)	ANT	EUT	Verdict
(MHz)	(dBm)		(dBm)	(dB)				
230.062	-61.71	-16.21	-13.0	-48.71	236.00	Horizontal	Horizontal	Pass
634.310	-38.31	-2.76	-13.0	-25.31	213.00	Horizontal	Horizontal	N/A
678.445	9.12	-3.16	-13.0	22.12	239.00	Horizontal	Horizontal	N/A
1789.500	-50.07	3.26	-13.0	-37.07	308.00	Horizontal	Horizontal	Pass
2932.500	-48.14	6.33	-13.0	-35.14	360.00	Horizontal	Horizontal	Pass
9376.750	-38.85	17.27	-13.0	-25.85	28.00	Horizontal	Horizontal	Pass

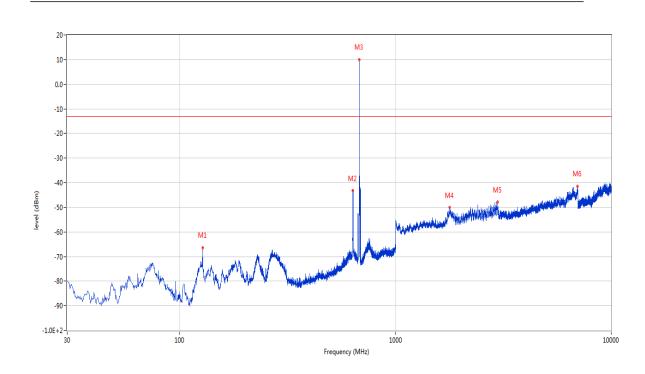
For anti-fake verification, please visit the official website of Certification and





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LTE B71 CH133297 BW5 Work Mode: Remark: N.A



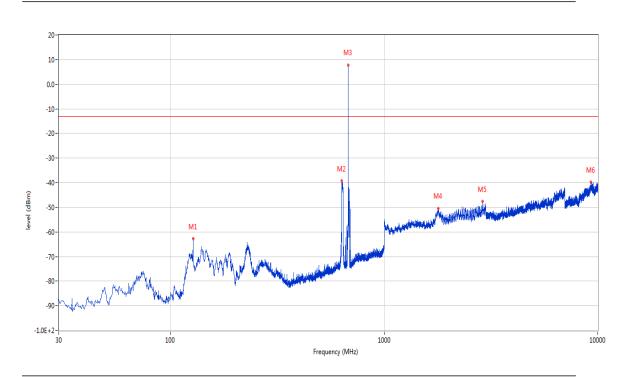
Frequency	Result	Factor (dB)	PK Limit	Over Limit	Table (o)	ANT	EUT	Verdict
(MHz)	(dBm)		(dBm)	(dB)				
127.485	-66.37	-19.44	-13.0	-53.37	213.00	Vertical	Vertical	Pass
633.340	-43.27	-2.79	-13.0	-30.27	141.00	Vertical	Vertical	N/A
678.445	10.07	-3.16	-13.0	23.07	285.00	Vertical	Vertical	N/A
1779.000	-49.97	3.45	-13.0	-36.97	32.00	Vertical	Vertical	Pass
2972.500	-47.94	5.76	-13.0	-34.94	271.00	Vertical	Vertical	Pass
6978.000	-41.48	14.04	-13.0	-28.48	86.00	Vertical	Vertical	Pass

For anti-fake verification, please visit the official website of Certification and





Work Mode: LTE B71 CH133297 BW10 Remark: N.A

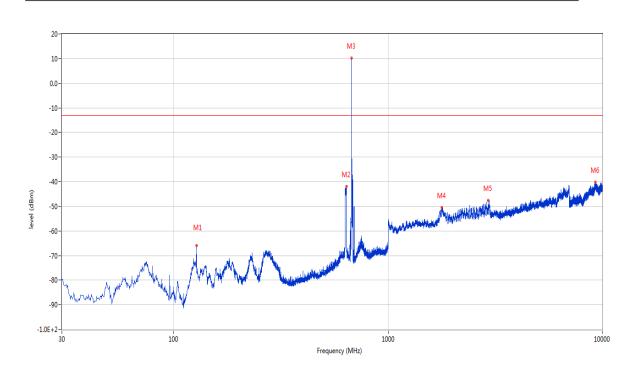


Frequency	Result	Factor (dB)	PK Limit	Over Limit	Table (o)	ANT	EUT	Verdict
(MHz)	(dBm)		(dBm)	(dB)				
127.485	-62.86	-19.44	-13.0	-49.86	291.00	Horizontal	Horizontal	Pass
633.825	-39.28	-2.78	-13.0	-26.28	233.00	Horizontal	Horizontal	N/A
678.687	7.81	-3.14	-13.0	20.81	19.00	Horizontal	Horizontal	N/A
1794.000	-50.49	2.78	-13.0	-37.49	221.00	Horizontal	Horizontal	Pass
2883.000	-47.59	5.48	-13.0	-34.59	83.00	Horizontal	Horizontal	Pass
9298.000	-39.80	17.66	-13.0	-26.80	113.00	Horizontal	Horizontal	Pass





Work Mode: LTE B71 CH133297 BW10 Remark: N.A



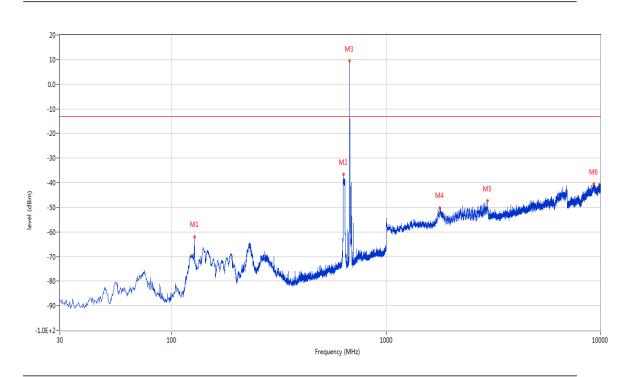
Frequency	Result	Factor (dB)	PK Limit	Over Limit	Table (o)	ANT	EUT	Verdict
(MHz)	(dBm)		(dBm)	(dB)				
127.485	-65.92	-19.44	-13.0	-52.92	205.00	Vertical	Vertical	Pass
638.190	-42.08	-2.64	-13.0	-29.08	192.00	Vertical	Vertical	N/A
676.020	10.16	-3.12	-13.0	23.16	125.00	Vertical	Vertical	N/A
1782.000	-50.54	3.62	-13.0	-37.54	97.00	Vertical	Vertical	Pass
2930.000	-47.67	6.10	-13.0	-34.67	233.00	Vertical	Vertical	Pass
9269.500	-40.21	17.19	-13.0	-27.21	233.00	Vertical	Vertical	Pass

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LTE B71 CH133297 BW15 N.A Work Mode: Remark:

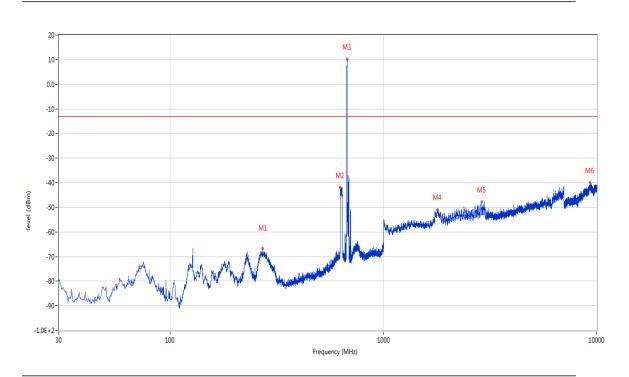


Frequency	Result	Factor (dB)	PK Limit	Over Limit	Table (o)	ANT	EUT	Verdict
(MHz)	(dBm)		(dBm)	(dB)				
127.485	-61.96	-19.44	-13.0	-48.96	280.00	Horizontal	Horizontal	Pass
632.855	-36.62	-2.79	-13.0	-23.62	214.00	Horizontal	Horizontal	N/A
676.263	9.41	-3.12	-13.0	22.41	186.00	Horizontal	Horizontal	N/A
1783.000	-50.21	3.58	-13.0	-37.21	246.00	Horizontal	Horizontal	Pass
2978.000	-47.41	5.74	-13.0	-34.41	133.00	Horizontal	Horizontal	Pass
9327.250	-40.48	17.49	-13.0	-27.48	341.00	Horizontal	Horizontal	Pass





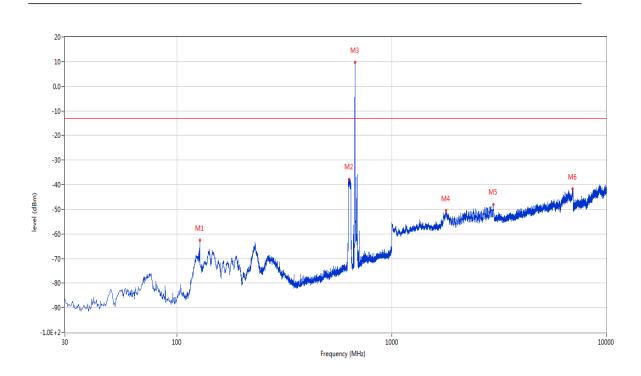
Work Mode: LTE B71 CH133297 BW15 Remark: N.A



Frequency	Result	Factor (dB)	PK Limit	Over Limit	Table (o)	ANT	EUT	Verdict
(MHz)	(dBm)		(dBm)	(dB)				
271.288	-66.58	-13.11	-13.0	-53.58	352.00	Vertical	Vertical	Pass
628.247	-42.03	-2.69	-13.0	-29.03	143.00	Vertical	Vertical	N/A
673.838	10.16	-3.15	-13.0	23.16	297.00	Vertical	Vertical	N/A
1789.000	-51.01	3.32	-13.0	-38.01	7.00	Vertical	Vertical	Pass
2887.500	-47.77	5.40	-13.0	-34.77	224.00	Vertical	Vertical	Pass
9283.000	-40.04	17.32	-13.0	-27.04	358.00	Vertical	Vertical	Pass



Work Mode: LTE B71 CH133322 BW20 Remark: N.A



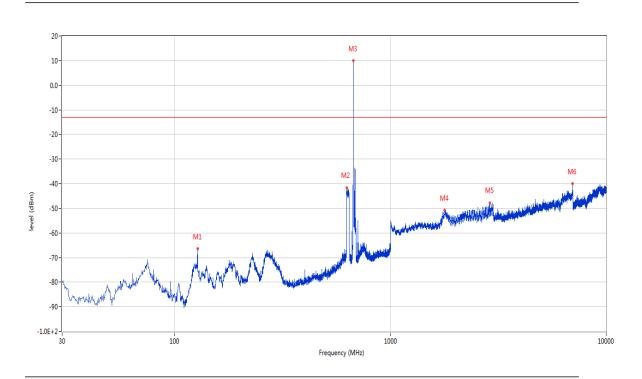
Frequency	Result	Factor (dB)	PK Limit	Over Limit	Table (o)	ANT	EUT	Verdict
(MHz)	(dBm)		(dBm)	(dB)				
127.485	-62.53	-19.44	-13.0	-49.53	264.00	Horizontal	Horizontal	Pass
634.310	-37.73	-2.76	-13.0	-24.73	219.00	Horizontal	Horizontal	N/A
674.080	9.73	-3.15	-13.0	22.73	188.00	Horizontal	Horizontal	N/A
1788.000	-50.57	3.47	-13.0	-37.57	97.00	Horizontal	Horizontal	Pass
2971.500	-47.97	5.79	-13.0	-34.97	274.00	Horizontal	Horizontal	Pass
6996.000	-41.77	13.35	-13.0	-28.77	189.00	Horizontal	Horizontal	Pass

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Work Mode: LTE B71 CH133322 BW20 Remark: N.A



Frequency	Result	Factor (dB)	PK Limit	Over Limit	Table (o)	ANT	EUT	Verdict
(MHz)	(dBm)		(dBm)	(dB)				
127.485	-66.47	-19.44	-13.0	-53.47	212.00	Vertical	Vertical	Pass
635.278	-41.73	-2.70	-13.0	-28.73	145.00	Vertical	Vertical	N/A
674.655	9.94	-3.06	-13.0	22.94	120.00	Vertical	Vertical	N/A
1786.500	-50.84	3.60	-13.0	-37.84	165.00	Vertical	Vertical	Pass
2885.500	-47.77	5.43	-13.0	-34.77	98.00	Vertical	Vertical	Pass
6985.000	-39.88	14.23	-13.0	-26.88	124.00	Vertical	Vertical	Pass