



# Appendix B

## E-UTRA Band CA\_7C



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# 1 Effective (Isotropic) Radiated Power Output Data

## 1.1 Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE Band CA\_7C (Down Antenna)

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_7C	75RB+75RB	20825+20975	1RB@0	0RB@0	QPSK	22.55	24.66	33.00	Pass
CA_7C	75RB+75RB	20825+20975	16RB@0	0RB@0	QPSK	22.67	24.78	33.00	Pass
CA_7C	75RB+75RB	21025+21175	1RB@0	0RB@0	QPSK	22.60	24.71	33.00	Pass
CA_7C	75RB+75RB	21025+21175	16RB@0	0RB@0	QPSK	22.59	24.70	33.00	Pass
CA_7C	75RB+75RB	21225+21375	1RB@0	0RB@0	QPSK	22.34	24.45	33.00	Pass
CA_7C	75RB+75RB	21225+21375	16RB@0	0RB@0	QPSK	22.46	24.57	33.00	Pass
CA_7C	75RB+75RB	20975+20825	1RB@0	0RB@0	QPSK	22.49	24.60	33.00	Pass
CA_7C	75RB+75RB	20975+20825	16RB@0	0RB@0	QPSK	22.52	24.63	33.00	Pass
CA_7C	75RB+75RB	21175+21025	1RB@0	0RB@0	QPSK	22.40	24.51	33.00	Pass
CA_7C	75RB+75RB	21175+21025	16RB@0	0RB@0	QPSK	22.49	24.60	33.00	Pass
CA_7C	75RB+75RB	21375+21225	1RB@0	0RB@0	QPSK	22.38	24.49	33.00	Pass
CA_7C	75RB+75RB	21375+21225	16RB@0	0RB@0	QPSK	22.55	24.66	33.00	Pass
CA_7C	100RB+100RB	20850+21048	1RB@0	0RB@0	QPSK	21.67	23.78	33.00	Pass
CA_7C	100RB+100RB	20850+21048	18RB@0	0RB@0	QPSK	21.60	23.71	33.00	Pass
CA_7C	100RB+100RB	21001+21199	1RB@0	0RB@0	QPSK	21.67	23.78	33.00	Pass
CA_7C	100RB+100RB	21001+21199	18RB@0	0RB@0	QPSK	21.43	23.54	33.00	Pass
CA_7C	100RB+100RB	21152+21350	1RB@0	0RB@0	QPSK	21.75	23.86	33.00	Pass
CA_7C	100RB+100RB	21152+21350	18RB@0	0RB@0	QPSK	21.43	23.54	33.00	Pass
CA_7C	100RB+100RB	21048+20850	1RB@0	0RB@0	QPSK	21.67	23.78	33.00	Pass
CA_7C	100RB+100RB	21048+20850	18RB@0	0RB@0	QPSK	21.65	23.76	33.00	Pass
CA_7C	100RB+100RB	21199+21001	1RB@0	0RB@0	QPSK	21.60	23.71	33.00	Pass
CA_7C	100RB+100RB	21199+21001	18RB@0	0RB@0	QPSK	21.50	23.61	33.00	Pass
CA_7C	100RB+100RB	21350+21152	1RB@0	0RB@0	QPSK	21.55	23.66	33.00	Pass
CA_7C	100RB+100RB	21350+21152	18RB@0	0RB@0	QPSK	21.29	23.40	33.00	Pass
CA_7C	75RB+75RB	20825+20975	1RB@0	0RB@0	16QAM	20.70	22.81	33.00	Pass
CA_7C	75RB+75RB	20825+20975	16RB@0	0RB@0	16QAM	20.57	22.68	33.00	Pass
CA_7C	75RB+75RB	21025+21175	1RB@0	0RB@0	16QAM	20.64	22.75	33.00	Pass
CA_7C	75RB+75RB	21025+21175	16RB@0	0RB@0	16QAM	20.41	22.52	33.00	Pass
CA_7C	75RB+75RB	21225+21375	1RB@0	0RB@0	16QAM	20.47	22.58	33.00	Pass
CA_7C	75RB+75RB	21225+21375	16RB@0	0RB@0	16QAM	20.41	22.52	33.00	Pass
CA_7C	75RB+75RB	20975+20825	1RB@0	0RB@0	16QAM	20.60	22.71	33.00	Pass
CA_7C	75RB+75RB	20975+20825	16RB@0	0RB@0	16QAM	20.65	22.76	33.00	Pass
CA_7C	75RB+75RB	21175+21025	1RB@0	0RB@0	16QAM	20.50	22.61	33.00	Pass
CA_7C	75RB+75RB	21175+21025	16RB@0	0RB@0	16QAM	20.46	22.57	33.00	Pass
CA_7C	75RB+75RB	21375+21225	1RB@0	0RB@0	16QAM	20.63	22.74	33.00	Pass
CA_7C	75RB+75RB	21375+21225	16RB@0	0RB@0	16QAM	20.40	22.51	33.00	Pass
CA_7C	100RB+100RB	20850+21048	1RB@0	0RB@0	16QAM	22.69	24.80	33.00	Pass



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CA_7C	100RB+100RB	20850+21048	18RB@0	0RB@0	16QAM	22.77	24.88	33.00	Pass
CA_7C	100RB+100RB	21001+21199	1RB@0	0RB@0	16QAM	22.53	24.64	33.00	Pass
CA_7C	100RB+100RB	21001+21199	18RB@0	0RB@0	16QAM	22.59	24.70	33.00	Pass
CA_7C	100RB+100RB	21152+21350	1RB@0	0RB@0	16QAM	22.52	24.63	33.00	Pass
CA_7C	100RB+100RB	21152+21350	18RB@0	0RB@0	16QAM	22.62	24.73	33.00	Pass
CA_7C	100RB+100RB	21048+20850	1RB@0	0RB@0	16QAM	22.54	24.65	33.00	Pass
CA_7C	100RB+100RB	21048+20850	18RB@0	0RB@0	16QAM	22.70	24.81	33.00	Pass
CA_7C	100RB+100RB	21199+21001	1RB@0	0RB@0	16QAM	22.59	24.70	33.00	Pass
CA_7C	100RB+100RB	21199+21001	18RB@0	0RB@0	16QAM	22.51	24.62	33.00	Pass
CA_7C	100RB+100RB	21350+21152	1RB@0	0RB@0	16QAM	22.45	24.56	33.00	Pass
CA_7C	100RB+100RB	21350+21152	18RB@0	0RB@0	16QAM	22.69	24.80	33.00	Pass
CA_7C	75RB+75RB	20825+20975	1RB@0	0RB@0	64QAM	22.04	24.15	33.00	Pass
CA_7C	75RB+75RB	20825+20975	16RB@0	0RB@0	64QAM	21.81	23.92	33.00	Pass
CA_7C	75RB+75RB	21025+21175	1RB@0	0RB@0	64QAM	22.13	24.24	33.00	Pass
CA_7C	75RB+75RB	21025+21175	16RB@0	0RB@0	64QAM	21.68	23.79	33.00	Pass
CA_7C	75RB+75RB	21225+21375	1RB@0	0RB@0	64QAM	21.86	23.97	33.00	Pass
CA_7C	75RB+75RB	21225+21375	16RB@0	0RB@0	64QAM	21.57	23.68	33.00	Pass
CA_7C	75RB+75RB	20975+20825	1RB@0	0RB@0	64QAM	21.94	24.05	33.00	Pass
CA_7C	75RB+75RB	20975+20825	16RB@0	0RB@0	64QAM	21.60	23.71	33.00	Pass
CA_7C	75RB+75RB	21175+21025	1RB@0	0RB@0	64QAM	21.99	24.10	33.00	Pass
CA_7C	75RB+75RB	21175+21025	16RB@0	0RB@0	64QAM	21.62	23.73	33.00	Pass
CA_7C	75RB+75RB	21375+21225	1RB@0	0RB@0	64QAM	21.94	24.05	33.00	Pass
CA_7C	75RB+75RB	21375+21225	16RB@0	0RB@0	64QAM	21.72	23.83	33.00	Pass
CA_7C	100RB+100RB	20850+21048	1RB@0	0RB@0	64QAM	20.82	22.93	33.00	Pass
CA_7C	100RB+100RB	20850+21048	18RB@0	0RB@0	64QAM	20.82	22.93	33.00	Pass
CA_7C	100RB+100RB	21001+21199	1RB@0	0RB@0	64QAM	20.82	22.93	33.00	Pass
CA_7C	100RB+100RB	21001+21199	18RB@0	0RB@0	64QAM	20.59	22.70	33.00	Pass
CA_7C	100RB+100RB	21152+21350	1RB@0	0RB@0	64QAM	20.80	22.91	33.00	Pass
CA_7C	100RB+100RB	21152+21350	18RB@0	0RB@0	64QAM	20.58	22.69	33.00	Pass
CA_7C	100RB+100RB	21048+20850	1RB@0	0RB@0	64QAM	20.90	23.01	33.00	Pass
CA_7C	100RB+100RB	21048+20850	18RB@0	0RB@0	64QAM	20.74	22.85	33.00	Pass
CA_7C	100RB+100RB	21199+21001	1RB@0	0RB@0	64QAM	20.87	22.98	33.00	Pass
CA_7C	100RB+100RB	21199+21001	18RB@0	0RB@0	64QAM	20.56	22.67	33.00	Pass
CA_7C	100RB+100RB	21350+21152	1RB@0	0RB@0	64QAM	20.97	23.08	33.00	Pass
CA_7C	100RB+100RB	21350+21152	18RB@0	0RB@0	64QAM	20.73	22.84	33.00	Pass

**1.1 Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE Band CA\_7C (Up Antenna)**

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_7C	75RB+75RB	20825+20975	1RB@0	0RB@0	QPSK	19.13	18.24	33.00	Pass
CA_7C	75RB+75RB	20825+20975	16RB@0	0RB@0	QPSK	19.26	18.37	33.00	Pass
CA_7C	75RB+75RB	21025+21175	1RB@0	0RB@0	QPSK	19.02	18.13	33.00	Pass
CA_7C	75RB+75RB	21025+21175	16RB@0	0RB@0	QPSK	19.07	18.18	33.00	Pass
CA_7C	75RB+75RB	21225+21375	1RB@0	0RB@0	QPSK	18.96	18.07	33.00	Pass
CA_7C	75RB+75RB	21225+21375	16RB@0	0RB@0	QPSK	19.01	18.12	33.00	Pass



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CA_7C	75RB+75RB	20975+20825	1RB@0	0RB@0	QPSK	19.14	18.25	33.00	Pass
CA_7C	75RB+75RB	20975+20825	16RB@0	0RB@0	QPSK	19.10	18.21	33.00	Pass
CA_7C	75RB+75RB	21175+21025	1RB@0	0RB@0	QPSK	18.95	18.06	33.00	Pass
CA_7C	75RB+75RB	21175+21025	16RB@0	0RB@0	QPSK	19.13	18.24	33.00	Pass
CA_7C	75RB+75RB	21375+21225	1RB@0	0RB@0	QPSK	19.00	18.11	33.00	Pass
CA_7C	75RB+75RB	21375+21225	16RB@0	0RB@0	QPSK	18.95	18.06	33.00	Pass
CA_7C	100RB+100RB	20850+21048	1RB@0	0RB@0	QPSK	19.06	18.17	33.00	Pass
CA_7C	100RB+100RB	20850+21048	18RB@0	0RB@0	QPSK	19.31	18.42	33.00	Pass
CA_7C	100RB+100RB	21001+21199	1RB@0	0RB@0	QPSK	19.16	18.27	33.00	Pass
CA_7C	100RB+100RB	21001+21199	18RB@0	0RB@0	QPSK	19.32	18.43	33.00	Pass
CA_7C	100RB+100RB	21152+21350	1RB@0	0RB@0	QPSK	19.24	18.35	33.00	Pass
CA_7C	100RB+100RB	21152+21350	18RB@0	0RB@0	QPSK	19.25	18.36	33.00	Pass
CA_7C	100RB+100RB	21048+20850	1RB@0	0RB@0	QPSK	19.25	18.36	33.00	Pass
CA_7C	100RB+100RB	21048+20850	18RB@0	0RB@0	QPSK	19.13	18.24	33.00	Pass
CA_7C	100RB+100RB	21199+21001	1RB@0	0RB@0	QPSK	19.06	18.17	33.00	Pass
CA_7C	100RB+100RB	21199+21001	18RB@0	0RB@0	QPSK	19.22	18.33	33.00	Pass
CA_7C	100RB+100RB	21350+21152	1RB@0	0RB@0	QPSK	19.07	18.18	33.00	Pass
CA_7C	100RB+100RB	21350+21152	18RB@0	0RB@0	QPSK	19.08	18.19	33.00	Pass
CA_7C	75RB+75RB	20825+20975	1RB@0	0RB@0	16QAM	19.27	18.38	33.00	Pass
CA_7C	75RB+75RB	20825+20975	16RB@0	0RB@0	16QAM	19.17	18.28	33.00	Pass
CA_7C	75RB+75RB	21025+21175	1RB@0	0RB@0	16QAM	19.26	18.37	33.00	Pass
CA_7C	75RB+75RB	21025+21175	16RB@0	0RB@0	16QAM	19.00	18.11	33.00	Pass
CA_7C	75RB+75RB	21225+21375	1RB@0	0RB@0	16QAM	19.16	18.27	33.00	Pass
CA_7C	75RB+75RB	21225+21375	16RB@0	0RB@0	16QAM	18.92	18.03	33.00	Pass
CA_7C	75RB+75RB	20975+20825	1RB@0	0RB@0	16QAM	19.26	18.37	33.00	Pass
CA_7C	75RB+75RB	20975+20825	16RB@0	0RB@0	16QAM	19.00	18.11	33.00	Pass
CA_7C	75RB+75RB	21175+21025	1RB@0	0RB@0	16QAM	19.19	18.30	33.00	Pass
CA_7C	75RB+75RB	21175+21025	16RB@0	0RB@0	16QAM	19.02	18.13	33.00	Pass
CA_7C	75RB+75RB	21375+21225	1RB@0	0RB@0	16QAM	19.23	18.34	33.00	Pass
CA_7C	75RB+75RB	21375+21225	16RB@0	0RB@0	16QAM	18.86	17.97	33.00	Pass
CA_7C	100RB+100RB	20850+21048	1RB@0	0RB@0	16QAM	19.31	18.42	33.00	Pass
CA_7C	100RB+100RB	20850+21048	18RB@0	0RB@0	16QAM	19.28	18.39	33.00	Pass
CA_7C	100RB+100RB	21001+21199	1RB@0	0RB@0	16QAM	19.32	18.43	33.00	Pass
CA_7C	100RB+100RB	21001+21199	18RB@0	0RB@0	16QAM	19.25	18.36	33.00	Pass
CA_7C	100RB+100RB	21152+21350	1RB@0	0RB@0	16QAM	19.44	18.55	33.00	Pass
CA_7C	100RB+100RB	21152+21350	18RB@0	0RB@0	16QAM	19.13	18.24	33.00	Pass
CA_7C	100RB+100RB	21048+20850	1RB@0	0RB@0	16QAM	19.39	18.50	33.00	Pass
CA_7C	100RB+100RB	21048+20850	18RB@0	0RB@0	16QAM	19.04	18.15	33.00	Pass
CA_7C	100RB+100RB	21199+21001	1RB@0	0RB@0	16QAM	19.29	18.40	33.00	Pass
CA_7C	100RB+100RB	21199+21001	18RB@0	0RB@0	16QAM	19.11	18.22	33.00	Pass
CA_7C	100RB+100RB	21350+21152	1RB@0	0RB@0	16QAM	19.38	18.49	33.00	Pass
CA_7C	100RB+100RB	21350+21152	18RB@0	0RB@0	16QAM	18.97	18.08	33.00	Pass
CA_7C	75RB+75RB	20825+20975	1RB@0	0RB@0	64QAM	19.39	18.50	33.00	Pass
CA_7C	75RB+75RB	20825+20975	16RB@0	0RB@0	64QAM	19.17	18.28	33.00	Pass



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CA_7C	75RB+75RB	21025+21175	1RB@0	0RB@0	64QAM	19.41	18.52	33.00	Pass
CA_7C	75RB+75RB	21025+21175	16RB@0	0RB@0	64QAM	19.01	18.12	33.00	Pass
CA_7C	75RB+75RB	21225+21375	1RB@0	0RB@0	64QAM	19.19	18.30	33.00	Pass
CA_7C	75RB+75RB	21225+21375	16RB@0	0RB@0	64QAM	18.94	18.05	33.00	Pass
CA_7C	75RB+75RB	20975+20825	1RB@0	0RB@0	64QAM	19.36	18.47	33.00	Pass
CA_7C	75RB+75RB	20975+20825	16RB@0	0RB@0	64QAM	19.01	18.12	33.00	Pass
CA_7C	75RB+75RB	21175+21025	1RB@0	0RB@0	64QAM	19.35	18.46	33.00	Pass
CA_7C	75RB+75RB	21175+21025	16RB@0	0RB@0	64QAM	18.96	18.07	33.00	Pass
CA_7C	75RB+75RB	21375+21225	1RB@0	0RB@0	64QAM	19.15	18.26	33.00	Pass
CA_7C	75RB+75RB	21375+21225	16RB@0	0RB@0	64QAM	18.81	17.92	33.00	Pass
CA_7C	100RB+100RB	20850+21048	1RB@0	0RB@0	64QAM	19.22	18.33	33.00	Pass
CA_7C	100RB+100RB	20850+21048	18RB@0	0RB@0	64QAM	19.25	18.36	33.00	Pass
CA_7C	100RB+100RB	21001+21199	1RB@0	0RB@0	64QAM	19.62	18.73	33.00	Pass
CA_7C	100RB+100RB	21001+21199	18RB@0	0RB@0	64QAM	19.24	18.35	33.00	Pass
CA_7C	100RB+100RB	21152+21350	1RB@0	0RB@0	64QAM	19.39	18.50	33.00	Pass
CA_7C	100RB+100RB	21152+21350	18RB@0	0RB@0	64QAM	19.10	18.21	33.00	Pass
CA_7C	100RB+100RB	21048+20850	1RB@0	0RB@0	64QAM	19.52	18.63	33.00	Pass
CA_7C	100RB+100RB	21048+20850	18RB@0	0RB@0	64QAM	19.07	18.18	33.00	Pass
CA_7C	100RB+100RB	21199+21001	1RB@0	0RB@0	64QAM	19.39	18.50	33.00	Pass
CA_7C	100RB+100RB	21199+21001	18RB@0	0RB@0	64QAM	19.05	18.16	33.00	Pass
CA_7C	100RB+100RB	21350+21152	1RB@0	0RB@0	64QAM	19.38	18.49	33.00	Pass
CA_7C	100RB+100RB	21350+21152	18RB@0	0RB@0	64QAM	18.92	18.03	33.00	Pass

**Remark:**

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

$$ERP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBd]$$

$$EIRP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBi]$$



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Shenzhen Branch Technical Services Laboratory

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## 2 Peak-to-Average Ratio

### Part I - Test Results

Test Band	Modulation	Test Mode	Test Channel	PCC RB Config	SCC RB Config	Measured [dB]	Limit [dB]	Verdict
CA_7C	QPSK	100RB+100RB	20850+21048	100RB@0	100RB@0	6.52	13	PASS
CA_7C	QPSK	100RB+100RB	21001+21199	100RB@0	100RB@0	6.32	13	PASS
CA_7C	QPSK	100RB+100RB	21152+21350	100RB@0	100RB@0	6.26	13	PASS
CA_7C	QPSK	100RB+100RB	21048+20850	100RB@0	100RB@0	6.52	13	PASS
CA_7C	QPSK	100RB+100RB	21199+21001	100RB@0	100RB@0	6.49	13	PASS
CA_7C	QPSK	100RB+100RB	21350+21152	100RB@0	100RB@0	6.23	13	PASS
CA_7C	16QAM	100RB+100RB	20850+21048	100RB@0	100RB@0	7.07	13	PASS
CA_7C	16QAM	100RB+100RB	21001+21199	100RB@0	100RB@0	7.10	13	PASS
CA_7C	16QAM	100RB+100RB	21152+21350	100RB@0	100RB@0	7.01	13	PASS
CA_7C	16QAM	100RB+100RB	21048+20850	100RB@0	100RB@0	7.04	13	PASS
CA_7C	16QAM	100RB+100RB	21199+21001	100RB@0	100RB@0	7.04	13	PASS
CA_7C	16QAM	100RB+100RB	21350+21152	100RB@0	100RB@0	6.93	13	PASS
CA_7C	64QAM	100RB+100RB	20850+21048	100RB@0	100RB@0	7.19	13	PASS
CA_7C	64QAM	100RB+100RB	21001+21199	100RB@0	100RB@0	7.07	13	PASS
CA_7C	64QAM	100RB+100RB	21152+21350	100RB@0	100RB@0	7.01	13	PASS
CA_7C	64QAM	100RB+100RB	21048+20850	100RB@0	100RB@0	7.10	13	PASS
CA_7C	64QAM	100RB+100RB	21199+21001	100RB@0	100RB@0	7.07	13	PASS
CA_7C	64QAM	100RB+100RB	21350+21152	100RB@0	100RB@0	7.16	13	PASS



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Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE Band CA\_7C

CA\_7C\_QPSK\_100RB+100RB\_20850+21048\_PCC:100RB@0\_SCC:100RB@0



Date: 25 APR 2019 17:56:25

CA\_7C\_QPSK\_100RB+100RB\_21001+21199\_PCC:100RB@0\_SCC:100RB@0



Date: 25 APR 2019 17:57:42

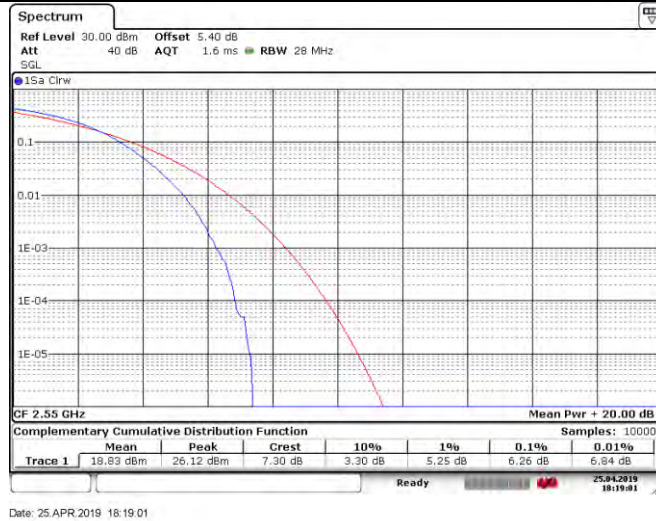
CA\_7C\_QPSK\_100RB+100RB\_21152+21350\_PCC:100RB@0\_SCC:100RB@0



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Date: 25 APR 2019 18:19:01

CA\_7C\_QPSK\_100RB+100RB\_21048+20850\_PCC:100RB@0\_SCC:100RB@0



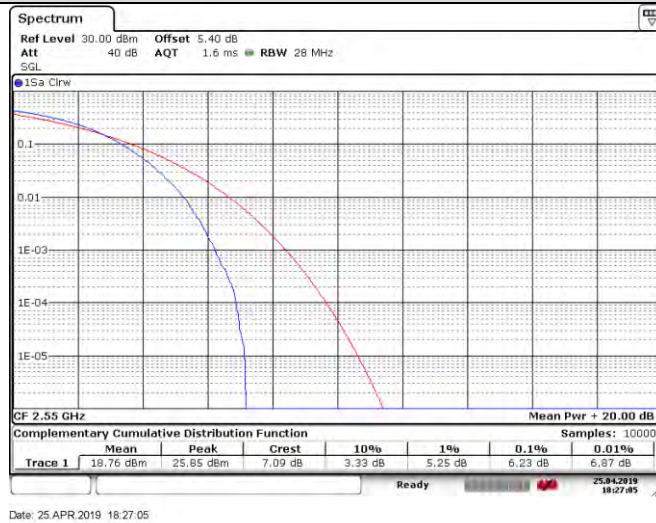
Date: 25 APR 2019 18:20:05

CA\_7C\_QPSK\_100RB+100RB\_21199+21001\_PCC:100RB@0\_SCC:100RB@0





CA\_7C\_QPSK\_100RB+100RB\_21350+21152\_PCC:100RB@0\_SCC:100RB@0

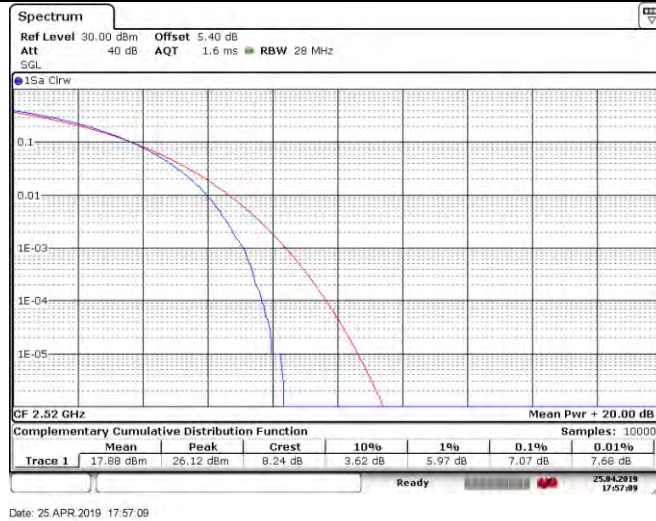


CA\_7C\_16QAM\_100RB+100RB\_20850+21048\_PCC:100RB@0\_SCC:100RB@0



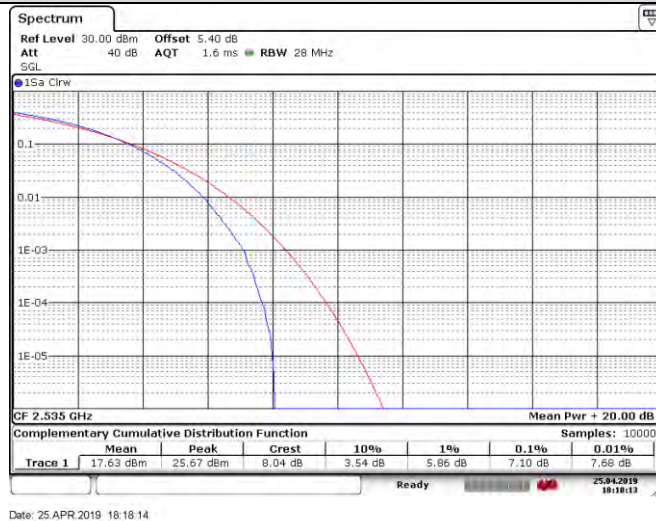
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Date: 25 APR 2019 17:57:09

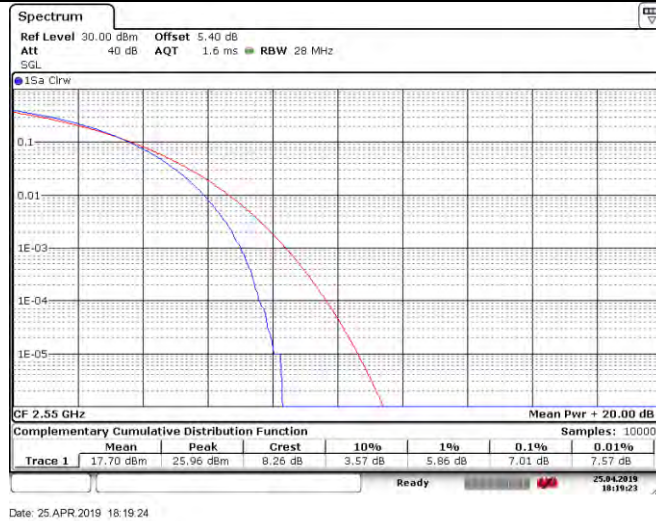
CA\_7C\_16QAM\_100RB+100RB\_21001+21199\_PCC:100RB@0\_SCC:100RB@0



Date: 25 APR 2019 18:18:14

CA\_7C\_16QAM\_100RB+100RB\_21152+21350\_PCC:100RB@0\_SCC:100RB@0





Date: 25 APR 2019 18:19:24

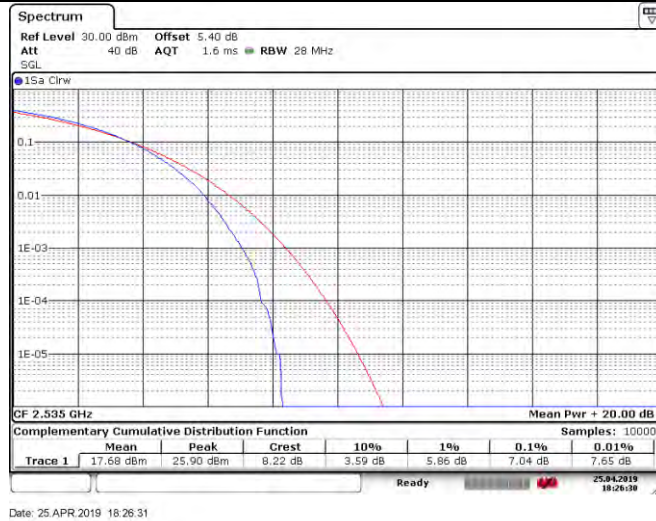
CA\_7C\_16QAM\_100RB+100RB\_21048+20850\_PCC:100RB@0\_SCC:100RB@0



Date: 25 APR 2019 18:20:25

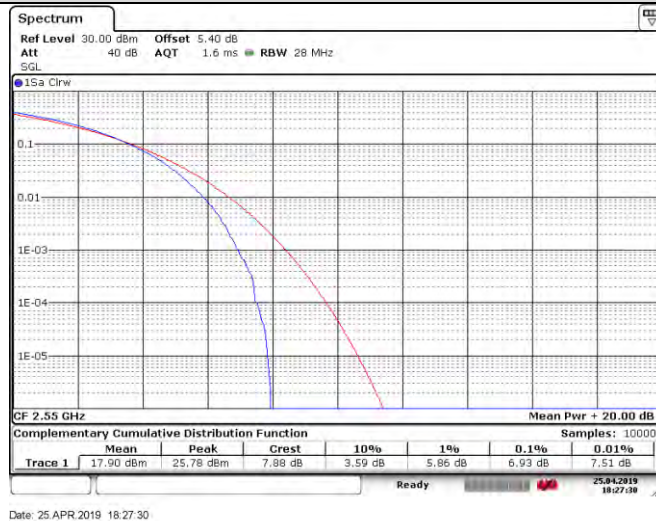
CA\_7C\_16QAM\_100RB+100RB\_21199+21001\_PCC:100RB@0\_SCC:100RB@0





Date: 25 APR 2019 18:26:31

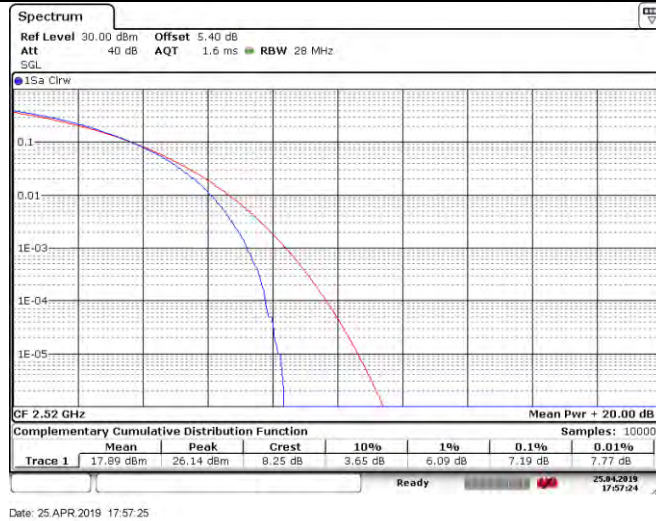
CA\_7C\_16QAM\_100RB+100RB\_21350+21152\_PCC:100RB@0\_SCC:100RB@0



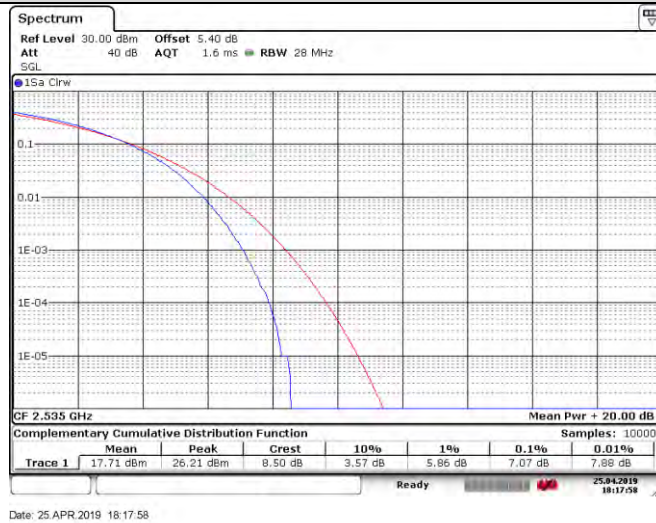
Date: 25 APR 2019 18:27:30

CA\_7C\_64QAM\_100RB+100RB\_20850+21048\_PCC:100RB@0\_SCC:100RB@0



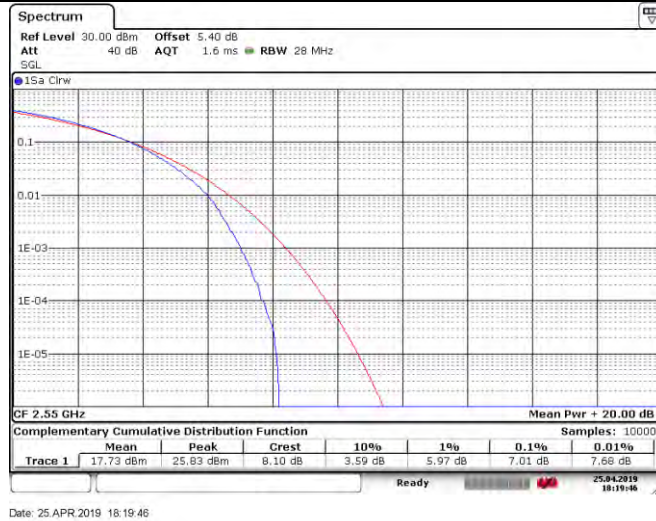


CA\_7C\_64QAM\_100RB+100RB\_21001+21199\_PCC:100RB@0\_SCC:100RB@0

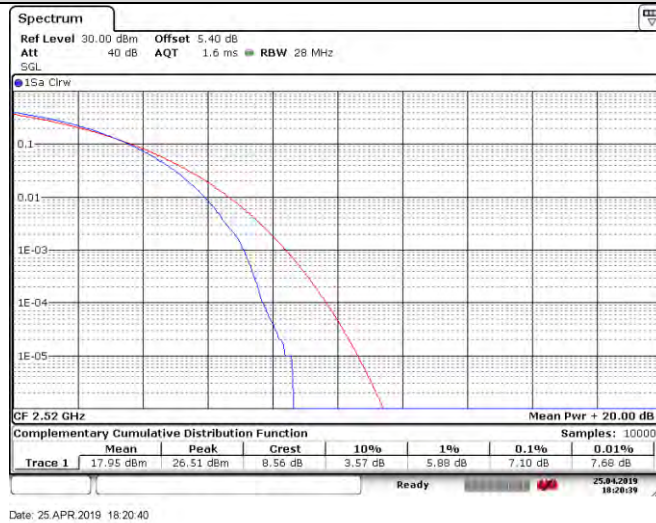


CA\_7C\_64QAM\_100RB+100RB\_21152+21350\_PCC:100RB@0\_SCC:100RB@0



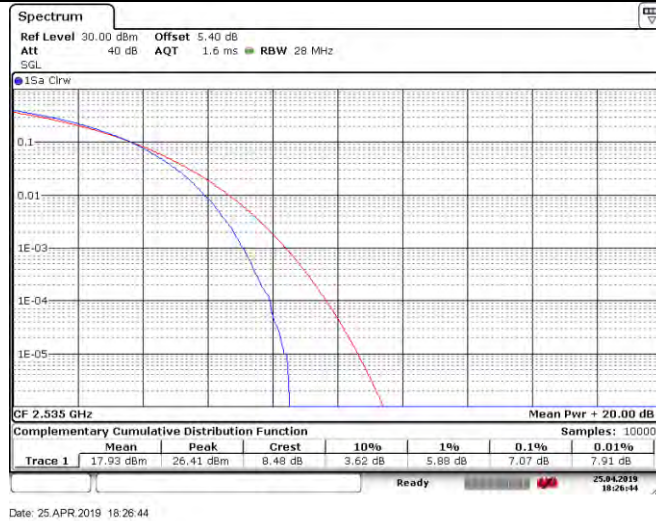


CA\_7C\_64QAM\_100RB+100RB\_21048+20850\_PCC:100RB@0\_SCC:100RB@0



CA\_7C\_64QAM\_100RB+100RB\_21199+21001\_PCC:100RB@0\_SCC:100RB@0





CA\_7C\_64QAM\_100RB+100RB\_21350+21152\_PCC:100RB@0\_SCC:100RB@0







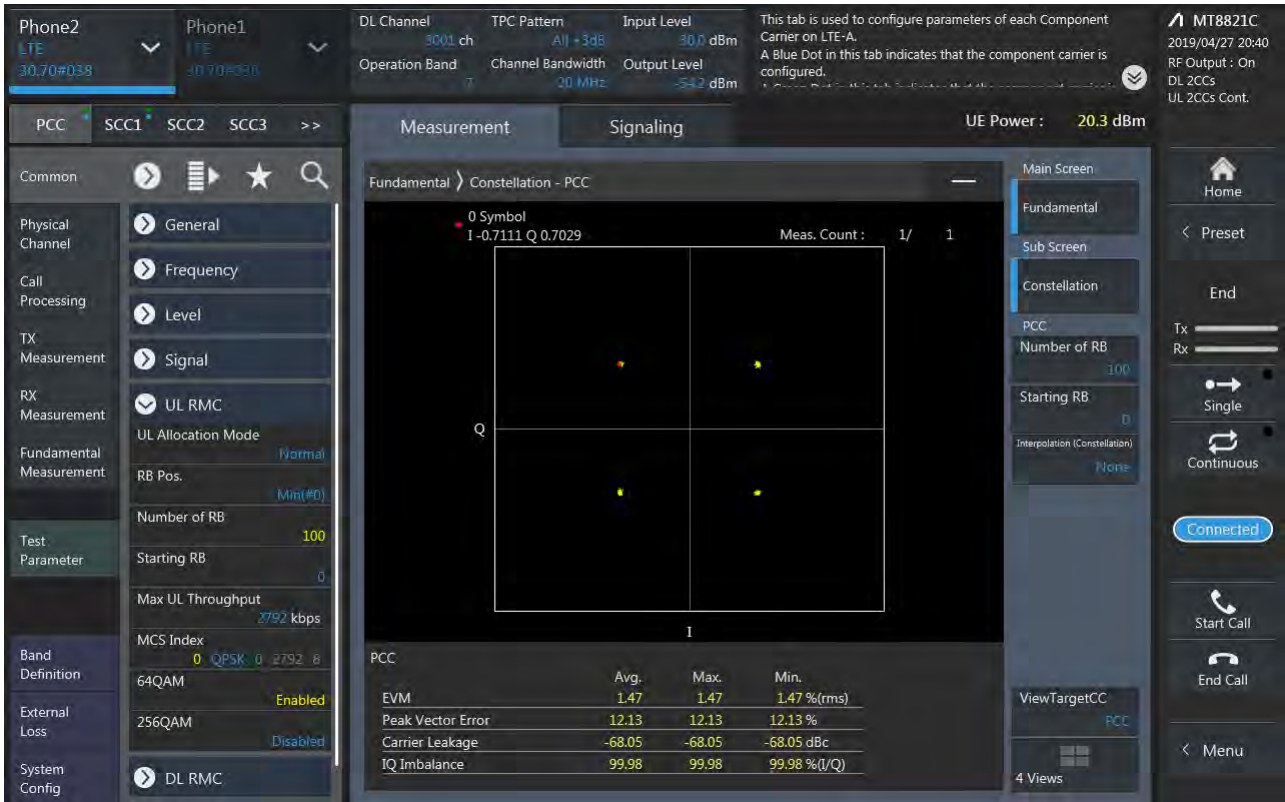
### 3 Modulation Characteristics

#### 3.1 For LTE

##### 3.1.1 Test Band = LTE Band CA\_7C

##### 3.1.1.1 Test Mode = LTE /QPSK 100RB+100RB

##### 3.1.1.1.1 Test Channel = 21001+21199



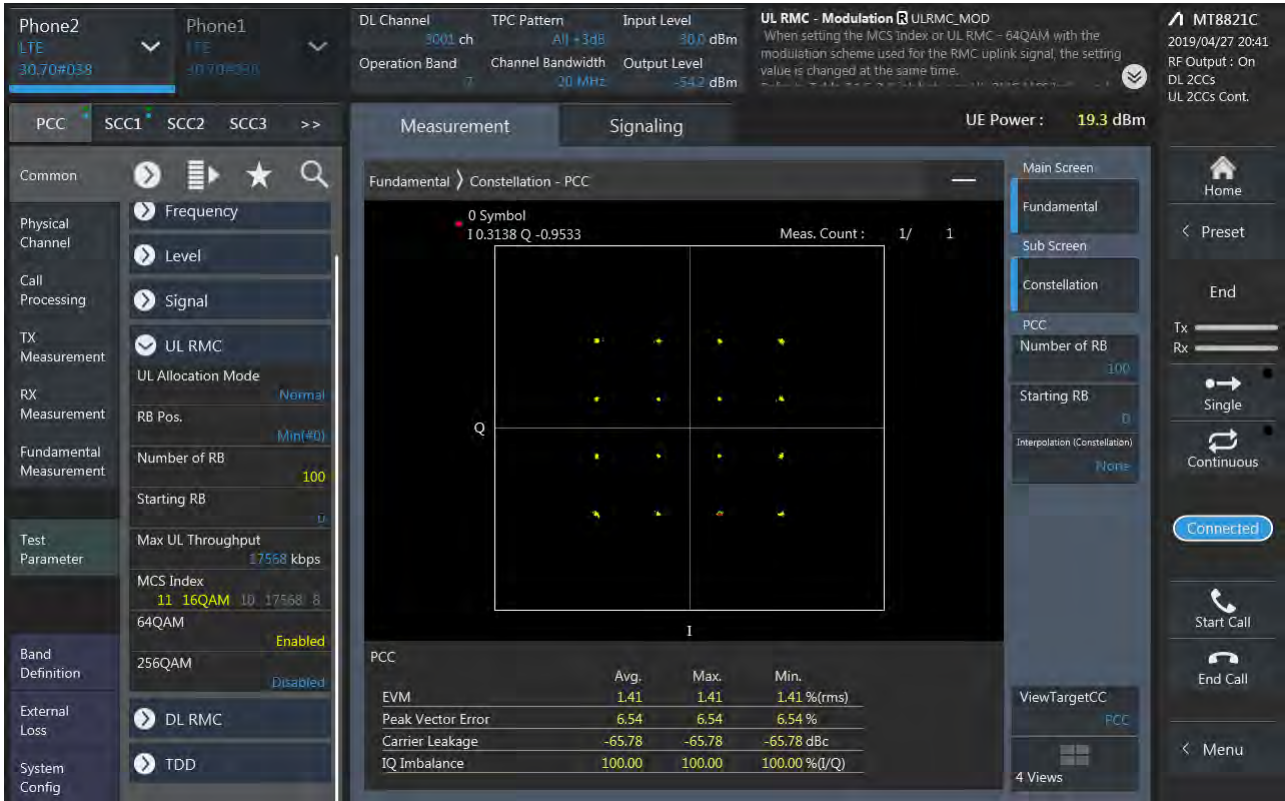
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**3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB**

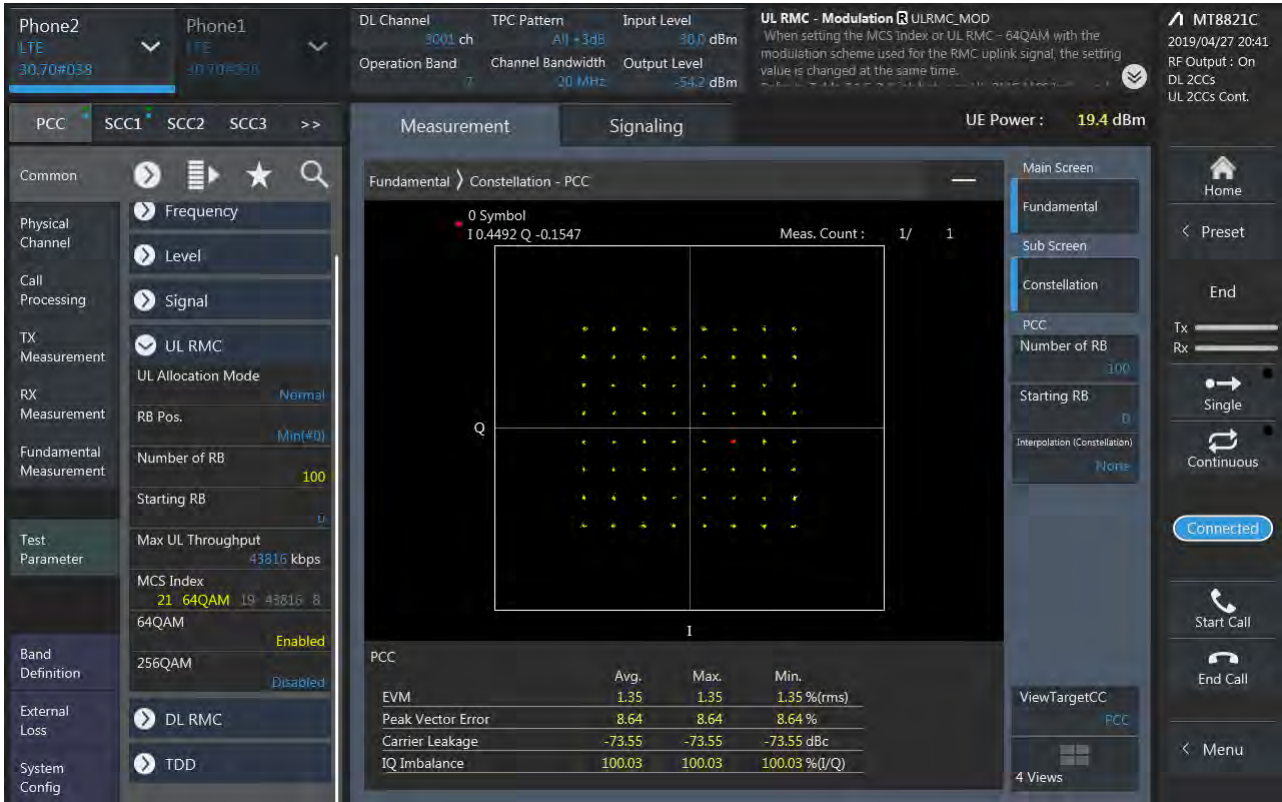
**3.1.1.2.1 Test Channel =21001+21199**





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

**3.1.1.3.1 Test Channel = 21001+21199**



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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_7C	QPSK	75RB+75RB	20825+20975	75RB@0	75RB@0	28.23	29.97	PASS
CA_7C	QPSK	75RB+75RB	21025+21175	75RB@0	75RB@0	28.23	29.97	PASS
CA_7C	QPSK	75RB+75RB	21225+21375	75RB@0	75RB@0	28.35	29.85	PASS
CA_7C	QPSK	75RB+75RB	20975+20825	75RB@0	75RB@0	28.29	30.09	PASS
CA_7C	QPSK	75RB+75RB	21175 +21025	75RB@0	75RB@0	28.35	29.91	PASS
CA_7C	QPSK	75RB+75RB	21375 +21225	75RB@0	75RB@0	28.23	29.85	PASS
CA_7C	16QAM	75RB+75RB	20825+20975	75RB@0	75RB@0	28.23	29.85	PASS
CA_7C	16QAM	75RB+75RB	21025+21175	75RB@0	75RB@0	28.23	29.91	PASS
CA_7C	16QAM	75RB+75RB	21225+21375	75RB@0	75RB@0	28.23	29.85	PASS
CA_7C	16QAM	75RB+75RB	20975+20825	75RB@0	75RB@0	28.29	29.91	PASS
CA_7C	16QAM	75RB+75RB	21175 +21025	75RB@0	75RB@0	28.35	30.03	PASS
CA_7C	16QAM	75RB+75RB	21375 +21225	75RB@0	75RB@0	28.23	29.97	PASS
CA_7C	64QAM	75RB+75RB	20825+20975	75RB@0	75RB@0	28.35	29.91	PASS
CA_7C	64QAM	75RB+75RB	21025+21175	75RB@0	75RB@0	28.35	29.85	PASS
CA_7C	64QAM	75RB+75RB	21225+21375	75RB@0	75RB@0	28.23	29.97	PASS
CA_7C	64QAM	75RB+75RB	20975+20825	75RB@0	75RB@0	28.17	29.97	PASS
CA_7C	64QAM	75RB+75RB	21175 +21025	75RB@0	75RB@0	28.35	30.03	PASS
CA_7C	64QAM	75RB+75RB	21375 +21225	75RB@0	75RB@0	28.23	29.91	PASS
CA_7C	QPSK	100RB+100RB	20850+21048	100RB@0	100RB@0	37.48	39.72	PASS
CA_7C	QPSK	100RB+100RB	21001+21199	100RB@0	100RB@0	37.48	39.80	PASS
CA_7C	QPSK	100RB+100RB	21152+21350	100RB@0	100RB@0	37.56	39.72	PASS
CA_7C	QPSK	100RB+100RB	21048+20850	100RB@0	100RB@0	37.48	39.64	PASS
CA_7C	QPSK	100RB+100RB	21199+21001	100RB@0	100RB@0	37.64	39.80	PASS
CA_7C	QPSK	100RB+100RB	21350+21152	100RB@0	100RB@0	37.48	39.64	PASS
CA_7C	16QAM	100RB+100RB	20850+21048	100RB@0	100RB@0	37.48	39.72	PASS
CA_7C	16QAM	100RB+100RB	21001+21199	100RB@0	100RB@0	37.56	39.64	PASS
CA_7C	16QAM	100RB+100RB	21152+21350	100RB@0	100RB@0	37.48	39.64	PASS
CA_7C	16QAM	100RB+100RB	21048+20850	100RB@0	100RB@0	37.40	39.64	PASS
CA_7C	16QAM	100RB+100RB	21199+21001	100RB@0	100RB@0	37.64	39.88	PASS
CA_7C	16QAM	100RB+100RB	21350+21152	100RB@0	100RB@0	37.56	39.72	PASS
CA_7C	64QAM	100RB+100RB	20850+21048	100RB@0	100RB@0	37.40	39.56	PASS
CA_7C	64QAM	100RB+100RB	21001+21199	100RB@0	100RB@0	37.48	39.64	PASS



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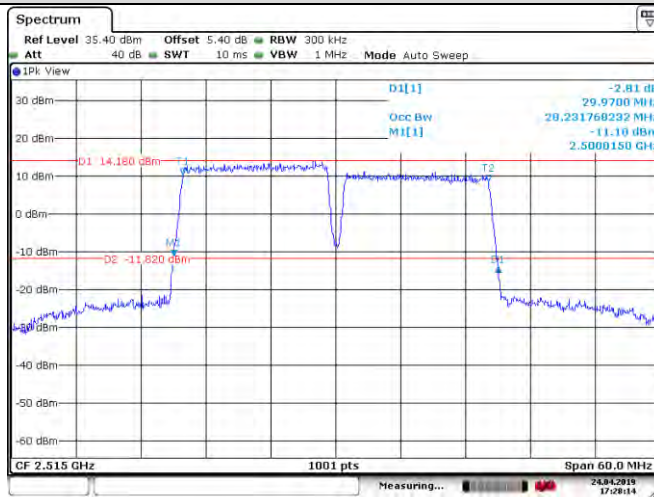


Test Band	Modulation PCC&SCC	Test Mode PCC/SCC	Test Channel PCC/SCC	PCC RB	SCC RB	OBW [MHz]	EBW [MHz]	Verdict
CA_7C	64QAM	100RB+100RB	21152+21350	100RB@0	100RB@0	37.48	39.64	PASS
CA_7C	64QAM	100RB+100RB	21048+20850	100RB@0	100RB@0	37.48	39.64	PASS
CA_7C	64QAM	100RB+100RB	21199+21001	100RB@0	100RB@0	37.56	39.88	PASS
CA_7C	64QAM	100RB+100RB	21350+21152	100RB@0	100RB@0	37.48	39.72	PASS

## 4.1 For LTE

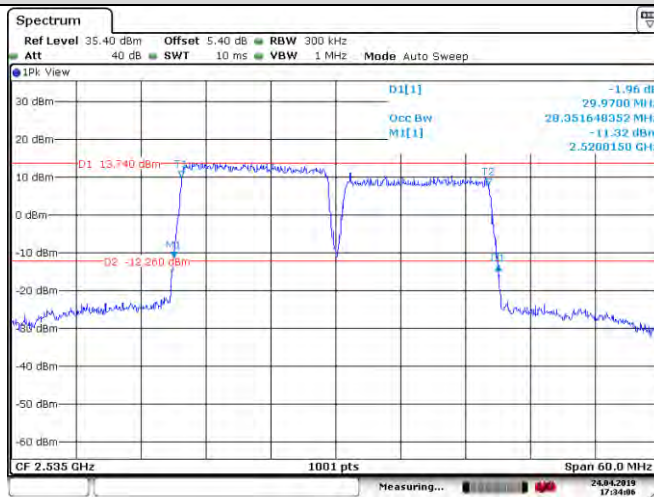
### 4.1.1 Test Band = LTE Band CA\_7C

CA\_7C\_QPSK\_75RB+75RB\_20825+20975\_PCC:75RB@0\_SCC:75RB@0



Date: 24 APR 2019 17:28:14

CA\_7C\_QPSK\_75RB+75RB\_21025+21175\_PCC:75RB@0\_SCC:75RB@0



Date: 24 APR 2019 17:34:06

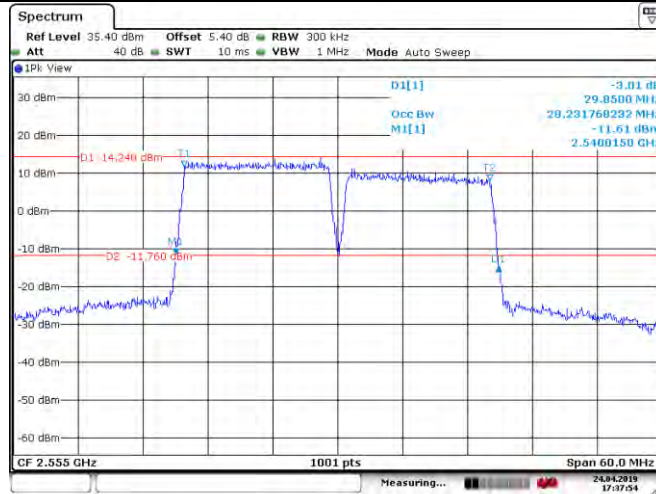
CA\_7C\_QPSK\_75RB+75RB\_21225+21375\_PCC:75RB@0\_SCC:75RB@0



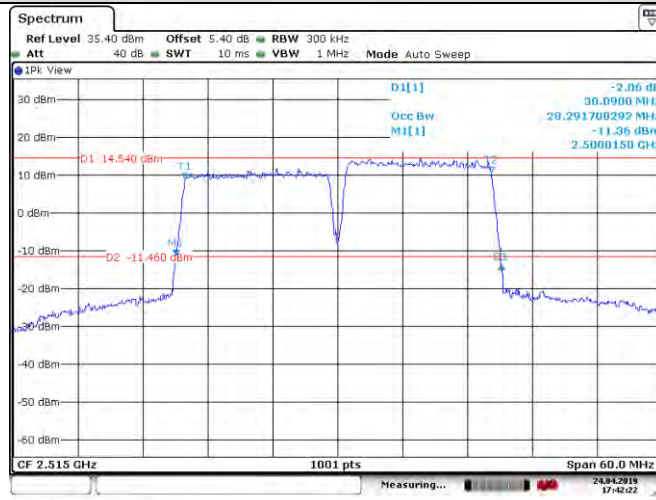
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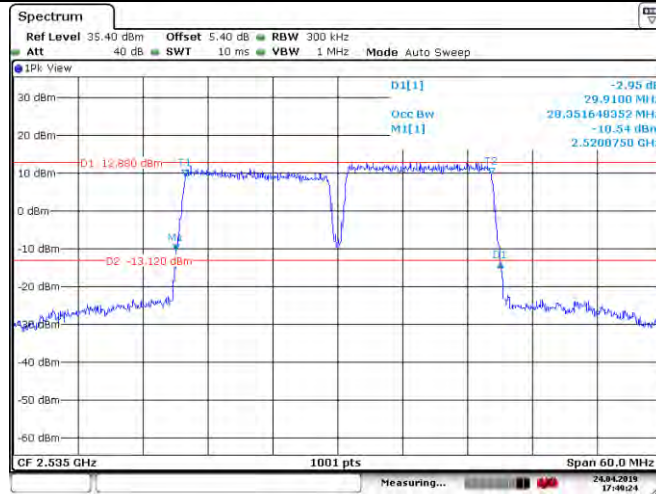


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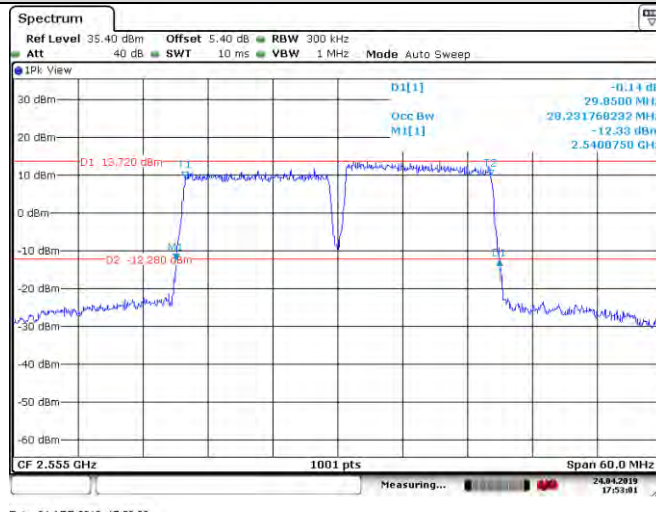


CA\_7C\_QPSK\_75RB+75RB\_21175 +21025\_PCC:75RB@0\_SCC:75RB@0



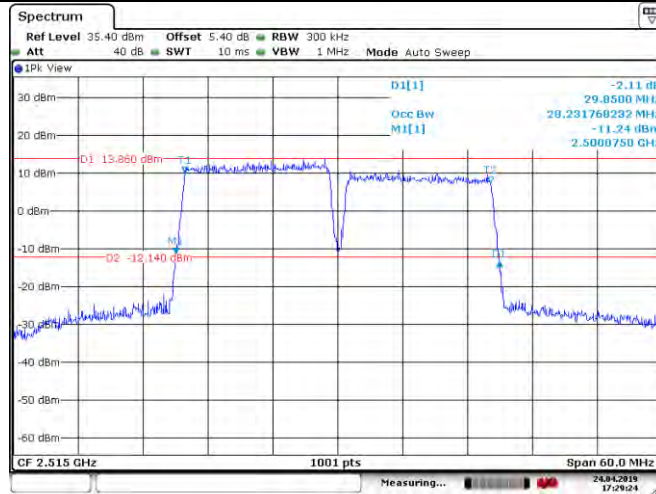


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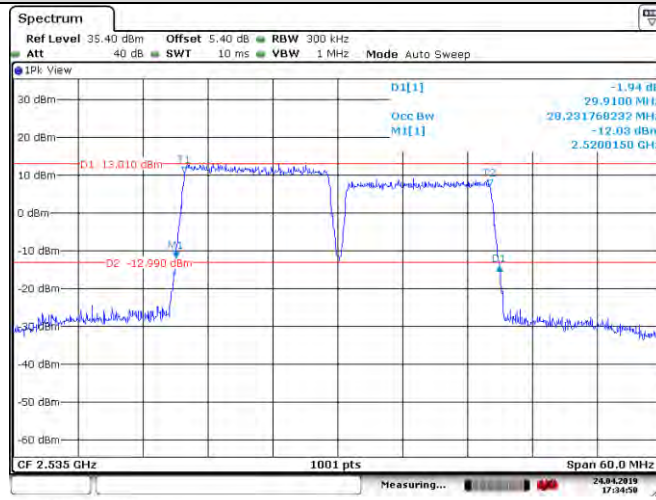
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Date: 24 APR 2019 17:29:24

CA\_7C\_16QAM\_75RB+75RB\_21025+21175\_PCC:75RB@0\_SCC:75RB@0



Date: 24 APR 2019 17:34:51

CA\_7C\_16QAM\_75RB+75RB\_21225+21375\_PCC:75RB@0\_SCC:75RB@0

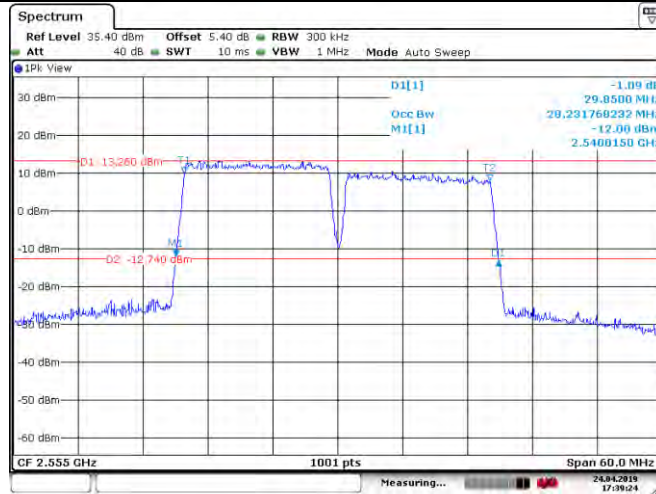


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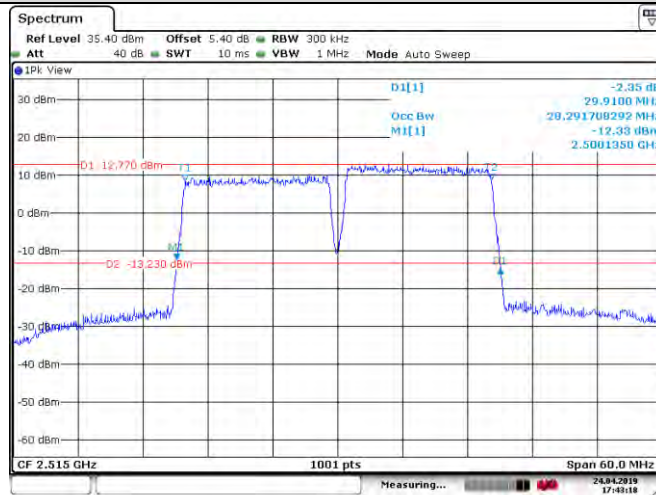
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Date: 24 APR 2019 17:39:25

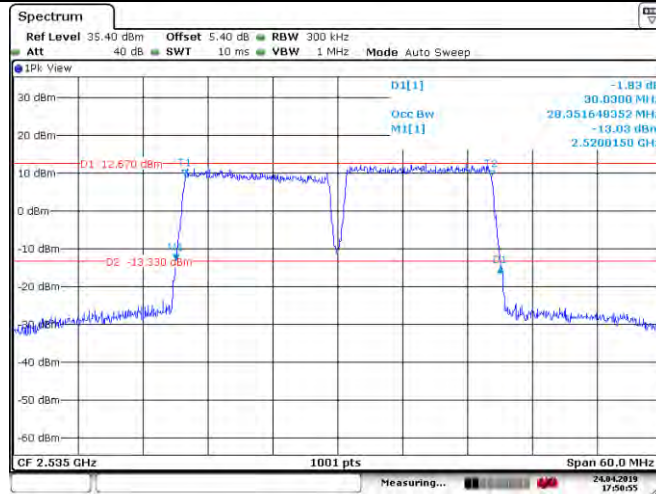
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Date: 24 APR 2019 17:43:18

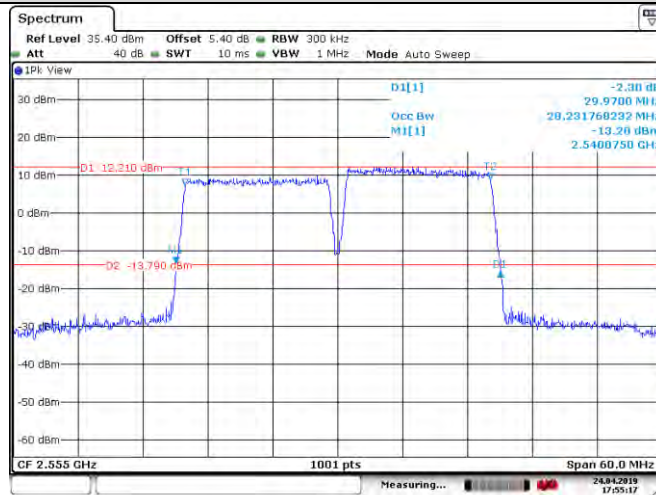
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Date: 24 APR 2019 17:50:54

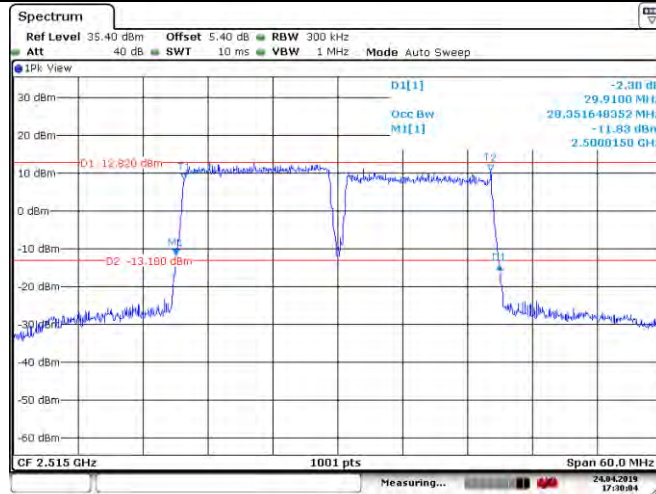
**CA\_7C\_16QAM\_75RB+75RB\_21375 +21225\_PCC:75RB@0\_SCC:75RB@0**



Date: 24 APR 2019 17:55:18

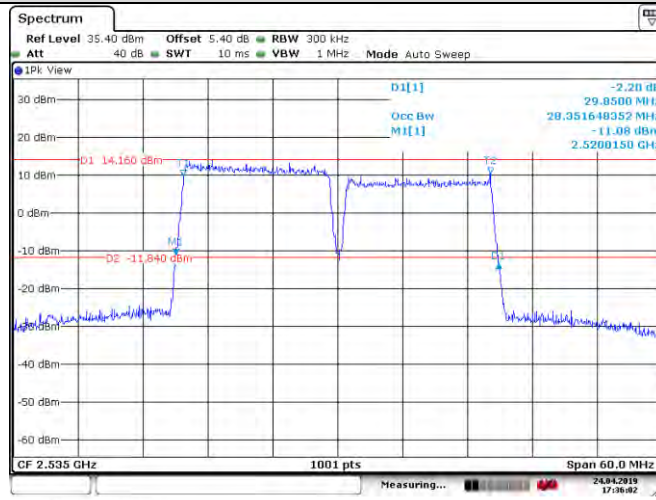
**CA\_7C\_64QAM\_75RB+75RB\_20825+20975\_PCC:75RB@0\_SCC:75RB@0**





Date: 24 APR 2019 17:30:05

CA\_7C\_64QAM\_75RB+75RB\_21025+21175\_PCC:75RB@0\_SCC:75RB@0



Date: 24 APR 2019 17:36:02

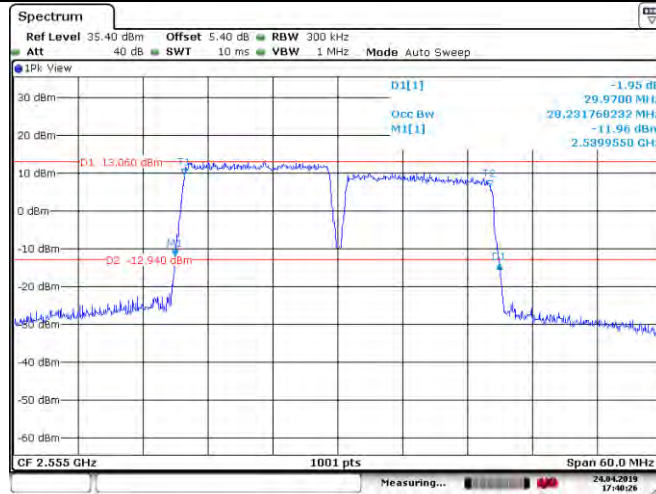
CA\_7C\_64QAM\_75RB+75RB\_21225+21375\_PCC:75RB@0\_SCC:75RB@0



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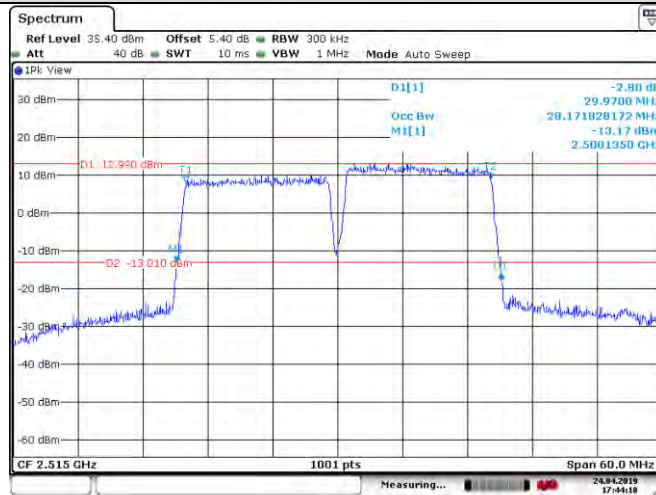
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Date: 24 APR 2019 17:40:27

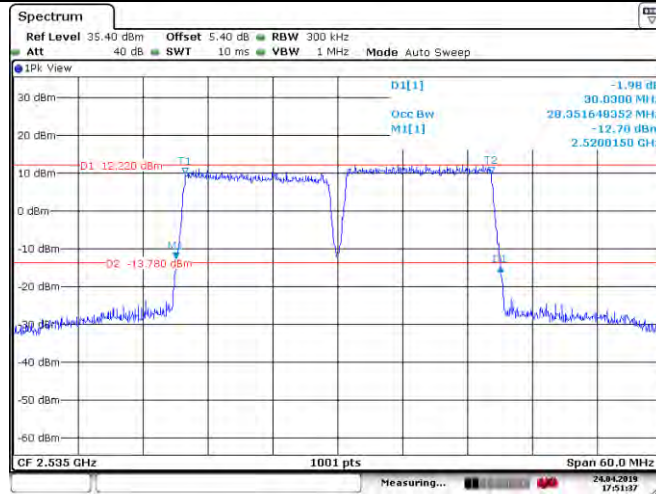
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Date: 24 APR 2019 17:44:18

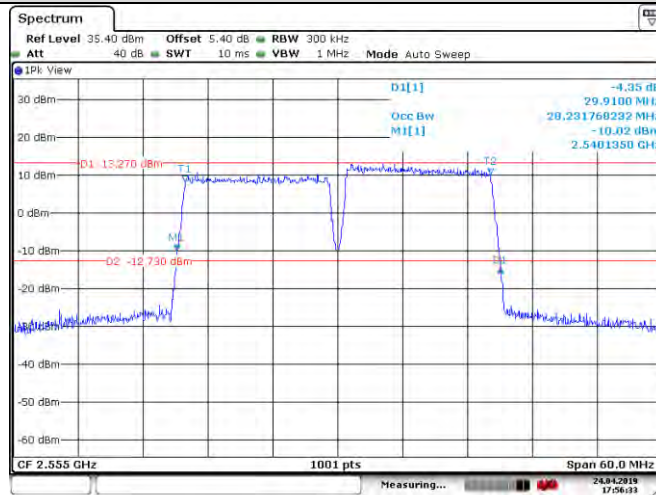
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Date: 24 APR 2019 17:51:38

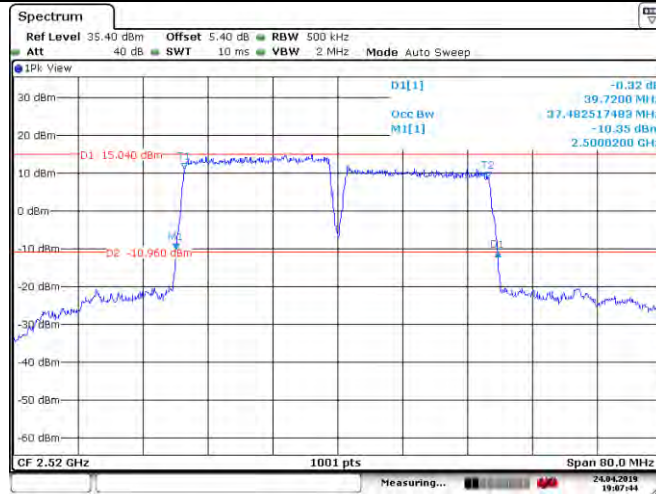
**CA\_7C\_64QAM\_75RB+75RB\_21375 +21225\_PCC:75RB@0\_SCC:75RB@0**



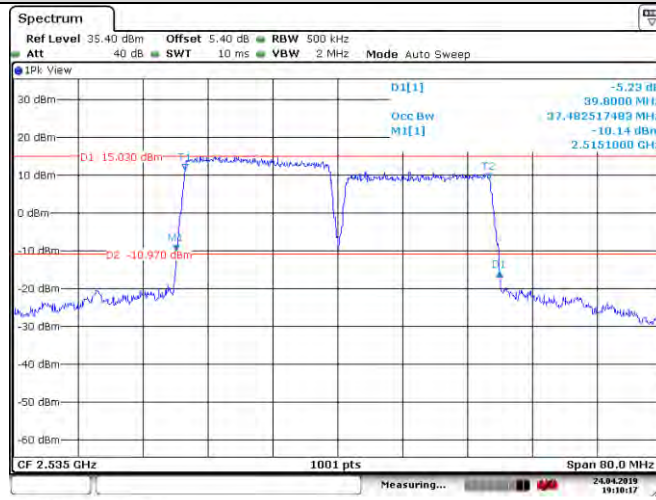
Date: 24 APR 2019 17:56:34

**CA\_7C\_QPSK\_100RB+100RB\_20850+21048\_PCC:100RB@0\_SCC:100RB@0**



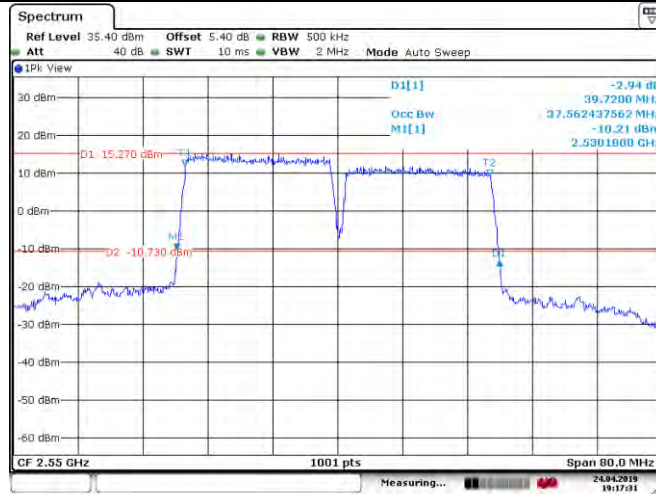


CA\_7C\_QPSK\_100RB+100RB\_21001+21199\_PCC:100RB@0\_SCC:100RB@0



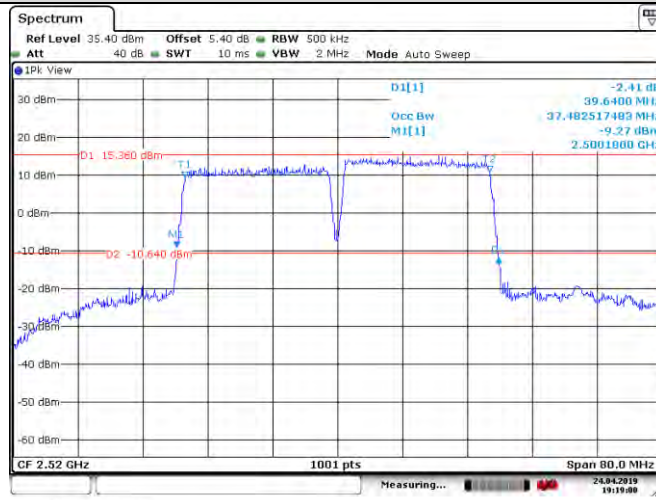
CA\_7C\_QPSK\_100RB+100RB\_21152+21350\_PCC:100RB@0\_SCC:100RB@0





Date: 24 APR 2019 19:17:31

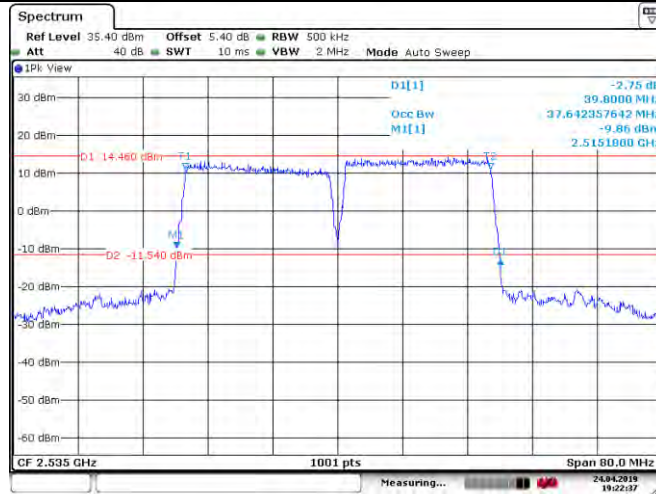
CA\_7C\_QPSK\_100RB+100RB\_21048+20850\_PCC:100RB@0\_SCC:100RB@0



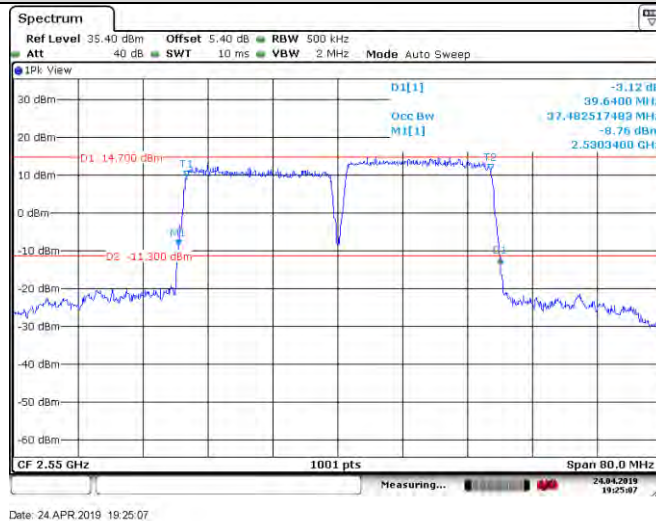
Date: 24 APR 2019 19:19:00

CA\_7C\_QPSK\_100RB+100RB\_21199+21001\_PCC:100RB@0\_SCC:100RB@0





CA\_7C\_QPSK\_100RB+100RB\_21350+21152\_PCC:100RB@0\_SCC:100RB@0



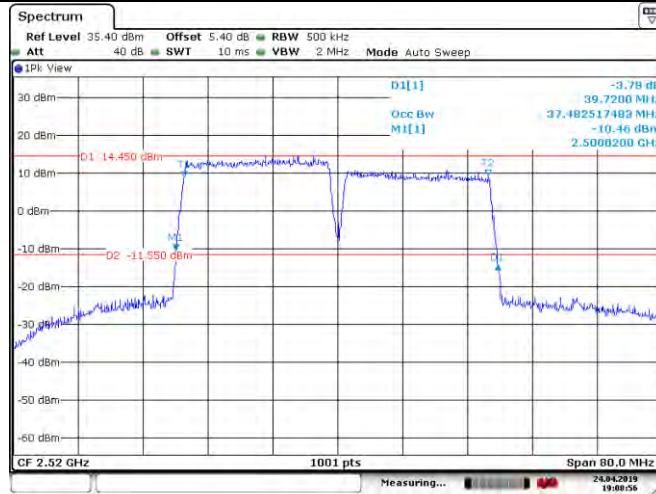
CA\_7C\_16QAM\_100RB+100RB\_20850+21048\_PCC:100RB@0\_SCC:100RB@0



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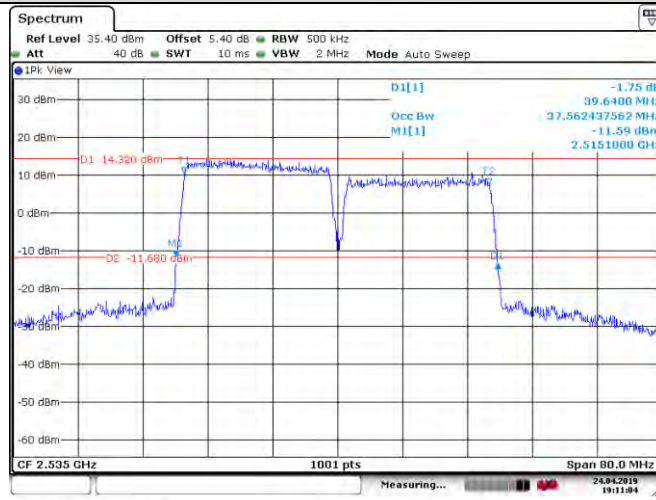
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Date: 24 APR 2019 19:08:56

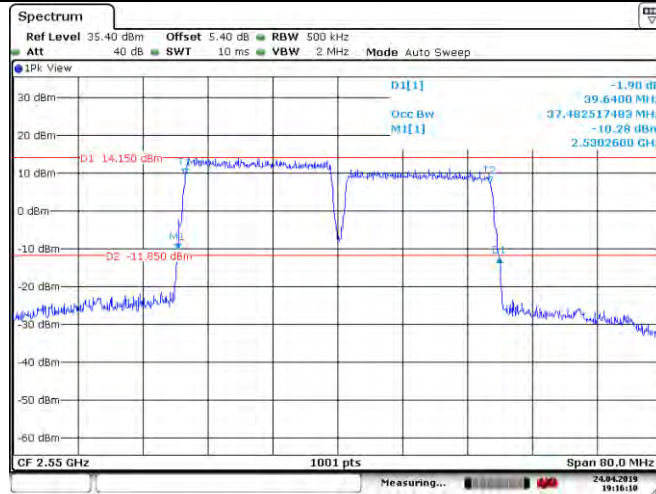
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Date: 24 APR 2019 19:11:04

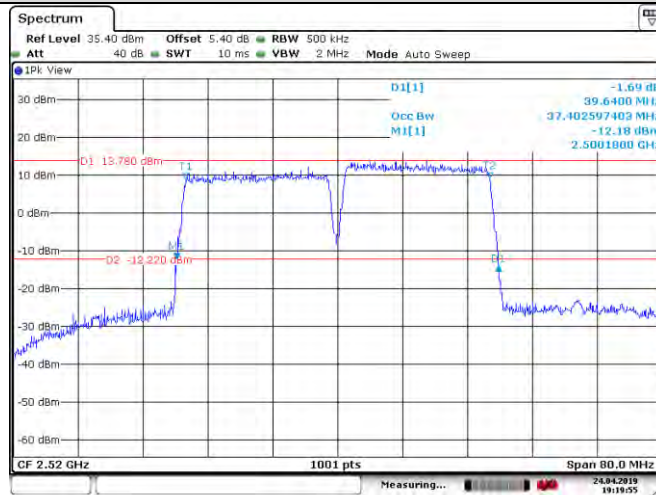
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Date: 24 APR 2019 19:16:10

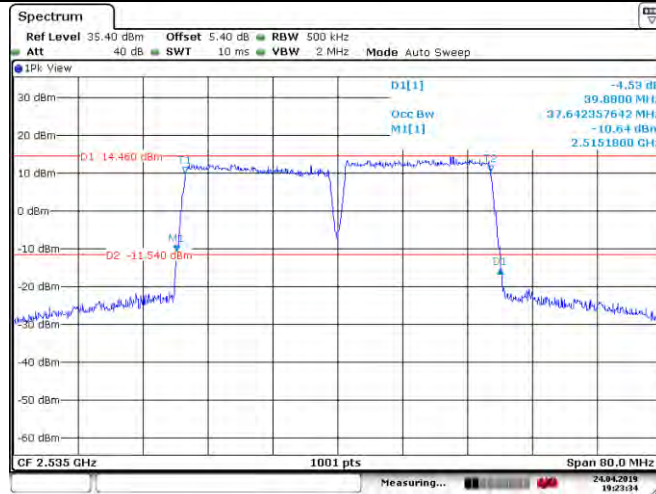
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Date: 24 APR 2019 19:19:56

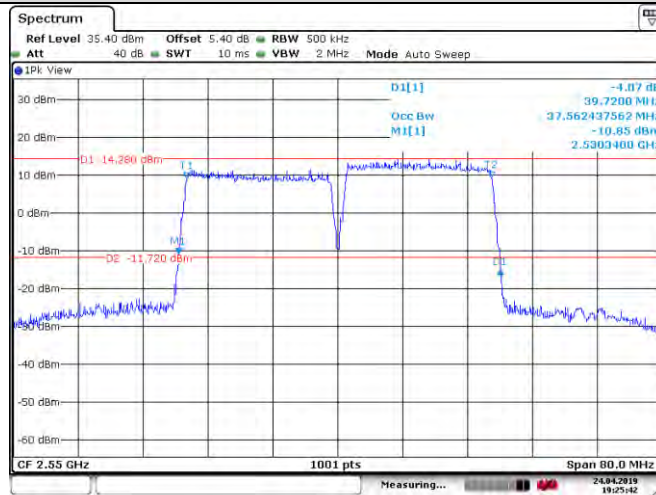
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Date: 24 APR 2019 19:23:35

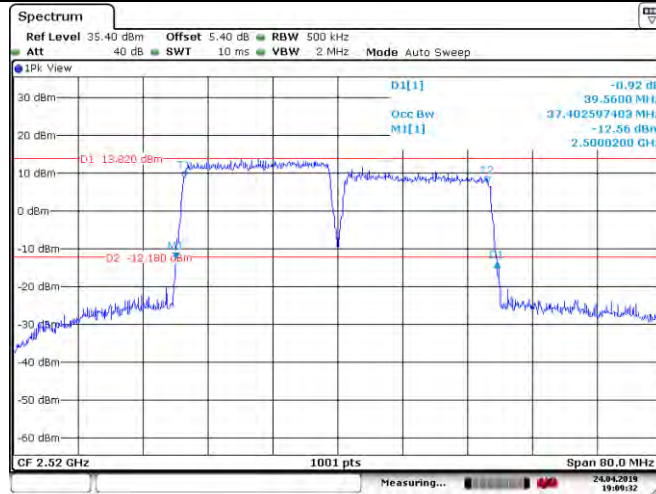
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Date: 24 APR 2019 19:25:43

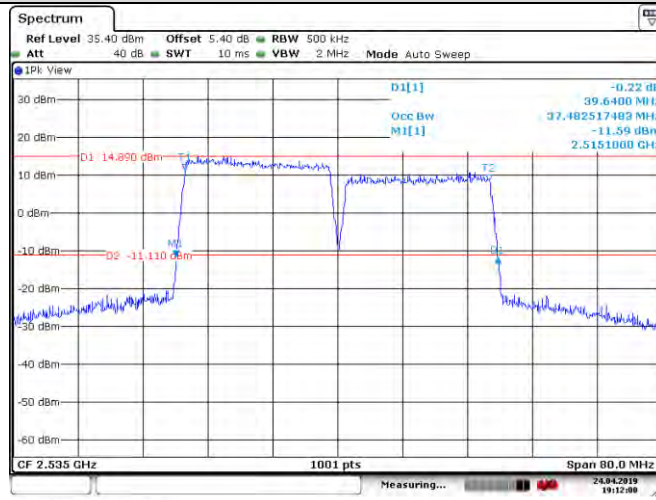
CA\_7C\_64QAM\_100RB+100RB\_20850+21048\_PCC:100RB@0\_SCC:100RB@0





Date: 24 APR 2019 19:09:32

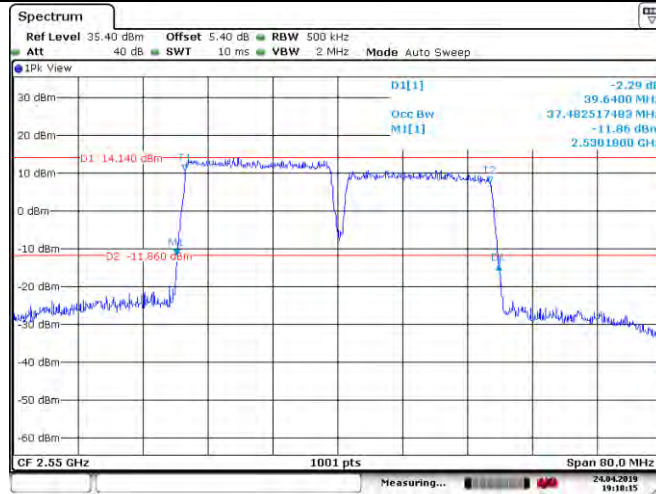
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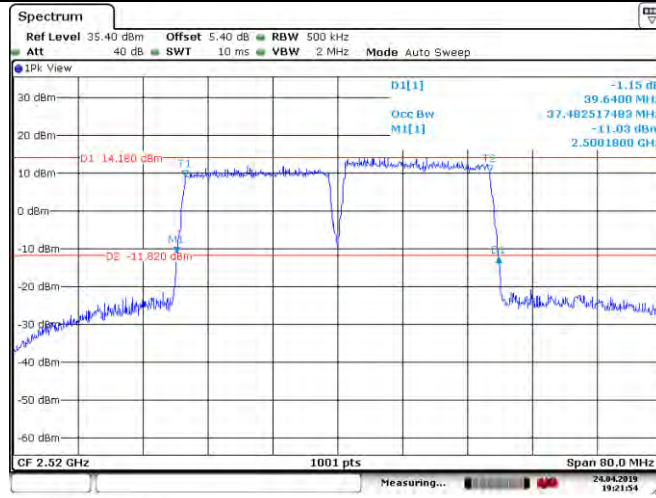
Date: 24 APR 2019 19:12:00

CA\_7C\_64QAM\_100RB+100RB\_21152+21350\_PCC:100RB@0\_SCC:100RB@0



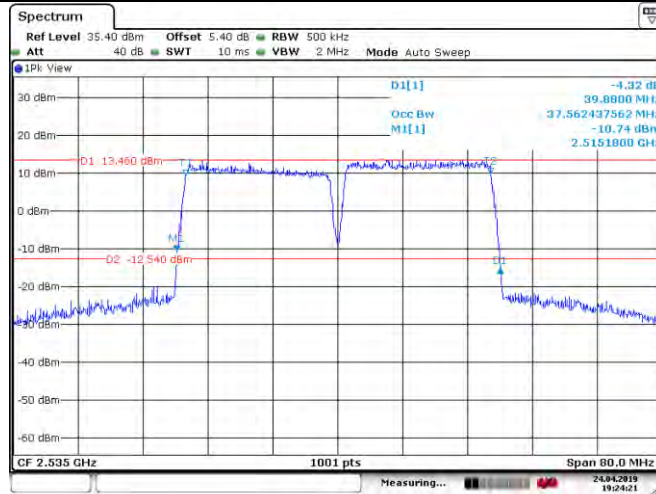


CA\_7C\_64QAM\_100RB+100RB\_21048+20850\_PCC:100RB@0\_SCC:100RB@0



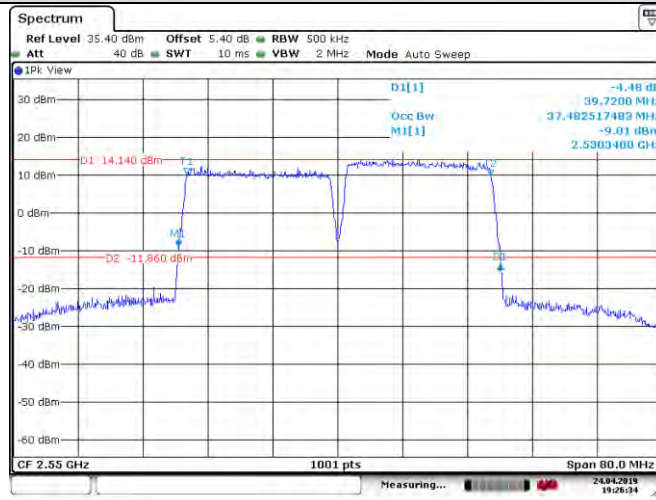
CA\_7C\_64QAM\_100RB+100RB\_21199+21001\_PCC:100RB@0\_SCC:100RB@0





Date: 24 APR 2019 19:24:21

CA\_7C\_64QAM\_100RB+100RB\_21350+21152\_PCC:100RB@0\_SCC:100RB@0



Date: 24 APR 2019 19:26:34

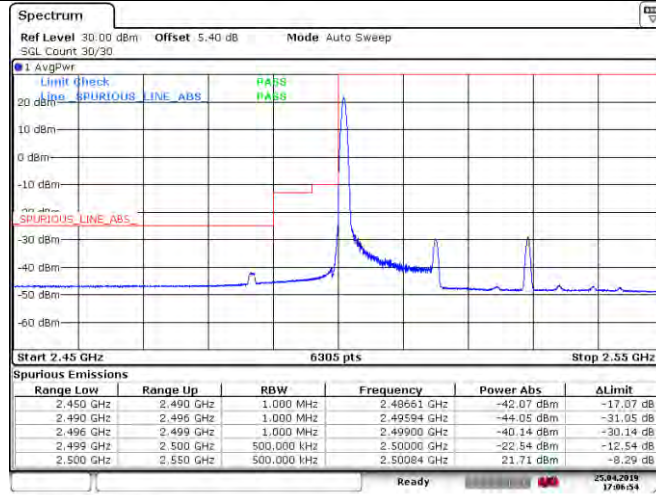


## 5 Band Edges Compliance

### 5.1 For LTE

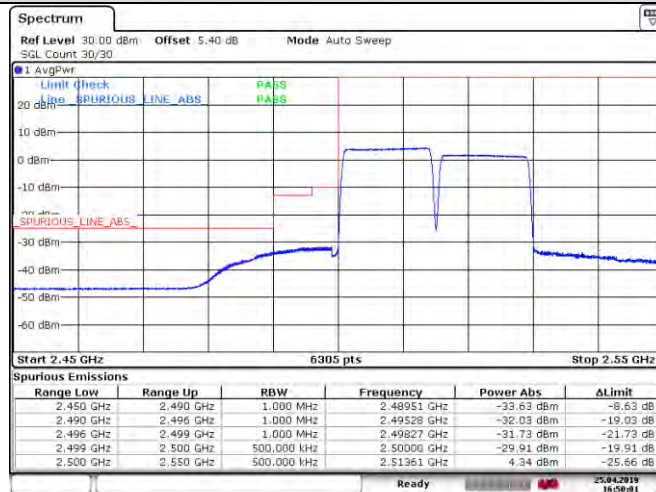
#### 5.1.1 Test Band = LTE Band CA\_7C

CA\_7C\_QPSK\_75RB+75RB\_20825+20975\_PCC:1RB@0\_SCC:0RB@0



Date: 25 APR 2019 17:06:55

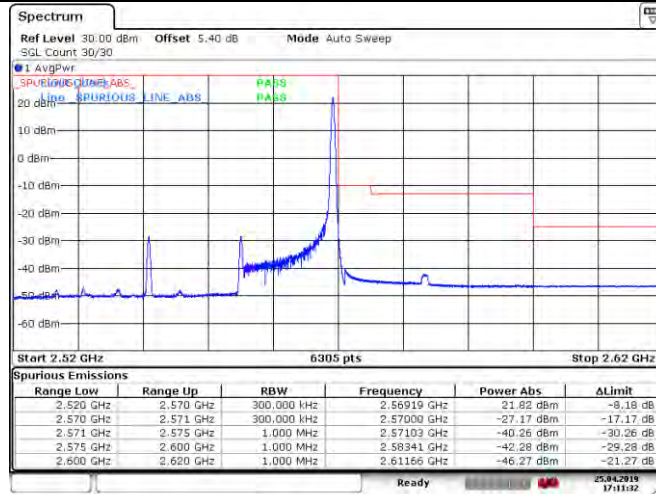
CA\_7C\_QPSK\_75RB+75RB\_20825+20975\_PCC:75RB@0\_SCC:75RB@0



Date: 25 APR 2019 16:50:02

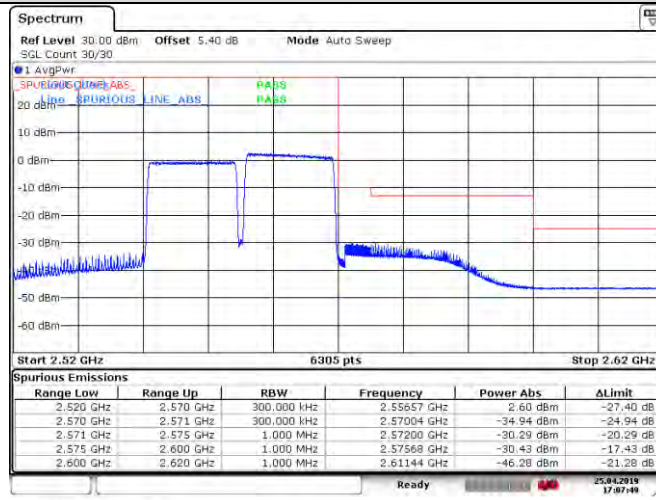
CA\_7C\_QPSK\_75RB+75RB\_21225+21375\_PCC:0RB@0\_SCC:1RB@74





Date: 25 APR 2019 17:11:32

**CA\_7C\_QPSK\_75RB+75RB\_21225+21375\_PCC:75RB@0\_SCC:75RB@0**

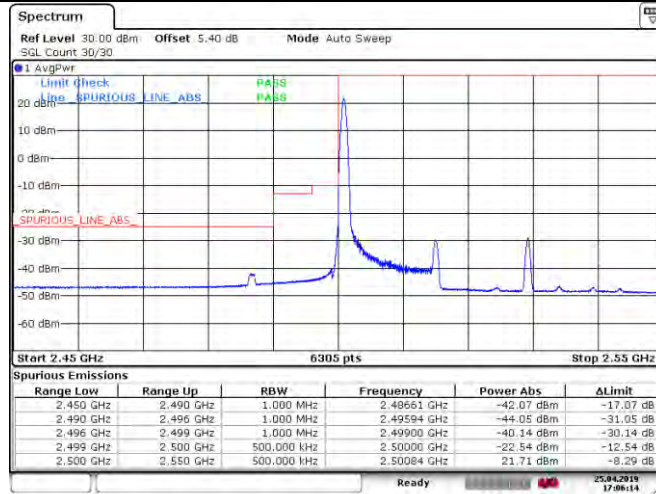


Date: 25 APR 2019 17:07:49

**CA\_7C\_16QAM\_75RB+75RB\_20825+20975\_PCC:1RB@0\_SCC:0RB@0**







Date: 25.APR.2019 17:06:14

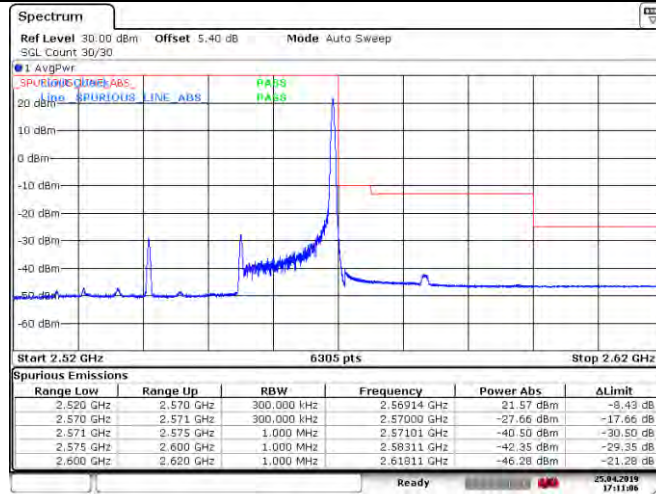
CA\_7C\_16QAM\_75RB+75RB\_20825+20975\_PCC:75RB@0\_SCC:75RB@0



Date: 25.APR.2019 17:02:59

CA\_7C\_16QAM\_75RB+75RB\_21225+21375\_PCC:0RB@0\_SCC:1RB@74





Date: 25 APR 2019 17:11:06

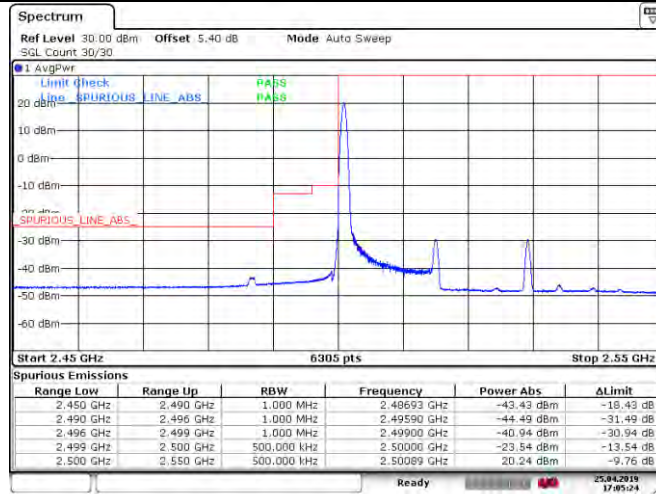
CA\_7C\_16QAM\_75RB+75RB\_21225+21375\_PCC:75RB@0\_SCC:75RB@0



Date: 25 APR 2019 17:08:40

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Date: 25 APR 2019 17:05:24

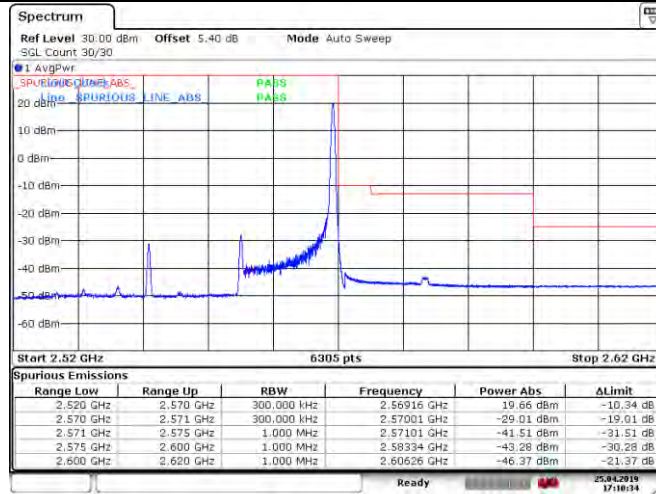
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Date: 25 APR 2019 17:04:17

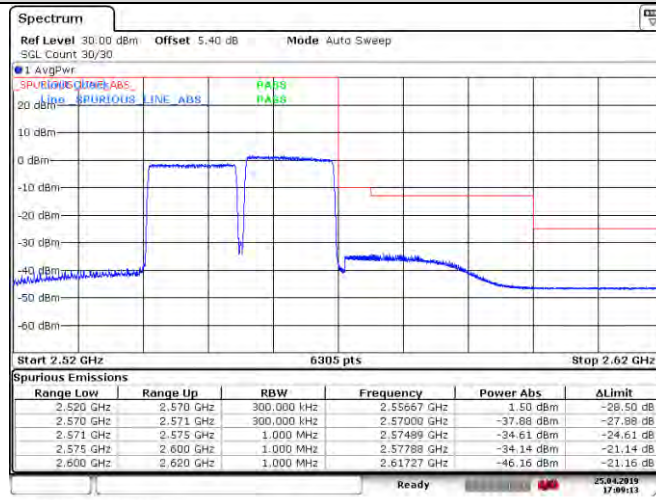
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Date: 25 APR 2019 17:10:35

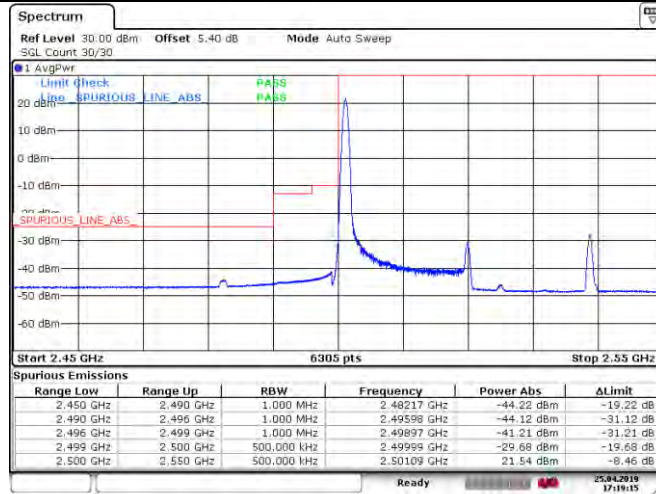
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Date: 25 APR 2019 17:09:14

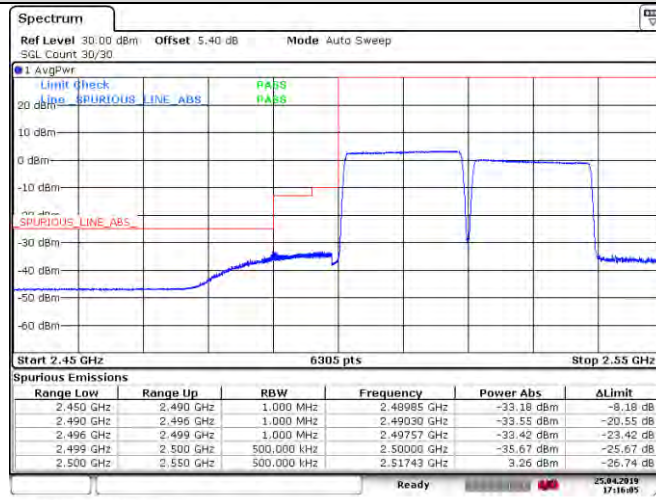
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Date: 25 APR 2019 17:19:16

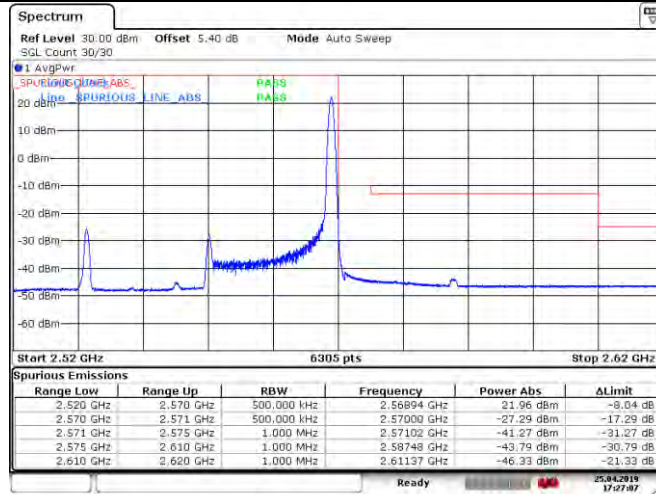
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Date: 25 APR 2019 17:16:05

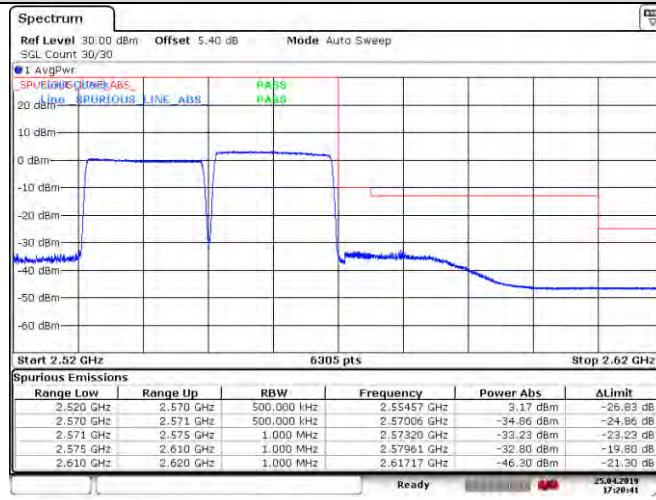
CA\_7C\_QPSK\_100RB+100RB\_21152+21350\_PCC:0RB@0\_SCC:1RB@99





Date: 25 APR 2019 17:27:07

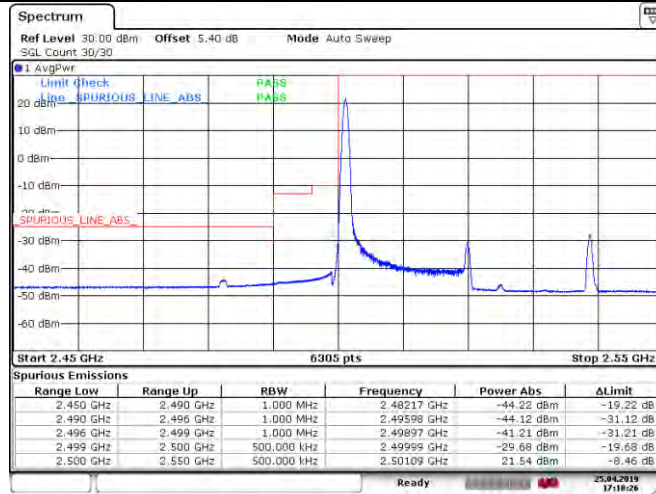
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Date: 25 APR 2019 17:20:41

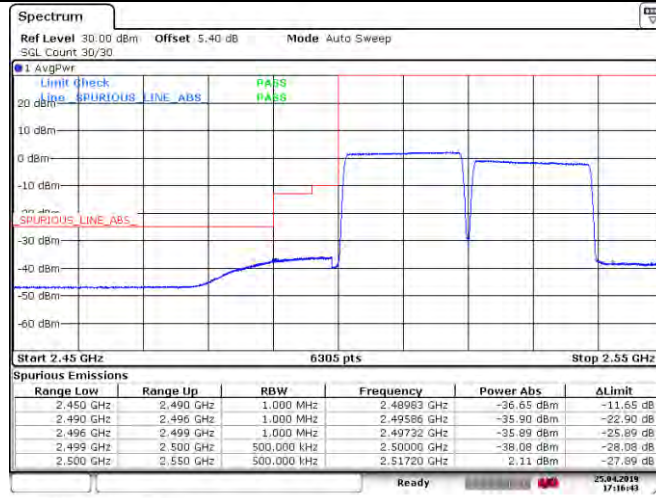
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Date: 25 APR 2019 17:18:26

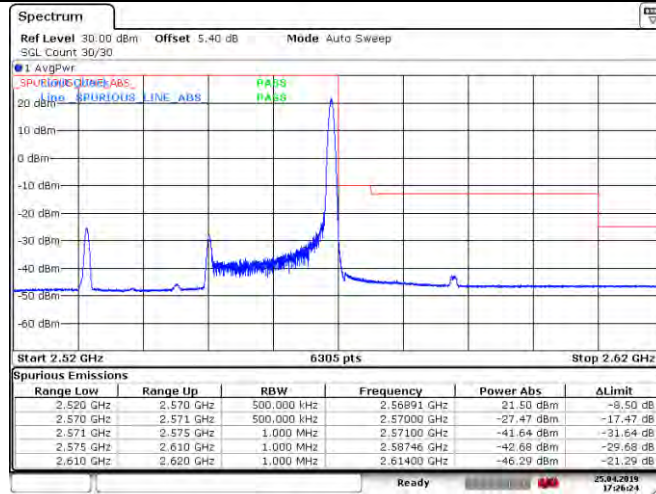
CA\_7C\_16QAM\_100RB+100RB\_20850+21048\_PCC:100RB@0\_SCC:100RB@0



Date: 25 APR 2019 17:18:44

CA\_7C\_16QAM\_100RB+100RB\_21152+21350\_PCC:0RB@0\_SCC:1RB@99





Date: 25 APR 2019 17:26:25

CA\_7C\_16QAM\_100RB+100RB\_21152+21350\_PCC:100RB@0\_SCC:100RB@0

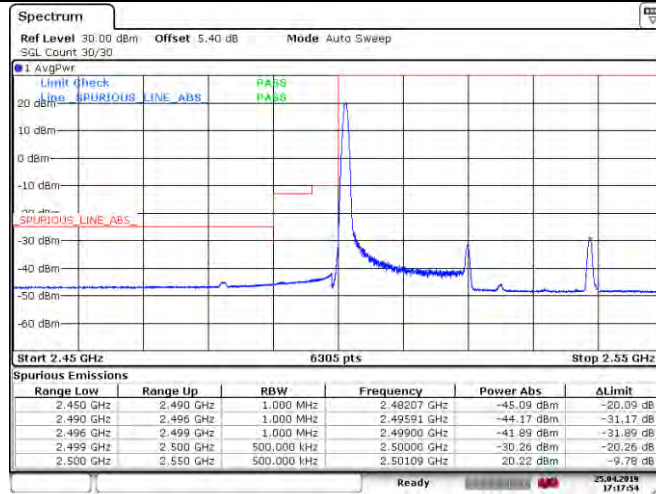


Date: 25 APR 2019 17:24:43

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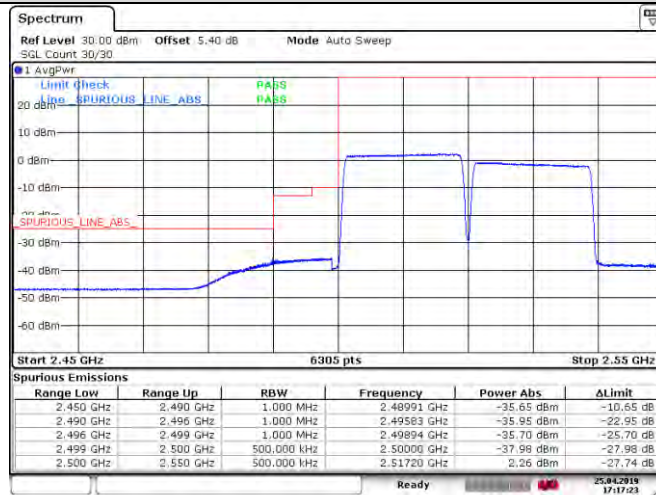






Date: 25 APR 2019 17:17:55

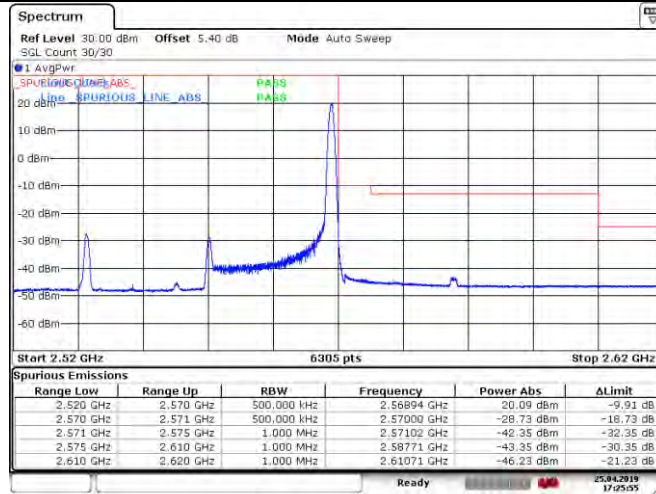
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Date: 25 APR 2019 17:17:23

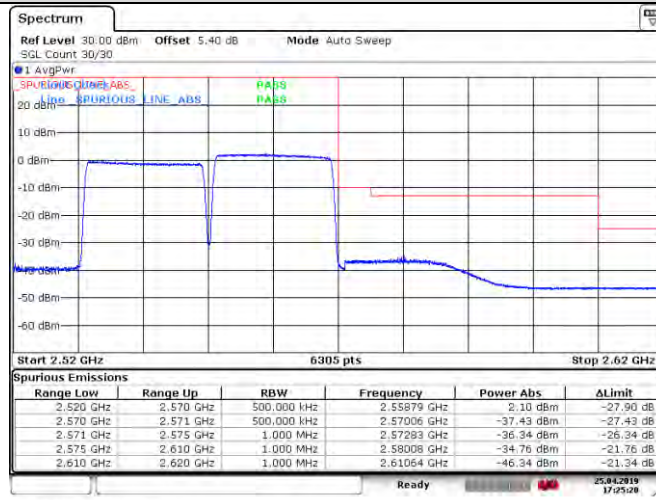
CA\_7C\_64QAM\_100RB+100RB\_21152+21350\_PCC:0RB@0\_SCC:1RB@99





Date: 25 APR 2019 17:25:55

CA\_7C\_64QAM\_100RB+100RB\_21152+21350\_PCC:100RB@0\_SCC:100RB@0



Date: 25 APR 2019 17:25:21



## 6 Spurious Emission at Antenna Terminal

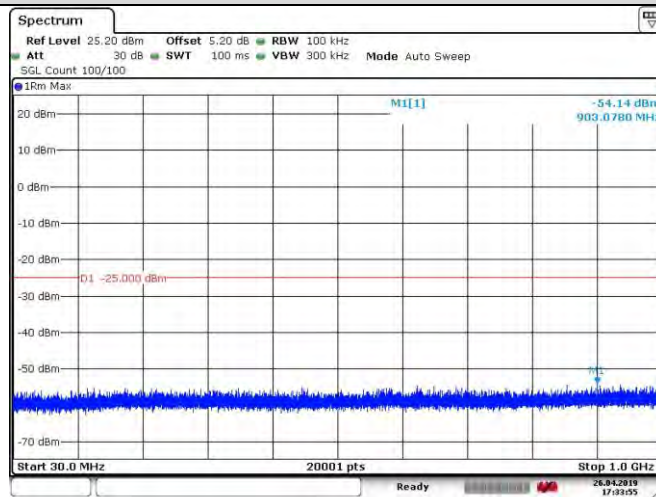
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = 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

Part I - Test Plots

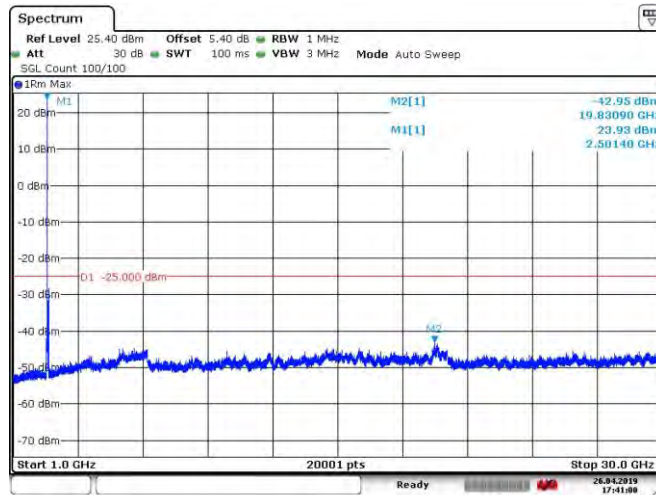
### 6.1 For LTE

#### 6.1.1 Test Band = LTE Band CA\_7C

CA\_7C\_QPSK\_100RB+100RB\_20850+21048\_PCC:1RB@0\_SCC:0RB@0



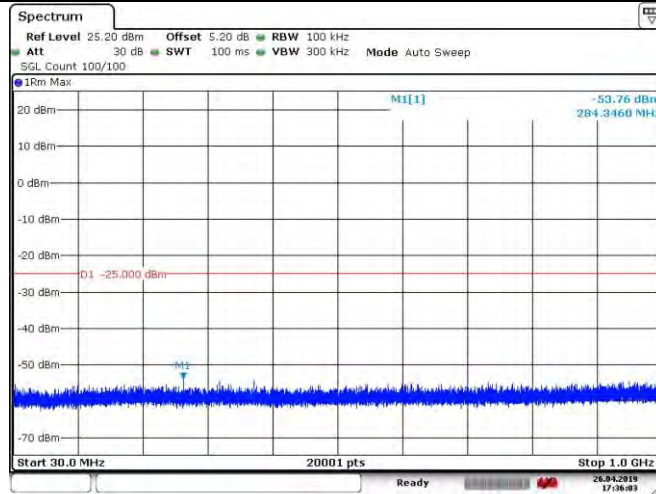
Date: 26 APR 2019 17:33:56



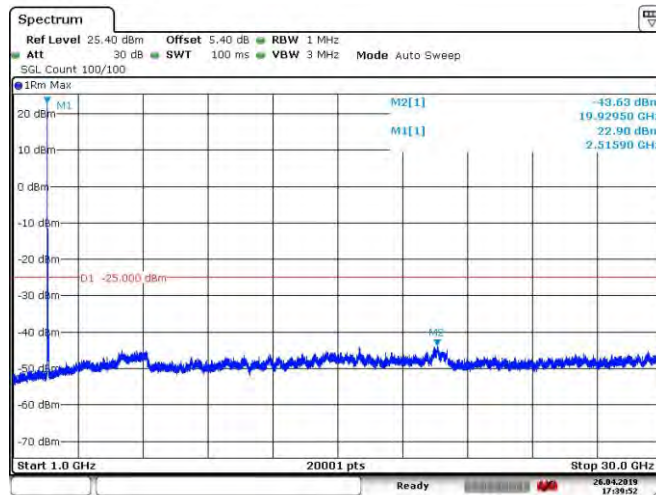
Date: 26 APR 2019 17:41:01

CA\_7C\_QPSK\_100RB+100RB\_21001+21199\_PCC:1RB@0\_SCC:0RB@0



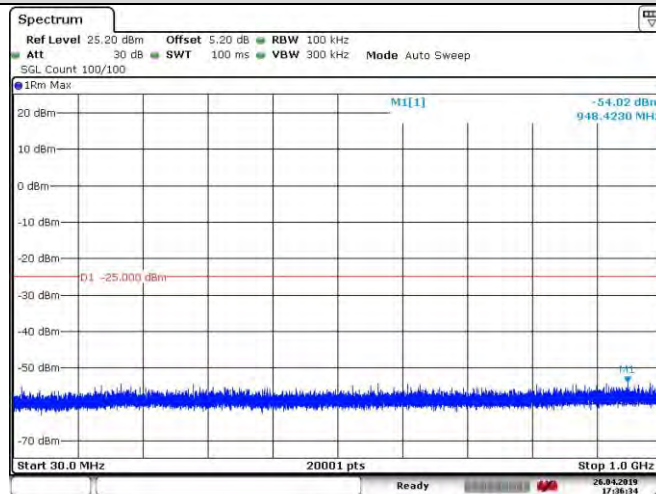


Date: 26 APR 2019 17:36:04



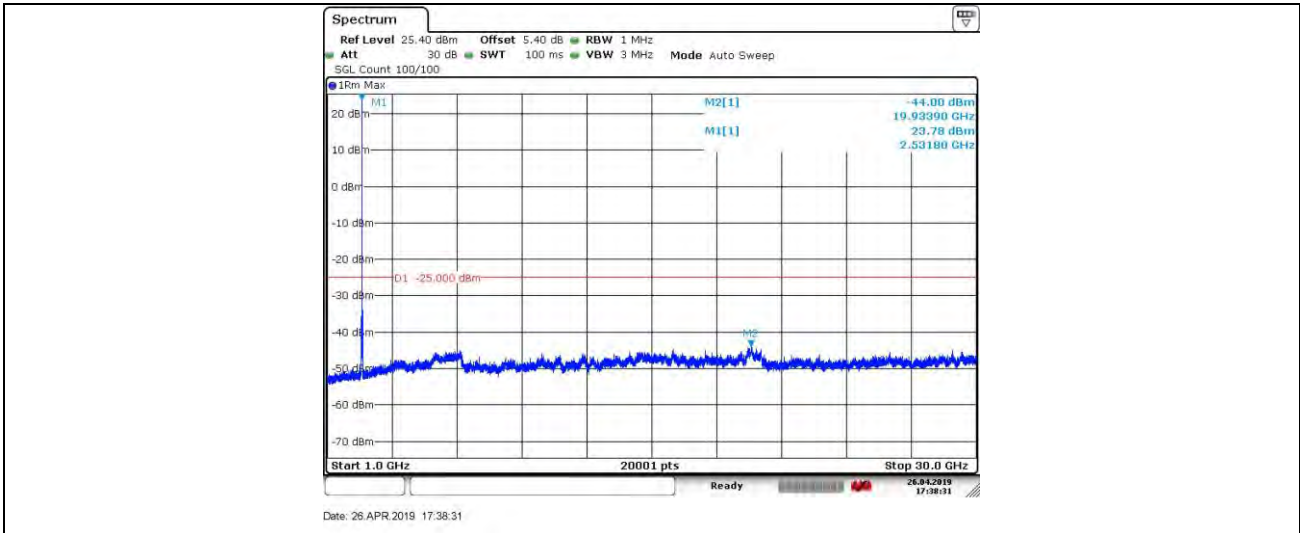
Date: 26 APR 2019 17:39:52

**CA\_7C\_QPSK\_100RB+100RB\_21152+21350\_PCC:1RB@0\_SCC:0RB@0**



Date: 26 APR 2019 17:36:33





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## 7 Field Strength of Spurious Radiation

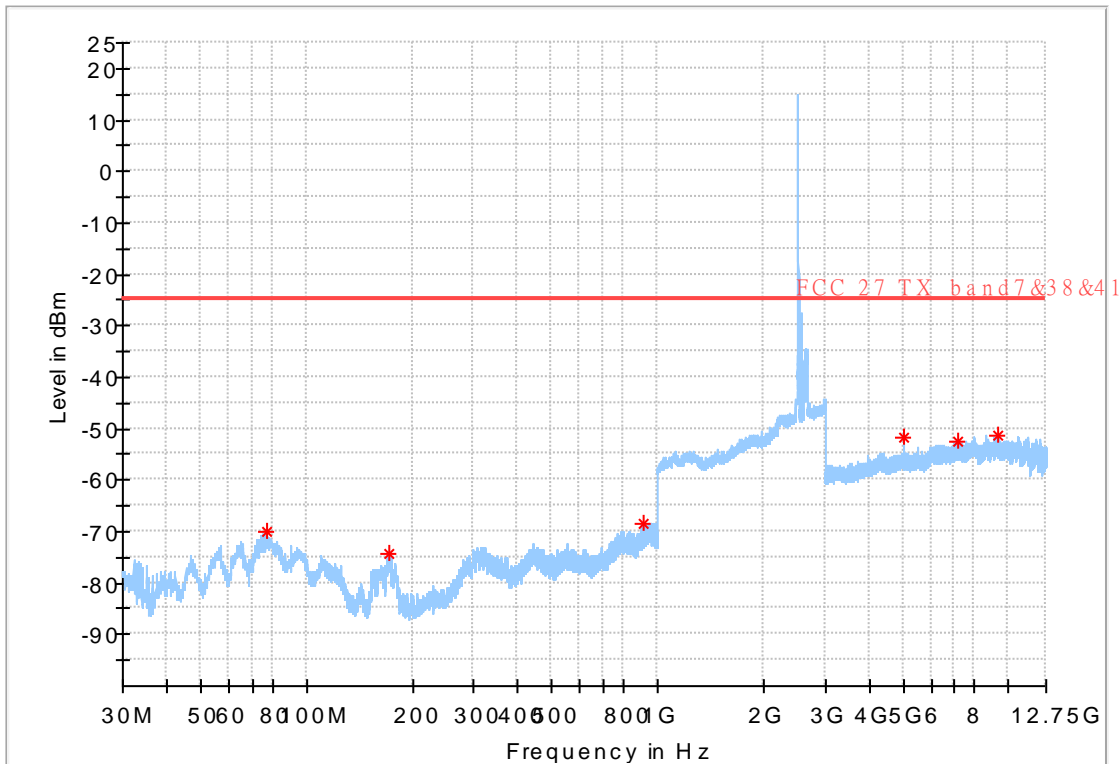
### 7.1 For LTE

#### 7.1.1 Test Band = LTE Band CA\_7C\_Main Antenna (Down Antenna)

##### 7.1.1.1 Test Mode =LTE/QPSK

##### 7.1.1.1.1 Test Channel = LCH\_Vertical

Full Spectrum

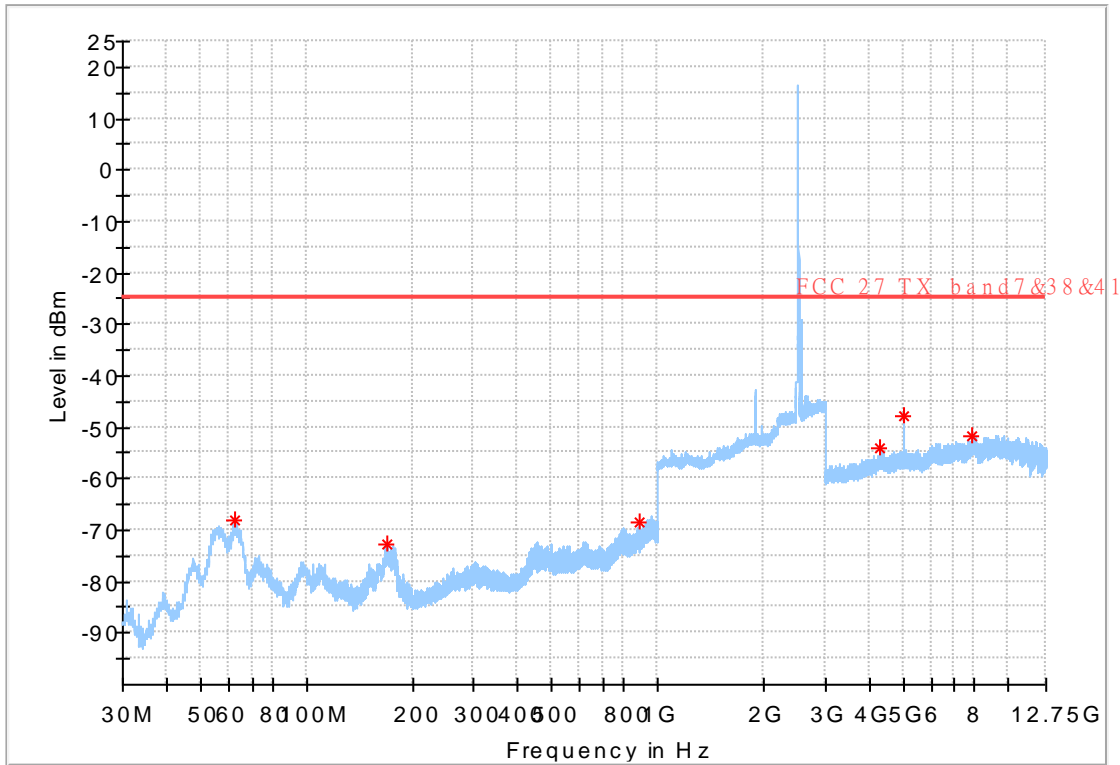


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**7.1.1.1.2 Test Channel = LCH\_Horizontal**

Full Spectrum

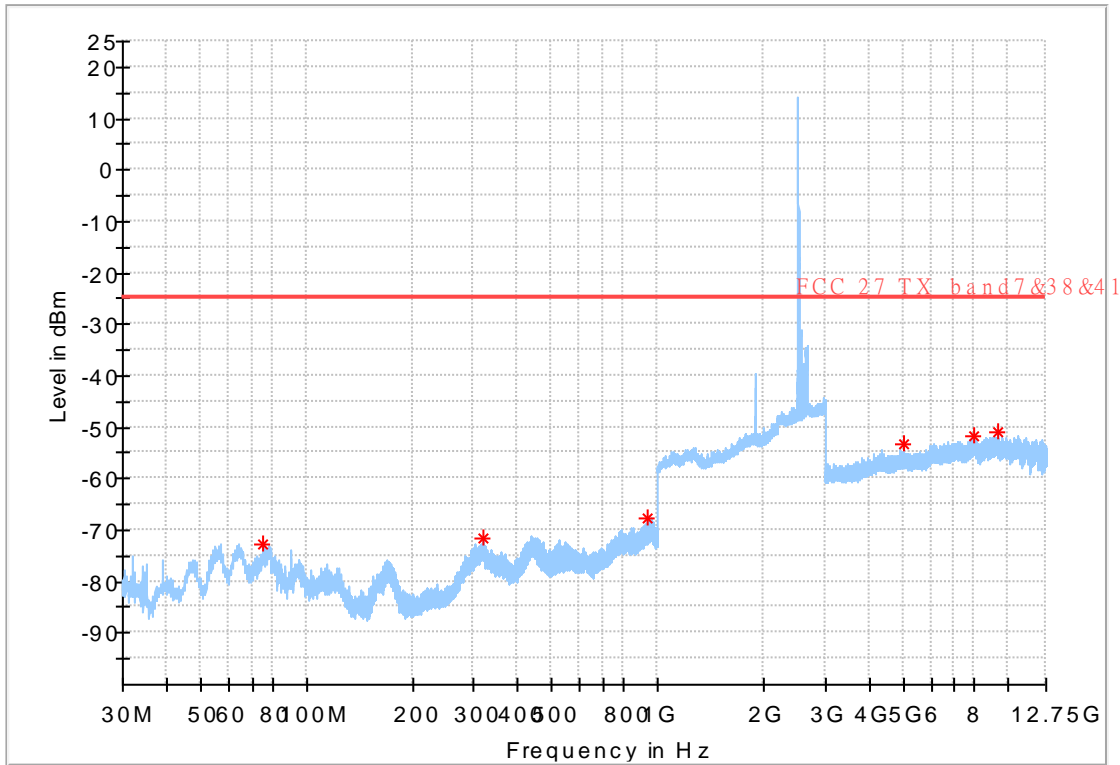


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**7.1.1.1.3 Test Channel = MCH\_Verical**

Full Spectrum

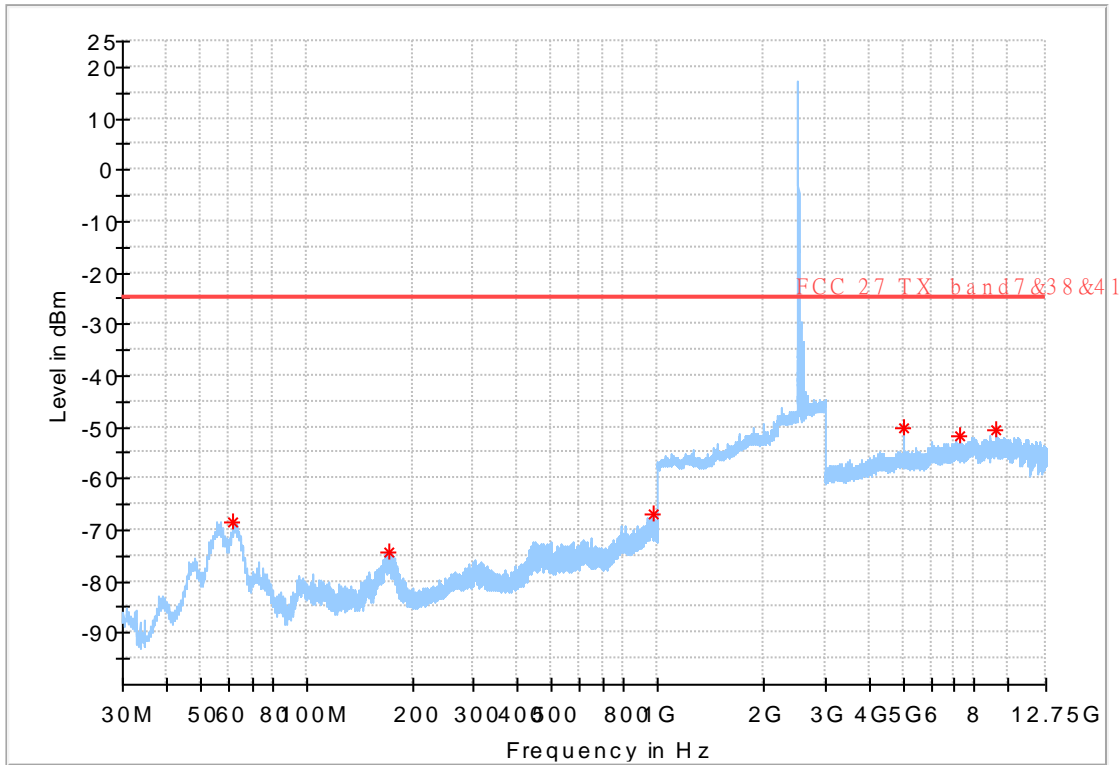


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**7.1.1.1.4 Test Channel = MCH\_Horizontal**

Full Spectrum

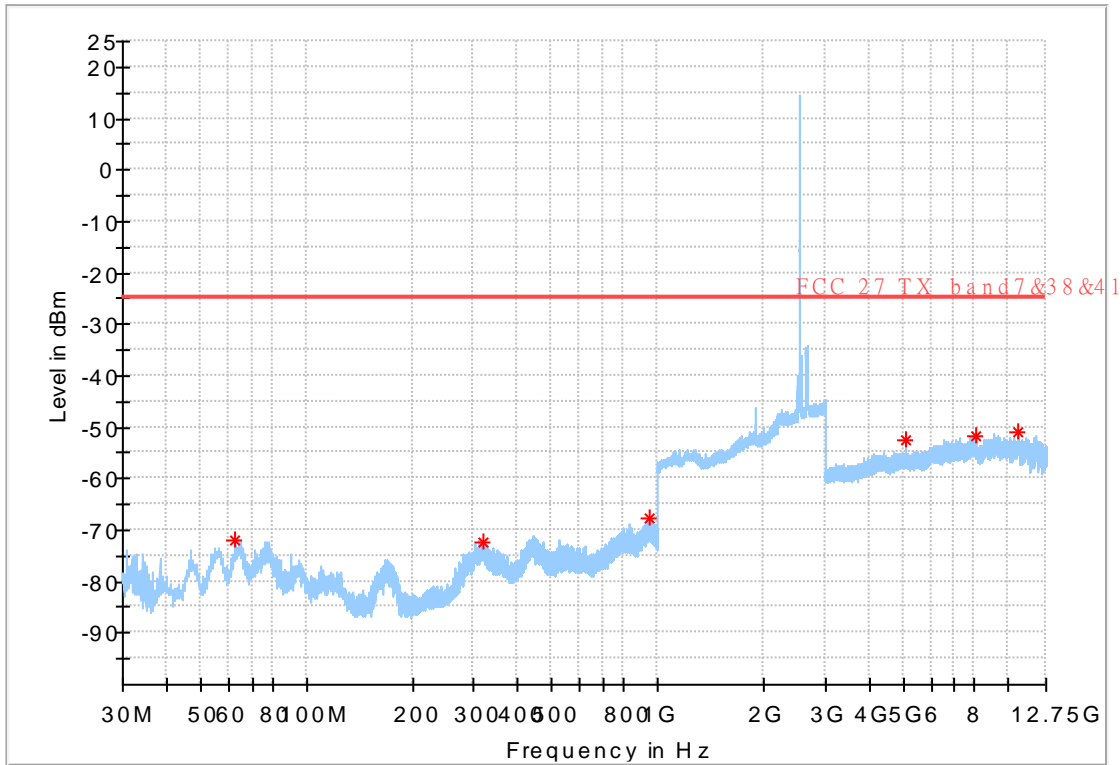


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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**7.1.1.1.5 Test Channel = HCH\_Vertical**

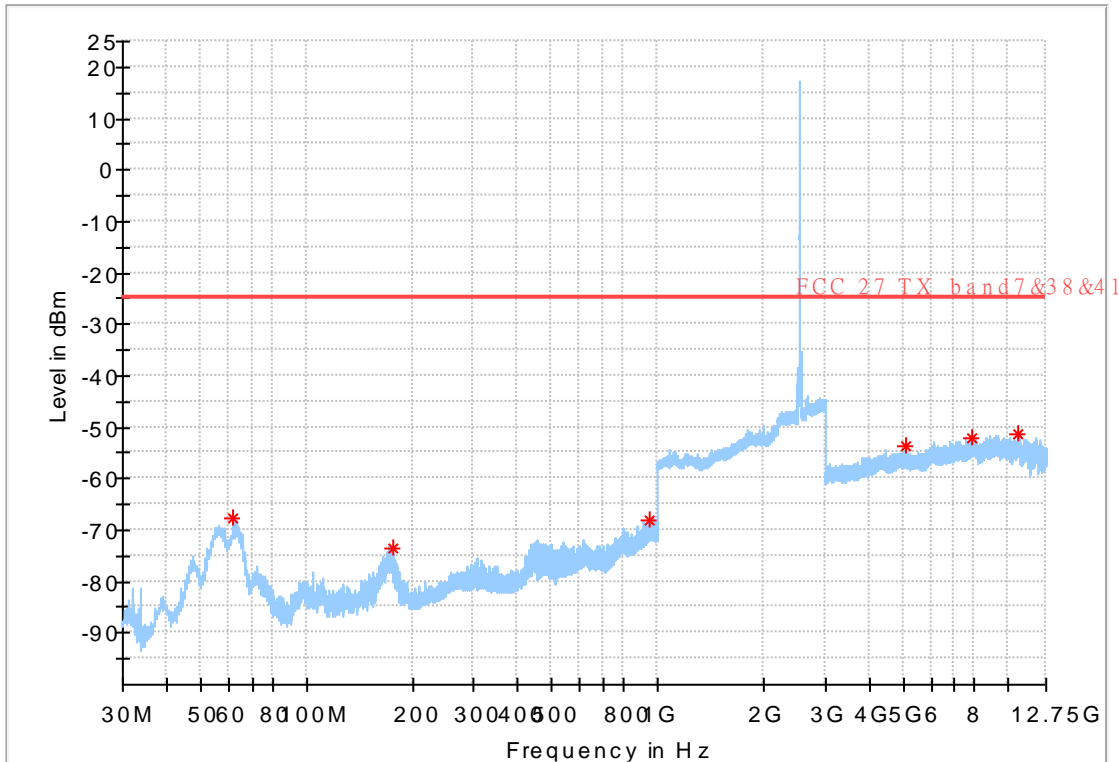
Full Spectrum



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**7.1.1.1.6 Test Channel = HCH\_Horizontal**

Full Spectrum



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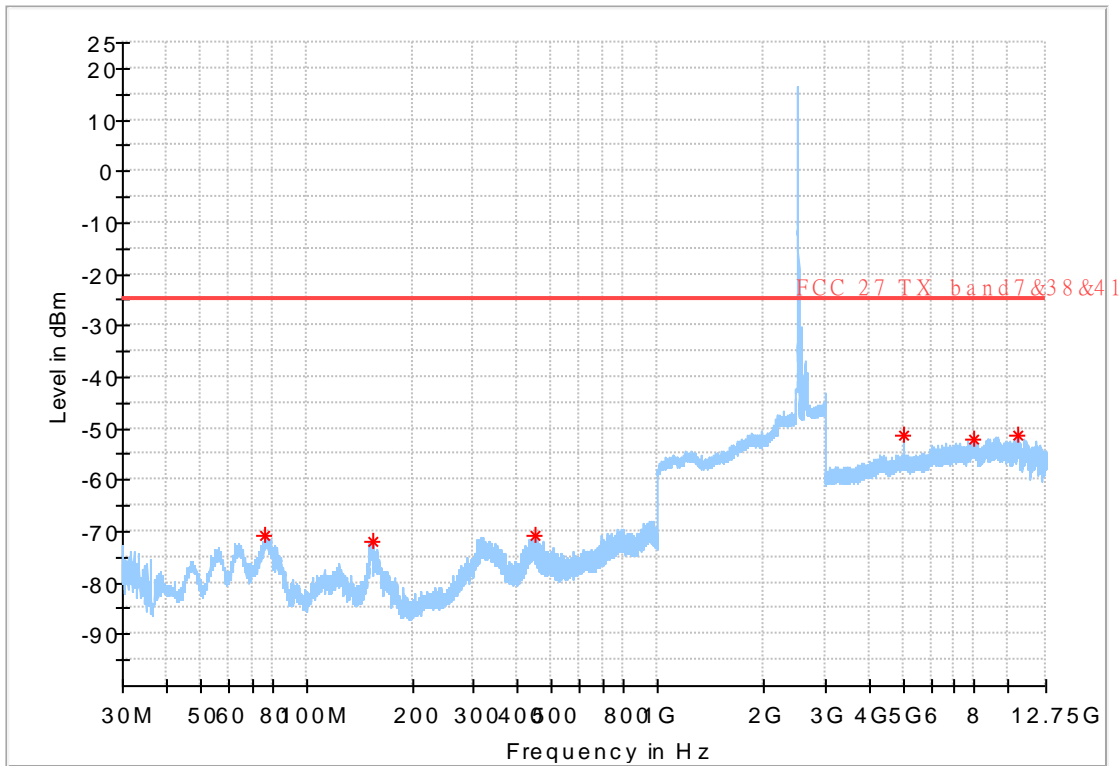
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**7.1.2 Test Band = LTE Band CA\_7C (Up Antenna)**

**7.1.2.1 Test Mode =LTE/QPSK**

**7.1.2.1.1 Test Channel = LCH\_Vertical**

Full Spectrum

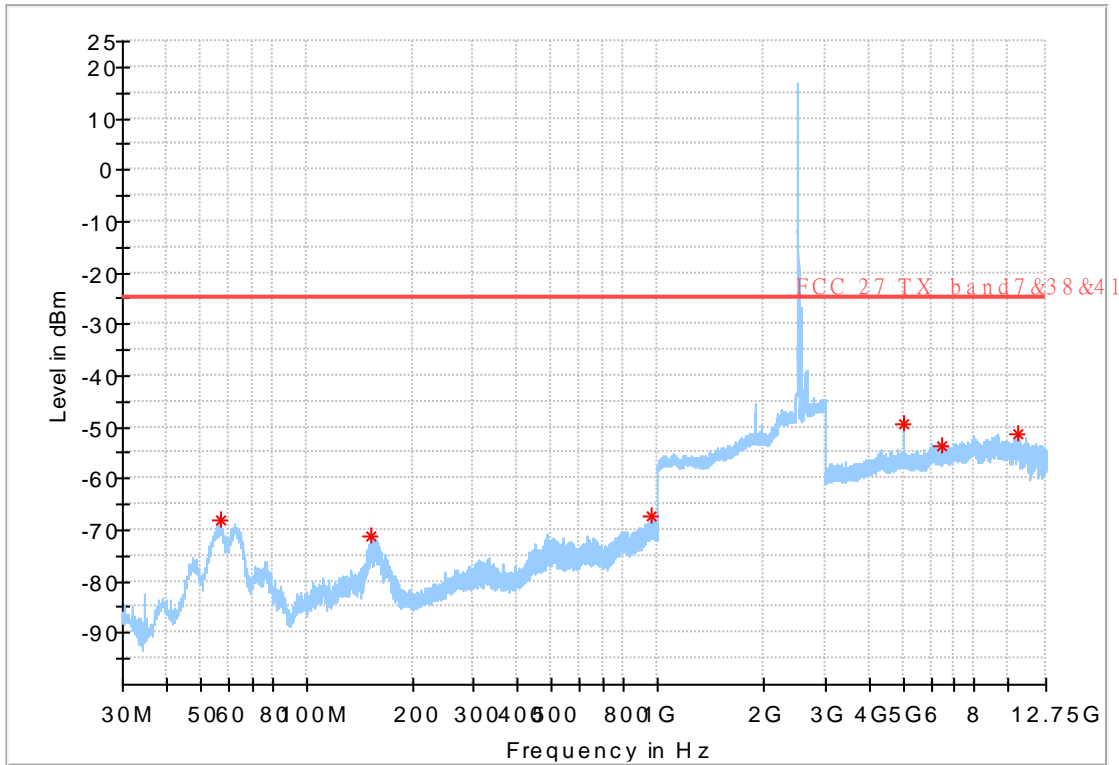


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**7.1.2.1.2 Test Channel = LCH\_Horizontal**

Full Spectrum

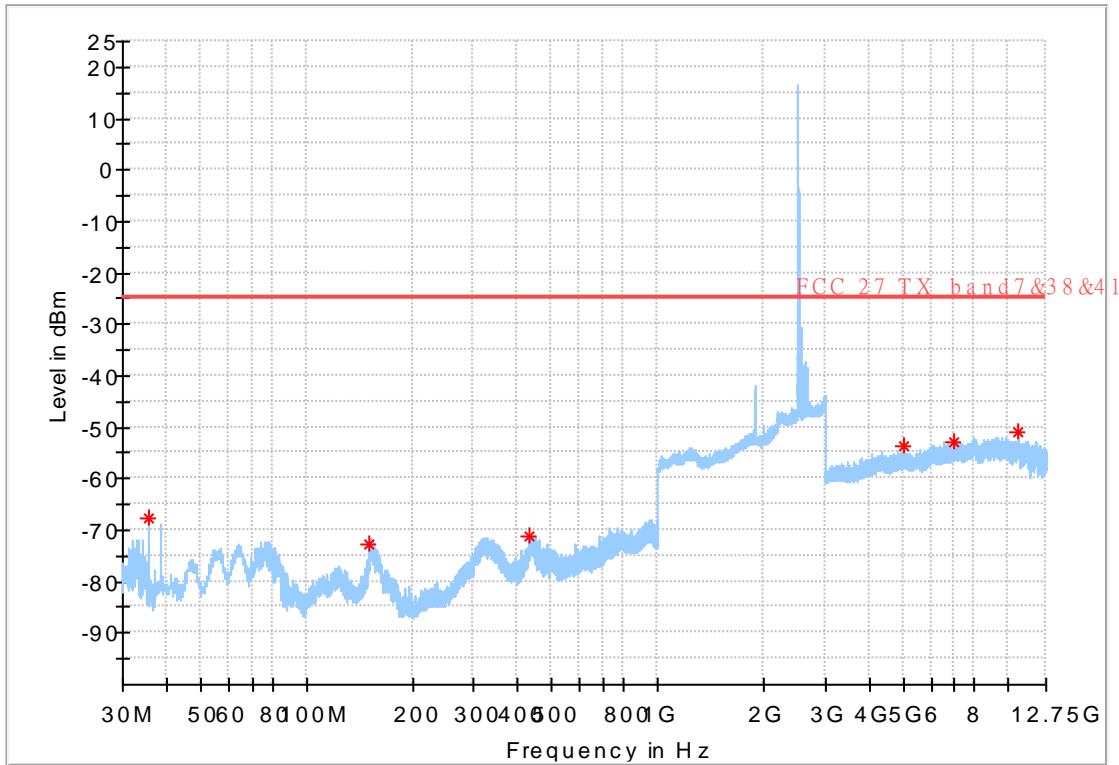


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**7.1.2.1.3 Test Channel = MCH\_Verical**

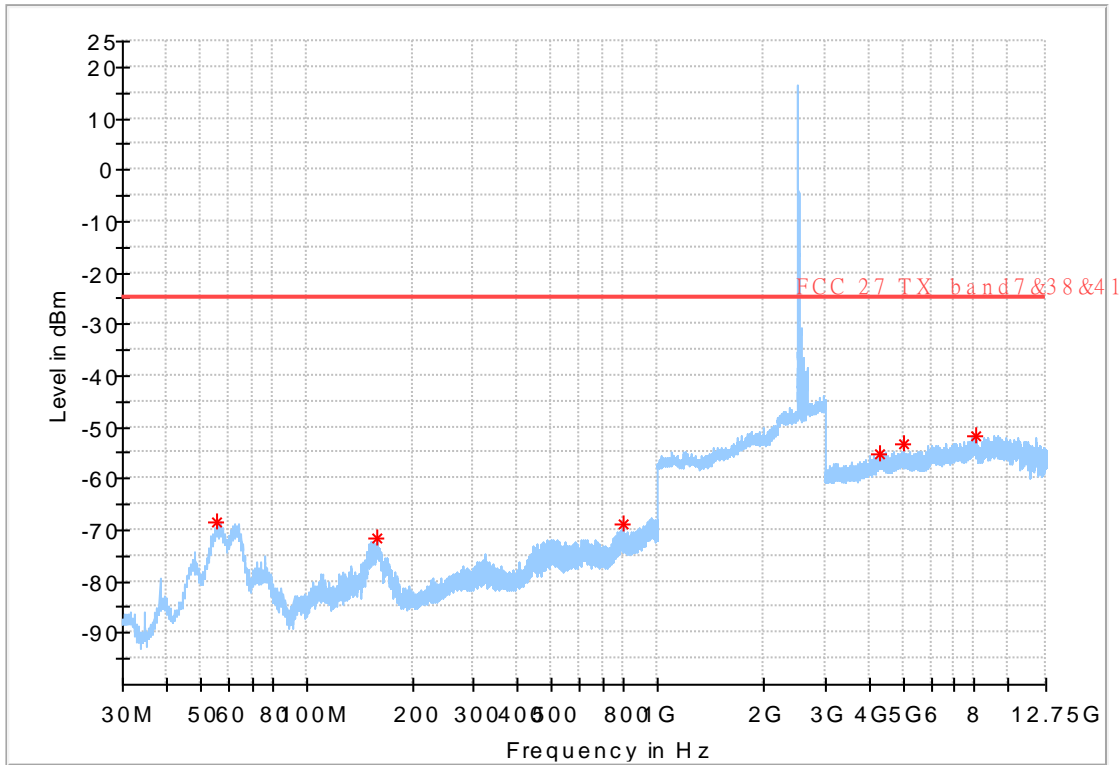
Full Spectrum



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7.1.2.1.4 Test Channel = MCH\_Horizontal

Full Spectrum

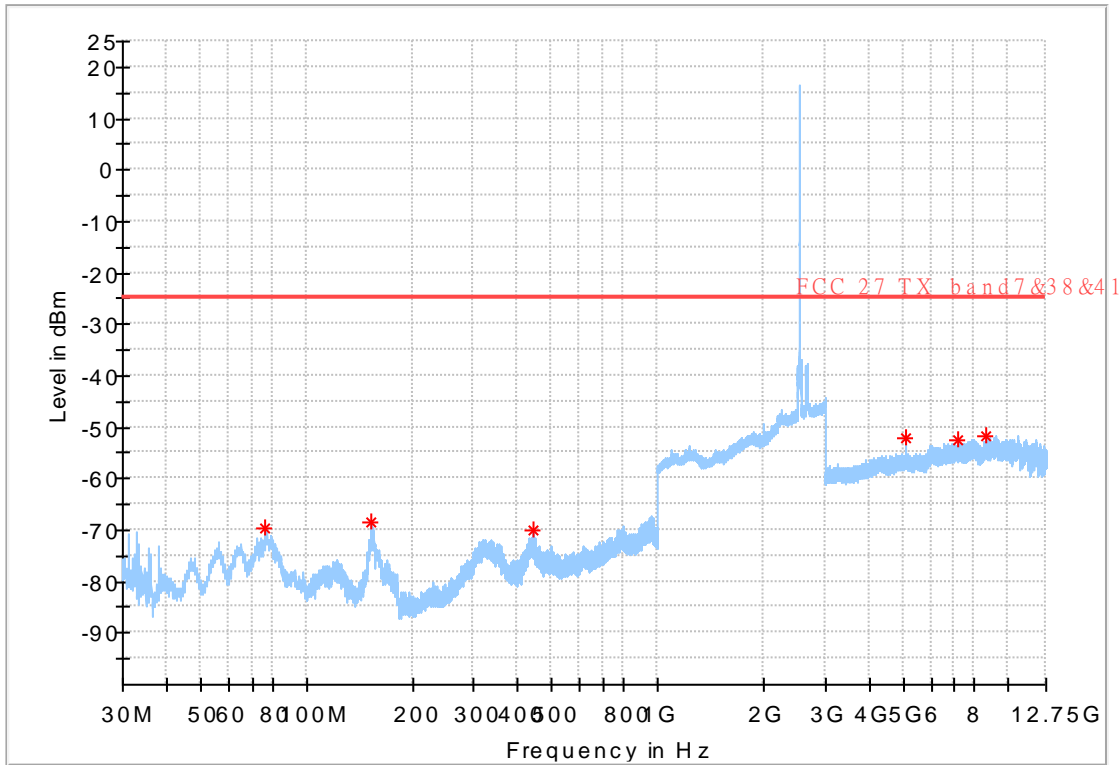


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**7.1.2.1.5 Test Channel = HCH\_Veritical**

Full Spectrum



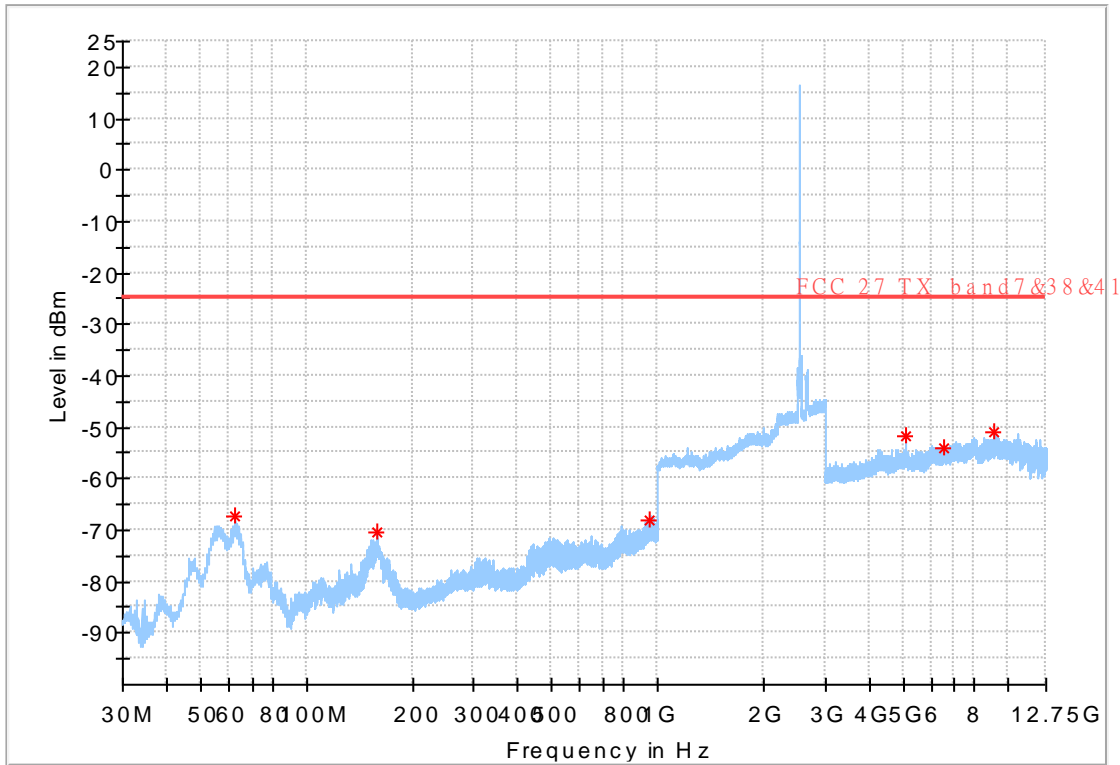
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**7.1.2.1.6 Test Channel = HCH\_Horizontal**

Full Spectrum



**NOTE:**

- 1) The disturbance above 12.75GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 2) We have tested all combinations and all modulations, but only the worst case data presented in this report.





## 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_7C	QPSK	20850+21048	100RB#0/100RB#0	TN	NV	-11.89	-0.004746	PASS
CA_7C	QPSK	21001+21199	100RB#0/100RB#0	TN	NV	14.00	0.005545	PASS
CA_7C	QPSK	21152+21350	100RB#0/100RB#0	TN	NV	1.01	0.000399	PASS
CA_7C	QPSK	21048+20850	100RB#0/100RB#0	TN	NV	8.85	0.003497	PASS
CA_7C	QPSK	21199+21001	100RB#0/100RB#0	TN	NV	13.72	0.005390	PASS
CA_7C	QPSK	21350+21152	100RB#0/100RB#0	TN	NV	-8.08	-0.003157	PASS
CA_7C	16QAM	20850+21048	100RB#0/100RB#0	TN	NV	6.41	0.002559	PASS
CA_7C	16QAM	21001+21199	100RB#0/100RB#0	TN	NV	-4.47	-0.001770	PASS
CA_7C	16QAM	21152+21350	100RB#0/100RB#0	TN	NV	1.20	0.000471	PASS
CA_7C	16QAM	21048+20850	100RB#0/100RB#0	TN	NV	8.03	0.003175	PASS
CA_7C	16QAM	21199+21001	100RB#0/100RB#0	TN	NV	8.13	0.003196	PASS
CA_7C	16QAM	21350+21152	100RB#0/100RB#0	TN	NV	10.78	0.004209	PASS
CA_7C	64QAM	20850+21048	100RB#0/100RB#0	TN	NV	-8.94	-0.003570	PASS
CA_7C	64QAM	21001+21199	100RB#0/100RB#0	TN	NV	3.21	0.001271	PASS
CA_7C	64QAM	21152+21350	100RB#0/100RB#0	TN	NV	-11.31	-0.004451	PASS
CA_7C	64QAM	21048+20850	100RB#0/100RB#0	TN	NV	10.53	0.004161	PASS
CA_7C	64QAM	21199+21001	100RB#0/100RB#0	TN	NV	0.27	0.000108	PASS
CA_7C	64QAM	21350+21152	100RB#0/100RB#0	TN	NV	2.09	0.000818	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_7C	QPSK	20850+21048	100RB#0/100RB#0	NV	-30	12.29	0.004904	PASS
CA_7C	QPSK	20850+21048	100RB#0/100RB#0	NV	-20	8.85	0.003531	PASS
CA_7C	QPSK	20850+21048	100RB#0/100RB#0	NV	-10	8.92	0.003559	PASS
CA_7C	QPSK	20850+21048	100RB#0/100RB#0	NV	0	-0.63	-0.000250	PASS
CA_7C	QPSK	20850+21048	100RB#0/100RB#0	NV	10	10.18	0.004061	PASS
CA_7C	QPSK	20850+21048	100RB#0/100RB#0	NV	20	-8.05	-0.003213	PASS
CA_7C	QPSK	20850+21048	100RB#0/100RB#0	NV	30	-6.14	-0.002451	PASS
CA_7C	QPSK	20850+21048	100RB#0/100RB#0	NV	40	7.28	0.002906	PASS
CA_7C	QPSK	20850+21048	100RB#0/100RB#0	NV	50	11.00	0.004389	PASS
CA_7C	QPSK	21001+21199	100RB#0/100RB#0	NV	-30	3.38	0.001340	PASS
CA_7C	QPSK	21001+21199	100RB#0/100RB#0	NV	-20	-6.38	-0.002528	PASS
CA_7C	QPSK	21001+21199	100RB#0/100RB#0	NV	-10	-5.47	-0.002165	PASS
CA_7C	QPSK	21001+21199	100RB#0/100RB#0	NV	0	-1.39	-0.000551	PASS
CA_7C	QPSK	21001+21199	100RB#0/100RB#0	NV	10	-11.69	-0.004630	PASS
CA_7C	QPSK	21001+21199	100RB#0/100RB#0	NV	20	-3.54	-0.001401	PASS



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CA_7C	QPSK	21001+21199	100RB#0/100RB#0	NV	30	-14.01	-0.005548	PASS
CA_7C	QPSK	21001+21199	100RB#0/100RB#0	NV	40	7.54	0.002988	PASS
CA_7C	QPSK	21001+21199	100RB#0/100RB#0	NV	50	10.63	0.004209	PASS
CA_7C	QPSK	21152+21350	100RB#0/100RB#0	NV	-30	6.45	0.002540	PASS
CA_7C	QPSK	21152+21350	100RB#0/100RB#0	NV	-20	-0.97	-0.000382	PASS
CA_7C	QPSK	21152+21350	100RB#0/100RB#0	NV	-10	14.09	0.005545	PASS
CA_7C	QPSK	21152+21350	100RB#0/100RB#0	NV	0	14.01	0.005515	PASS
CA_7C	QPSK	21152+21350	100RB#0/100RB#0	NV	10	-14.37	-0.005658	PASS
CA_7C	QPSK	21152+21350	100RB#0/100RB#0	NV	20	6.18	0.002432	PASS
CA_7C	QPSK	21152+21350	100RB#0/100RB#0	NV	30	-10.39	-0.004090	PASS
CA_7C	QPSK	21152+21350	100RB#0/100RB#0	NV	40	1.99	0.000783	PASS
CA_7C	QPSK	21152+21350	100RB#0/100RB#0	NV	50	11.57	0.004555	PASS
CA_7C	QPSK	21048+20850	100RB#0/100RB#0	NV	-30	7.38	0.002916	PASS
CA_7C	QPSK	21048+20850	100RB#0/100RB#0	NV	-20	2.14	0.000846	PASS
CA_7C	QPSK	21048+20850	100RB#0/100RB#0	NV	-10	-1.93	-0.000763	PASS
CA_7C	QPSK	21048+20850	100RB#0/100RB#0	NV	0	12.34	0.004877	PASS
CA_7C	QPSK	21048+20850	100RB#0/100RB#0	NV	10	-14.60	-0.005770	PASS
CA_7C	QPSK	21048+20850	100RB#0/100RB#0	NV	20	12.64	0.004996	PASS
CA_7C	QPSK	21048+20850	100RB#0/100RB#0	NV	30	-9.27	-0.003663	PASS
CA_7C	QPSK	21048+20850	100RB#0/100RB#0	NV	40	7.83	0.003094	PASS
CA_7C	QPSK	21048+20850	100RB#0/100RB#0	NV	50	-2.94	-0.001163	PASS
CA_7C	QPSK	21199+21001	100RB#0/100RB#0	NV	-30	11.98	0.004707	PASS
CA_7C	QPSK	21199+21001	100RB#0/100RB#0	NV	-20	-9.59	-0.003769	PASS
CA_7C	QPSK	21199+21001	100RB#0/100RB#0	NV	-10	-10.47	-0.004114	PASS
CA_7C	QPSK	21199+21001	100RB#0/100RB#0	NV	0	-5.08	-0.001997	PASS
CA_7C	QPSK	21199+21001	100RB#0/100RB#0	NV	10	-0.69	-0.000271	PASS
CA_7C	QPSK	21199+21001	100RB#0/100RB#0	NV	20	-9.28	-0.003645	PASS
CA_7C	QPSK	21199+21001	100RB#0/100RB#0	NV	30	-9.80	-0.003851	PASS
CA_7C	QPSK	21199+21001	100RB#0/100RB#0	NV	40	11.58	0.004551	PASS
CA_7C	QPSK	21199+21001	100RB#0/100RB#0	NV	50	-11.30	-0.004441	PASS
CA_7C	QPSK	21350+21152	100RB#0/100RB#0	NV	-30	-2.57	-0.001002	PASS
CA_7C	QPSK	21350+21152	100RB#0/100RB#0	NV	-20	-1.45	-0.000567	PASS
CA_7C	QPSK	21350+21152	100RB#0/100RB#0	NV	-10	-14.40	-0.005625	PASS
CA_7C	QPSK	21350+21152	100RB#0/100RB#0	NV	0	12.06	0.004709	PASS
CA_7C	QPSK	21350+21152	100RB#0/100RB#0	NV	10	1.79	0.000700	PASS
CA_7C	QPSK	21350+21152	100RB#0/100RB#0	NV	20	-3.97	-0.001552	PASS
CA_7C	QPSK	21350+21152	100RB#0/100RB#0	NV	30	-1.05	-0.000412	PASS
CA_7C	QPSK	21350+21152	100RB#0/100RB#0	NV	40	12.00	0.004687	PASS
CA_7C	QPSK	21350+21152	100RB#0/100RB#0	NV	50	-4.78	-0.001866	PASS
CA_7C	16QAM	20850+21048	100RB#0/100RB#0	NV	-30	0.64	0.000255	PASS
CA_7C	16QAM	20850+21048	100RB#0/100RB#0	NV	-20	14.30	0.005708	PASS
CA_7C	16QAM	20850+21048	100RB#0/100RB#0	NV	-10	-0.54	-0.000214	PASS
CA_7C	16QAM	20850+21048	100RB#0/100RB#0	NV	0	2.42	0.000967	PASS
CA_7C	16QAM	20850+21048	100RB#0/100RB#0	NV	10	-3.29	-0.001313	PASS



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CA_7C	16QAM	20850+21048	100RB#0/100RB#0	NV	20	-7.29	-0.002911	PASS
CA_7C	16QAM	20850+21048	100RB#0/100RB#0	NV	30	-3.97	-0.001585	PASS
CA_7C	16QAM	20850+21048	100RB#0/100RB#0	NV	40	-2.61	-0.001043	PASS
CA_7C	16QAM	20850+21048	100RB#0/100RB#0	NV	50	-14.84	-0.005922	PASS
CA_7C	16QAM	21001+21199	100RB#0/100RB#0	NV	-30	-14.54	-0.005758	PASS
CA_7C	16QAM	21001+21199	100RB#0/100RB#0	NV	-20	-1.29	-0.000510	PASS
CA_7C	16QAM	21001+21199	100RB#0/100RB#0	NV	-10	9.02	0.003572	PASS
CA_7C	16QAM	21001+21199	100RB#0/100RB#0	NV	0	14.97	0.005930	PASS
CA_7C	16QAM	21001+21199	100RB#0/100RB#0	NV	10	-9.27	-0.003671	PASS
CA_7C	16QAM	21001+21199	100RB#0/100RB#0	NV	20	7.38	0.002921	PASS
CA_7C	16QAM	21001+21199	100RB#0/100RB#0	NV	30	10.31	0.004081	PASS
CA_7C	16QAM	21001+21199	100RB#0/100RB#0	NV	40	0.75	0.000296	PASS
CA_7C	16QAM	21001+21199	100RB#0/100RB#0	NV	50	-2.23	-0.000882	PASS
CA_7C	16QAM	21152+21350	100RB#0/100RB#0	NV	-30	13.58	0.005346	PASS
CA_7C	16QAM	21152+21350	100RB#0/100RB#0	NV	-20	8.47	0.003334	PASS
CA_7C	16QAM	21152+21350	100RB#0/100RB#0	NV	-10	2.29	0.000903	PASS
CA_7C	16QAM	21152+21350	100RB#0/100RB#0	NV	0	7.35	0.002892	PASS
CA_7C	16QAM	21152+21350	100RB#0/100RB#0	NV	10	-10.51	-0.004136	PASS
CA_7C	16QAM	21152+21350	100RB#0/100RB#0	NV	20	0.84	0.000330	PASS
CA_7C	16QAM	21152+21350	100RB#0/100RB#0	NV	30	-0.63	-0.000248	PASS
CA_7C	16QAM	21152+21350	100RB#0/100RB#0	NV	40	-3.12	-0.001228	PASS
CA_7C	16QAM	21152+21350	100RB#0/100RB#0	NV	50	8.88	0.003495	PASS
CA_7C	16QAM	21048+20850	100RB#0/100RB#0	NV	-30	12.19	0.004818	PASS
CA_7C	16QAM	21048+20850	100RB#0/100RB#0	NV	-20	10.22	0.004038	PASS
CA_7C	16QAM	21048+20850	100RB#0/100RB#0	NV	-10	-10.56	-0.004176	PASS
CA_7C	16QAM	21048+20850	100RB#0/100RB#0	NV	0	3.15	0.001247	PASS
CA_7C	16QAM	21048+20850	100RB#0/100RB#0	NV	10	5.21	0.002061	PASS
CA_7C	16QAM	21048+20850	100RB#0/100RB#0	NV	20	11.27	0.004455	PASS
CA_7C	16QAM	21048+20850	100RB#0/100RB#0	NV	30	-13.31	-0.005259	PASS
CA_7C	16QAM	21048+20850	100RB#0/100RB#0	NV	40	7.48	0.002957	PASS
CA_7C	16QAM	21048+20850	100RB#0/100RB#0	NV	50	5.87	0.002319	PASS
CA_7C	16QAM	21199+21001	100RB#0/100RB#0	NV	-30	-6.23	-0.002450	PASS
CA_7C	16QAM	21199+21001	100RB#0/100RB#0	NV	-20	0.05	0.000021	PASS
CA_7C	16QAM	21199+21001	100RB#0/100RB#0	NV	-10	1.82	0.000713	PASS
CA_7C	16QAM	21199+21001	100RB#0/100RB#0	NV	0	0.21	0.000084	PASS
CA_7C	16QAM	21199+21001	100RB#0/100RB#0	NV	10	-13.10	-0.005147	PASS
CA_7C	16QAM	21199+21001	100RB#0/100RB#0	NV	20	6.42	0.002524	PASS
CA_7C	16QAM	21199+21001	100RB#0/100RB#0	NV	30	-9.10	-0.003575	PASS
CA_7C	16QAM	21199+21001	100RB#0/100RB#0	NV	40	-14.71	-0.005780	PASS
CA_7C	16QAM	21199+21001	100RB#0/100RB#0	NV	50	-1.26	-0.000496	PASS
CA_7C	16QAM	21350+21152	100RB#0/100RB#0	NV	-30	-5.99	-0.002339	PASS
CA_7C	16QAM	21350+21152	100RB#0/100RB#0	NV	-20	9.15	0.003576	PASS
CA_7C	16QAM	21350+21152	100RB#0/100RB#0	NV	-10	-4.46	-0.001743	PASS
CA_7C	16QAM	21350+21152	100RB#0/100RB#0	NV	0	-10.59	-0.004136	PASS



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CA_7C	16QAM	21350+21152	100RB#0/100RB#0	NV	10	14.28	0.005579	PASS
CA_7C	16QAM	21350+21152	100RB#0/100RB#0	NV	20	-3.68	-0.001438	PASS
CA_7C	16QAM	21350+21152	100RB#0/100RB#0	NV	30	-5.98	-0.002337	PASS
CA_7C	16QAM	21350+21152	100RB#0/100RB#0	NV	40	-9.58	-0.003740	PASS
CA_7C	16QAM	21350+21152	100RB#0/100RB#0	NV	50	-9.90	-0.003867	PASS
CA_7C	64QAM	20850+21048	100RB#0/100RB#0	NV	-30	-8.73	-0.003484	PASS
CA_7C	64QAM	20850+21048	100RB#0/100RB#0	NV	-20	-4.35	-0.001736	PASS
CA_7C	64QAM	20850+21048	100RB#0/100RB#0	NV	-10	-2.53	-0.001011	PASS
CA_7C	64QAM	20850+21048	100RB#0/100RB#0	NV	0	-6.34	-0.002529	PASS
CA_7C	64QAM	20850+21048	100RB#0/100RB#0	NV	10	11.14	0.004445	PASS
CA_7C	64QAM	20850+21048	100RB#0/100RB#0	NV	20	8.09	0.003230	PASS
CA_7C	64QAM	20850+21048	100RB#0/100RB#0	NV	30	4.43	0.001766	PASS
CA_7C	64QAM	20850+21048	100RB#0/100RB#0	NV	40	2.23	0.000890	PASS
CA_7C	64QAM	20850+21048	100RB#0/100RB#0	NV	50	13.29	0.005304	PASS
CA_7C	64QAM	21001+21199	100RB#0/100RB#0	NV	-30	5.54	0.002193	PASS
CA_7C	64QAM	21001+21199	100RB#0/100RB#0	NV	-20	3.39	0.001342	PASS
CA_7C	64QAM	21001+21199	100RB#0/100RB#0	NV	-10	-10.82	-0.004287	PASS
CA_7C	64QAM	21001+21199	100RB#0/100RB#0	NV	0	-2.27	-0.000898	PASS
CA_7C	64QAM	21001+21199	100RB#0/100RB#0	NV	10	-3.24	-0.001284	PASS
CA_7C	64QAM	21001+21199	100RB#0/100RB#0	NV	20	-10.08	-0.003992	PASS
CA_7C	64QAM	21001+21199	100RB#0/100RB#0	NV	30	-6.25	-0.002476	PASS
CA_7C	64QAM	21001+21199	100RB#0/100RB#0	NV	40	6.98	0.002764	PASS
CA_7C	64QAM	21001+21199	100RB#0/100RB#0	NV	50	-10.98	-0.004348	PASS
CA_7C	64QAM	21152+21350	100RB#0/100RB#0	NV	-30	14.48	0.005700	PASS
CA_7C	64QAM	21152+21350	100RB#0/100RB#0	NV	-20	6.46	0.002544	PASS
CA_7C	64QAM	21152+21350	100RB#0/100RB#0	NV	-10	0.98	0.000388	PASS
CA_7C	64QAM	21152+21350	100RB#0/100RB#0	NV	0	4.26	0.001677	PASS
CA_7C	64QAM	21152+21350	100RB#0/100RB#0	NV	10	7.00	0.002756	PASS
CA_7C	64QAM	21152+21350	100RB#0/100RB#0	NV	20	-6.34	-0.002495	PASS
CA_7C	64QAM	21152+21350	100RB#0/100RB#0	NV	30	8.60	0.003385	PASS
CA_7C	64QAM	21152+21350	100RB#0/100RB#0	NV	40	7.60	0.002990	PASS
CA_7C	64QAM	21152+21350	100RB#0/100RB#0	NV	50	-1.06	-0.000417	PASS
CA_7C	64QAM	21048+20850	100RB#0/100RB#0	NV	-30	-14.14	-0.005590	PASS
CA_7C	64QAM	21048+20850	100RB#0/100RB#0	NV	-20	-10.27	-0.004059	PASS
CA_7C	64QAM	21048+20850	100RB#0/100RB#0	NV	-10	-5.13	-0.002029	PASS
CA_7C	64QAM	21048+20850	100RB#0/100RB#0	NV	0	6.68	0.002640	PASS
CA_7C	64QAM	21048+20850	100RB#0/100RB#0	NV	10	1.59	0.000628	PASS
CA_7C	64QAM	21048+20850	100RB#0/100RB#0	NV	20	-1.91	-0.000754	PASS
CA_7C	64QAM	21048+20850	100RB#0/100RB#0	NV	30	-7.93	-0.003133	PASS
CA_7C	64QAM	21048+20850	100RB#0/100RB#0	NV	40	-8.97	-0.003545	PASS
CA_7C	64QAM	21048+20850	100RB#0/100RB#0	NV	50	13.71	0.005418	PASS
CA_7C	64QAM	21199+21001	100RB#0/100RB#0	NV	-30	-1.77	-0.000694	PASS
CA_7C	64QAM	21199+21001	100RB#0/100RB#0	NV	-20	7.23	0.002839	PASS
CA_7C	64QAM	21199+21001	100RB#0/100RB#0	NV	-10	-1.64	-0.000645	PASS



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CA_7C	64QAM	21199+21001	100RB#0/100RB#0	NV	0	-5.83	-0.002290	PASS
CA_7C	64QAM	21199+21001	100RB#0/100RB#0	NV	10	-7.21	-0.002834	PASS
CA_7C	64QAM	21199+21001	100RB#0/100RB#0	NV	20	2.01	0.000790	PASS
CA_7C	64QAM	21199+21001	100RB#0/100RB#0	NV	30	-12.80	-0.005028	PASS
CA_7C	64QAM	21199+21001	100RB#0/100RB#0	NV	40	10.79	0.004239	PASS
CA_7C	64QAM	21199+21001	100RB#0/100RB#0	NV	50	5.26	0.002067	PASS
CA_7C	64QAM	21350+21152	100RB#0/100RB#0	NV	-30	-14.22	-0.005555	PASS
CA_7C	64QAM	21350+21152	100RB#0/100RB#0	NV	-20	3.81	0.001489	PASS
CA_7C	64QAM	21350+21152	100RB#0/100RB#0	NV	-10	5.01	0.001958	PASS
CA_7C	64QAM	21350+21152	100RB#0/100RB#0	NV	0	-9.89	-0.003862	PASS
CA_7C	64QAM	21350+21152	100RB#0/100RB#0	NV	10	-12.57	-0.004910	PASS
CA_7C	64QAM	21350+21152	100RB#0/100RB#0	NV	20	-7.88	-0.003080	PASS
CA_7C	64QAM	21350+21152	100RB#0/100RB#0	NV	30	2.74	0.001069	PASS
CA_7C	64QAM	21350+21152	100RB#0/100RB#0	NV	40	9.31	0.003636	PASS
CA_7C	64QAM	21350+21152	100RB#0/100RB#0	NV	50	13.39	0.005232	PASS

The End



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