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Appendix B

E-UTRA Band CA_38C



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1 Effective (Isotropic) Radiated Power Output Data

1.1 Test Result for LTE Band CA_38C (Down Ant)

1.1 Test Result for LTE Band CA_38C (Down Ant)										
BAND	Test Mode	Channel	RB Confi		Modulation	Result	EIRP	Limit	Verdict	
	PCC/SCC	PCC/SCC	PCC	SCC	PCC&SCC	(dBm)	(dBm)	(dBm)		
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	QPSK	22.91	21.88	33.00	PASS	
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	QPSK	22.89	21.86	33.00	PASS	
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	QPSK	22.73	21.70	33.00	PASS	
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	QPSK	22.74	21.71	33.00	PASS	
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	QPSK	22.67	21.64	33.00	PASS	
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	QPSK	22.69	21.66	33.00	PASS	
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	QPSK	22.65	21.62	33.00	PASS	
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	QPSK	22.64	21.61	33.00	PASS	
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	QPSK	22.62	21.59	33.00	PASS	
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	QPSK	22.78	21.75	33.00	PASS	
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	QPSK	22.80	21.77	33.00	PASS	
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	QPSK	22.64	21.61	33.00	PASS	
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	16QAM	22.11	21.08	33.00	PASS	
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	16QAM	22.10	21.07	33.00	PASS	
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	16QAM	21.97	20.94	33.00	PASS	
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	16QAM	22.04	21.01	33.00	PASS	
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	16QAM	21.93	20.90	33.00	PASS	
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	16QAM	21.95	20.92	33.00	PASS	
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	16QAM	21.92	20.89	33.00	PASS	
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	16QAM	21.84	20.81	33.00	PASS	
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	16QAM	21.82	20.79	33.00	PASS	
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	16QAM	22.05	21.02	33.00	PASS	
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	16QAM	21.99	20.96	33.00	PASS	
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	16QAM	21.89	20.86	33.00	PASS	
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	64QAM	21.40	20.37	33.00	PASS	
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	64QAM	21.32	20.29	33.00	PASS	
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	64QAM	21.24	20.21	33.00	PASS	
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	64QAM	21.31	20.28	33.00	PASS	
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	64QAM	21.16	20.13	33.00	PASS	
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	64QAM	21.17	20.14	33.00	PASS	
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	64QAM	21.13	20.10	33.00	PASS	
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	64QAM	21.02	19.99	33.00	PASS	
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	64QAM	21.08	20.05	33.00	PASS	
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	64QAM	21.27	20.24	33.00	PASS	
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	64QAM	21.25	20.22	33.00	PASS	
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	64QAM	21.09	20.06	33.00	PASS	

1.2 Test Result for LTE Band CA_38C (Up Ant)

BAND	Test Mode	Channel	RB Confi	RB Configuration Modulation	Result	EIRP	Limit (dBm)	Verdict
	PCC/SCC	PCC/SCC	PCC	SCC	PCC&SCC	(dBm) (dBm)		



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CA_38C 75RB+75RB 37825+37975 1RB#0 ORB#0 OPSK 21.88 20.90 33.00 PASS CA_38C 75RB+75RB 37825+38075 16RB#0 ORB#0 OPSK 21.92 20.94 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 ORB#0 OPSK 21.63 20.65 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 ORB#0 OPSK 21.63 20.65 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 ORB#0 OPSK 21.75 20.77 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 ORB#0 OPSK 21.53 20.60 33.00 PASS CA_38C 100RB+100RB 37951+38099 18RB#0 ORB#0 OPSK 21.61 20.62 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 ORB#0 OPSK 21.69 20.61 33.00										
CA_38C 75RB+75RB 37925+38075 1RB#0 ORB#0 QPSK 21.74 20.76 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 ORB#0 QPSK 21.63 20.65 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 ORB#0 QPSK 21.63 20.65 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 ORB#0 QPSK 21.73 20.75 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 ORB#0 QPSK 21.73 20.75 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 ORB#0 QPSK 21.60 20.63 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 ORB#0 QPSK 21.60 20.62 33.00 PASS CA_38C 10RB+75RB 37825+38150 18RB#0 ORB#0 QPSK 21.60 20.62 33.00	CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	QPSK	21.88	20.90	33.00	PASS
CA_38C 75RB+75RB 37925+38075 16RB#0 ORB#0 QPSK 21.63 20.65 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 ORB#0 QPSK 21.63 20.65 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 ORB#0 QPSK 21.75 20.77 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 ORB#0 QPSK 21.58 20.60 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 ORB#0 QPSK 21.61 20.62 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 ORB#0 QPSK 21.60 20.62 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 ORB#0 QPSK 21.76 20.78 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 16QAM 21.12 20.14 33.00 <td>CA_38C</td> <td>75RB+75RB</td> <td>37825+37975</td> <td>16RB#0</td> <td>0RB#0</td> <td>QPSK</td> <td>21.92</td> <td>20.94</td> <td>33.00</td> <td>PASS</td>	CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	QPSK	21.92	20.94	33.00	PASS
CA_38C 75RB+75RB 38025+38175 1RB#0 ORB#0 QPSK 21.63 20.65 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 ORB#0 QPSK 21.75 20.77 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 ORB#0 QPSK 21.58 20.60 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 ORB#0 QPSK 21.61 20.63 33.00 PASS CA_38C 100RB+100RB 37951+38099 1RB#0 ORB#0 QPSK 21.61 20.63 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 ORB#0 QPSK 21.60 20.62 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 ORB#0 QPSK 21.69 20.61 33.00 PASS CA_38C 75RB+75RB 37825+38075 1RB#0 ORB#0 16QAM 21.13 20.15 33.00 <td>CA_38C</td> <td>75RB+75RB</td> <td>37925+38075</td> <td>1RB#0</td> <td>0RB#0</td> <td>QPSK</td> <td>21.74</td> <td>20.76</td> <td>33.00</td> <td>PASS</td>	CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	QPSK	21.74	20.76	33.00	PASS
CA_38C 75RB+75RB 38025+38175 16RB#0 ORB#0 QPSK 21.75 20.77 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 ORB#0 QPSK 21.73 20.75 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 ORB#0 QPSK 21.58 20.60 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 ORB#0 QPSK 21.61 20.63 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 ORB#0 QPSK 21.60 20.62 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 ORB#0 QPSK 21.76 20.78 33.00 PASS CA_38C 75RB+75RB 37825+37975 1RB#0 ORB#0 16QAM 21.12 20.14 33.00 PASS CA_38C 75RB+75RB 37825+38075 1RB#0 ORB#0 16QAM 21.02 20.14 33.00 <td>CA_38C</td> <td>75RB+75RB</td> <td>37925+38075</td> <td>16RB#0</td> <td>0RB#0</td> <td>QPSK</td> <td>21.63</td> <td>20.65</td> <td>33.00</td> <td>PASS</td>	CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	QPSK	21.63	20.65	33.00	PASS
CA_38C 100RB+100RB 37850+38048 1RB#0 ORB#0 QPSK 21.73 20.75 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 ORB#0 QPSK 21.58 20.60 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 ORB#0 QPSK 21.61 20.62 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 ORB#0 QPSK 21.60 20.62 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 ORB#0 QPSK 21.59 20.61 33.00 PASS CA_38C 100RB+100RB 37925+38150 18RB#0 ORB#0 QPSK 21.59 20.61 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 ORB#0 16QAM 21.12 20.14 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 ORB#0 16QAM 20.80 19.82 33	CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	QPSK	21.63	20.65	33.00	PASS
CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 QPSK 21.58 20.60 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 QPSK 21.61 20.63 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 QPSK 21.60 20.62 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 QPSK 21.60 20.62 33.00 PASS CA_38C 100RB+100RB 37952+38150 18B#0 0RB#0 QPSK 21.59 20.61 33.00 PASS CA_38C 100RB+100RB 37952+38150 18B#0 0RB#0 16QAM 21.13 20.15 33.00 PASS CA_38C 75RB+75RB 37825+37975 16RB#0 0RB#0 16QAM 21.13 20.14 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 16QAM 20.04 19.91 33.00	CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	QPSK	21.75	20.77	33.00	PASS
CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 QPSK 21.61 20.63 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 QPSK 21.60 20.62 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 QPSK 21.76 20.78 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 QPSK 21.59 20.61 33.00 PASS CA_38C 75RB+75RB 37925+38150 18RB#0 0RB#0 16QAM 21.13 20.15 33.00 PASS CA_38C 75RB+75RB 37825+37975 16RB#0 0RB#0 16QAM 21.12 20.14 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 16QAM 21.03 20.05 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 16QAM 20.80 19.82 33.00<	CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	QPSK	21.73	20.75	33.00	PASS
CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 QPSK 21.60 20.62 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 QPSK 21.76 20.78 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 QPSK 21.59 20.61 33.00 PASS CA_38C 75RB+75RB 37825+37975 1RB#0 0RB#0 16QAM 21.13 20.15 33.00 PASS CA_38C 75RB+75RB 37825+38075 1RB#0 0RB#0 16QAM 21.12 20.14 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 16QAM 21.02 20.05 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 16QAM 20.94 19.96 33.00 <td>CA_38C</td> <td>100RB+100RB</td> <td>37850+38048</td> <td>18RB#0</td> <td>0RB#0</td> <td>QPSK</td> <td>21.58</td> <td>20.60</td> <td>33.00</td> <td>PASS</td>	CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	QPSK	21.58	20.60	33.00	PASS
CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 QPSK 21.76 20.78 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 QPSK 21.59 20.61 33.00 PASS CA_38C 75RB+75RB 37825+37975 1RB#0 0RB#0 16QAM 21.13 20.15 33.00 PASS CA_38C 75RB+75RB 37825+38075 1RB#0 0RB#0 16QAM 21.03 20.05 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 16QAM 21.03 20.05 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 16QAM 20.94 19.96 33.00	CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	QPSK	21.61	20.63	33.00	PASS
CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 QPSK 21.59 20.61 33.00 PASS CA_38C 75RB+75RB 37825+37975 1RB#0 0RB#0 16QAM 21.13 20.15 33.00 PASS CA_38C 75RB+75RB 37825+38075 16RB#0 0RB#0 16QAM 21.12 20.14 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 16QAM 21.03 20.05 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 16QAM 20.05 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 16QAM 20.94 19.96 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 16QAM 20.95 19.97 33.00 PASS	CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	QPSK	21.60	20.62	33.00	PASS
CA_38C 75RB+75RB 37825+37975 1RB#0 0RB#0 16QAM 21.13 20.15 33.00 PASS CA_38C 75RB+75RB 37825+37975 16RB#0 0RB#0 16QAM 21.12 20.14 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 16QAM 21.03 20.05 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 16QAM 20.94 19.96 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 16QAM 20.95 19.97 33.00 PASS CA_38C 100RB+100RB 37891+38099 1RB#0 0RB#0 16QAM 20.86 19.87 33.00 </td <td>CA_38C</td> <td>100RB+100RB</td> <td>37952+38150</td> <td>1RB#0</td> <td>0RB#0</td> <td>QPSK</td> <td>21.76</td> <td>20.78</td> <td>33.00</td> <td>PASS</td>	CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	QPSK	21.76	20.78	33.00	PASS
CA_38C 75RB+75RB 37825+37975 16RB#0 0RB#0 16QAM 21.12 20.14 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 16QAM 21.03 20.05 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 16QAM 20.94 19.96 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 16QAM 20.95 19.97 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 16QAM 20.85 19.87 33.00 PASS CA_38C 100RB+100RB 37891+38099 1RB#0 0RB#0 16QAM 20.85 19.87 33.00	CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	QPSK	21.59	20.61	33.00	PASS
CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 16QAM 21.03 20.05 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 16QAM 20.94 19.96 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 16QAM 20.94 19.96 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 16QAM 20.86 19.88 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 16QAM 20.85 19.87 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 16QAM 21.02 20.04 33.	CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	16QAM	21.13	20.15	33.00	PASS
CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 16QAM 20.94 19.96 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 16QAM 20.95 19.97 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 16QAM 20.86 19.88 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 16QAM 20.85 19.87 33.00 PASS CA_38C 100RB+100RB 37901+38099 18B#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 16QAM 20.02 19.91 33	CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	16QAM	21.12	20.14	33.00	PASS
CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 16QAM 20.94 19.96 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 16QAM 20.95 19.97 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 16QAM 20.86 19.88 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 16QAM 20.85 19.87 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 16QAM 20.04 33.00 PASS CA_38C 100RB+100RB 37925+38150 18RB#0 0RB#0 16QAM 20.80 19.82 33.00 <td< td=""><td>CA_38C</td><td>75RB+75RB</td><td>37925+38075</td><td>1RB#0</td><td>0RB#0</td><td>16QAM</td><td>21.03</td><td>20.05</td><td>33.00</td><td>PASS</td></td<>	CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	16QAM	21.03	20.05	33.00	PASS
CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 16QAM 20.94 19.96 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 16QAM 20.95 19.97 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 16QAM 20.86 19.88 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 16QAM 20.85 19.87 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 75RB+75RB 37825+38150 1RB#0 0RB#0 64QAM 20.35 19.37 <td< td=""><td>CA_38C</td><td>75RB+75RB</td><td>37925+38075</td><td>16RB#0</td><td>0RB#0</td><td>16QAM</td><td>20.80</td><td>19.82</td><td>33.00</td><td>PASS</td></td<>	CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	16QAM	20.80	19.82	33.00	PASS
CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 16QAM 20.95 19.97 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 16QAM 20.86 19.88 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 16QAM 20.85 19.87 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 16QAM 21.02 20.04 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 75RB+75RB 37825+37975 1RB#0 0RB#0 64QAM 20.35 19.37 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 64QAM 20.22 19.24	CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	16QAM	20.89	19.91	33.00	PASS
CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 16QAM 20.86 19.88 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 16QAM 20.85 19.87 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 16QAM 21.02 20.04 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 16QAM 21.02 20.04 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 64QAM 20.30 19.82 33.00 PASS CA_38C 75RB+75RB 37825+37975 16RB#0 0RB#0 64QAM 20.35 19.37 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 64QAM 20.22 19.24	CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	16QAM	20.94	19.96	33.00	PASS
CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 16QAM 20.85 19.87 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 75RB+75RB 37825+37975 1RB#0 0RB#0 64QAM 20.35 19.37 33.00 PASS CA_38C 75RB+75RB 37825+38075 1RB#0 0RB#0 64QAM 20.37 19.39 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 64QAM 20.22 19.24 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 64QAM 20.01 19.03 33.00	CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	16QAM	20.95	19.97	33.00	PASS
CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 16QAM 20.89 19.91 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 16QAM 21.02 20.04 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 75RB+75RB 37825+37975 1RB#0 0RB#0 64QAM 20.35 19.37 33.00 PASS CA_38C 75RB+75RB 37825+37975 16RB#0 0RB#0 64QAM 20.37 19.39 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 64QAM 20.22 19.24 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 64QAM 20.01 19.03 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 64QAM 20.11 19.13 33.00	CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	16QAM	20.86	19.88	33.00	PASS
CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 16QAM 21.02 20.04 33.00 PASS CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 75RB+75RB 37825+37975 1RB#0 0RB#0 64QAM 20.35 19.37 33.00 PASS CA_38C 75RB+75RB 37825+38075 16RB#0 0RB#0 64QAM 20.37 19.39 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 64QAM 20.22 19.24 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 64QAM 20.01 19.03 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 64QAM 20.11 19.13 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 64QAM 20.16 19.18 33.00 </td <td>CA_38C</td> <td>100RB+100RB</td> <td>37901+38099</td> <td>1RB#0</td> <td>0RB#0</td> <td>16QAM</td> <td>20.85</td> <td>19.87</td> <td>33.00</td> <td>PASS</td>	CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	16QAM	20.85	19.87	33.00	PASS
CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 16QAM 20.80 19.82 33.00 PASS CA_38C 75RB+75RB 37825+37975 1RB#0 0RB#0 64QAM 20.35 19.37 33.00 PASS CA_38C 75RB+75RB 37825+37975 16RB#0 0RB#0 64QAM 20.37 19.39 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 64QAM 20.22 19.24 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 64QAM 20.01 19.03 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 64QAM 20.11 19.13 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 64QAM 20.16 19.18 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 64QAM 20.24 19.26 33.00 </td <td>CA_38C</td> <td>100RB+100RB</td> <td>37901+38099</td> <td>18RB#0</td> <td>0RB#0</td> <td>16QAM</td> <td>20.89</td> <td>19.91</td> <td>33.00</td> <td>PASS</td>	CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	16QAM	20.89	19.91	33.00	PASS
CA_38C 75RB+75RB 37825+37975 1RB#0 ORB#0 64QAM 20.35 19.37 33.00 PASS CA_38C 75RB+75RB 37825+37975 16RB#0 0RB#0 64QAM 20.37 19.39 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 64QAM 20.22 19.24 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 64QAM 20.01 19.03 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 64QAM 20.11 19.13 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 64QAM 20.11 19.13 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 64QAM 20.24 19.26 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 64QAM 20.04 19.06 33.00 <td>CA_38C</td> <td>100RB+100RB</td> <td>37952+38150</td> <td>1RB#0</td> <td>0RB#0</td> <td>16QAM</td> <td>21.02</td> <td>20.04</td> <td>33.00</td> <td>PASS</td>	CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	16QAM	21.02	20.04	33.00	PASS
CA_38C 75RB+75RB 37825+37975 16RB#0 0RB#0 64QAM 20.37 19.39 33.00 PASS CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 64QAM 20.22 19.24 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 64QAM 20.01 19.03 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 64QAM 20.11 19.13 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 64QAM 20.11 19.13 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 64QAM 20.16 19.18 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 64QAM 20.24 19.26 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 64QAM 20.04 19.06 33.00 </td <td>CA_38C</td> <td>100RB+100RB</td> <td>37952+38150</td> <td>18RB#0</td> <td>0RB#0</td> <td>16QAM</td> <td>20.80</td> <td>19.82</td> <td>33.00</td> <td>PASS</td>	CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	16QAM	20.80	19.82	33.00	PASS
CA_38C 75RB+75RB 37925+38075 1RB#0 0RB#0 64QAM 20.22 19.24 33.00 PASS CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 64QAM 20.01 19.03 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 64QAM 20.11 19.13 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 64QAM 20.16 19.18 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 64QAM 20.24 19.26 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 64QAM 20.09 19.11 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 64QAM 20.04 19.06 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 64QAM 20.19 19.21 33.	CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	64QAM	20.35	19.37	33.00	PASS
CA_38C 75RB+75RB 37925+38075 16RB#0 0RB#0 64QAM 20.01 19.03 33.00 PASS CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 64QAM 20.11 19.13 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 64QAM 20.16 19.18 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 64QAM 20.24 19.26 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 64QAM 20.09 19.11 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 64QAM 20.04 19.06 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 64QAM 20.19 19.21 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 64QAM 20.19 19.21	CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	64QAM	20.37	19.39	33.00	PASS
CA_38C 75RB+75RB 38025+38175 1RB#0 0RB#0 64QAM 20.11 19.13 33.00 PASS CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 64QAM 20.16 19.18 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 64QAM 20.24 19.26 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 64QAM 20.09 19.11 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 64QAM 20.04 19.06 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 64QAM 20.19 19.21 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 64QAM 20.32 19.34 33.00 PASS	CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	64QAM	20.22	19.24	33.00	PASS
CA_38C 75RB+75RB 38025+38175 16RB#0 0RB#0 64QAM 20.16 19.18 33.00 PASS CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 64QAM 20.24 19.26 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 64QAM 20.09 19.11 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 64QAM 20.04 19.06 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 64QAM 20.19 19.21 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 64QAM 20.32 19.34 33.00 PASS	CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	64QAM	20.01	19.03	33.00	PASS
CA_38C 100RB+100RB 37850+38048 1RB#0 0RB#0 64QAM 20.24 19.26 33.00 PASS CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 64QAM 20.09 19.11 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 64QAM 20.04 19.06 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 64QAM 20.19 19.21 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 64QAM 20.32 19.34 33.00 PASS	CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	64QAM	20.11	19.13	33.00	PASS
CA_38C 100RB+100RB 37850+38048 18RB#0 0RB#0 64QAM 20.09 19.11 33.00 PASS CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 64QAM 20.04 19.06 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 64QAM 20.19 19.21 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 64QAM 20.32 19.34 33.00 PASS	CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	64QAM	20.16	19.18	33.00	PASS
CA_38C 100RB+100RB 37901+38099 1RB#0 0RB#0 64QAM 20.04 19.06 33.00 PASS CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 64QAM 20.19 19.21 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 64QAM 20.32 19.34 33.00 PASS	CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	64QAM	20.24	19.26	33.00	PASS
CA_38C 100RB+100RB 37901+38099 18RB#0 0RB#0 64QAM 20.19 19.21 33.00 PASS CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 64QAM 20.32 19.34 33.00 PASS	CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	64QAM	20.09	19.11	33.00	PASS
CA_38C 100RB+100RB 37952+38150 1RB#0 0RB#0 64QAM 20.32 19.34 33.00 PASS	CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	64QAM	20.04	19.06	33.00	PASS
	CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	64QAM	20.19	19.21	33.00	PASS
CA_38C 100RB+100RB 37952+38150 18RB#0 0RB#0 64QAM 19.98 19.00 33.00 PASS	CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	64QAM	20.32	19.34	33.00	PASS
	CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	64QAM	19.98	19.00	33.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



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2 Peak-to-Average Ratio

Part I - Test Results

Test Band	Modulati on	Test Mode	Test Channel	PCC RB Config	SCC RB Config	Measured [dB]	Limit [dB]	Verdict
CA_38C	QPSK	100RB+100RB	37850+38048	100RB#0	100RB#0	6.99	13.00	PASS
CA_38C	QPSK	100RB+100RB	37901+38099	100RB#0	100RB#0	5.97	13.00	PASS
CA_38C	QPSK	100RB+100RB	37952+38150	100RB#0	100RB#0	7.48	13.00	PASS
CA_38C	16QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	6.46	13.00	PASS
CA_38C	16QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	7.71	13.00	PASS
CA_38C	16QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	6.64	13.00	PASS
CA_38C	64QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	6.09	13.00	PASS
CA_38C	64QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	7.04	13.00	PASS
CA_38C	64QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	6.09	13.00	PASS

2.1 For LTE

2.1.1 Test Band = LTE Band CA 38C

2.1.1.1 Test Mode = LTE /QPSK 100RB+100RB

2.1.1.1.1 Test Channel = 37850+38048





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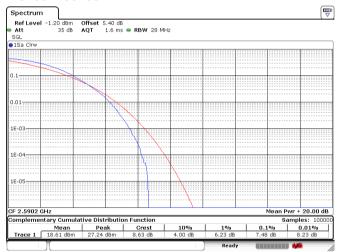
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2.1.1.1.2 Test Channel = 37901+38099



Date: 20 APR 2020 02:50:53

2.1.1.1.3 Test Channel = 37952+38150



Date: 20 APR 2020 02:52:04



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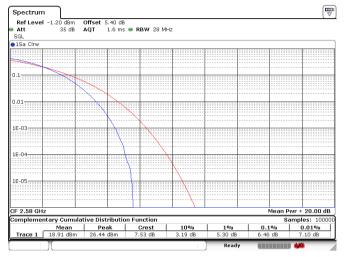


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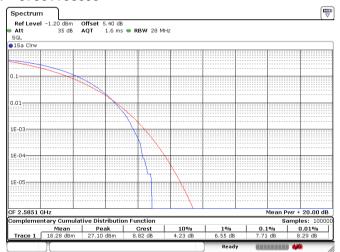
Test Mode = LTE /16QAM 100RB+100RB

2.1.1.1.4 Test Channel = 37850+38048



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2.1.1.1.5 Test Channel = 37901+38099



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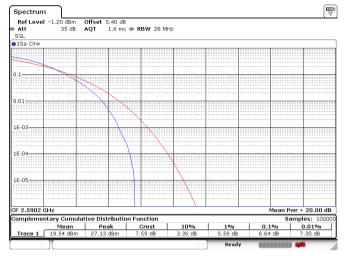
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2.1.1.1.6 Test Channel = 37952+38150



Date: 20 APR 2020 02:52:16

2.1.1.2 Test Mode = LTE /64QAM 100RB+100RB

2.1.1.2.1 Test Channel = 37850+38048



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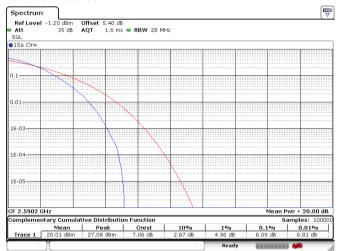
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2.1.1.2.2 Test Channel = 37901+38099



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2.1.1.2.3 Test Channel = 37952+38150



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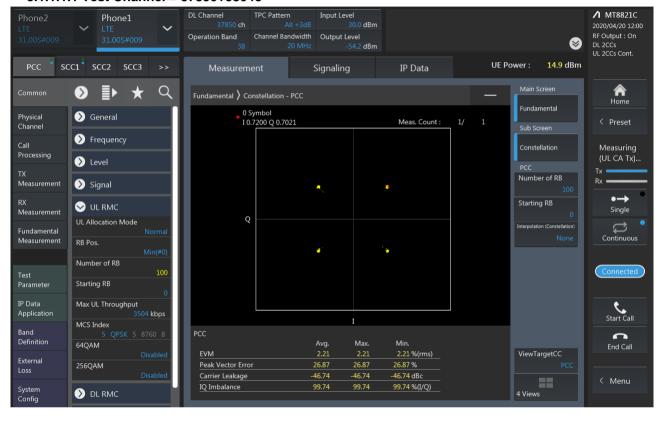
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3 Modulation Characteristics

3.1 For LTE

- 3.1.1 Test Band = LTE Band CA_38C
- 3.1.1.1 Test Mode = LTE /QPSK 100RB+100RB
 - 3.1.1.1.1 Test Channel = 37850+38048





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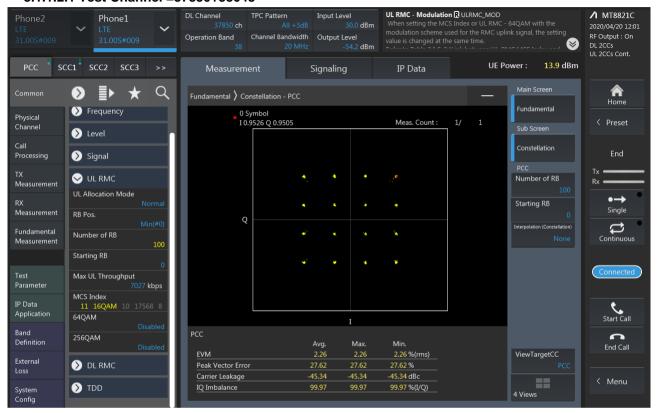


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3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB

3.1.1.2.1 Test Channel =37850+38048





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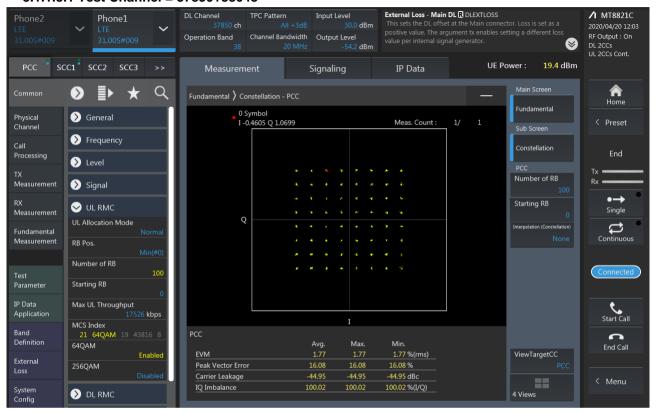


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3.1.1.3 Test Mode = LTE /64QAM 100RB+100RB

3.1.1.3.1 Test Channel = 37850+38048





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4 26dB Bandwidth and Occupied Bandwidth

Test Band	Modulation PCC&SCC	Test Mode PCC/SCC	Test Channel PCC/SCC	PCC RB	SCC RB	OBW [MHz]	EBW [MHz]	Verdict
CA_38C	QPSK	75RB+75RB	37825+37975	75RB#0	75RB#0	28.25	29.56	PASS
CA_38C	QPSK	75RB+75RB	37925+38075	75RB#0	75RB#0	28.22	29.53	PASS
CA_38C	QPSK	75RB+75RB	38025+38175	75RB#0	75RB#0	28.21	29.60	PASS
CA_38C	16QAM	75RB+75RB	37825+37975	75RB#0	75RB#0	28.22	29.60	PASS
CA_38C	16QAM	75RB+75RB	37925+38075	75RB#0	75RB#0	28.21	29.53	PASS
CA_38C	16QAM	75RB+75RB	38025+38175	75RB#0	75RB#0	28.21	29.60	PASS
CA_38C	64QAM	75RB+75RB	37825+37975	75RB#0	75RB#0	28.18	29.65	PASS
CA_38C	64QAM	75RB+75RB	37925+38075	75RB#0	75RB#0	28.18	29.53	PASS
CA_38C	64QAM	75RB+75RB	38025+38175	75RB#0	75RB#0	28.18	29.59	PASS
CA_38C	QPSK	100RB+100RB	37850+38048	100RB#0	100RB#0	37.37	39.25	PASS
CA_38C	QPSK	100RB+100RB	37901+38099	100RB#0	100RB#0	37.35	39.19	PASS
CA_38C	QPSK	100RB+100RB	37952+38150	100RB#0	100RB#0	37.39	39.27	PASS
CA_38C	16QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	37.43	39.37	PASS
CA_38C	16QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	37.43	39.62	PASS
CA_38C	16QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	37.41	39.45	PASS
CA_38C	64QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	37.35	39.37	PASS
CA_38C	64QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	37.37	39.25	PASS
CA_38C	64QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	37.35	39.23	PASS



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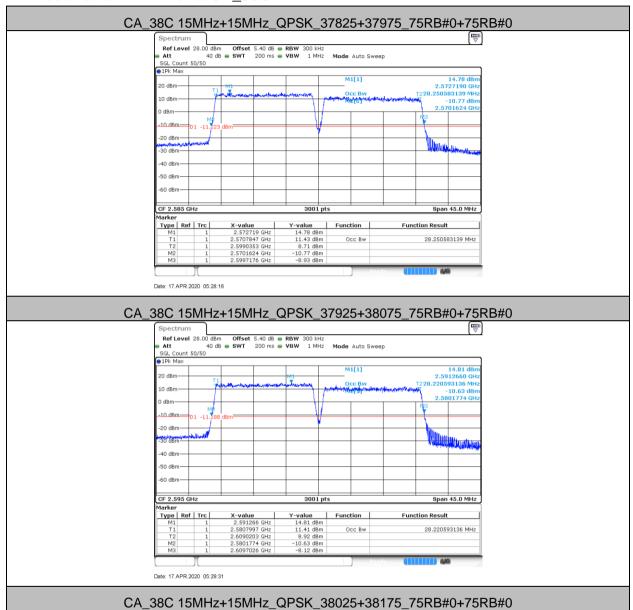
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4.1 For LTE

4.1.1 Test Band = LTE Band CA 38C





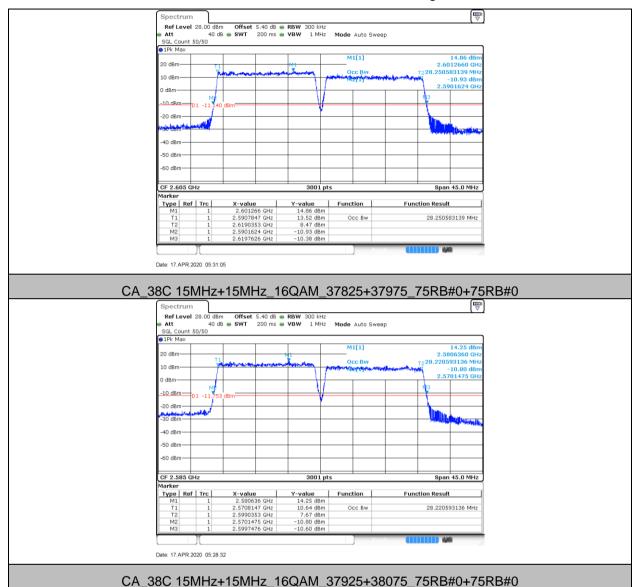
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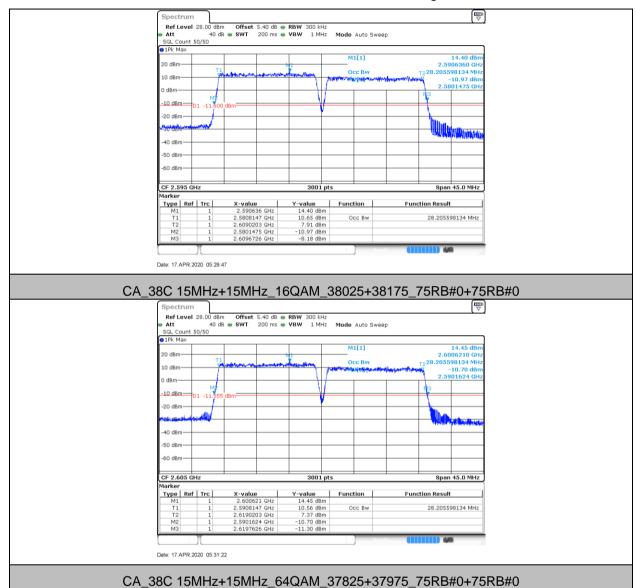
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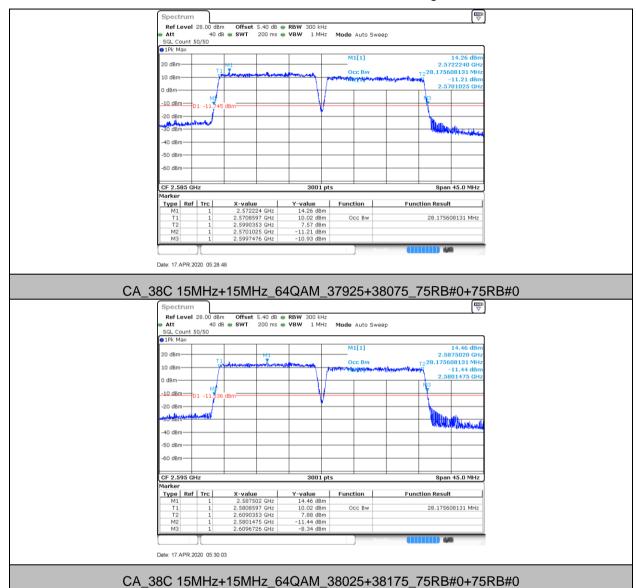
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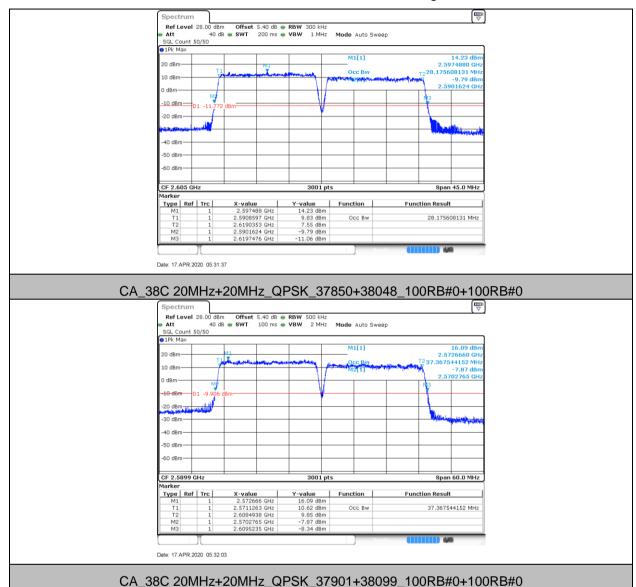
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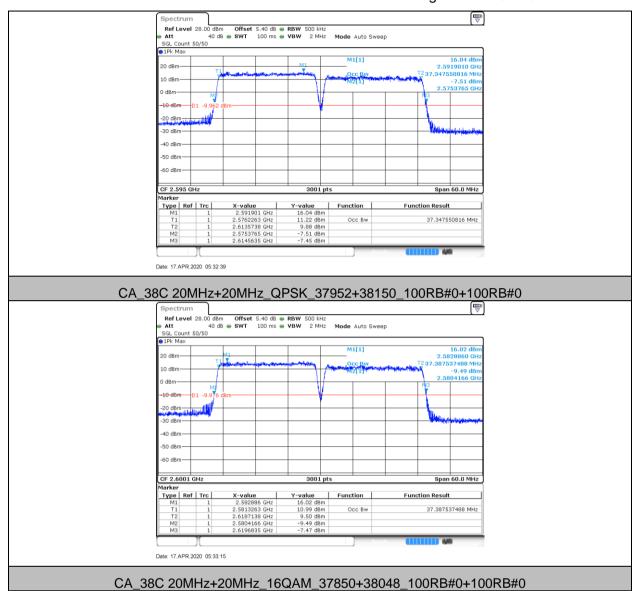
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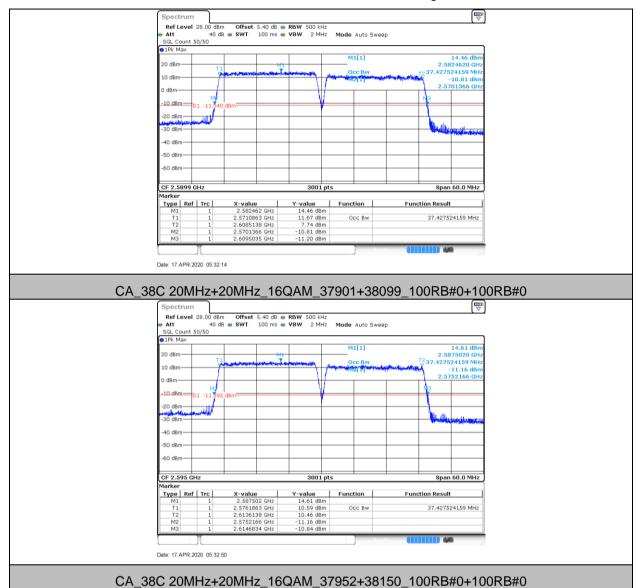
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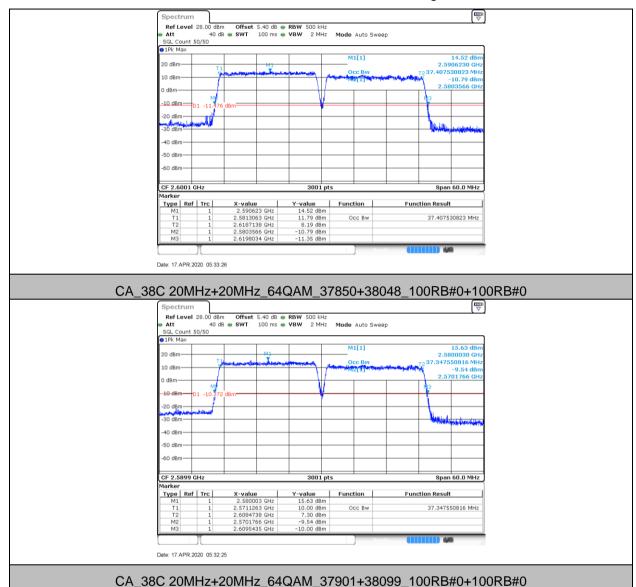
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 tt (86-755) 26012053 ft (86-755) 26710594 www.sgsgroup.com.cn 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 tt (86-755) 26012053 ft (86-755) 26710594 sgs.china@sgs.com

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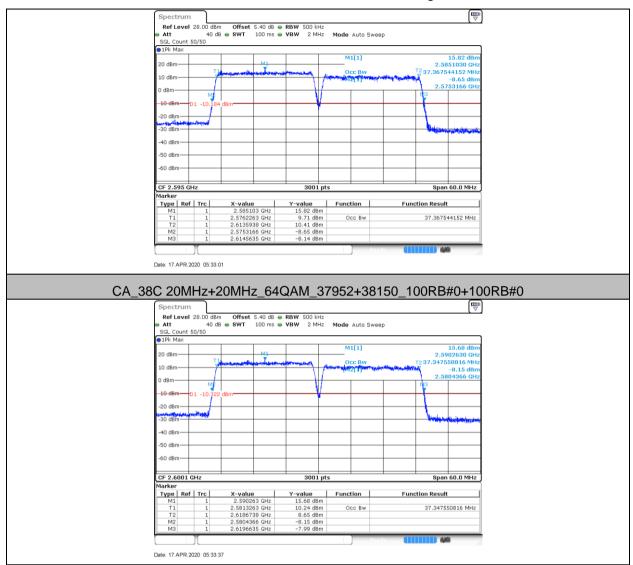
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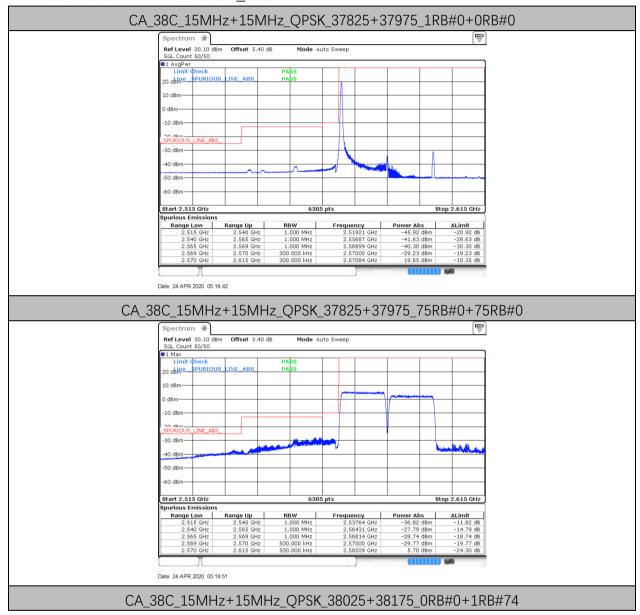
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5 Band Edges Compliance

5.1 For LTE

5.1.1 Test Band = LTE Band CA 38C





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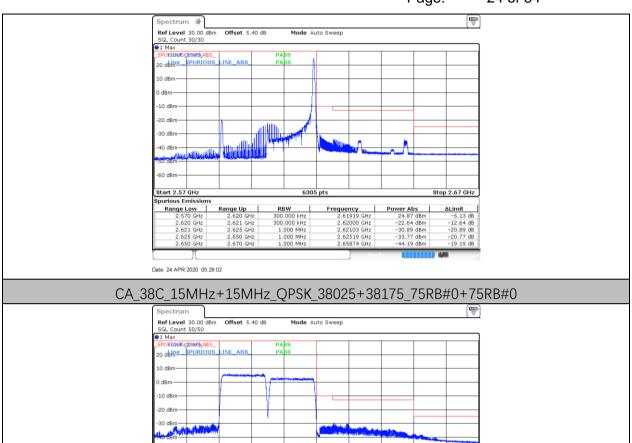


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Stop 2.67 GHz

ΔLimit



Date: 24.APR.2020 05:30:11

Range Low

Range Up

-50 dBm

CA 38C 15MHz+15MHz 16QAM 37825+37975 1RB#0+0RB#0

6305 pts

Erequency 2.59328 GHz 2.62000 GHz 2.62250 GHz 2.62551 GHz 2.65033 GHz



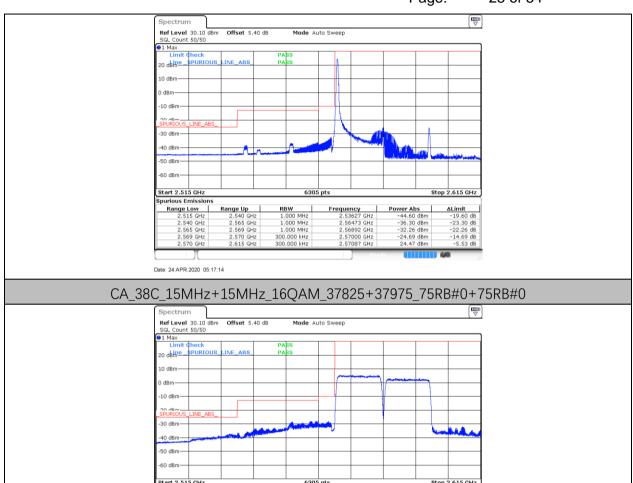
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Date: 24.APR.2020 05:20:20

Range Low 2.515 GHz Range Up

CA_38C_15MHz+15MHz_16QAM_38025+38175_0RB#0+1RB#74



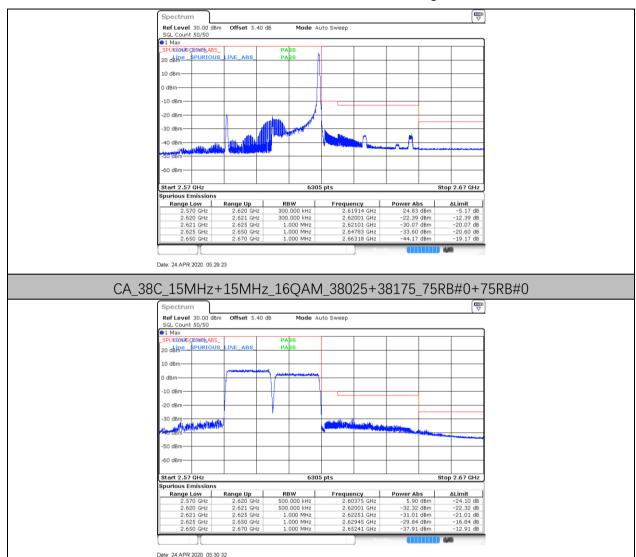
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CA 38C 15MHz+15MHz 64QAM 37825+37975 1RB#0+0RB#0



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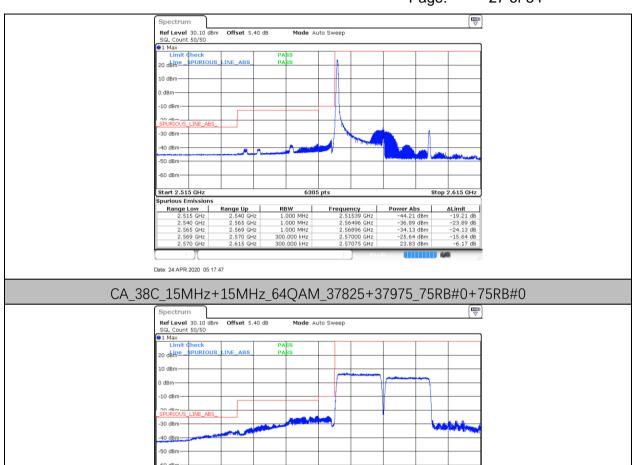
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ΔLimit



Date: 24.APR.2020 05:20:48

Range Low 2.515 GHz Range Up

CA 38C 15MHz+15MHz 64QAM 38025+38175 0RB#0+1RB#74



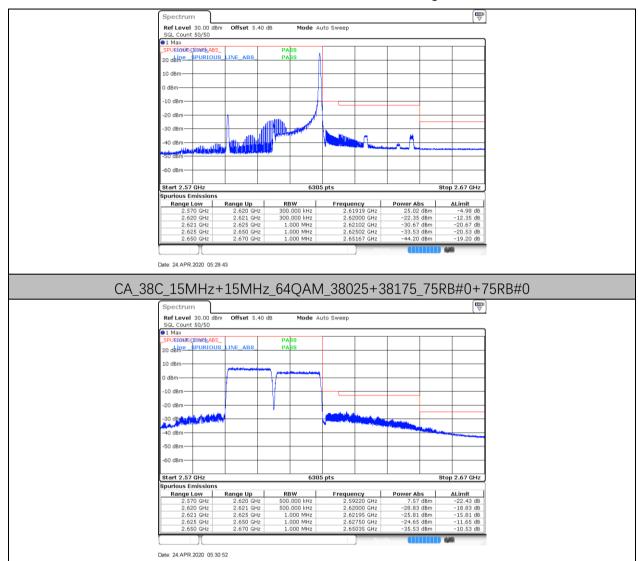
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CA 38C 20MHz+20MHz QPSK 37850+38048 1RB#0+0RB#0



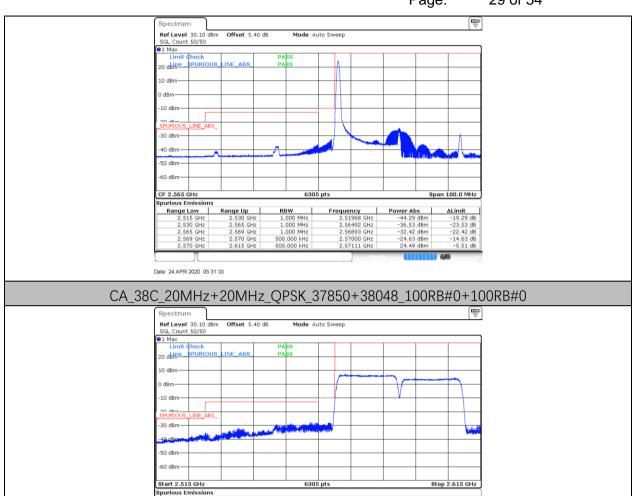
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Date: 24.APR.2020 05:33:07

Range Low

CA 38C 20MHz+20MHz QPSK 37952+38150 0RB#0+1RB#99



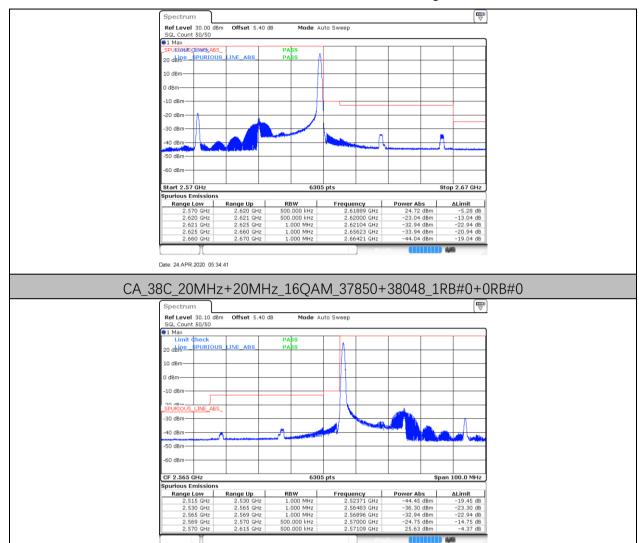
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CA 38C 20MHz+20MHz 16QAM 37850+38048 100RB#0+100RB#0

Date: 24.APR.2020 05:32:02



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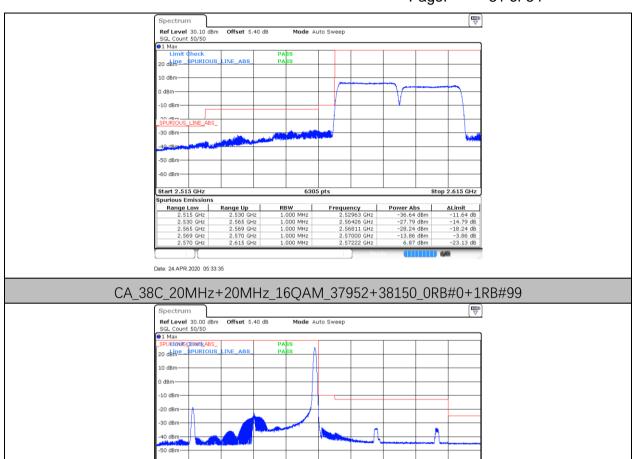
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ΔLimit



Date: 24.APR.2020 05:35:09

Range Low

Range Up

CA 38C 20MHz+20MHz 16QAM 37952+38150 100RB#0+100RB#0



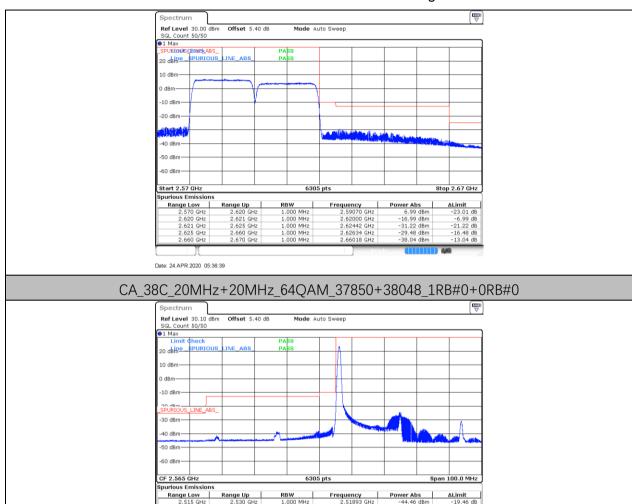
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Date: 24.APR.2020 05:32:30

CA 38C 20MHz+20MHz 64QAM 37850+38048 100RB#0+100RB#0



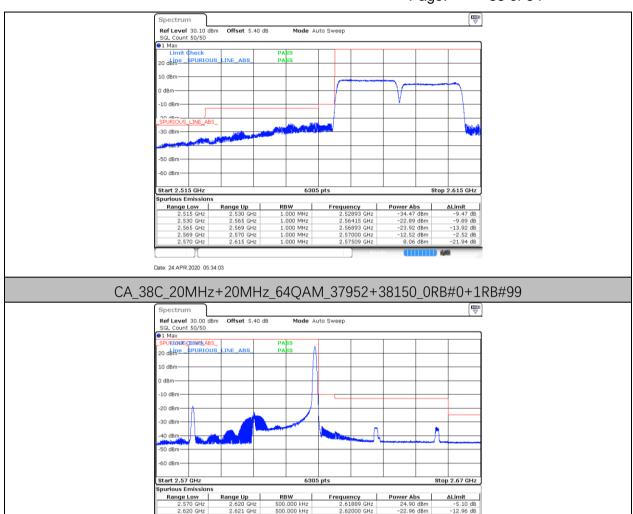
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CA 38C 20MHz+20MHz 64QAM 37952+38150 100RB#0+100RB#0

Date: 24.APR.2020 05:35:38



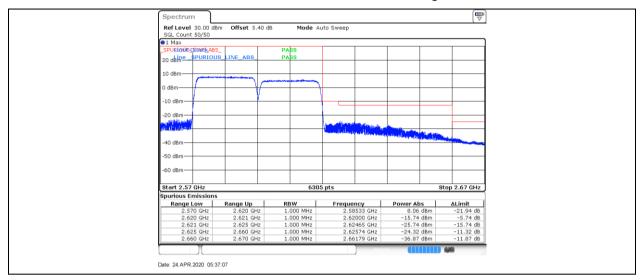
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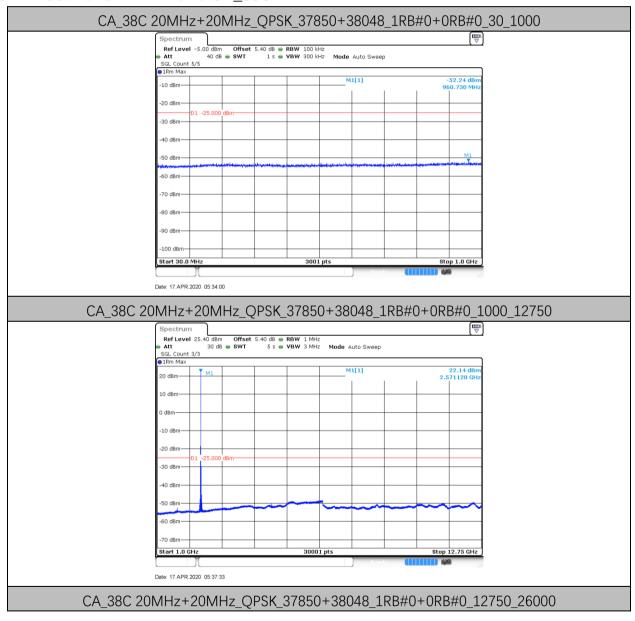
6 Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k = 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = LTE Band CA 38C





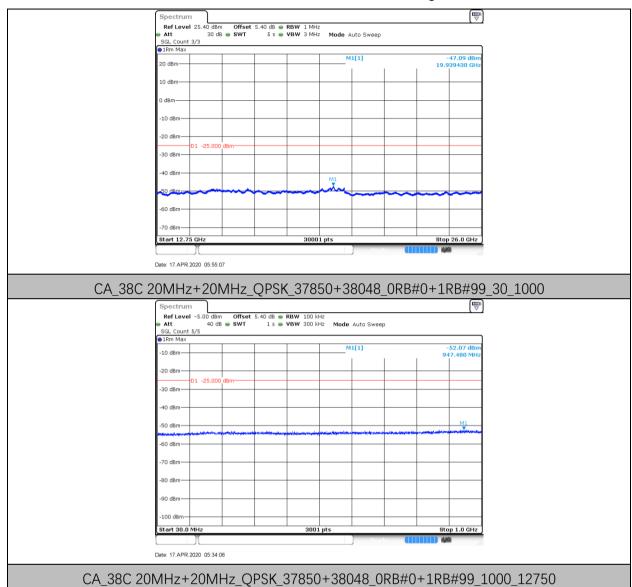
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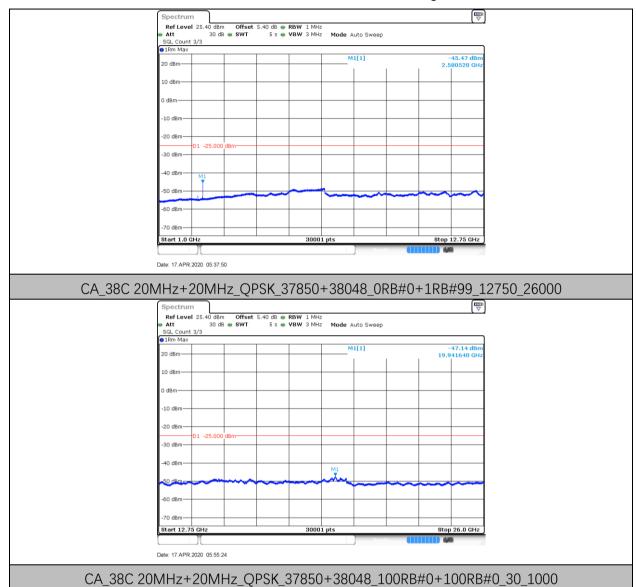
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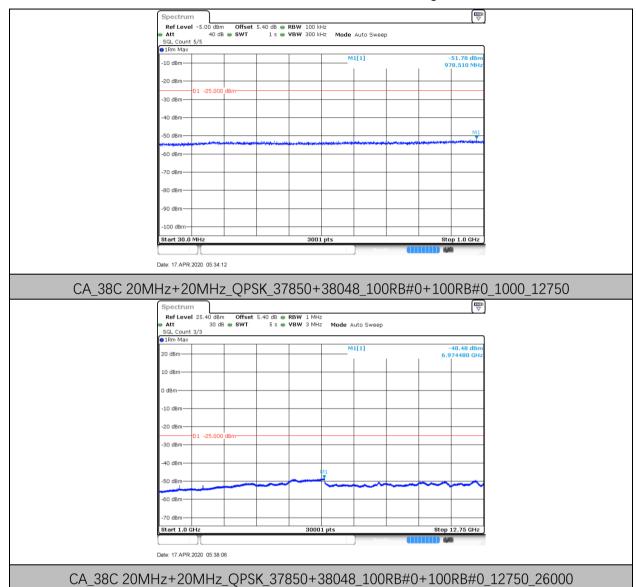
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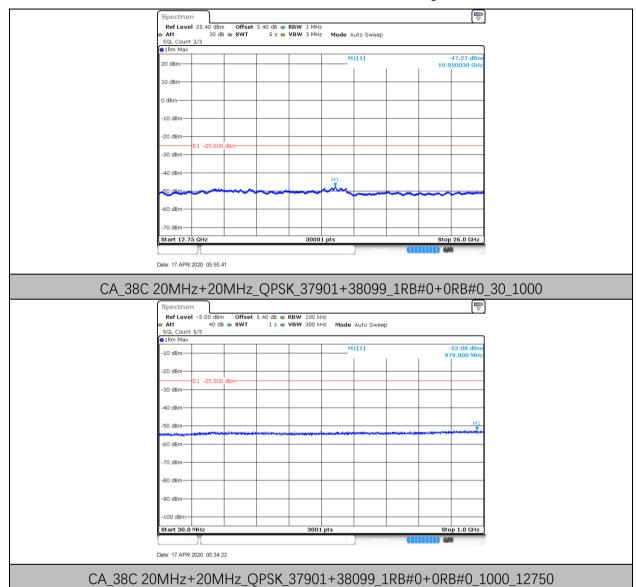
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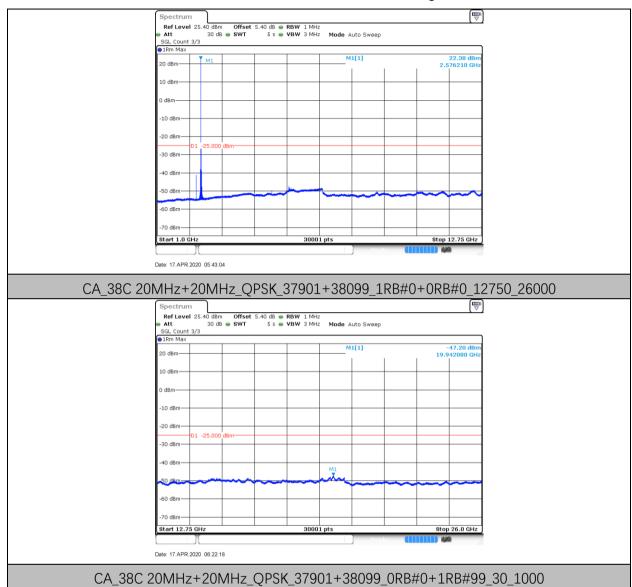
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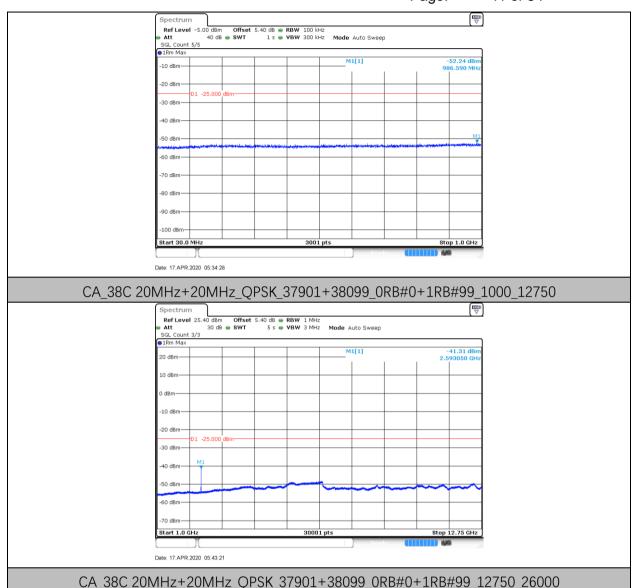
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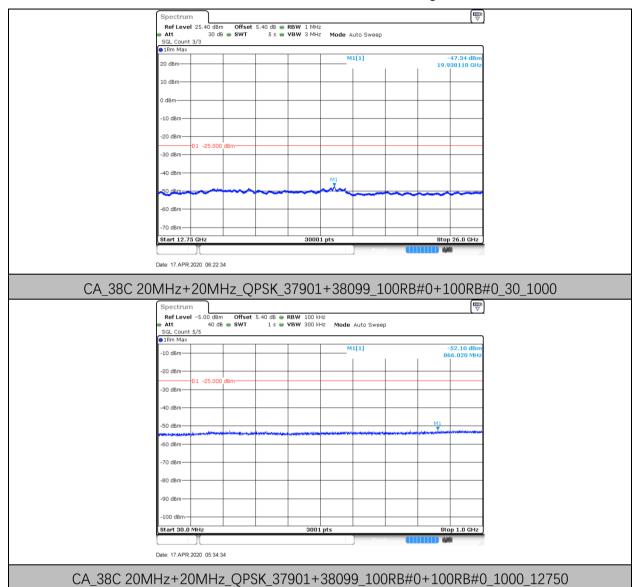
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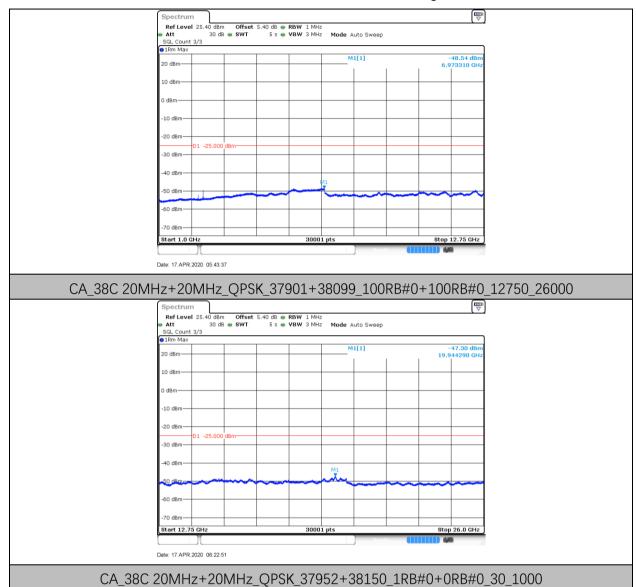
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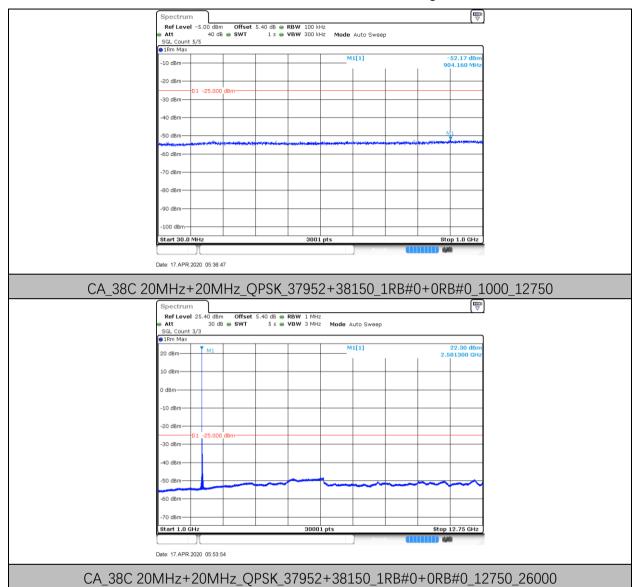
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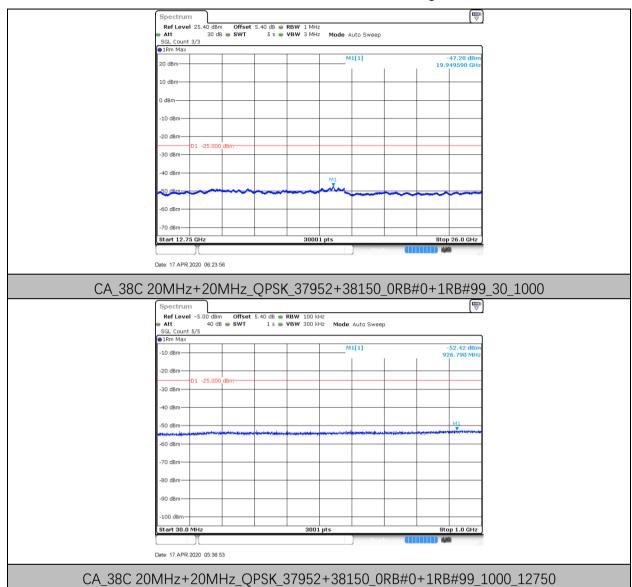
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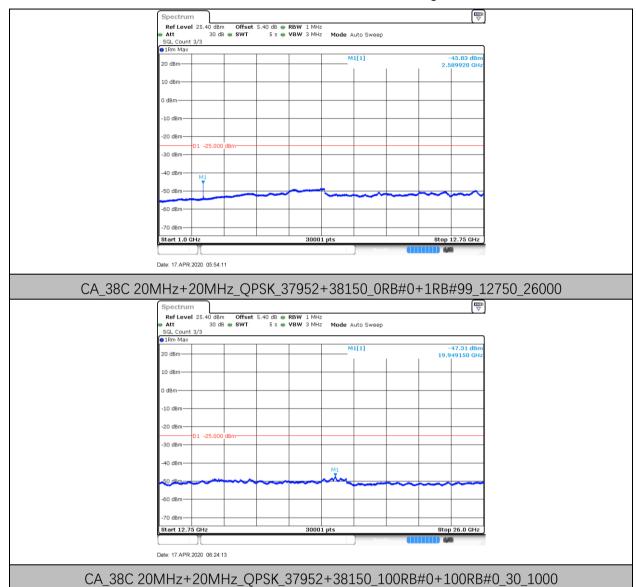
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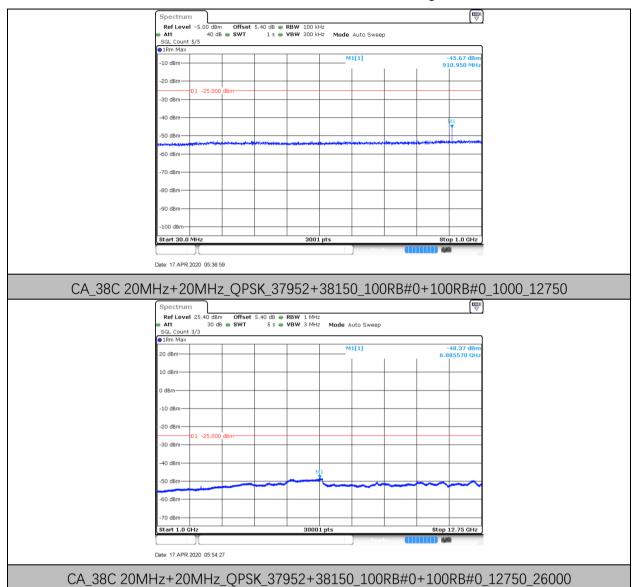
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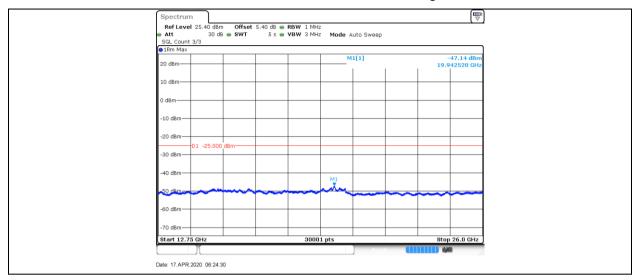
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7 Field Strength of Spurious Radiation

7.1 For LTE UL CA

7.1.1 Test Band = LTE Band CA 38C (Down Ant)

7.1.1.1 Test Mode =LTE/QPSK

7.1.1.1 Test Channel = LCH

7.1.1.1.1 Test Gridinici – Esti						
Frequency (MHz)	MHz) Level (dBm) Limit Line (dBm) Margin (dB)		Polarization			
54.5659	-70.90	-25.00	45.90	Vertical		
110.3286	-63.58	-25.00	38.58	Vertical		
464.8031	-65.85	-25.00	40.85	Vertical		
1790.6112	-43.65	-25.00	18.65	Vertical		
7439.7221	-55.43	-25.00	30.43	Vertical		
17990.0801	-39.94	-25.00	14.94	Vertical		
45.3491	-62.23	-25.00	37.23	Horizontal		
238.9362	-67.18	-25.00	42.18	Horizontal		
658.3913	-62.51	-25.00	37.51	Horizontal		
1800.6562	-42.93	-25.00	17.93	Horizontal		
9323.3167	3167 -51.67 -25.00 26.67		Horizontal			
16371.7067	-43.49	-25.00	18.49	Horizontal		

7.1.1.1.2 Test Channel = MCH

7.1.1.1.2 Tool Onlander – Mori							
Frequency (MHz)	Level (dBm)	el (dBm) Limit Line (dBm) Margin (dB)		Polarization			
114.0204	-63.68	-25.00	38.68	Vertical			
283.0042	-68.10	-25.00	43.10	Vertical			
677.3860	-62.93	-25.00	37.93	Vertical			
2088.3538	-41.49	-25.00	16.49	Vertical			
8026.0960	-54.42	-25.00	29.42	Vertical			
17991.7403	-39.40	-25.00	14.40	Vertical			
44.6944	-63.89	-25.00	38.89	Horizontal			
232.3444	-68.38	-25.00	43.38	Horizontal			
870.3369	-59.86	-25.00	34.86	Horizontal			
1786.3707	-43.40	-25.00	18.40	Horizontal			
7441.5501	-55.48	-25.00	-25.00 30.48				
16392.7788	-43.52	-25.00	18.52	Horizontal			



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7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.4773	-68.63	-25.00	43.63	Vertical
108.1518	-64.17	-25.00	39.17	Vertical
393.8207	-66.82	-25.00	41.82	Vertical
1788.8525	-43.46	-25.00	18.46	Vertical
7955.7115	-55.46	-25.00	30.46	Vertical
17997.8789	-39.44	-25.00	14.44	Vertical
47.0633	-65.17	-25.00	40.17	Horizontal
234.9408	-67.67	-25.00	42.67	Horizontal
639.7400	-62.78	-25.00	37.78	Horizontal
1803.9845	-42.97	-25.00	17.97	Horizontal
9339.9307	-52.02	-25.00	27.02	Horizontal
16392.9931	-43.40	-25.00	18.40	Horizontal

7.1.2 Test Band = LTE Band CA_38C (Up Ant)

7.1.2.1 Test Mode =LTE/QPSK

7.1.2.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
54.5904	-70.60	-25.00	45.60	Vertical
110.4612	-63.30	-25.00	38.30	Vertical
464.7989	-65.61	-25.00	40.61	Vertical
1790.5547	-43.67	-25.00	18.67	Vertical
7440.1875	-55.23	-25.00	30.23	Vertical
17990.4081	-40.08	-25.00	15.08	Vertical
45.7414	-62.12	-25.00	37.12	Horizontal
239.5071	-67.04	-25.00	42.04	Horizontal
659.1094	-62.14	-25.00	37.14	Horizontal
1801.0190	-42.51	-25.00	17.51	Horizontal
9323.6591	-51.18	-25.00	26.18	Horizontal
16371.7617	-43.10	-25.00	18.10	Horizontal



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7.1.2.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
114.5874	-63.45	-25.00	38.45	Vertical
283.1954	-68.43	-25.00	43.43	Vertical
677.5008	-62.64	-25.00	37.64	Vertical
2088.7310	-41.15	-25.00	16.15	Vertical
8026.3303	-54.17	-25.00	29.17	Vertical
17991.9132	-39.27	-25.00	14.27	Vertical
44.8614	-63.43	-25.00	38.43	Horizontal
232.7351	-67.55	-25.00	42.55	Horizontal
870.6141	-59.42	-25.00	34.42	Horizontal
1786.9273	-43.02	-25.00	18.02	Horizontal
7441.6175	-55.35	-25.00	30.35	Horizontal
16392.6654	-43.11	-25.00	18.11	Horizontal

7.1.2.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm) Limit Line (dBm) Margin (dB)		Polarization	
63.8855	-68.44	-25.00	43.44	Vertical
108.6289	-64.16	-25.00	39.16	Vertical
394.4028	-65.99	-25.00	40.99	Vertical
1788.8757	-43.29	-25.00	18.29	Vertical
7956.0511	-55.22	-25.00	30.22	Vertical
17998.1054	-39.34	-25.00	14.34	Vertical
47.1665	-65.11	-25.00	40.11	Horizontal
235.1035	-67.14	-25.00	42.14	Horizontal
640.0460	-62.11	-25.00	37.11	Horizontal
1803.8821	-42.77	-25.00	17.77	Horizontal
9340.0969	-51.96	-25.00 26.96		Horizontal
16393.3044	-42.95	-25.00	17.95	Horizontal

Remark:

- According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.



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8 Frequency Stability

8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	RB Config	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	TN	NV	11.06	0.004286	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	TN	NV	-2.18	-0.000845	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	TN	NV	-11.58	-0.004470	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	TN	NV	-2.36	-0.000916	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	TN	NV	5.25	0.002029	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	TN	NV	-4.86	-0.001875	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	TN	NV	1.24	0.000482	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	TN	NV	-11.32	-0.004378	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	TN	NV	-12.68	-0.004894	PASS

8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	RB Config	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	-30	13.44	0.005208	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	-20	14.23	0.005514	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	-10	-5.94	-0.002302	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	0	9.80	0.003798	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	10	10.96	0.004247	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	20	5.78	0.002239	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	30	6.03	0.002337	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	40	-4.46	-0.001728	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	50	-8.02	-0.003107	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	-30	-11.12	-0.004302	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	-20	6.05	0.002342	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	-10	2.34	0.000904	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	0	-0.89	-0.000344	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	10	14.45	0.005591	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	20	9.68	0.003746	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	30	-3.04	-0.001176	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	40	-4.08	-0.001577	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	50	1.50	0.000581	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	-30	-0.15	-0.000057	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	-20	9.74	0.003760	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	-10	-9.59	-0.003701	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	0	8.54	0.003297	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	10	-12.31	-0.004754	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	20	-5.99	-0.002314	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	30	-7.25	-0.002799	PASS



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					ago.			
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	40	8.26	0.003188	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	50	-0.72	-0.000278	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	-30	-14.01	-0.005431	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	-20	-8.70	-0.003372	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	-10	-12.28	-0.004761	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	0	0.39	0.000152	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	10	-12.62	-0.004893	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	20	12.61	0.004889	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	30	6.81	0.002641	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	40	15.68	0.006079	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	50	7.77	0.003010	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	-30	8.23	0.003185	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	-20	7.44	0.002878	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	-10	-2.34	-0.000904	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	0	14.73	0.005697	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	10	11.74	0.004541	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	20	-11.97	-0.004630	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	30	14.29	0.005527	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	40	-12.29	-0.004756	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	50	13.92	0.005387	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	-30	7.96	0.003072	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	-20	-8.13	-0.003140	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	-10	-12.05	-0.004652	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	0	5.69	0.002198	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	10	-0.01	-0.000004	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	20	1.61	0.000623	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	30	10.70	0.004131	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	40	0.57	0.000218	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	50	-13.04	-0.005034	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	-30	8.50	0.003296	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	-20	-0.18	-0.000069	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	-10	0.98	0.000381	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	0	-8.64	-0.003348	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	10	3.91	0.001516	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	20	-14.60	-0.005658	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	30	-7.66	-0.002967	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	40	10.11	0.003917	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	50	12.31	0.004770	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	-30	-9.09	-0.003518	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	-20	3.35	0.001296	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	-10	-10.97	-0.004244	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	0	-1.67	-0.000645	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	10	6.73	0.002604	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	20	-11.95	-0.004621	PASS



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CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	30	13.63	0.005271	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	40	0.59	0.000229	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	50	8.48	0.003279	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	-30	7.04	0.002719	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	-20	-4.67	-0.001801	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	-10	12.49	0.004822	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	0	-4.93	-0.001903	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	10	5.91	0.002281	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	20	-3.48	-0.001342	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	30	-2.51	-0.000969	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	40	-14.74	-0.005690	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	50	2.96	0.001143	PASS

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