



# Appendix B

## E-UTRA Band CA\_7C



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# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1. Max Power Test Result for LTE Band CA\_7C

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	QPSK	22.76	23.96	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	QPSK	22.98	24.18	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	QPSK	22.98	24.18	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	QPSK	22.91	24.11	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	QPSK	22.87	24.07	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	QPSK	22.92	24.12	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	QPSK	22.89	24.09	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	QPSK	22.54	23.74	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	QPSK	22.81	24.01	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	QPSK	22.50	23.7	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	QPSK	22.84	24.04	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	QPSK	22.59	23.79	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	QPSK	22.74	23.94	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	QPSK	22.94	24.14	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	QPSK	22.89	24.09	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	QPSK	22.80	24	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	QPSK	22.62	23.82	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	QPSK	22.79	23.99	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	QPSK	22.51	23.71	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	QPSK	22.98	24.18	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	QPSK	22.63	23.83	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	QPSK	22.88	24.08	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	QPSK	22.53	23.73	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	QPSK	22.72	23.92	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	QPSK	22.63	23.83	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	QPSK	22.78	23.98	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	QPSK	22.55	23.75	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	QPSK	23.00	24.2	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	QPSK	22.69	23.89	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	QPSK	22.93	24.13	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	QPSK	22.66	23.86	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	QPSK	22.93	24.13	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	QPSK	22.58	23.78	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	16QAM	21.92	23.12	33.00	PASS



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CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	16QAM	21.74	22.94	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	16QAM	21.87	23.07	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	16QAM	21.84	23.04	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	16QAM	22.00	23.2	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	16QAM	21.89	23.09	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	16QAM	21.95	23.15	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	16QAM	21.53	22.73	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	16QAM	21.96	23.16	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	16QAM	21.42	22.62	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	16QAM	21.78	22.98	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	16QAM	21.56	22.76	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	16QAM	21.78	22.98	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	16QAM	21.82	23.02	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	16QAM	21.78	22.98	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	16QAM	21.76	22.96	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	16QAM	21.69	22.89	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	16QAM	22.00	23.2	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	16QAM	21.41	22.61	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	16QAM	21.73	22.93	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	16QAM	21.58	22.78	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	16QAM	21.84	23.04	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	16QAM	21.59	22.79	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	16QAM	21.86	23.06	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	16QAM	21.64	22.84	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	16QAM	21.68	22.88	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	16QAM	21.47	22.67	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	16QAM	21.98	23.18	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	16QAM	21.52	22.72	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	16QAM	21.74	22.94	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	16QAM	21.61	22.81	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	16QAM	21.74	22.94	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	16QAM	21.40	22.6	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	64QAM	20.87	22.07	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	64QAM	20.71	21.91	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	64QAM	20.82	22.02	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	64QAM	20.80	22	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	64QAM	20.86	22.06	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	64QAM	20.71	21.91	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	64QAM	20.76	21.96	33.00	PASS



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CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	64QAM	20.43	21.63	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	64QAM	20.80	22	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	64QAM	20.45	21.65	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	64QAM	20.95	22.15	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	64QAM	20.43	21.63	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	64QAM	20.70	21.9	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	64QAM	20.88	22.08	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	64QAM	20.99	22.19	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	64QAM	20.84	22.04	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	64QAM	20.38	21.58	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	64QAM	20.99	22.19	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	64QAM	20.55	21.75	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	64QAM	20.82	22.02	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	64QAM	20.61	21.81	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	64QAM	20.67	21.87	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	64QAM	20.63	21.83	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	64QAM	20.79	21.99	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	64QAM	20.57	21.77	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	64QAM	20.83	22.03	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	64QAM	20.43	21.63	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	64QAM	20.90	22.1	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	64QAM	20.69	21.89	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	64QAM	20.94	22.14	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	64QAM	20.48	21.68	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	64QAM	20.93	22.13	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	64QAM	20.37	21.57	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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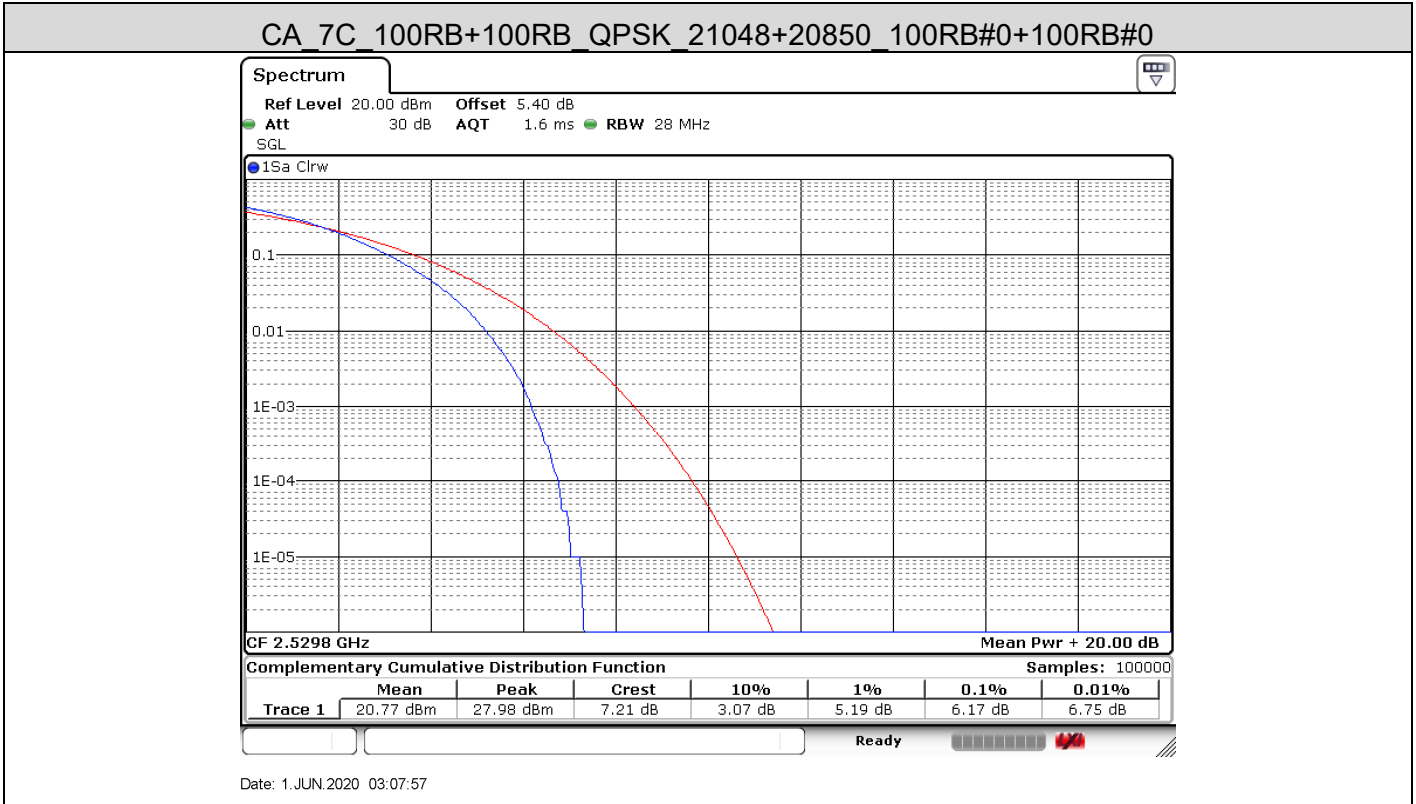
## 2. Peak-to-Average Ratio

### Part I - Test Results

Test Band	Modulation	Test Mode	Test Channel	PCC RB Config	SCC RB Config	Measured [dB]	Limit [dB]	Verdict
CA_7C	QPSK	100RB+100RB	21048+20850	100RB#0	100RB#0	6.17	13.00	PASS
CA_7C	QPSK	100RB+100RB	21199+21001	100RB#0	100RB#0	5.57	13.00	PASS
CA_7C	QPSK	100RB+100RB	21350+21152	100RB#0	100RB#0	6.00	13.00	PASS
CA_7C	16QAM	100RB+100RB	21048+20850	100RB#0	100RB#0	5.83	13.00	PASS
CA_7C	16QAM	100RB+100RB	21199+21001	100RB#0	100RB#0	5.68	13.00	PASS
CA_7C	16QAM	100RB+100RB	21350+21152	100RB#0	100RB#0	5.59	13.00	PASS
CA_7C	64QAM	100RB+100RB	21048+20850	100RB#0	100RB#0	5.94	13.00	PASS
CA_7C	64QAM	100RB+100RB	21199+21001	100RB#0	100RB#0	6.17	13.00	PASS
CA_7C	64QAM	100RB+100RB	21350+21152	100RB#0	100RB#0	5.62	13.00	PASS

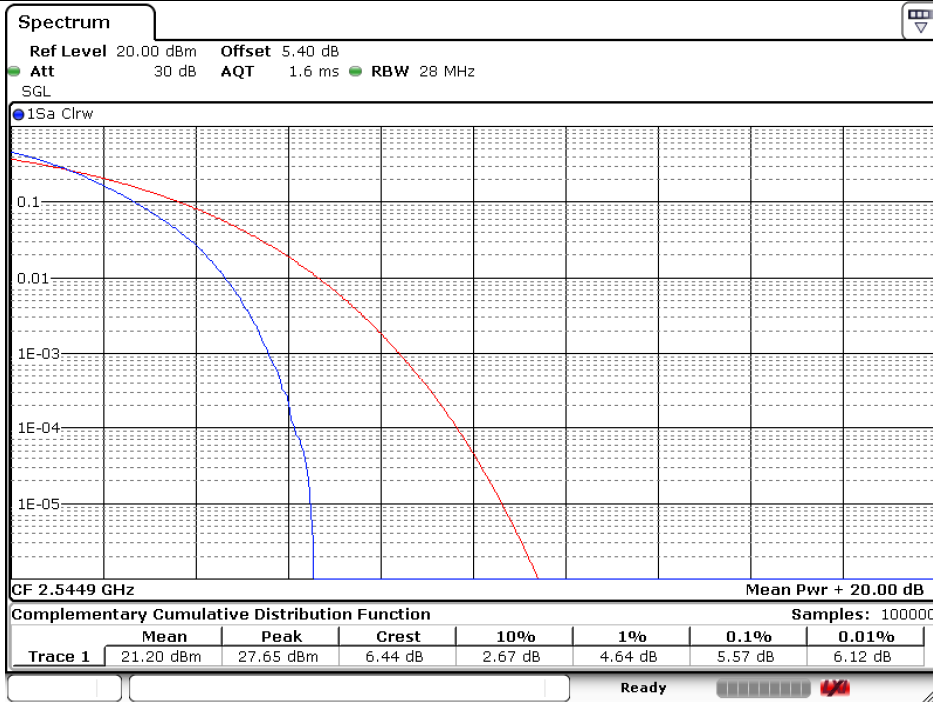
### 2.1. For LTE

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



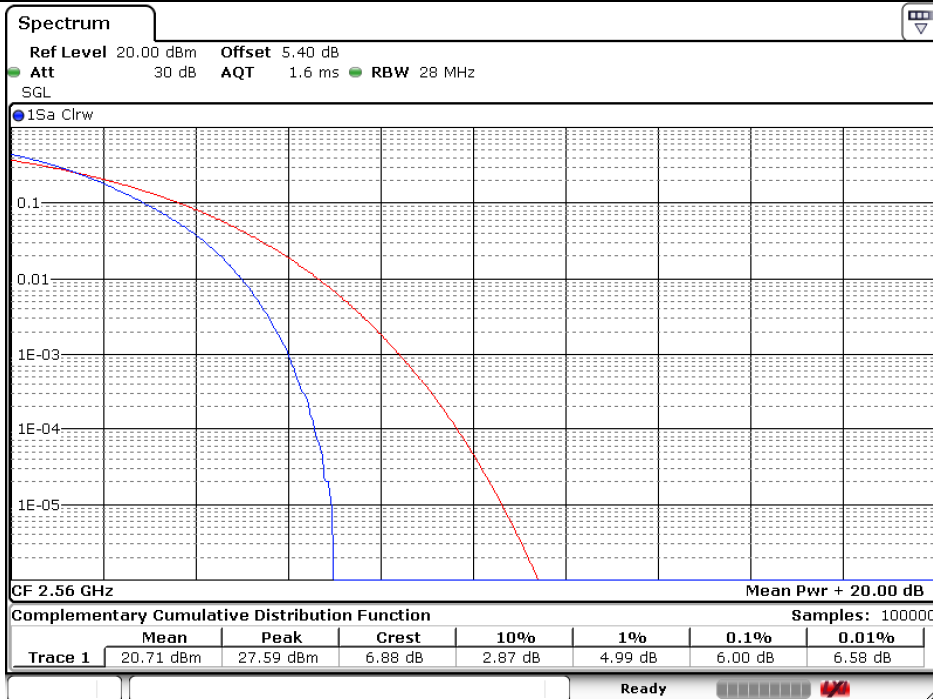


CA 7C 100RB+100RB QPSK 21199+21001 100RB#0+100RB#0



Date: 1.JUN.2020 03:22:02

CA 7C 100RB+100RB QPSK 21350+21152 100RB#0+100RB#0

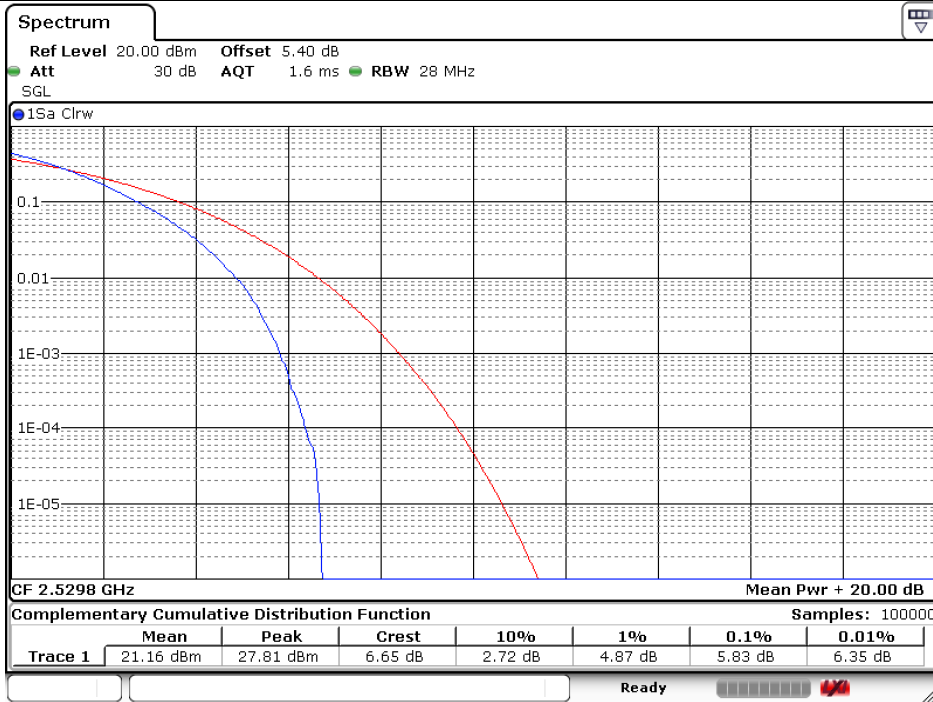


Date: 1.JUN.2020 03:30:40



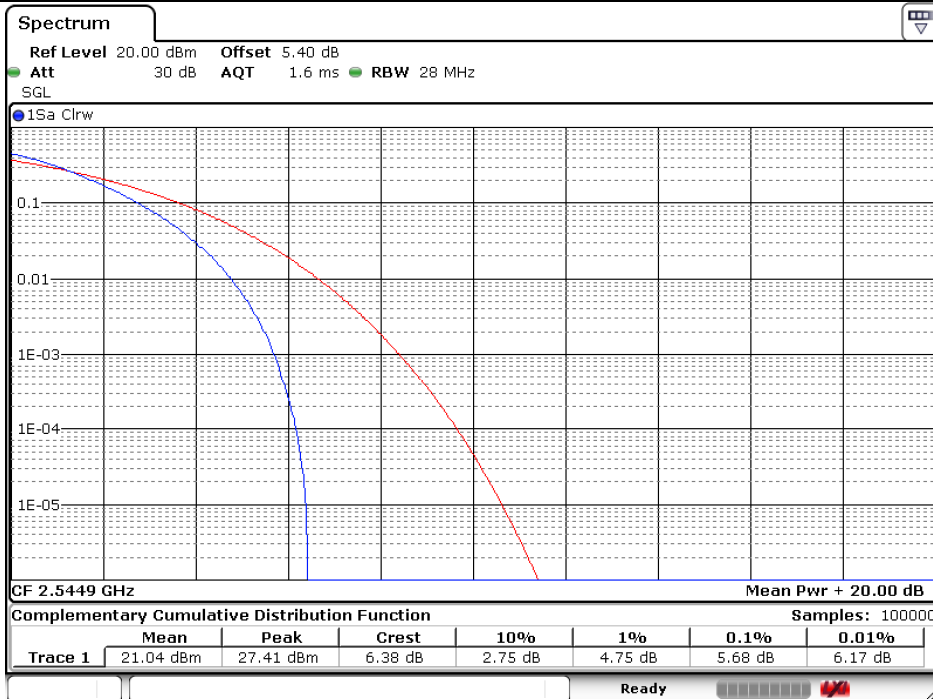


**CA 7C 100RB+100RB 16QAM 21048+20850 100RB#0+100RB#0**



Date: 1.JUN.2020 03:09:04

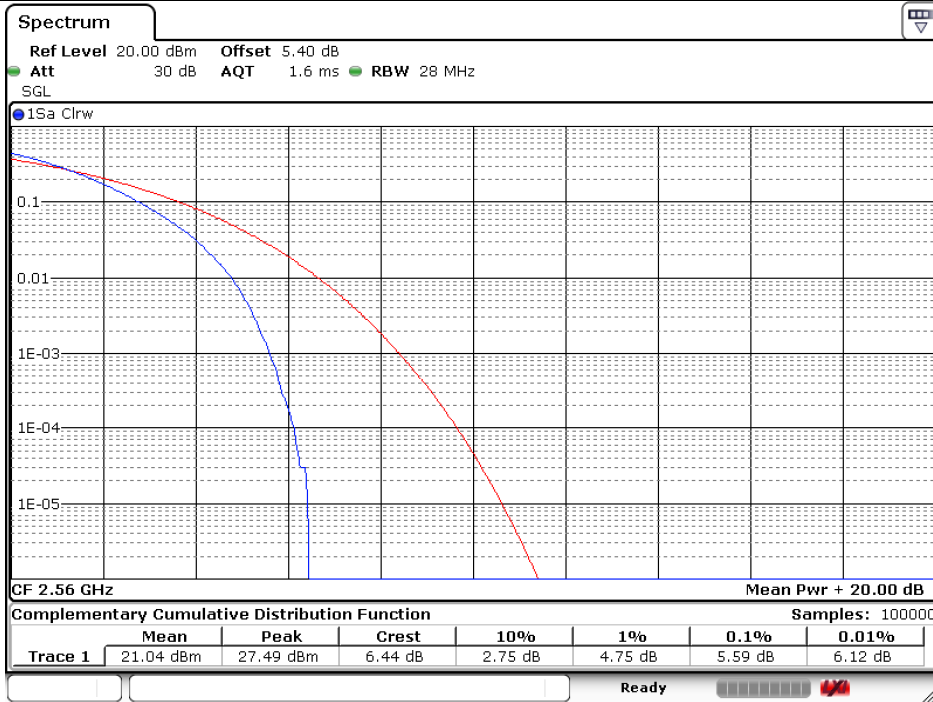
**CA 7C 100RB+100RB 16QAM 21199+21001 100RB#0+100RB#0**



Date: 1.JUN.2020 03:22:58



**CA 7C 100RB+100RB 16QAM 21350+21152 100RB#0+100RB#0**



Date: 1.JUN.2020 03:30:27

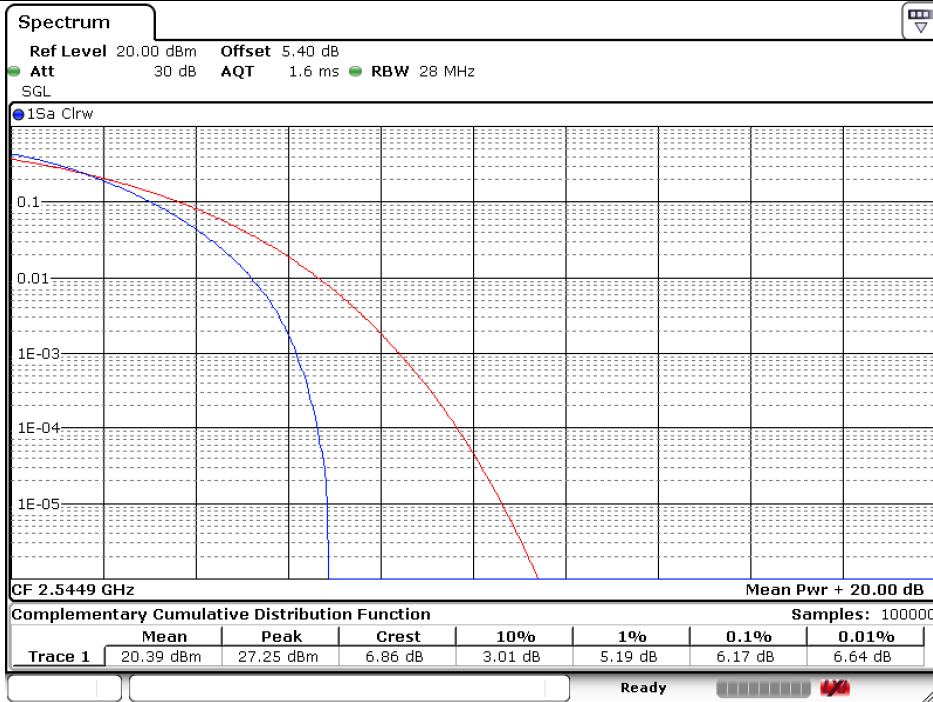
**CA 7C 100RB+100RB 64QAM 21048+20850 100RB#0+100RB#0**



Date: 1.JUN.2020 03:09:18

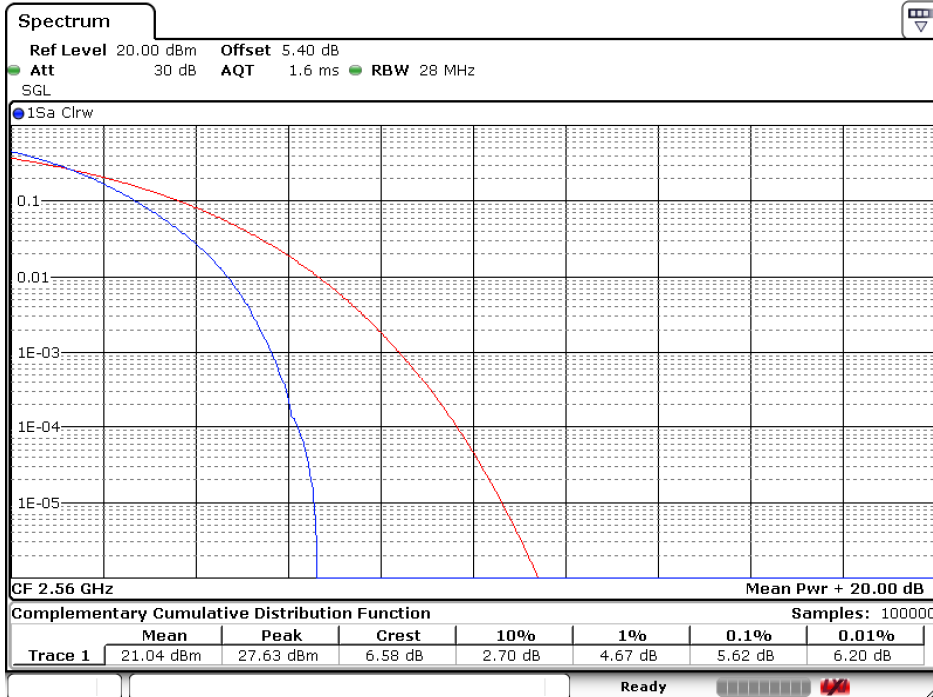


**CA 7C 100RB+100RB 64QAM 21199+21001 100RB#0+100RB#0**



Date: 1.JUN.2020 03:23:10

**CA 7C 100RB+100RB 64QAM 21350+21152 100RB#0+100RB#0**



Date: 1.JUN.2020 03:29:53



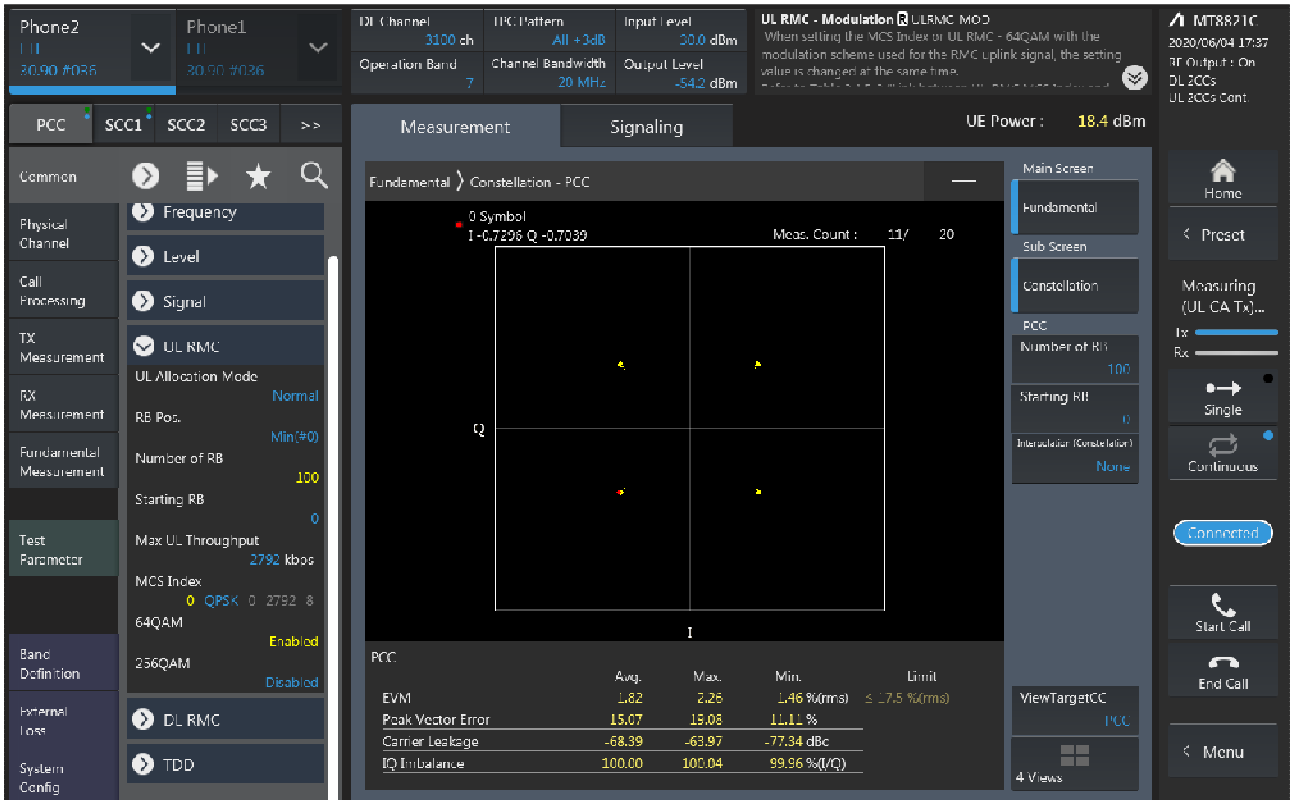
### 3. Modulation Characteristics

#### 3.1. For LTE

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

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

##### 1.1.2.1.1 Test Channel = 20850+20994

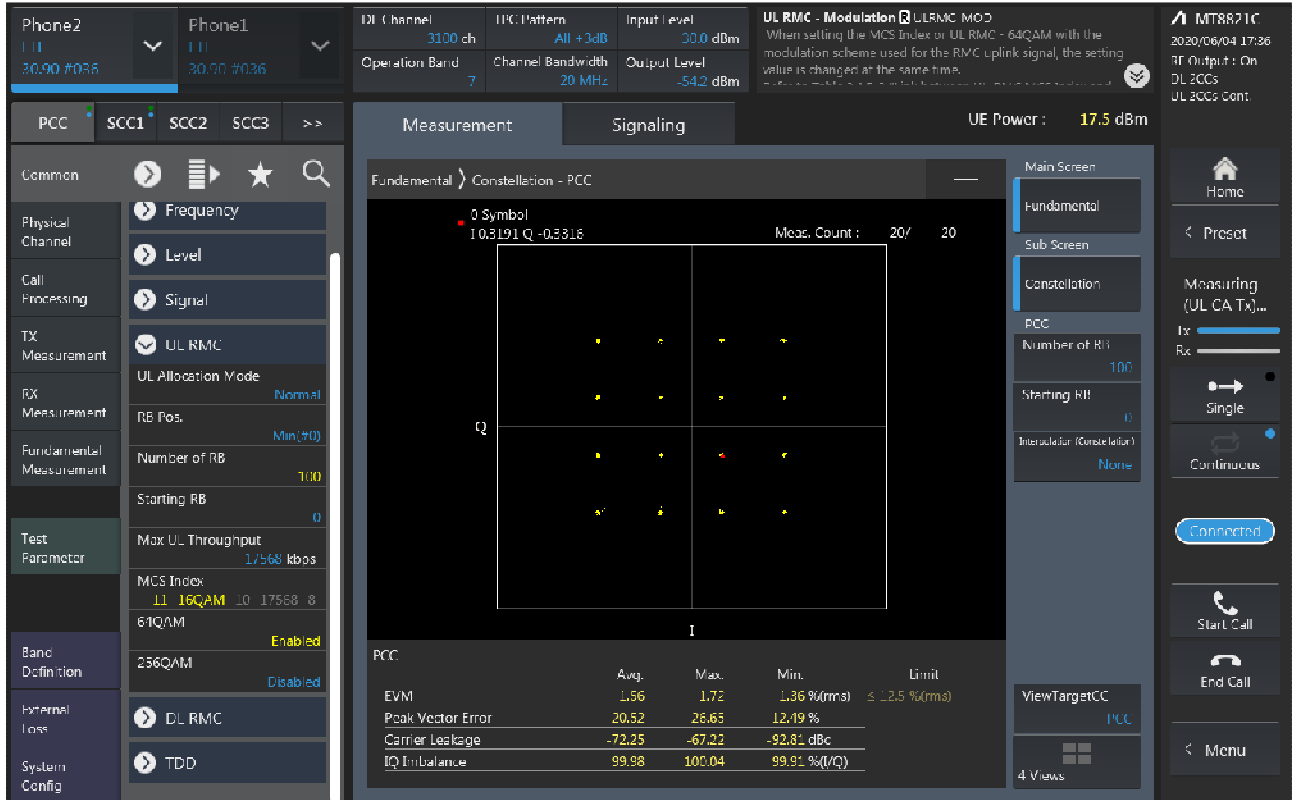






1.1.2.2 Test Mode = LTE /16QAM 100RB+100RB

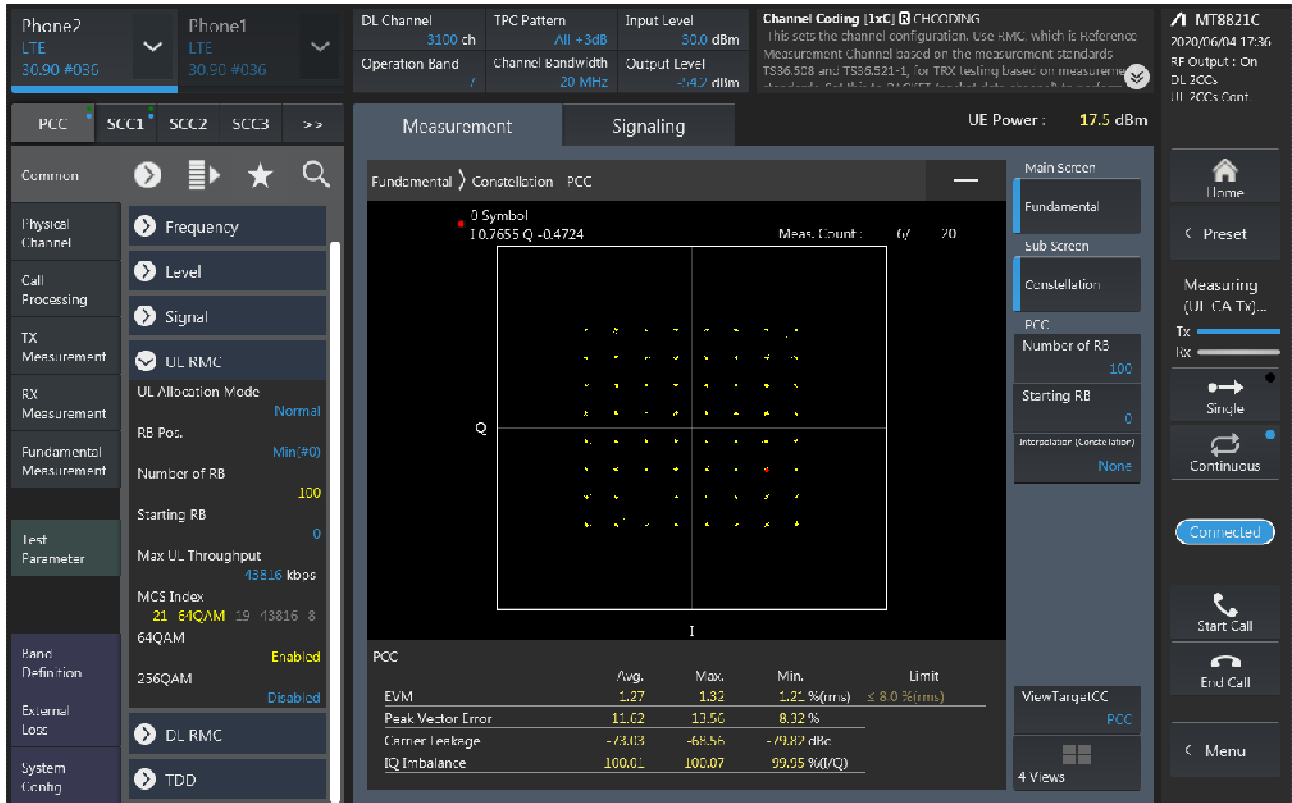
1.1.2.2.1 Test Channel =20850+20994





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

1.1.2.3.1 Test Channel = 20850+20994



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#### 4. 26dB Bandwidth and Occupied Bandwidth

Test Band	Test Mode PCC/SCC	Modulation PCC&SCC	Test Channel PCC/SCC	RB Config	OBW [MHz]	EBW [MHz]	Verdict
CA_7C	50RB+100RB	QPSK	20805+20949	50RB#0+100RB#0	27.62	28.55	PASS
CA_7C	50RB+100RB	16QAM	20805+20949	50RB#0+100RB#0	27.62	28.57	PASS
CA_7C	50RB+100RB	64QAM	20805+20949	50RB#0+100RB#0	27.67	28.58	PASS
CA_7C	50RB+100RB	QPSK	21006+21150	50RB#0+100RB#0	27.49	28.57	PASS
CA_7C	50RB+100RB	16QAM	21006+21150	50RB#0+100RB#0	27.5	28.54	PASS
CA_7C	50RB+100RB	64QAM	21006+21150	50RB#0+100RB#0	27.49	28.60	PASS
CA_7C	50RB+100RB	QPSK	21206+21350	50RB#0+100RB#0	27.55	28.60	PASS
CA_7C	50RB+100RB	16QAM	21206+21350	50RB#0+100RB#0	27.56	28.57	PASS
CA_7C	50RB+100RB	64QAM	21206+21350	50RB#0+100RB#0	27.58	28.61	PASS
CA_7C	75RB+50RB	QPSK	20825+20945	75RB#0+50RB#0	23.18	24.42	PASS
CA_7C	75RB+50RB	16QAM	20825+20945	75RB#0+50RB#0	23.14	24.41	PASS
CA_7C	75RB+50RB	64QAM	20825+20945	75RB#0+50RB#0	23.13	24.38	PASS
CA_7C	75RB+50RB	QPSK	21051+21171	75RB#0+50RB#0	23.09	24.35	PASS
CA_7C	75RB+50RB	16QAM	21051+21171	75RB#0+50RB#0	23.07	24.38	PASS
CA_7C	75RB+50RB	64QAM	21051+21171	75RB#0+50RB#0	23.07	24.37	PASS
CA_7C	75RB+50RB	QPSK	21277+21397	75RB#0+50RB#0	23.15	24.39	PASS
CA_7C	75RB+50RB	16QAM	21277+21397	75RB#0+50RB#0	23.15	24.43	PASS
CA_7C	75RB+50RB	64QAM	21277+21397	75RB#0+50RB#0	23.14	24.46	PASS
CA_7C	75RB+75RB	QPSK	20825+20975	75RB#0+75RB#0	28.25	29.23	PASS
CA_7C	75RB+75RB	16QAM	20825+20975	75RB#0+75RB#0	28.25	29.23	PASS
CA_7C	75RB+75RB	64QAM	20825+20975	75RB#0+75RB#0	28.24	29.21	PASS
CA_7C	75RB+75RB	QPSK	21025+21175	75RB#0+75RB#0	28.16	29.20	PASS
CA_7C	75RB+75RB	16QAM	21025+21175	75RB#0+75RB#0	28.18	29.18	PASS
CA_7C	75RB+75RB	64QAM	21025+21175	75RB#0+75RB#0	28.16	29.18	PASS
CA_7C	75RB+75RB	QPSK	21225+21375	75RB#0+75RB#0	28.25	29.27	PASS
CA_7C	75RB+75RB	16QAM	21225+21375	75RB#0+75RB#0	28.25	29.24	PASS
CA_7C	75RB+75RB	64QAM	21225+21375	75RB#0+75RB#0	28.24	29.23	PASS
CA_7C	75RB+100RB	QPSK	20828+20999	75RB#0+100RB#0	32.61	33.97	PASS
CA_7C	75RB+100RB	16QAM	20828+20999	75RB#0+100RB#0	32.61	33.97	PASS
CA_7C	75RB+100RB	64QAM	20828+20999	75RB#0+100RB#0	32.59	33.93	PASS
CA_7C	75RB+100RB	QPSK	21003+21174	75RB#0+100RB#0	32.11	33.77	PASS
CA_7C	75RB+100RB	16QAM	21003+21174	75RB#0+100RB#0	32.17	33.81	PASS
CA_7C	75RB+100RB	64QAM	21003+21174	75RB#0+100RB#0	32.55	33.79	PASS



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CA_7C	75RB+100RB	QPSK	21179+21350	75RB#0+100RB#0	32.49	33.95	PASS
CA_7C	75RB+100RB	16QAM	21179+21350	75RB#0+100RB#0	32.53	33.97	PASS
CA_7C	75RB+100RB	64QAM	21179+21350	75RB#0+100RB#0	32.51	33.97	PASS
CA_7C	100RB+50RB	QPSK	20850+20994	100RB#0+50RB#0	27.76	29.15	PASS
CA_7C	100RB+50RB	16QAM	20850+20994	100RB#0+50RB#0	27.73	29.12	PASS
CA_7C	100RB+50RB	64QAM	20850+20994	100RB#0+50RB#0	27.73	29.12	PASS
CA_7C	100RB+50RB	QPSK	21051+21195	100RB#0+50RB#0	27.7	29.11	PASS
CA_7C	100RB+50RB	16QAM	21051+21195	100RB#0+50RB#0	27.53	29.03	PASS
CA_7C	100RB+50RB	64QAM	21051+21195	100RB#0+50RB#0	27.71	29.06	PASS
CA_7C	100RB+50RB	QPSK	21251+21395	100RB#0+50RB#0	27.82	29.12	PASS
CA_7C	100RB+50RB	16QAM	21251+21395	100RB#0+50RB#0	27.79	29.12	PASS
CA_7C	100RB+50RB	64QAM	21251+21395	100RB#0+50RB#0	27.82	29.06	PASS
CA_7C	100RB+75RB	QPSK	20850+21021	100RB#0+75RB#0	32.63	34.01	PASS
CA_7C	100RB+75RB	16QAM	20850+21021	100RB#0+75RB#0	32.65	34.03	PASS
CA_7C	100RB+75RB	64QAM	20850+21021	100RB#0+75RB#0	32.61	33.99	PASS
CA_7C	100RB+75RB	QPSK	21026+21197	100RB#0+75RB#0	32.59	33.99	PASS
CA_7C	100RB+75RB	16QAM	21026+21197	100RB#0+75RB#0	32.61	34.03	PASS
CA_7C	100RB+75RB	64QAM	21026+21197	100RB#0+75RB#0	32.59	33.97	PASS
CA_7C	100RB+75RB	QPSK	21201+21372	100RB#0+75RB#0	32.59	34.03	PASS
CA_7C	100RB+75RB	16QAM	21201+21372	100RB#0+75RB#0	32.63	34.01	PASS
CA_7C	100RB+75RB	64QAM	21201+21372	100RB#0+75RB#0	32.59	33.99	PASS
CA_7C	100RB+100RB	QPSK	20850+21048	100RB#0+100RB#0	37.45	38.95	PASS
CA_7C	100RB+100RB	16QAM	20850+21048	100RB#0+100RB#0	37.47	38.91	PASS
CA_7C	100RB+100RB	64QAM	20850+21048	100RB#0+100RB#0	37.43	38.91	PASS
CA_7C	100RB+100RB	QPSK	21001+21199	100RB#0+100RB#0	37.35	38.83	PASS
CA_7C	100RB+100RB	16QAM	21001+21199	100RB#0+100RB#0	36.99	38.87	PASS
CA_7C	100RB+100RB	64QAM	21001+21199	100RB#0+100RB#0	37.19	38.79	PASS
CA_7C	100RB+100RB	QPSK	21152+21350	100RB#0+100RB#0	37.49	38.87	PASS
CA_7C	100RB+100RB	16QAM	21152+21350	100RB#0+100RB#0	37.47	38.85	PASS
CA_7C	100RB+100RB	64QAM	21152+21350	100RB#0+100RB#0	37.47	38.87	PASS



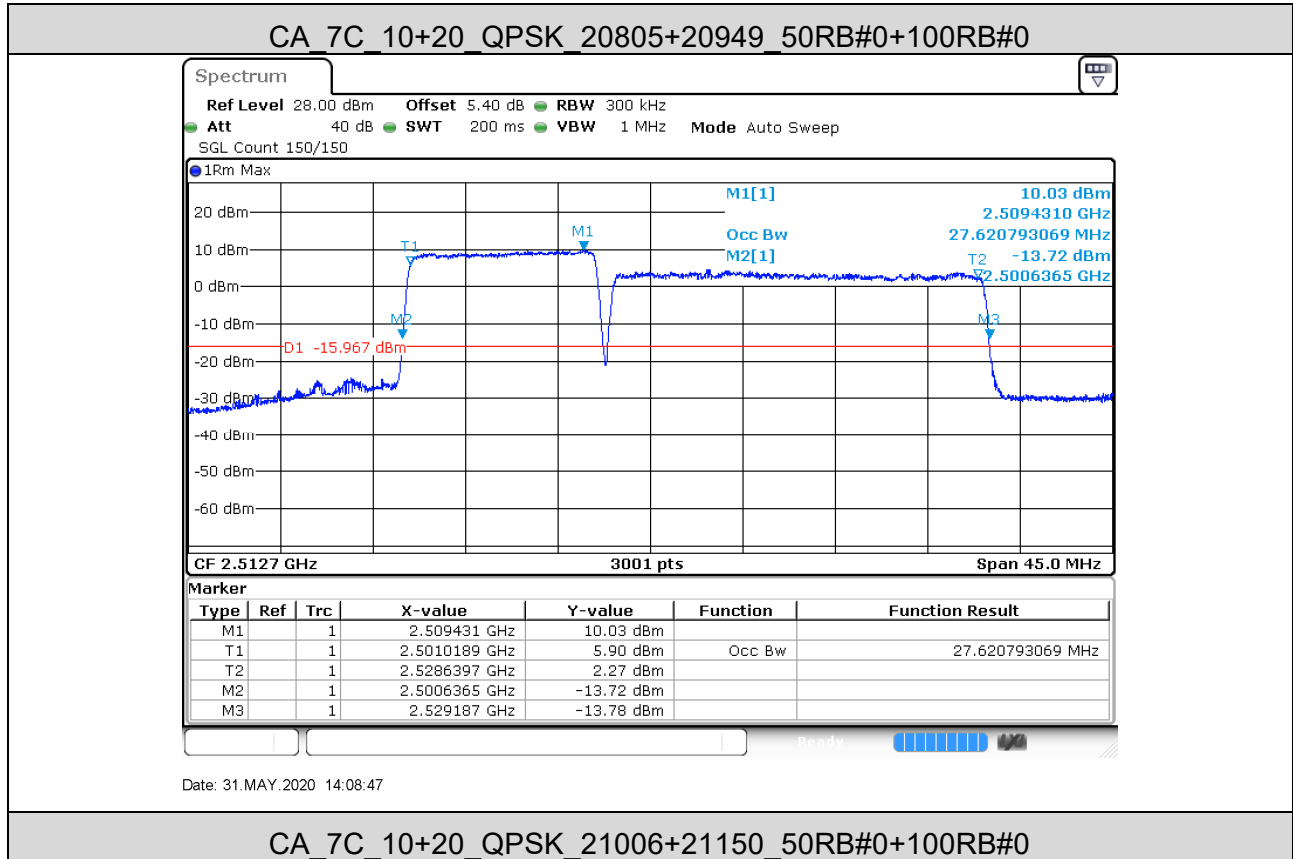
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### 4.1. For LTE

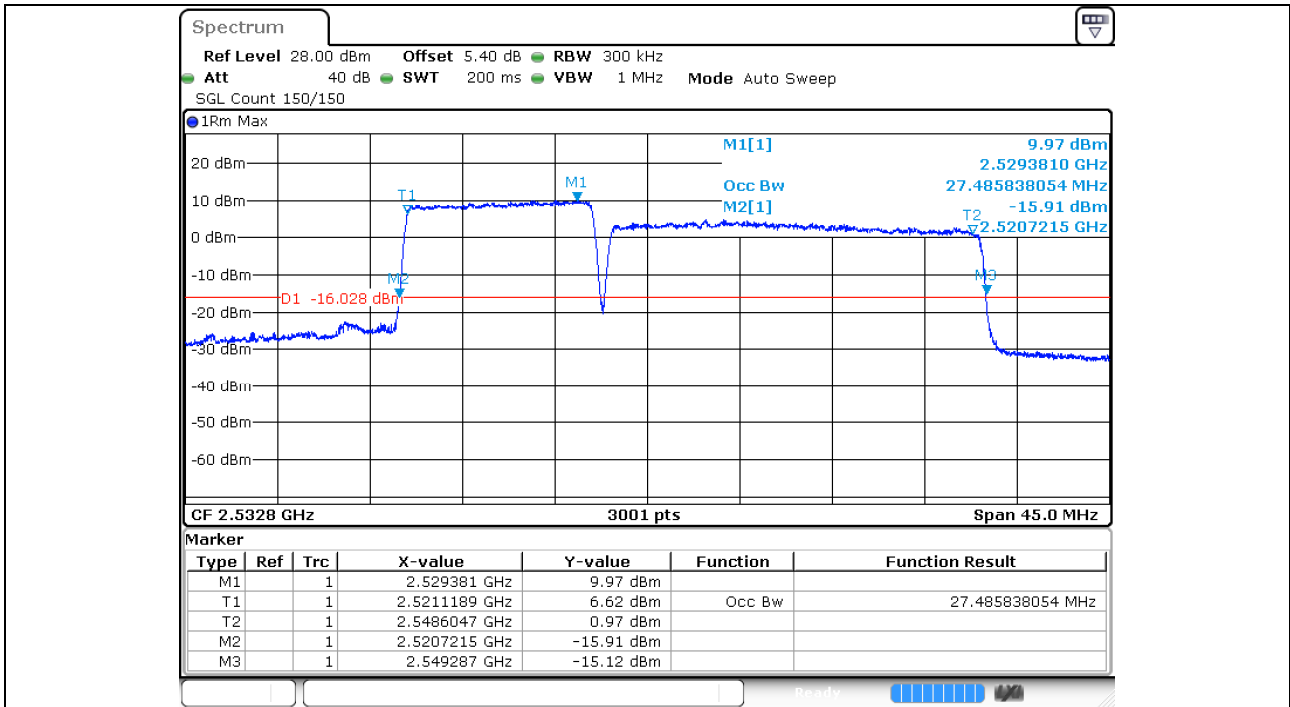
#### 1.1.3 Test Band = LTE Band CA\_7C



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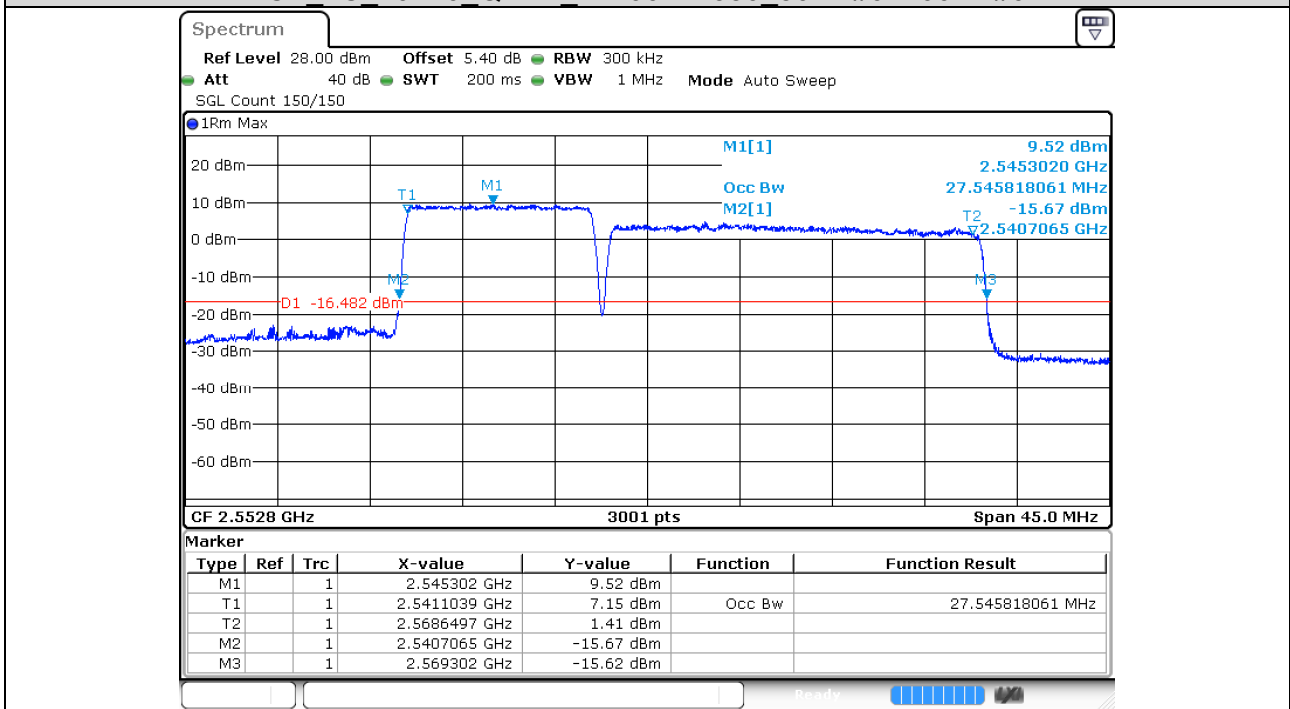
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Date: 31.MAY.2020 14:12:14

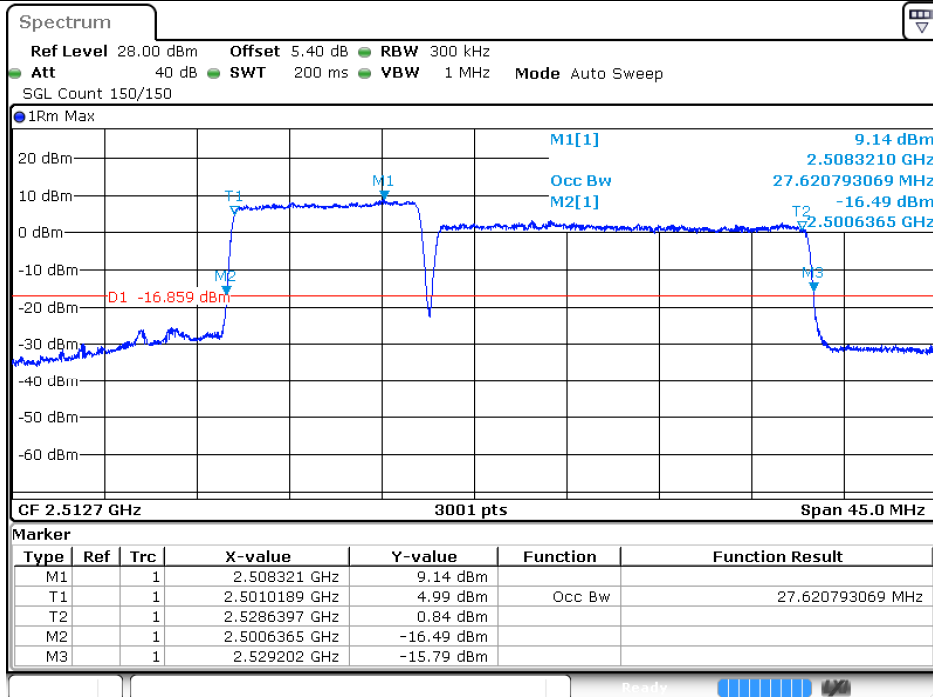
CA 7C 10+20 QPSK 21206+21350 50RB#0+100RB#0



Date: 31.MAY.2020 14:17:32

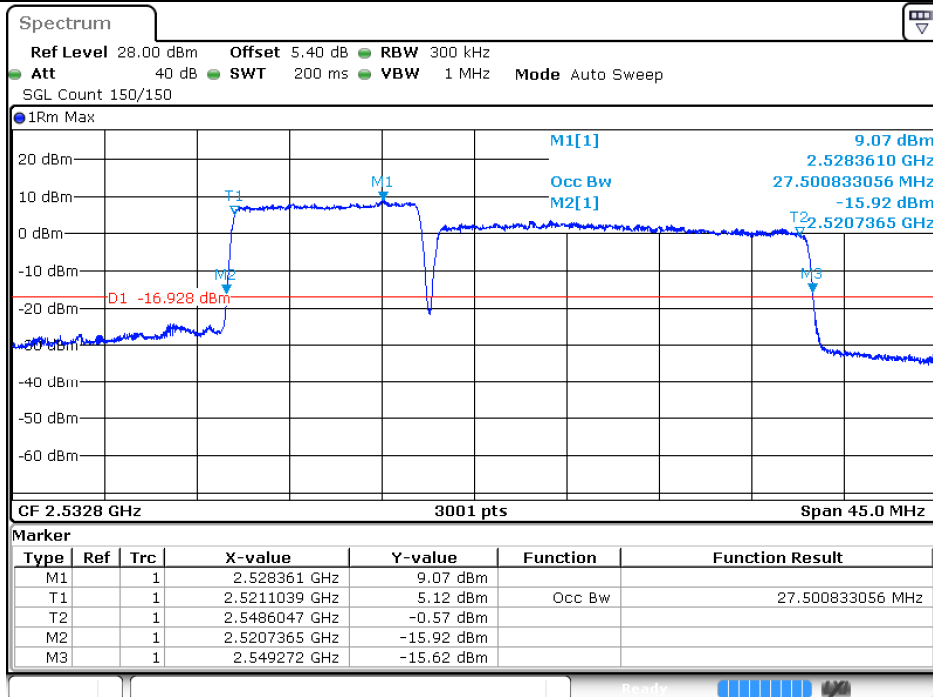


**CA 7C 10+20 16QAM 20805+20949 50RB#0+100RB#0**



Date: 31.MAY.2020 14:09:24

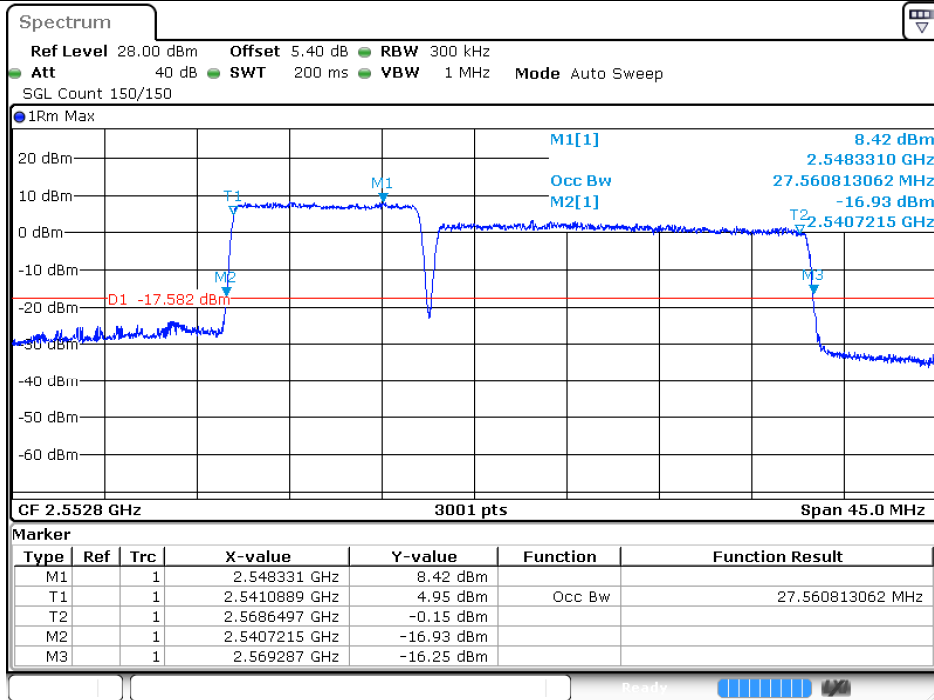
**CA 7C 10+20 16QAM 21006+21150 50RB#0+100RB#0**



Date: 31.MAY.2020 14:12:52

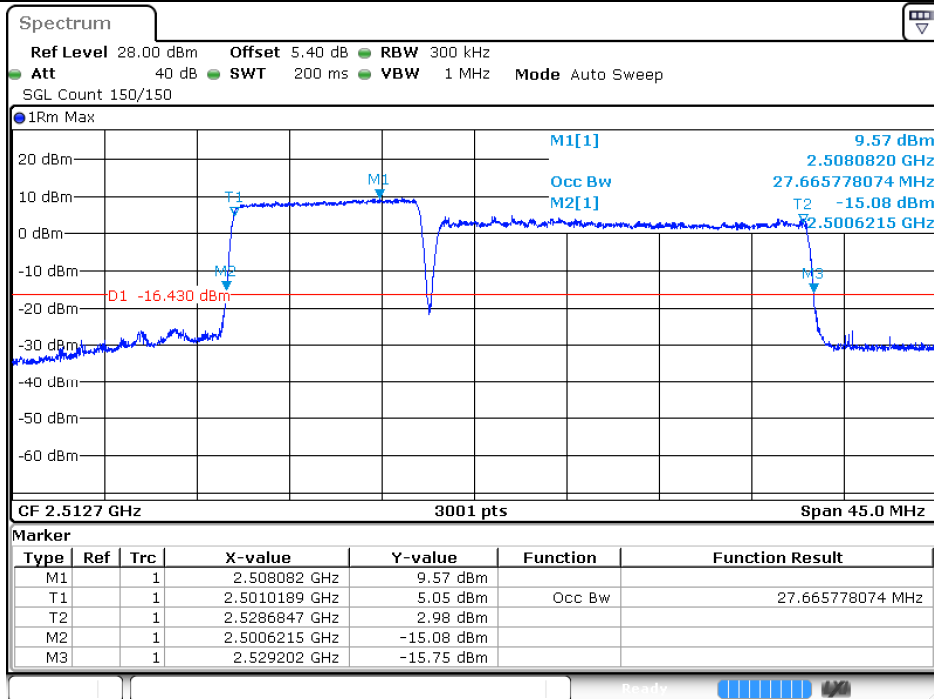


**CA 7C 10+20 16QAM 21206+21350 50RB#0+100RB#0**



Date: 31.MAY.2020 14:18:10

**CA 7C 10+20 64QAM 20805+20949 50RB#0+100RB#0**

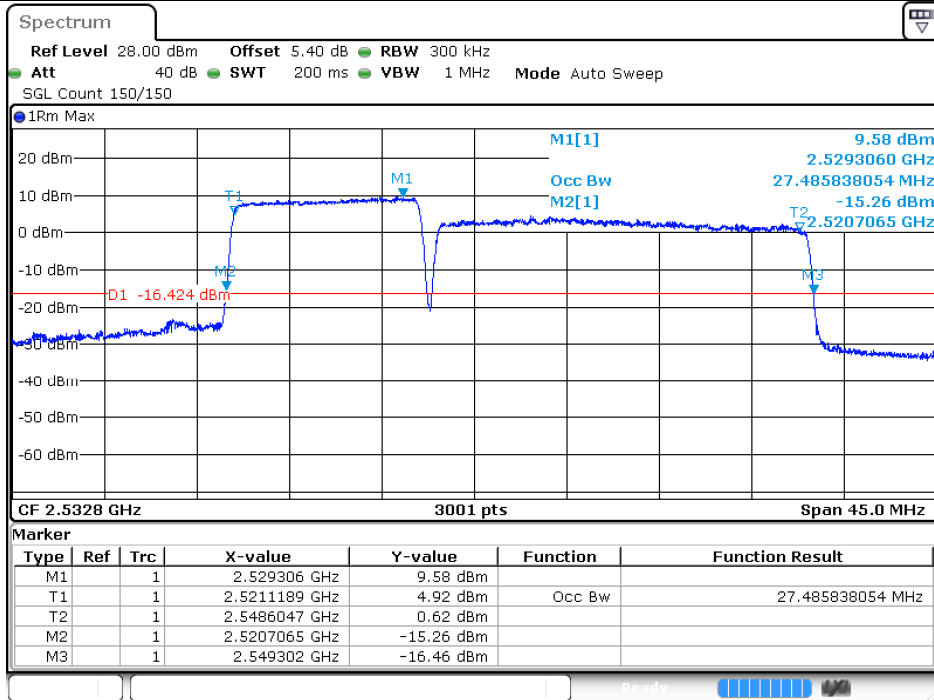


Date: 31.MAY.2020 14:10:03



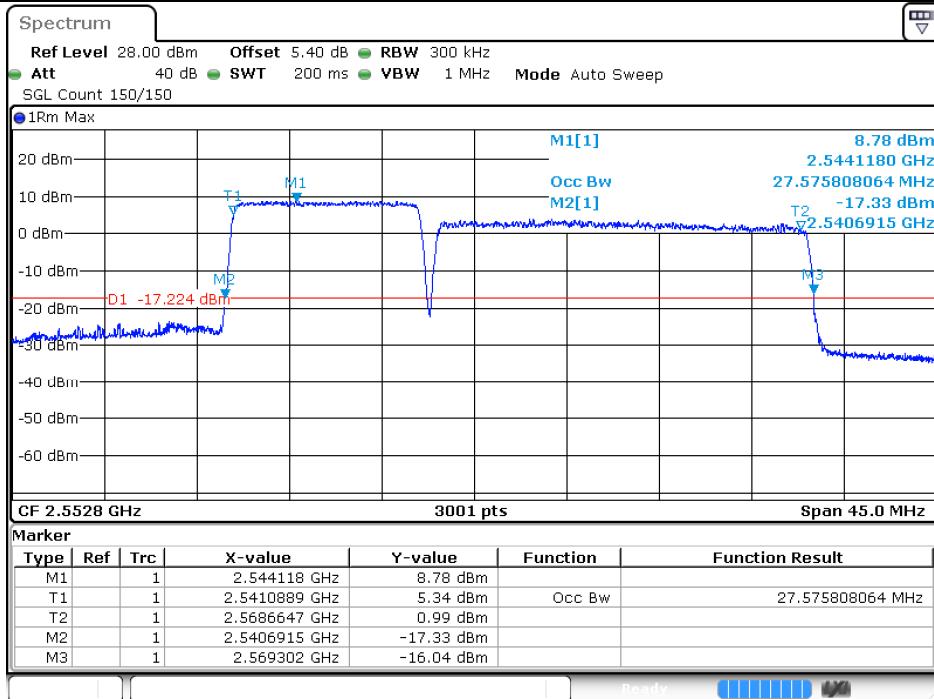


CA 7C 10+20 64QAM 21006+21150 50RB#0+100RB#0



Date: 31.MAY.2020 14:13:29

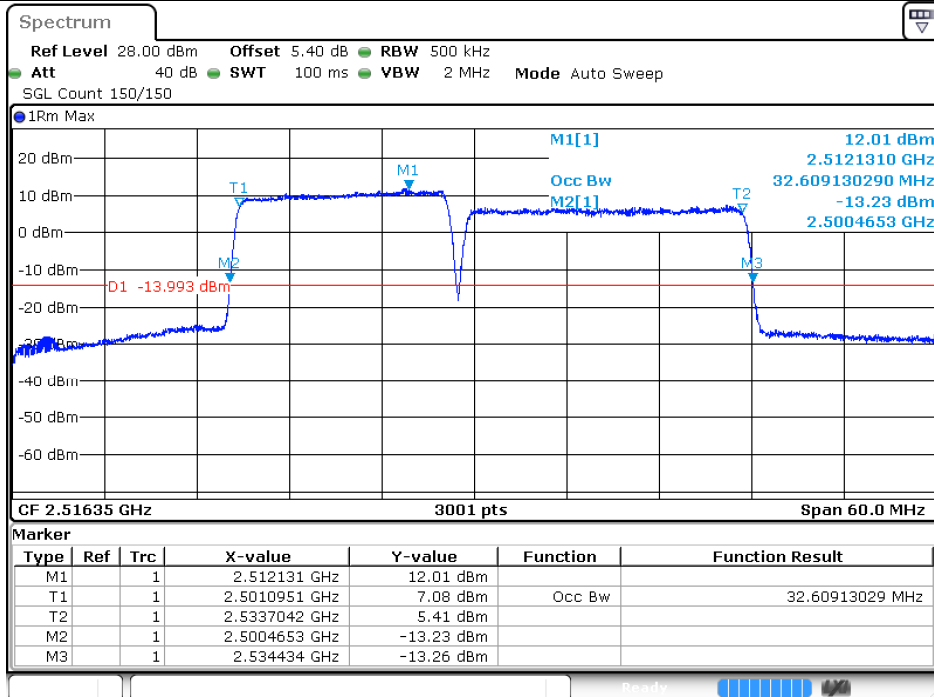
CA 7C 10+20 64QAM 21206+21350 50RB#0+100RB#0



Date: 31.MAY.2020 14:18:48

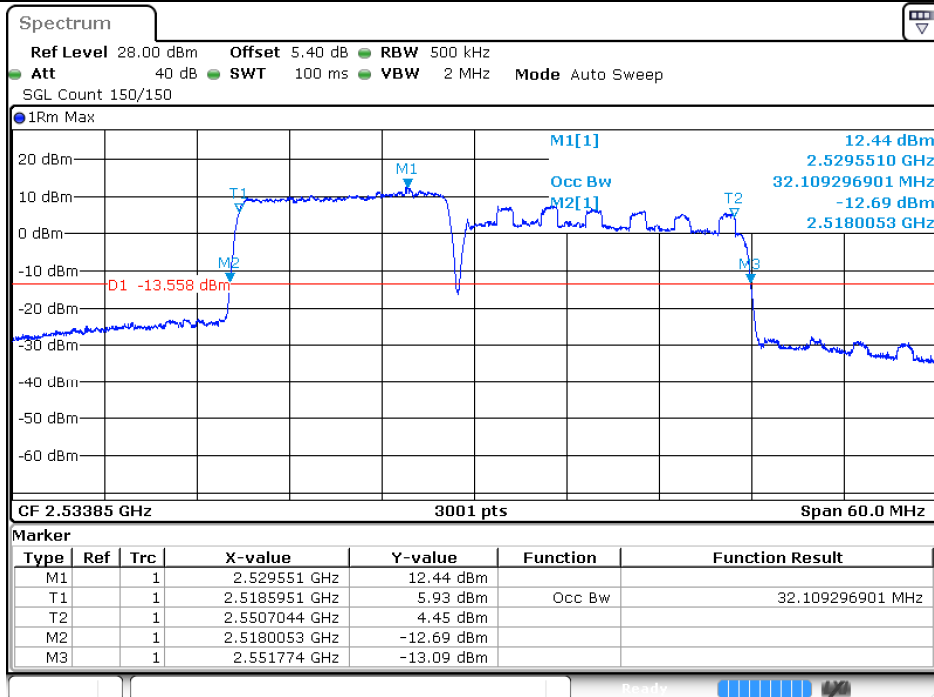


**CA 7C 15+10 QPSK 20825+20945 75RB#0+50RB#0**



Date: 31.MAY.2020 14:41:49

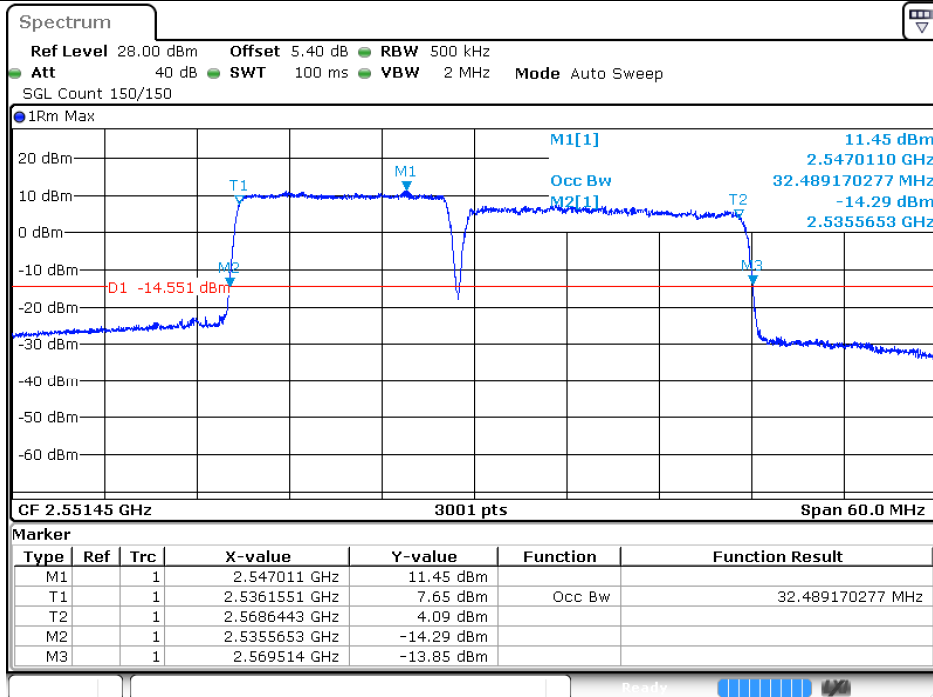
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Date: 31.MAY.2020 14:44:25

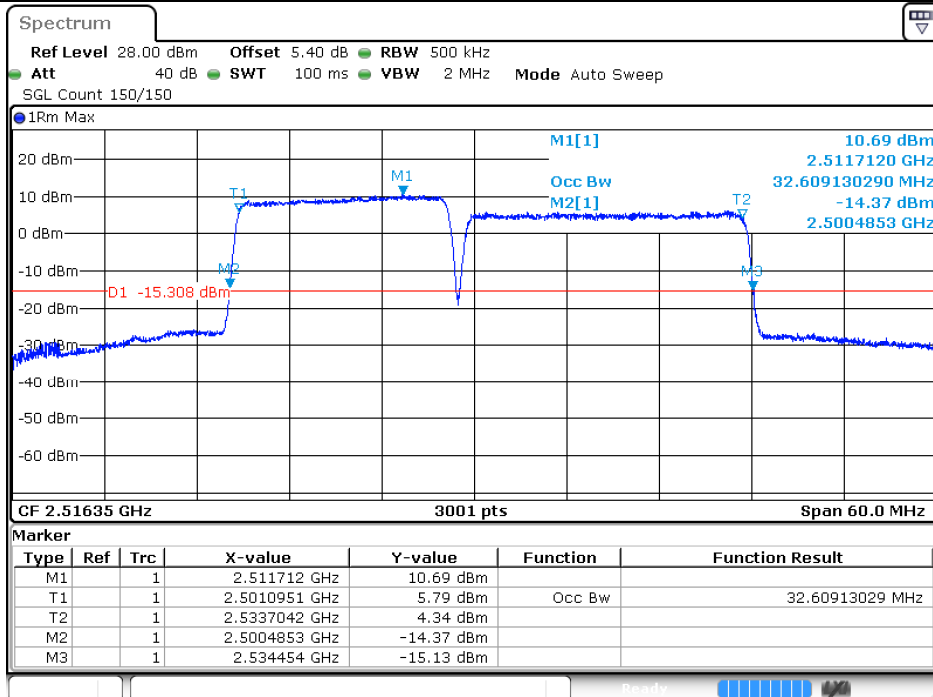


**CA 7C 15+10 QPSK 21277+21397 75RB#0+50RB#0**



Date: 31.MAY.2020 14:47:00

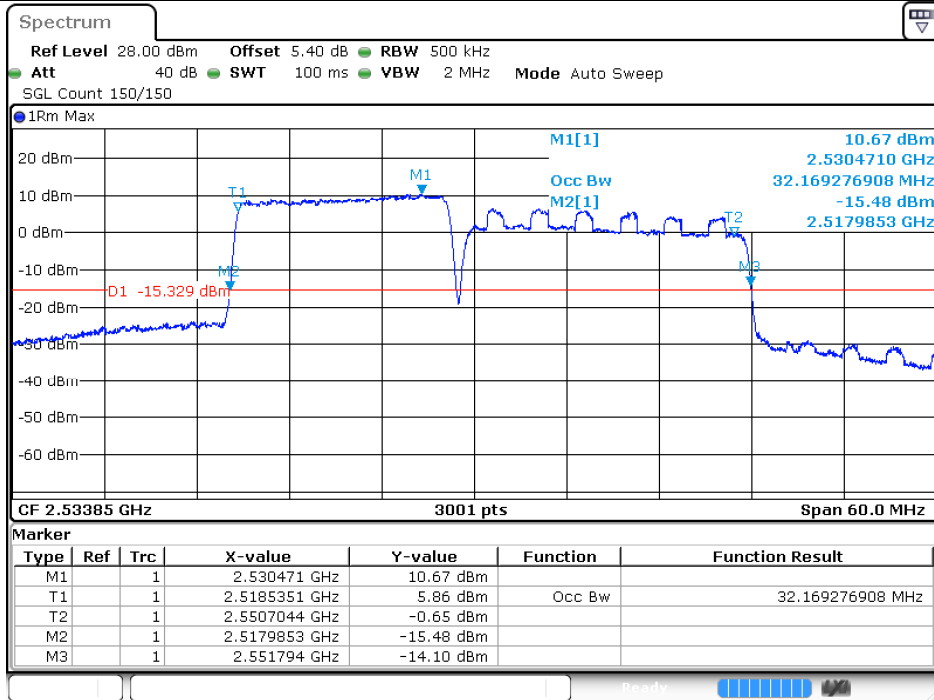
**CA 7C 15+10 16QAM 20825+20945 75RB#0+50RB#0**



Date: 31.MAY.2020 14:42:12

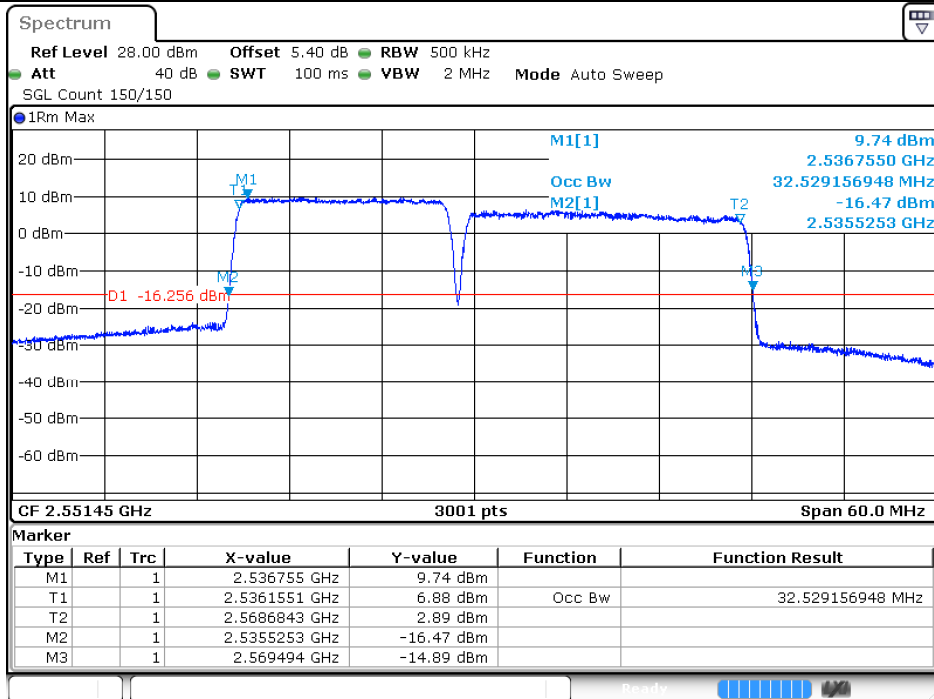


CA 7C 15+10 16QAM 21051+21171 75RB#0+50RB#0



Date: 31.MAY.2020 14:44:48

CA 7C 15+10 16QAM 21277+21397 75RB#0+50RB#0

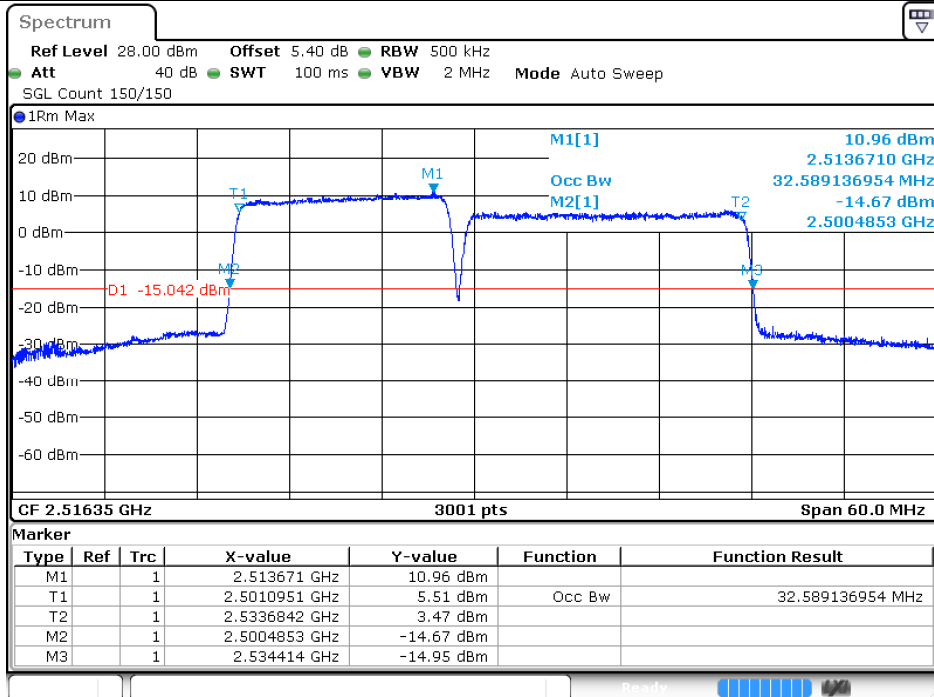


Date: 31.MAY.2020 14:47:23



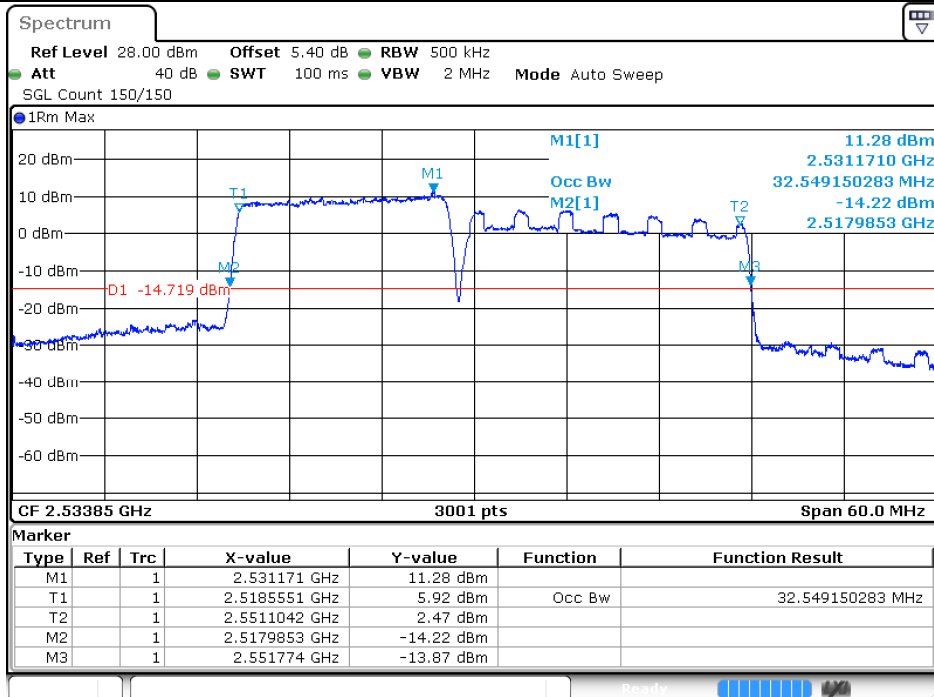


**CA 7C 15+10 64QAM 20825+20945 75RB#0+50RB#0**



Date: 31.MAY.2020 14:42:35

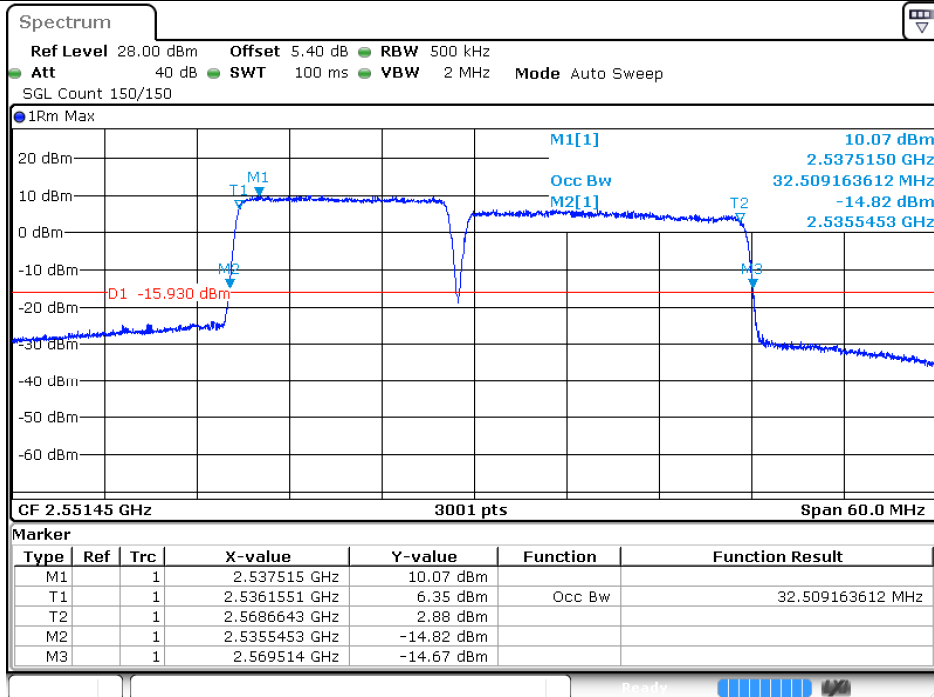
**CA 7C 15+10 64QAM 21051+21171 75RB#0+50RB#0**



Date: 31.MAY.2020 14:45:11

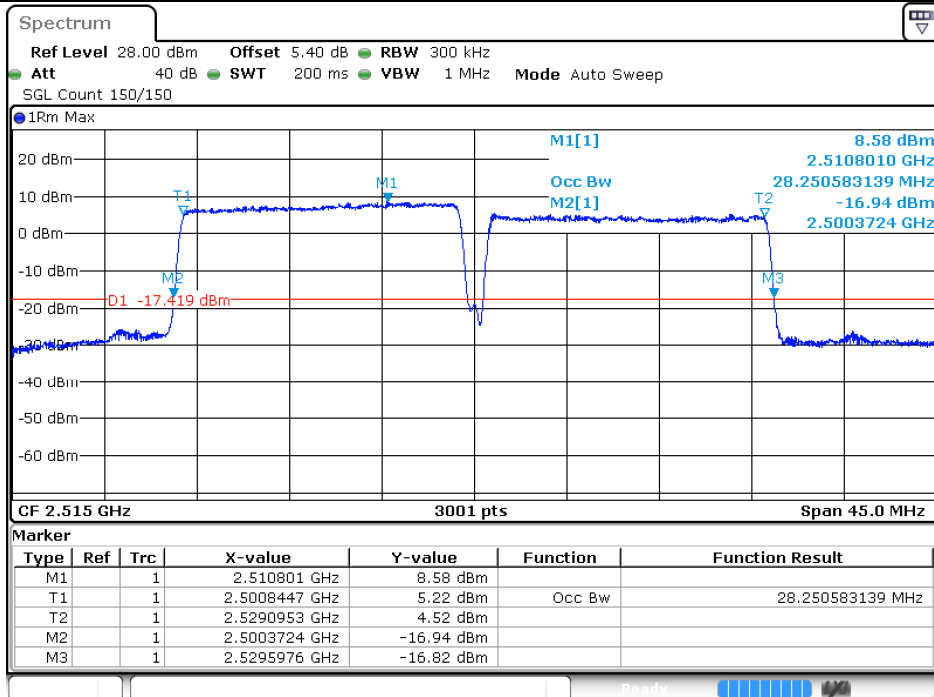


**CA 7C 15+10 64QAM 21277+21397 75RB#0+50RB#0**



Date: 31.MAY.2020 14:47:46

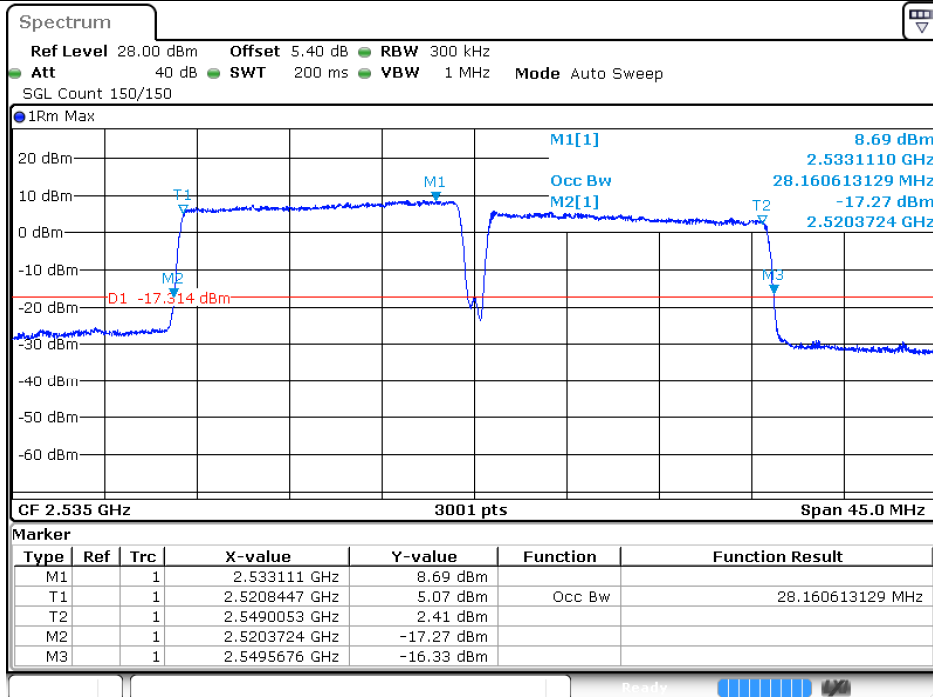
**CA 7C 15+15 QPSK 20825+20975 75RB#0+75RB#0**



Date: 31.MAY.2020 14:32:59

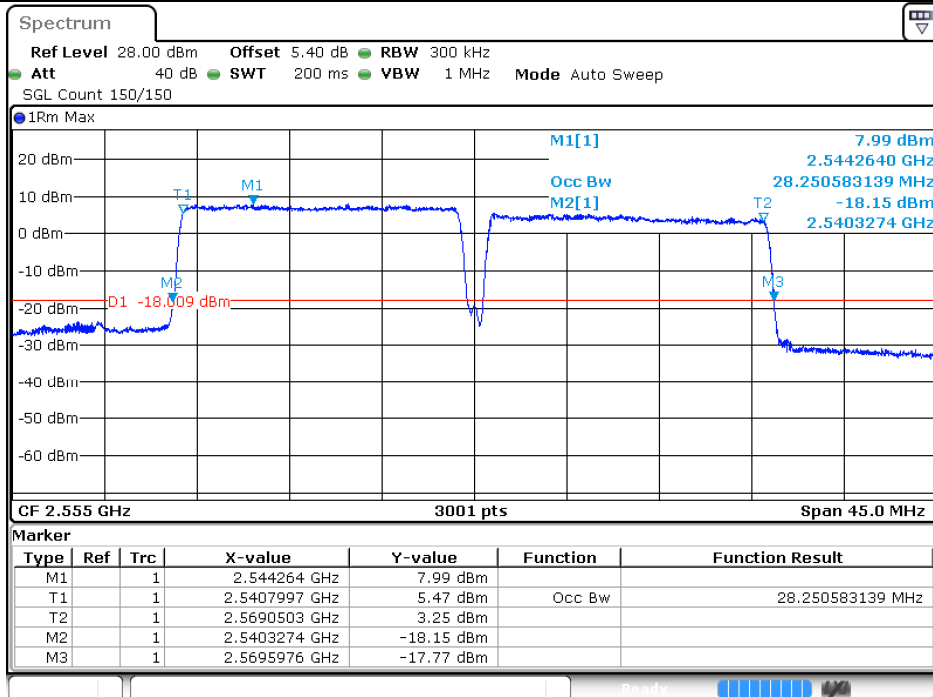


**CA 7C 15+15 QPSK 21025+21175 75RB#0+75RB#0**



Date: 31.MAY.2020 14:35:55

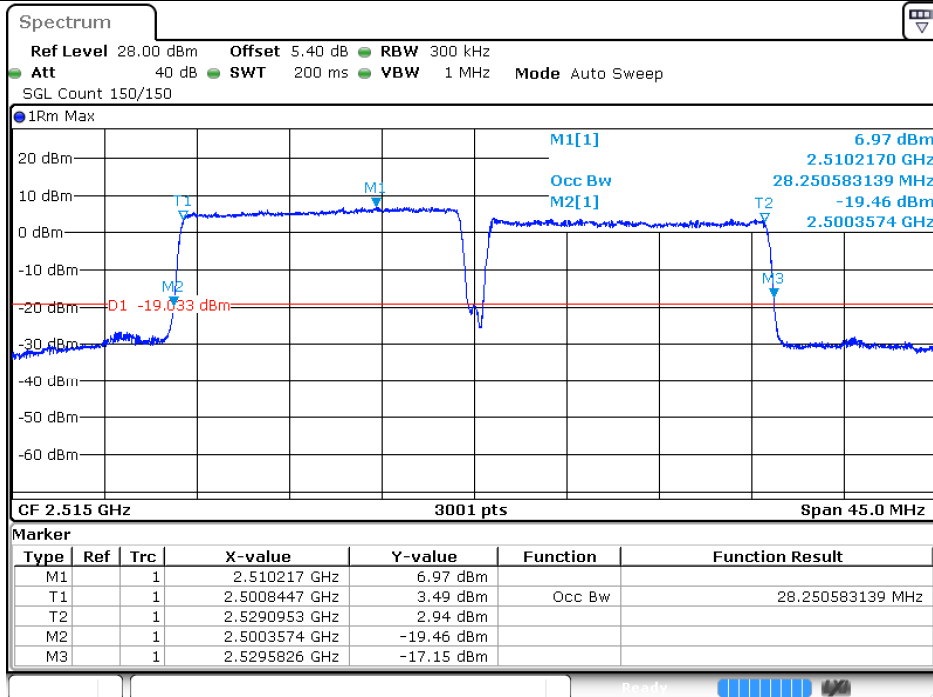
**CA 7C 15+15 QPSK 21225+21375 75RB#0+75RB#0**



Date: 31.MAY.2020 14:38:55

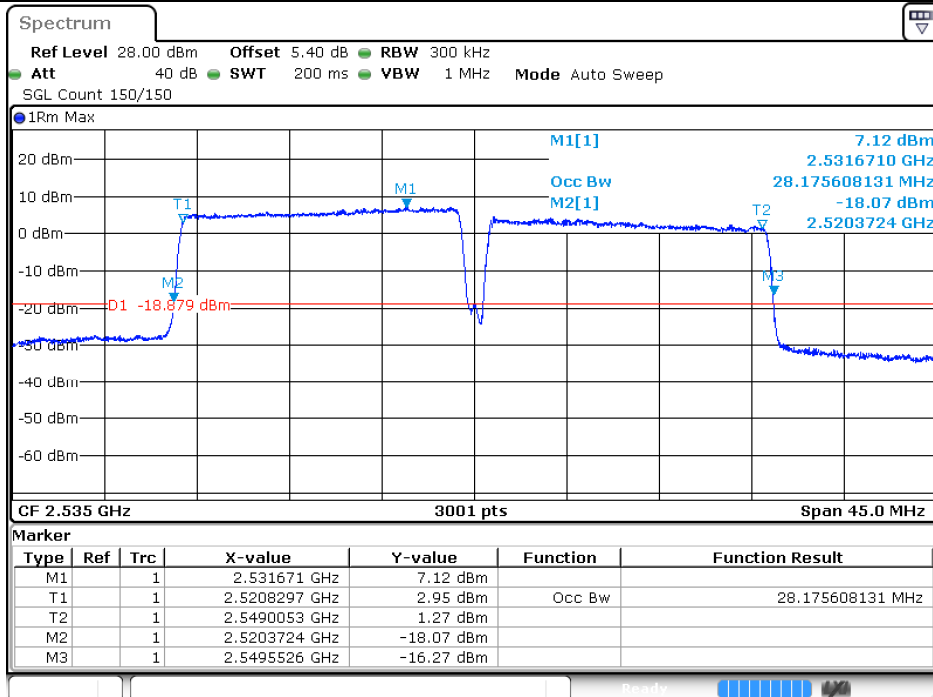


**CA 7C 15+15 16QAM 20825+20975 75RB#0+75RB#0**



Date: 31.MAY.2020 14:33:36

**CA 7C 15+15 16QAM 21025+21175 75RB#0+75RB#0**

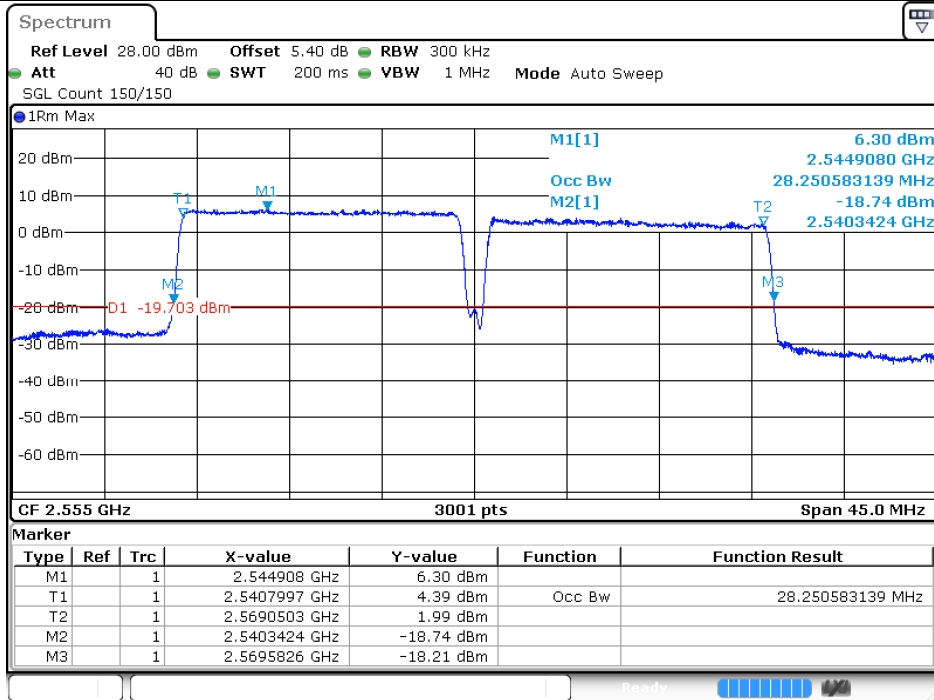


Date: 31.MAY.2020 14:36:32



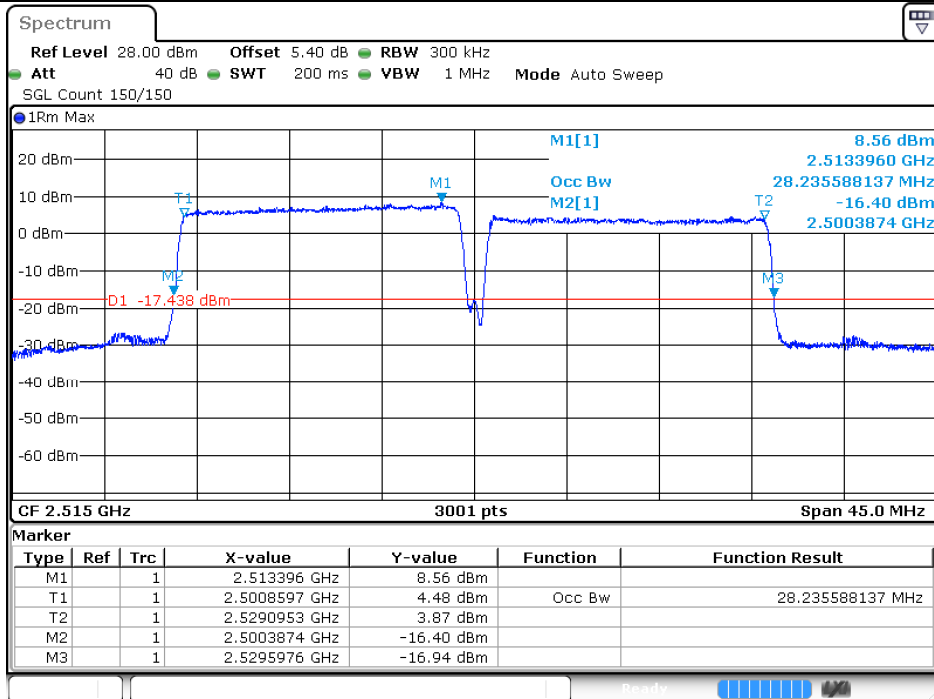


**CA 7C 15+15 16QAM 21225+21375 75RB#0+75RB#0**



Date: 31.MAY.2020 14:39:32

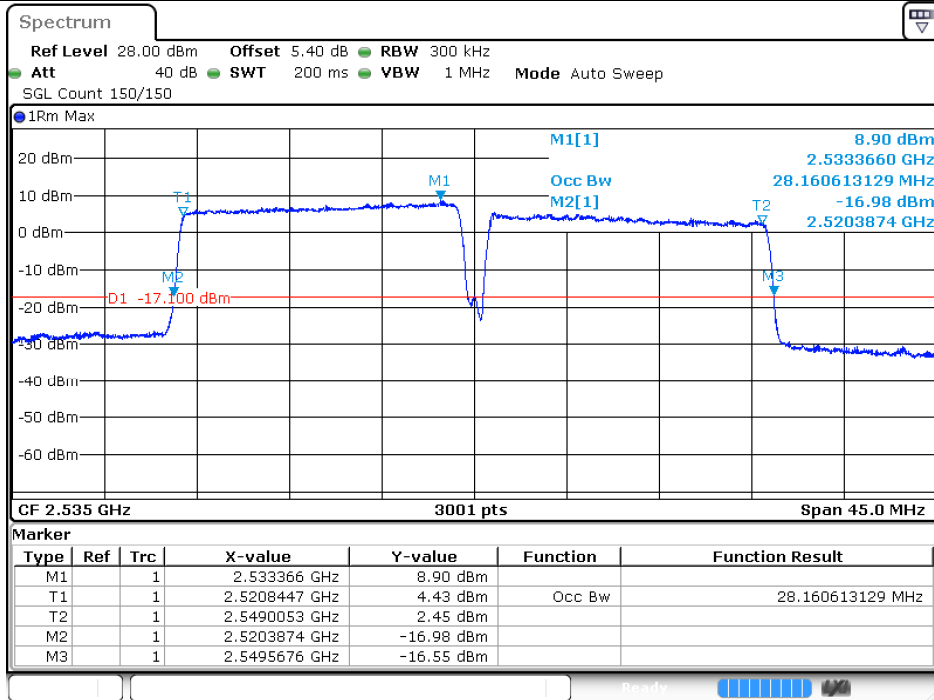
**CA 7C 15+15 64QAM 20825+20975 75RB#0+75RB#0**



Date: 31.MAY.2020 14:34:13

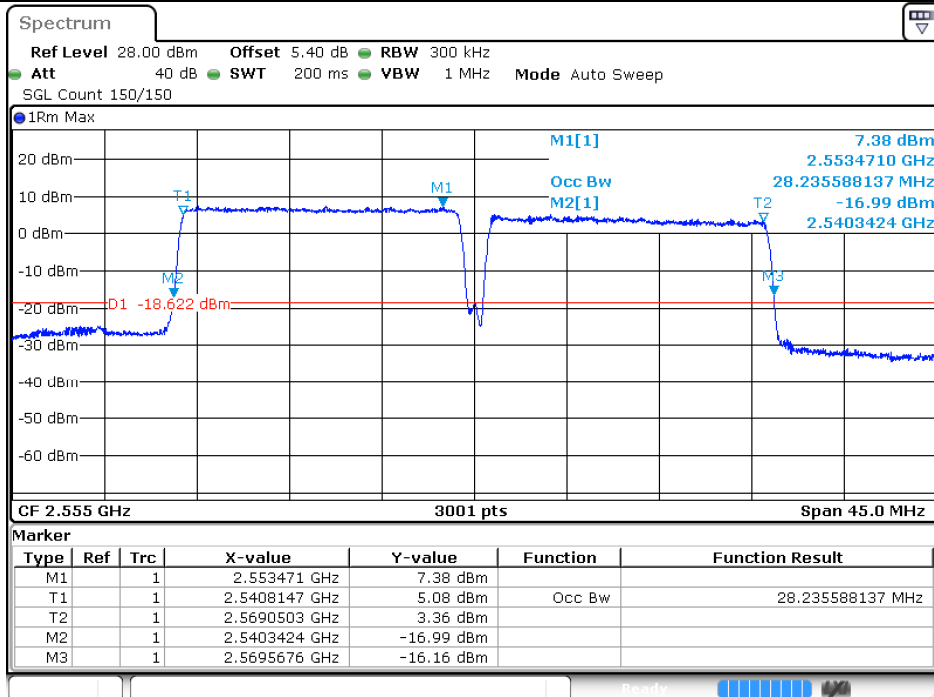


**CA 7C 15+15 64QAM 21025+21175 75RB#0+75RB#0**



Date: 31.MAY.2020 14:37:10

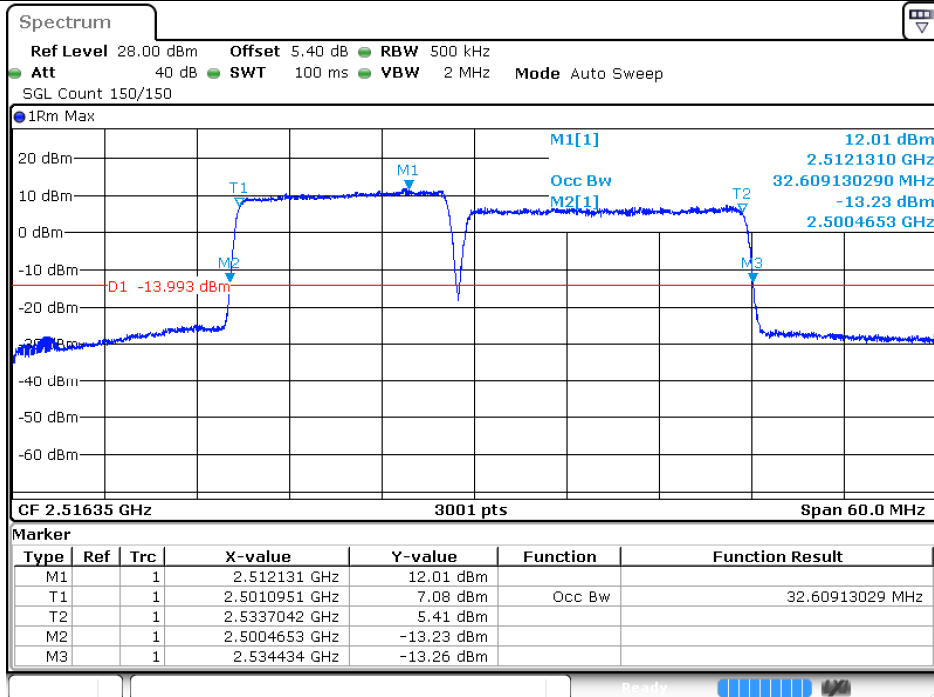
**CA 7C 15+15 64QAM 21225+21375 75RB#0+75RB#0**



Date: 31.MAY.2020 14:40:10

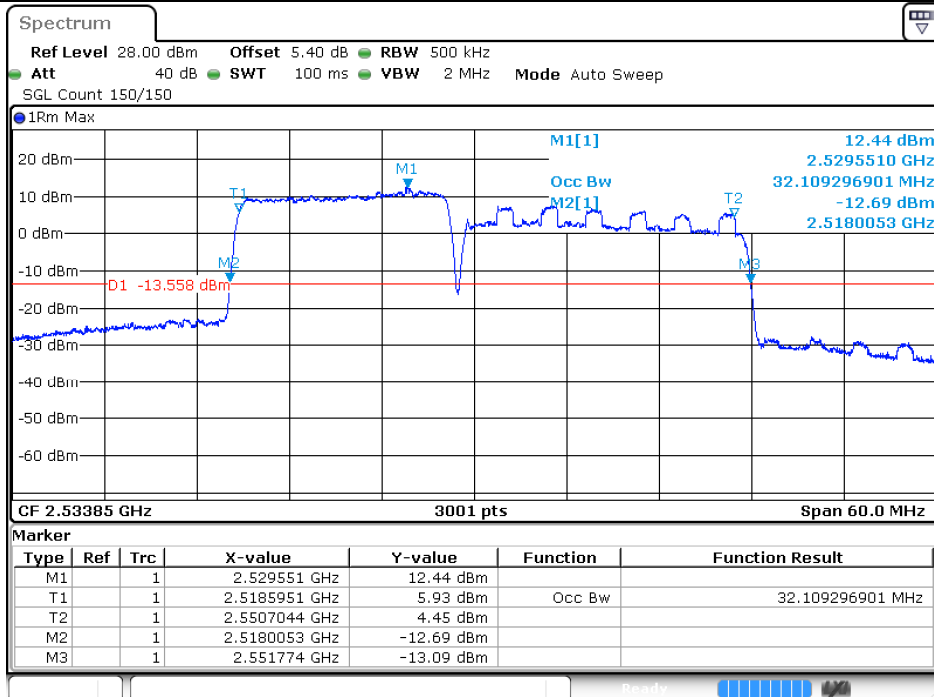


**CA 7C 15+20 QPSK 20828+20999 75RB#0+100RB#0**



Date: 31.MAY.2020 14:41:49

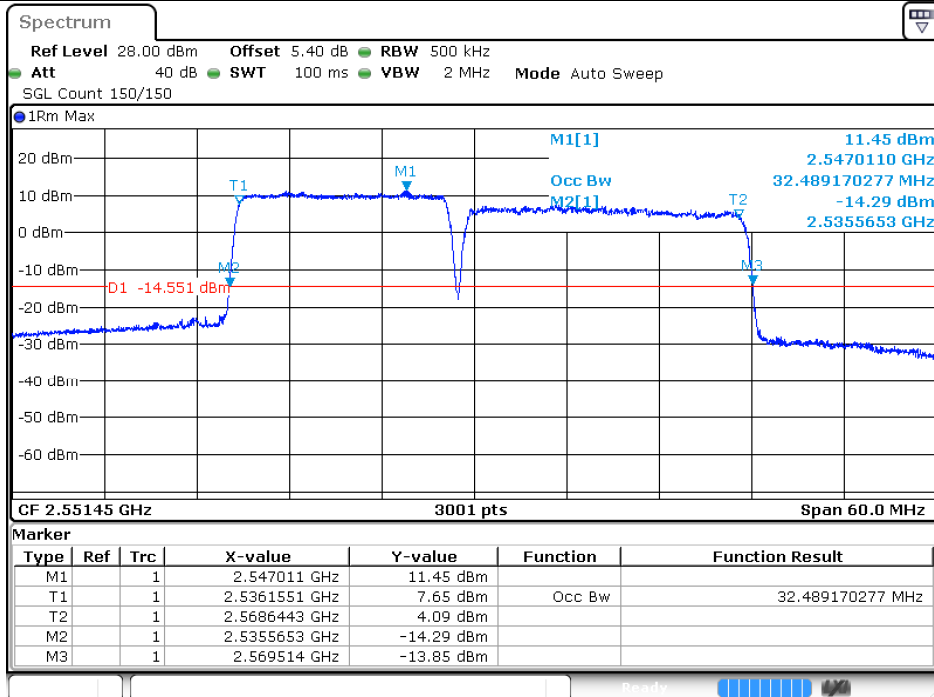
**CA 7C 15+20 QPSK 21003+21174 75RB#0+100RB#0**



Date: 31.MAY.2020 14:44:25

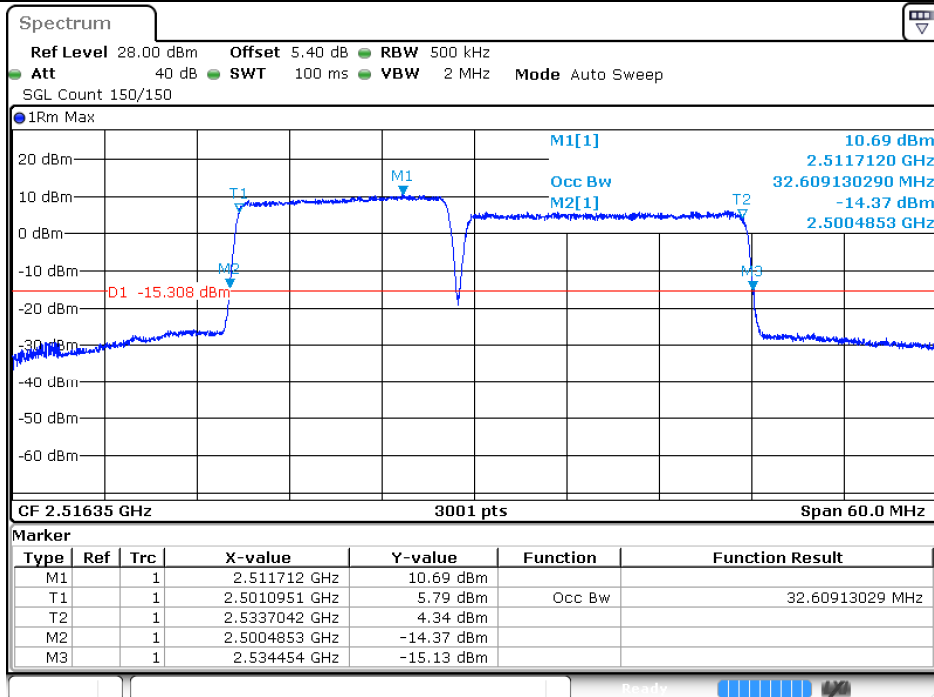


**CA 7C 15+20 QPSK 21179+21350 75RB#0+100RB#0**



Date: 31.MAY.2020 14:47:00

**CA 7C 15+20 16QAM 20828+20999 75RB#0+100RB#0**

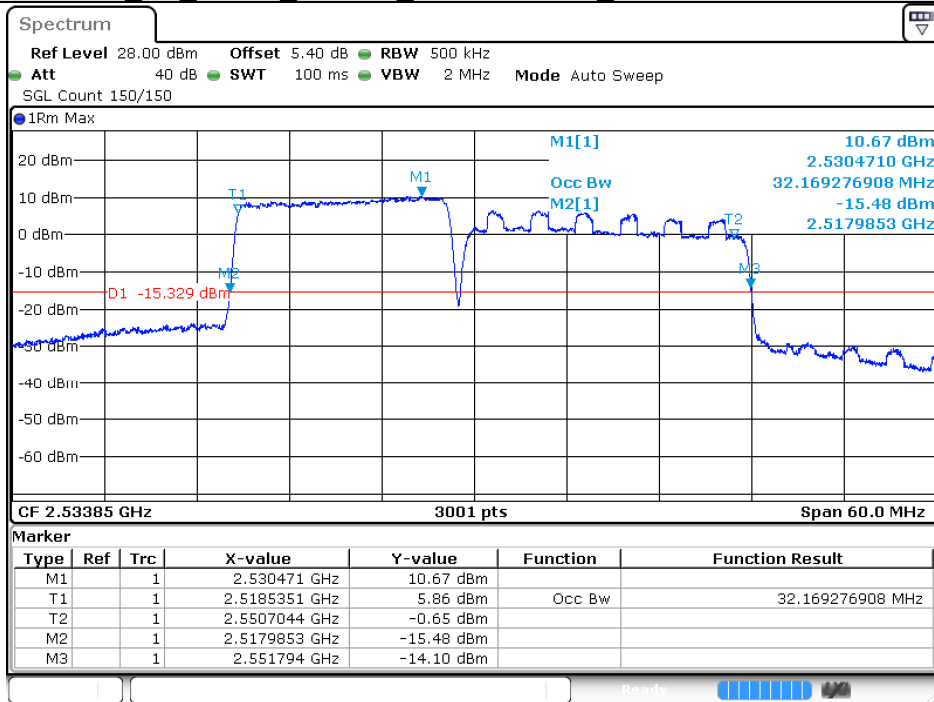


Date: 31.MAY.2020 14:42:12



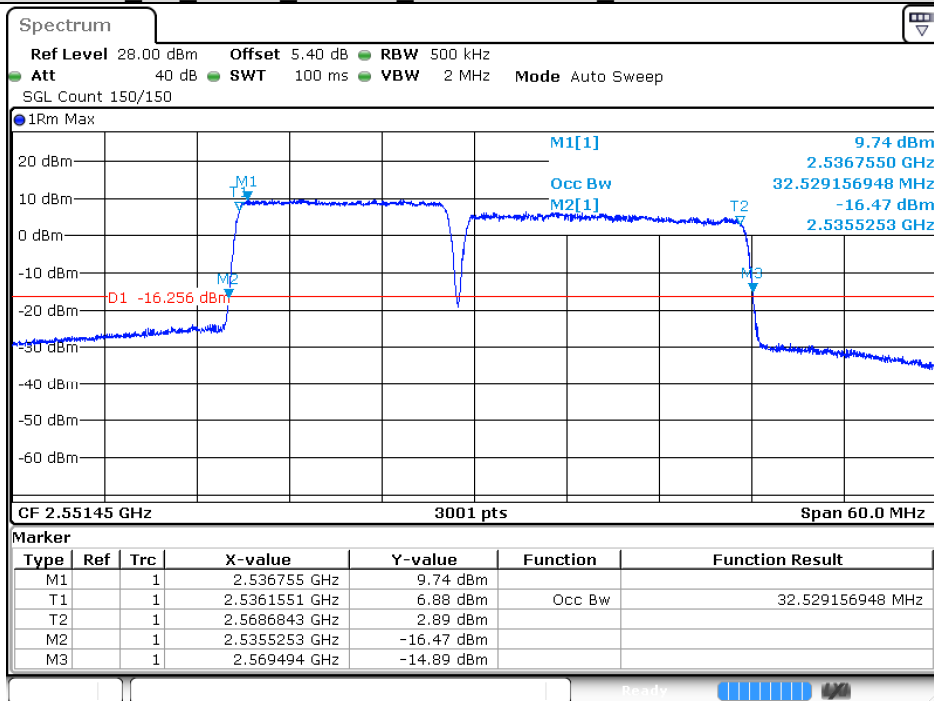


**CA 7C 15+20 16QAM 21003+21174 75RB#0+100RB#0**



Date: 31.MAY.2020 14:44:48

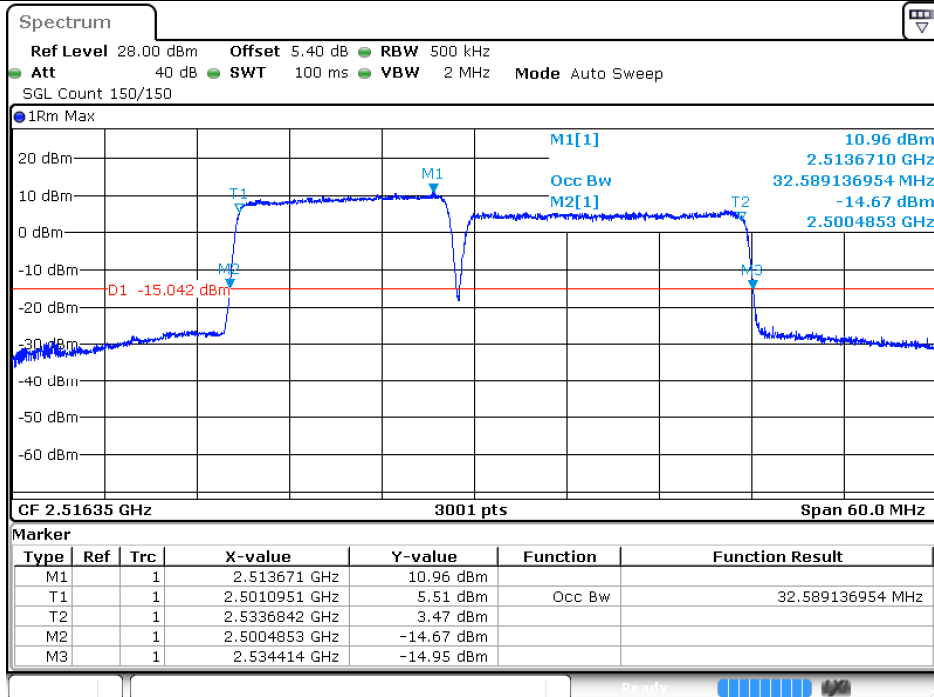
**CA 7C 15+20 16QAM 21179+21350 75RB#0+100RB#0**



Date: 31.MAY.2020 14:47:23

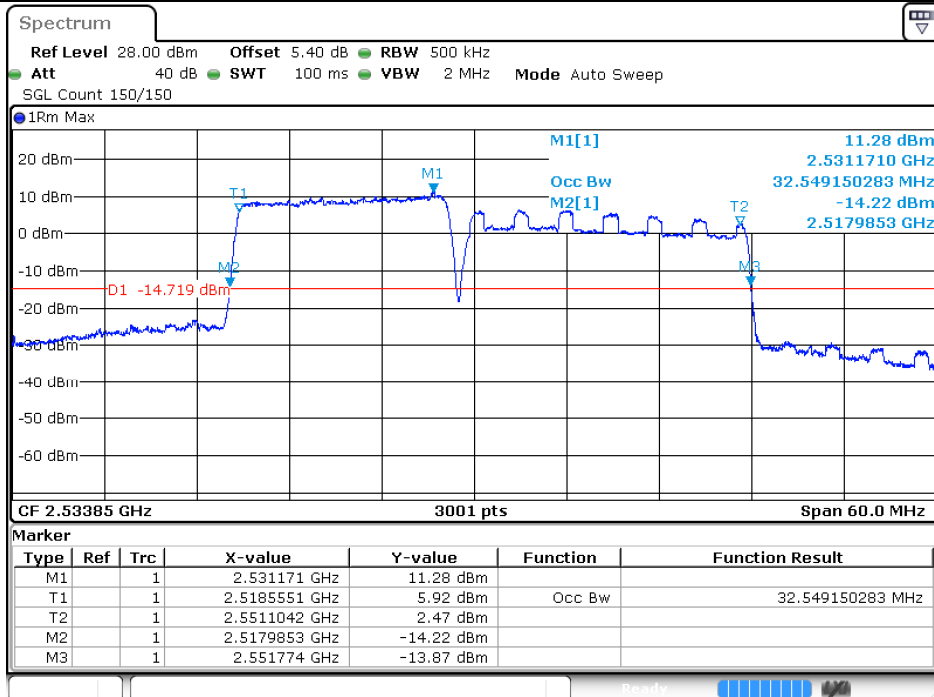


**CA 7C 15+20 64QAM 20828+20999 75RB#0+100RB#0**



Date: 31.MAY.2020 14:42:35

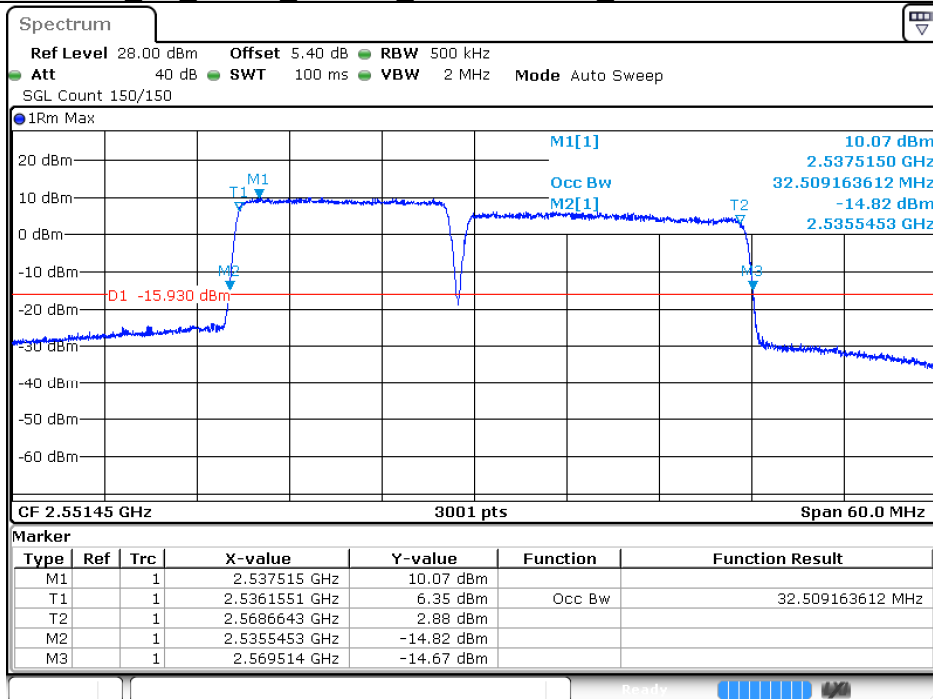
**CA 7C 15+20 64QAM 21003+21174 75RB#0+100RB#0**



Date: 31.MAY.2020 14:45:11

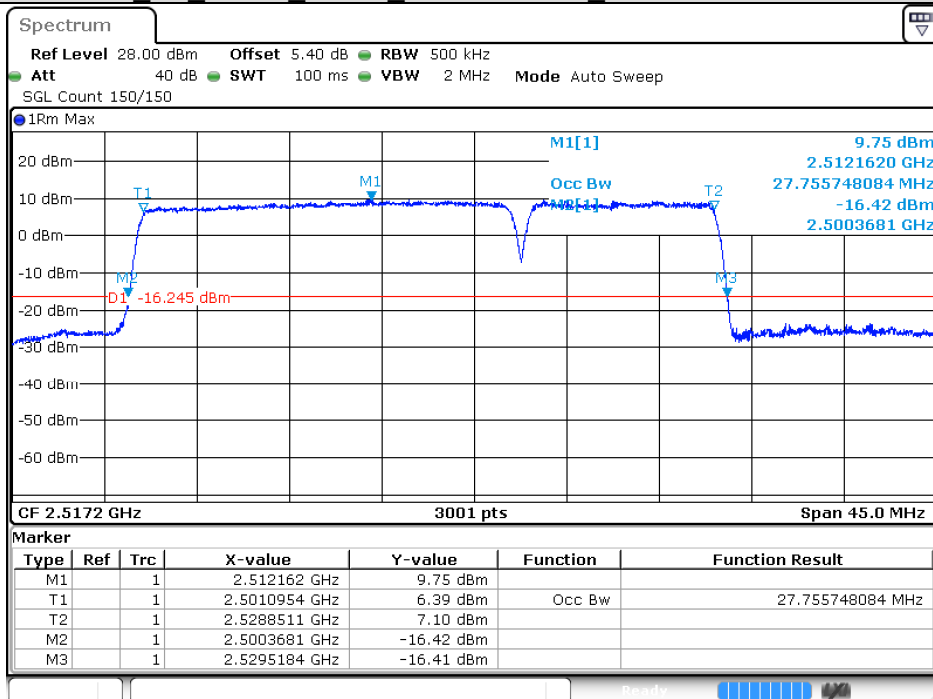


**CA 7C 15+20 64QAM 21179+21350 75RB#0+100RB#0**



Date: 31.MAY.2020 14:47:46

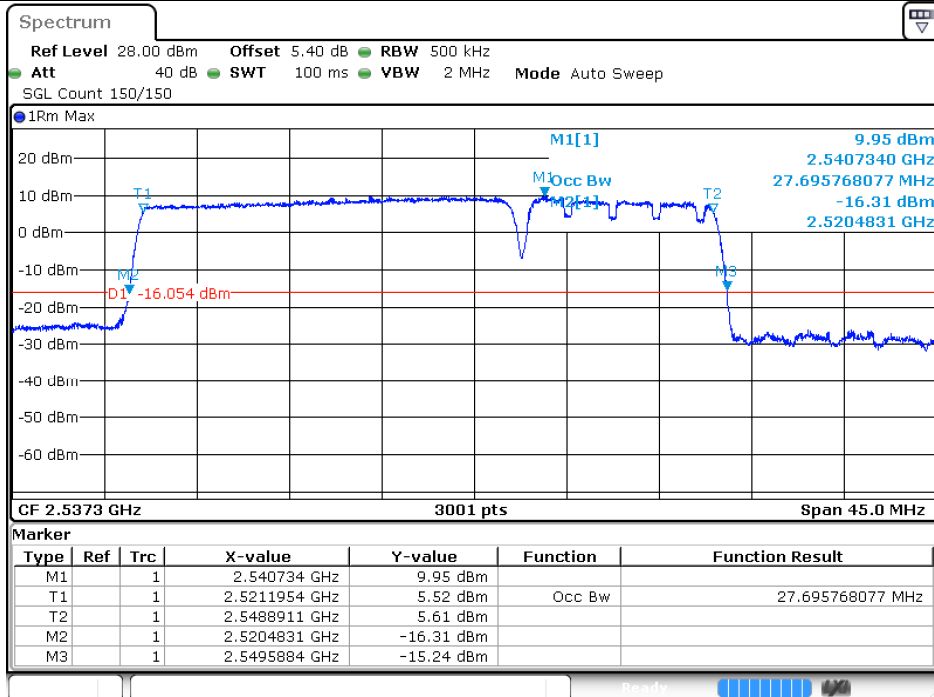
**CA 7C 20+10 QPSK 20850+20994 100RB#0+50RB#0**



Date: 31.MAY.2020 14:20:04

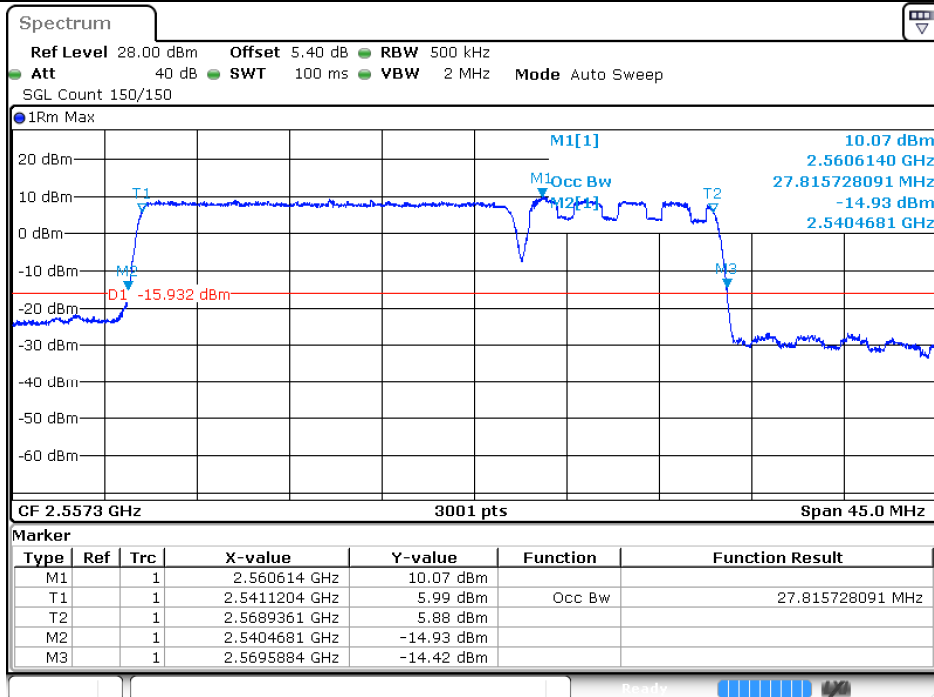


**CA 7C 20+10 QPSK 21051+21195 100RB#0+50RB#0**



Date: 31.MAY.2020 14:22:34

**CA 7C 20+10 QPSK 21251+21395 100RB#0+50RB#0**

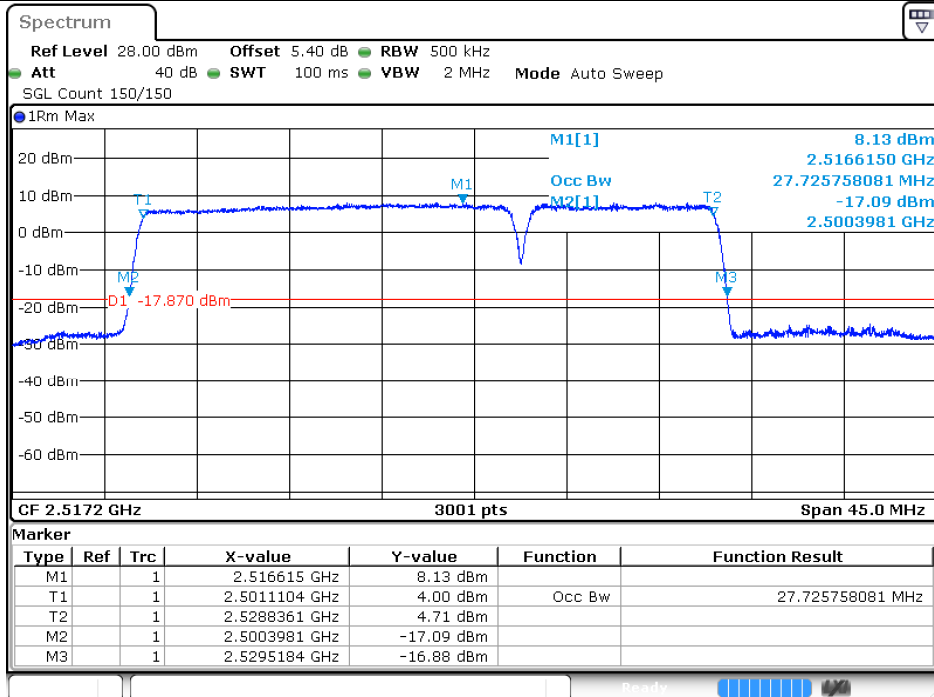


Date: 31.MAY.2020 14:24:45



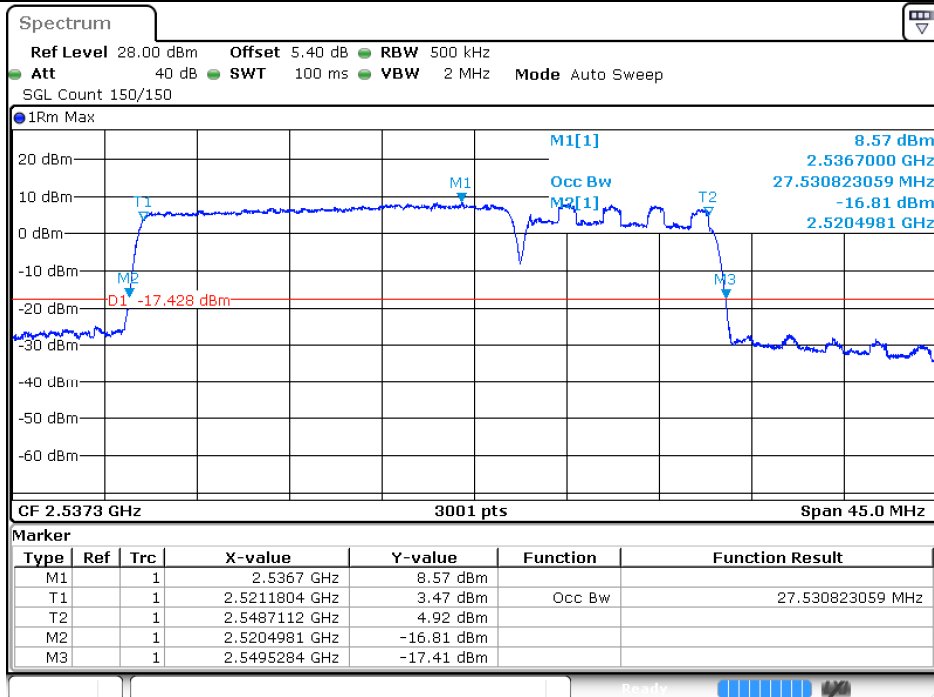


**CA 7C 20+10 16QAM 20850+20994 100RB#0+50RB#0**



Date: 31.MAY.2020 14:20:25

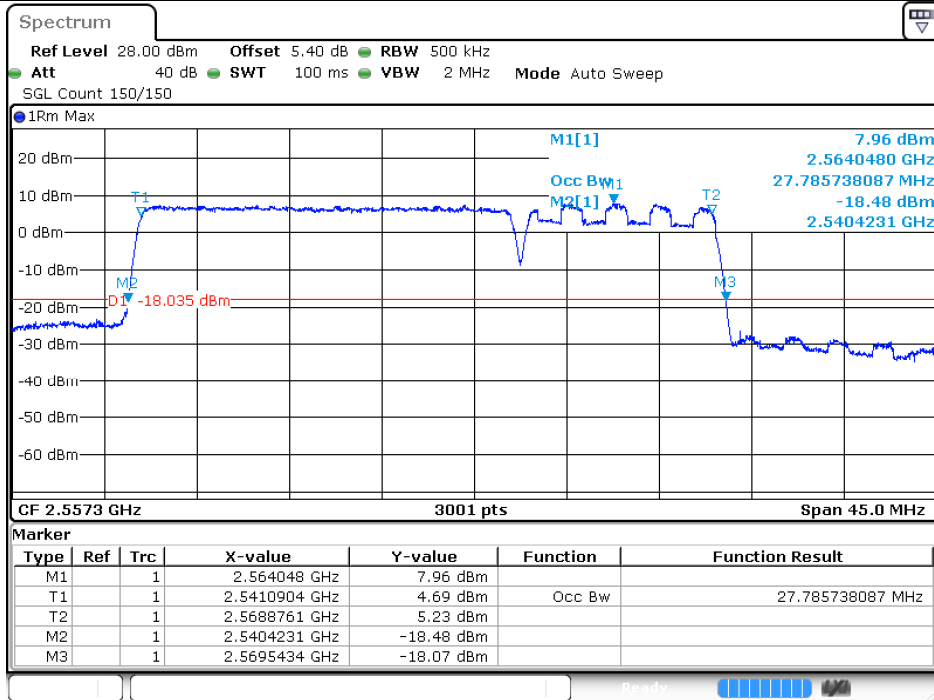
**CA 7C 20+10 16QAM 21051+21195 100RB#0+50RB#0**



Date: 31.MAY.2020 14:22:56

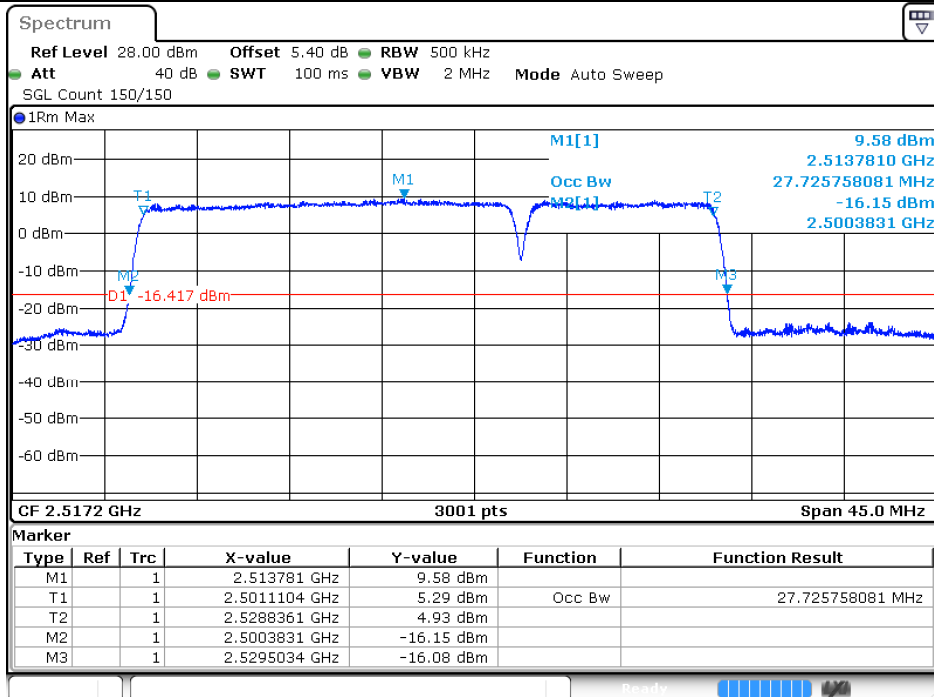


**CA 7C 20+10 16QAM 21251+21395 100RB#0+50RB#0**



Date: 31.MAY.2020 14:25:06

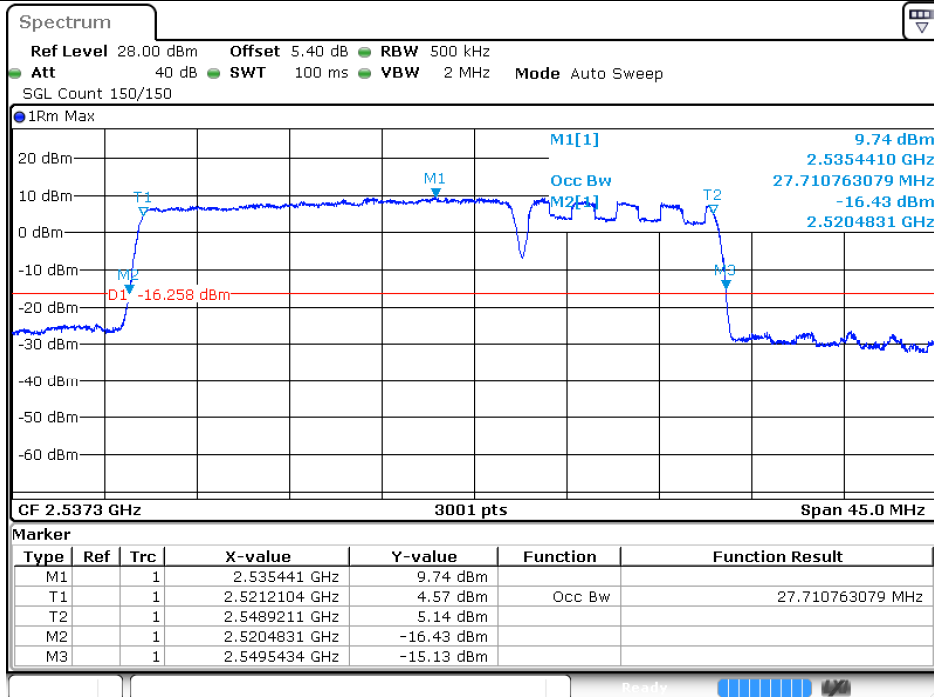
**A 7C 20+10 64QAM 20850+20994 100RB#0+50RB#0**



Date: 31.MAY.2020 14:20:47

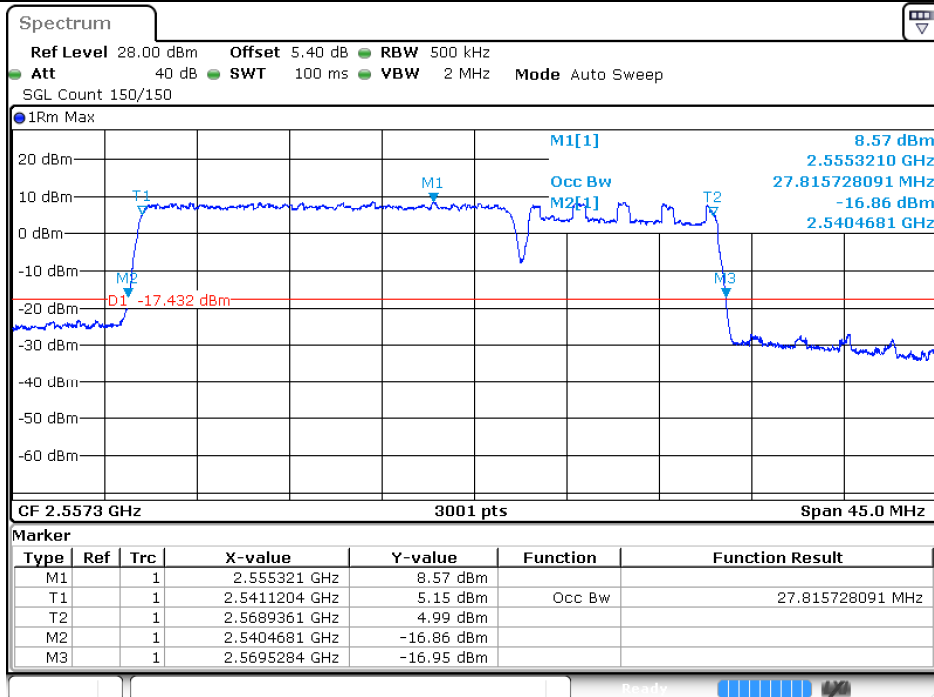


**CA 7C 20+10 64QAM 21051+21195 100RB#0+50RB#0**



Date: 31.MAY.2020 14:23:18

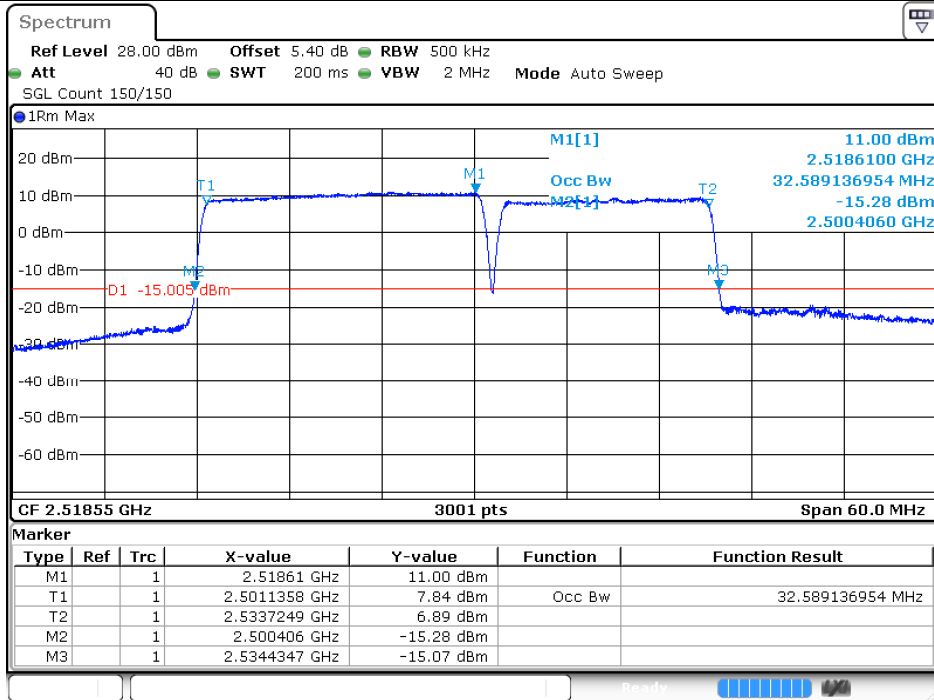
**CA 7C 20+10 64QAM 21251+21395 100RB#0+50RB#0**



Date: 31.MAY.2020 14:25:28

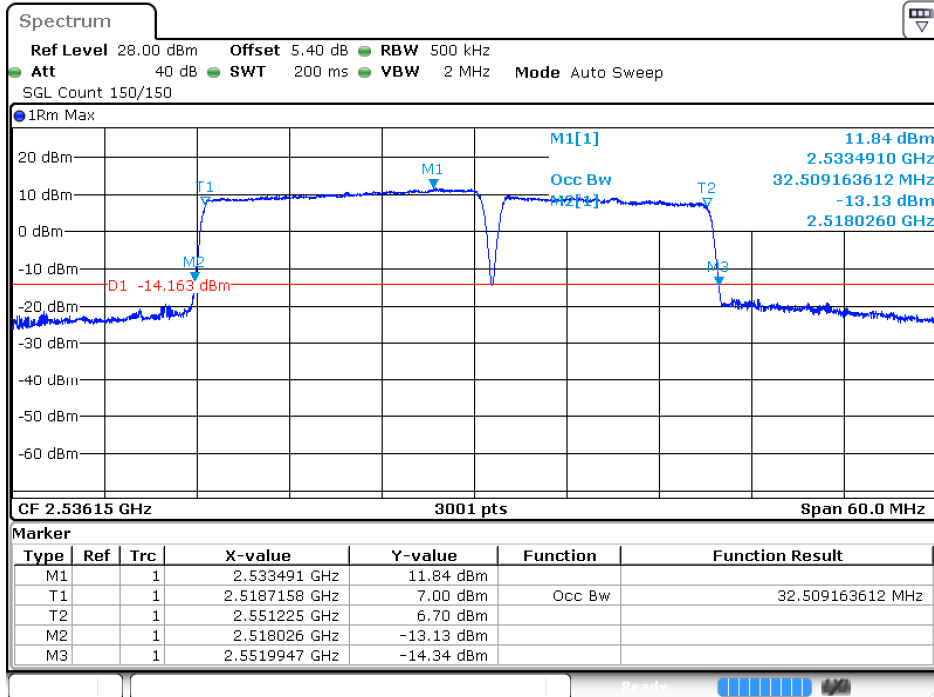


**CA 7C 20+15 QPSK 20850+21021 100RB#0+75RB#0**



Date: 31.MAY.2020 15:19:05

**CA 7C 20+15 QPSK 21026+21197 100RB#0+75RB#0**

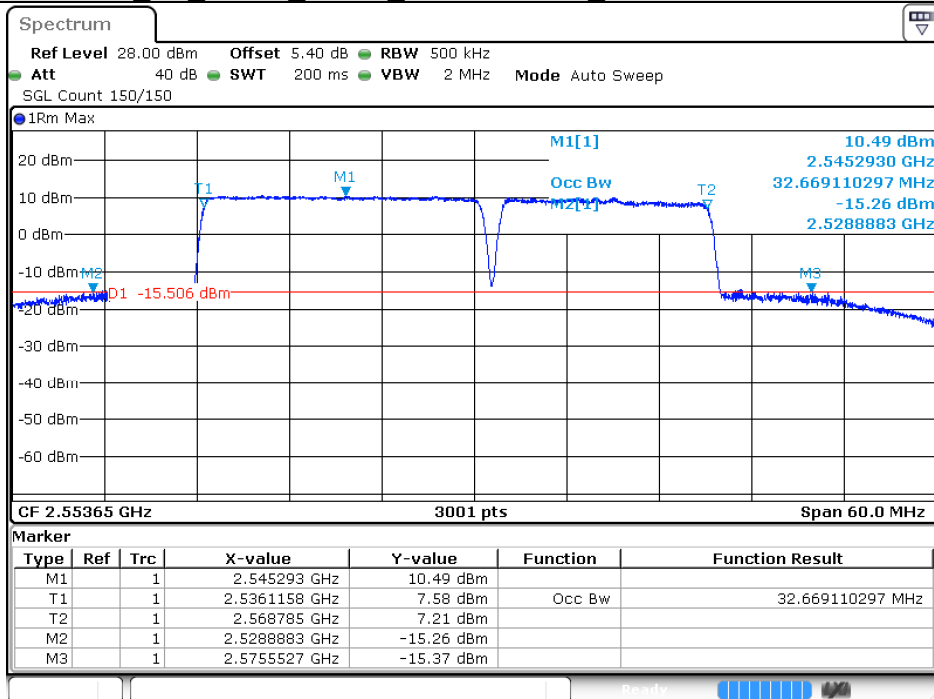


Date: 31.MAY.2020 15:21:06



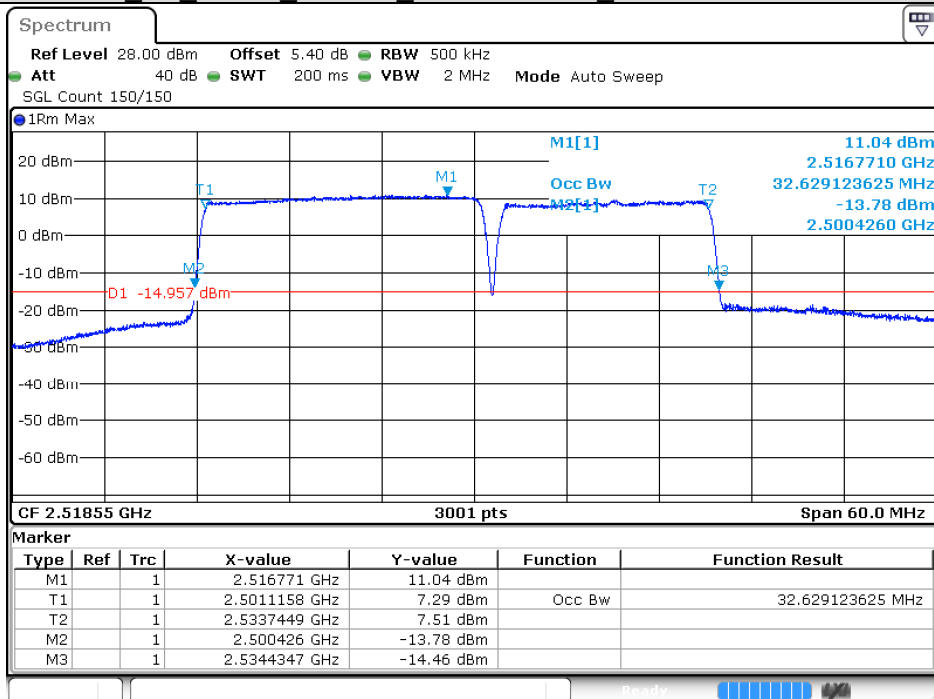


**CA 7C 20+15 QPSK 21201+21372 100RB#0+75RB#0**



Date: 31.MAY.2020 15:24:03

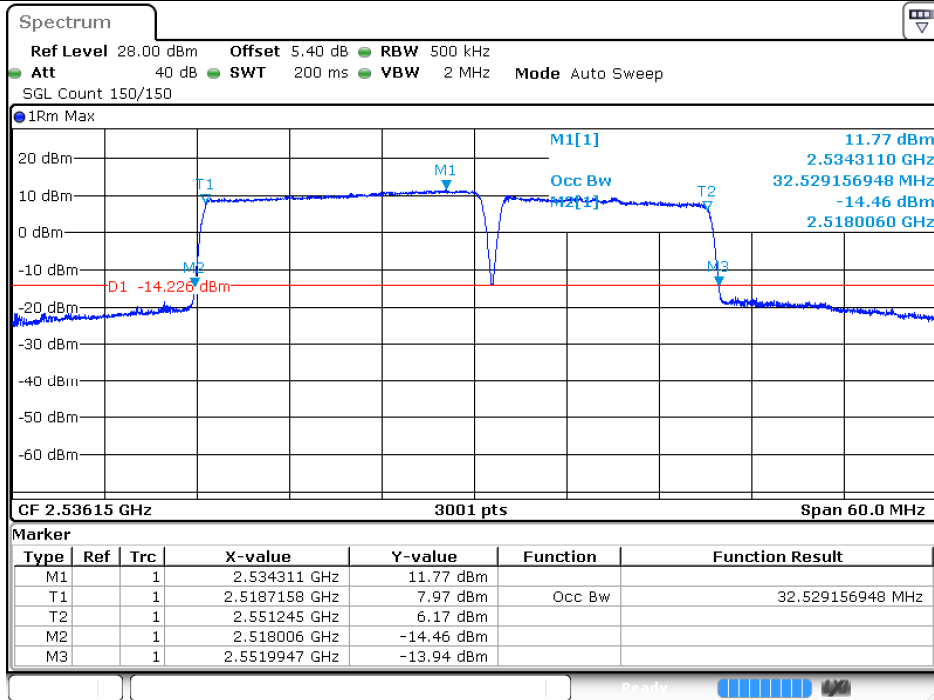
**CA 7C 20+15 16QAM 20850+21021 100RB#0+75RB#0**



Date: 31.MAY.2020 15:19:44

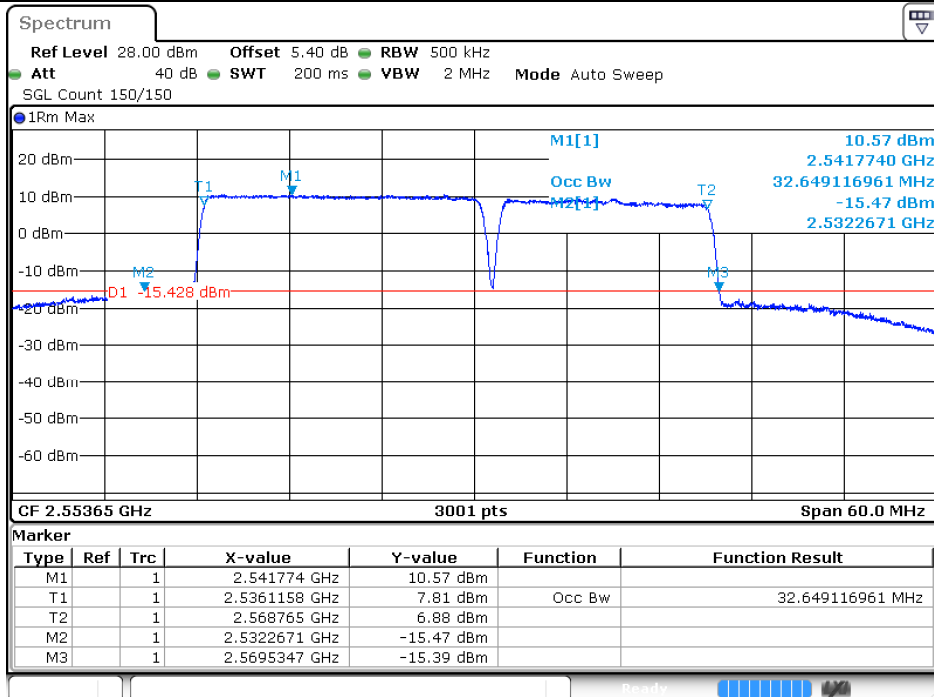


**CA 7C 20+15 16QAM 21026+21197 100RB#0+75RB#0**



Date: 31.MAY.2020 15:21:45

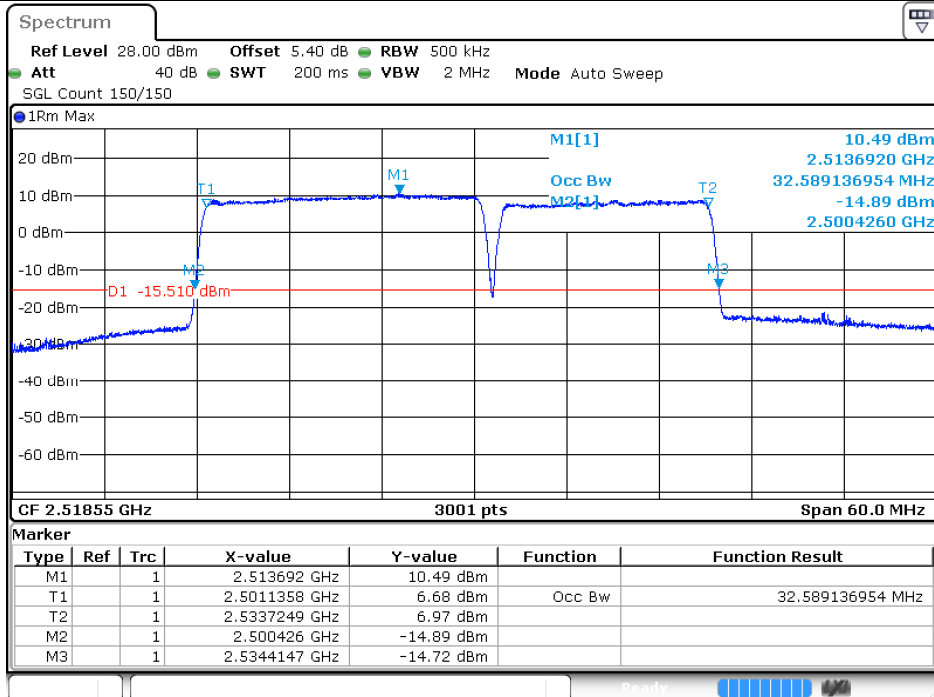
**CA 7C 20+15 16QAM 21201+21372 100RB#0+75RB#0**



Date: 31.MAY.2020 15:24:40

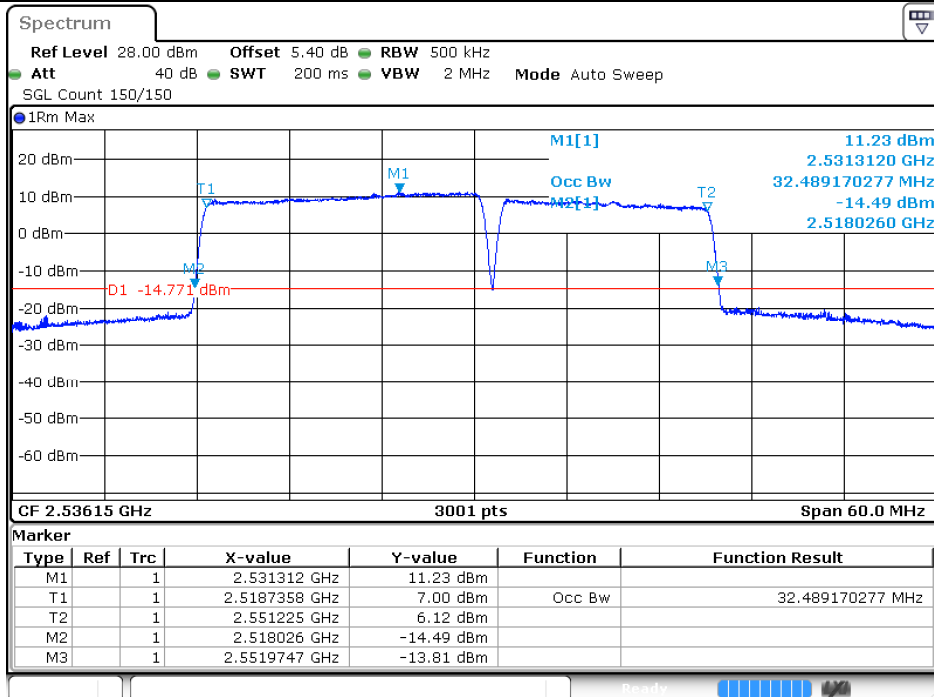


**CA 7C 20+15 64QAM 20850+21021 100RB#0+75RB#0**



Date: 31.MAY.2020 15:20:24

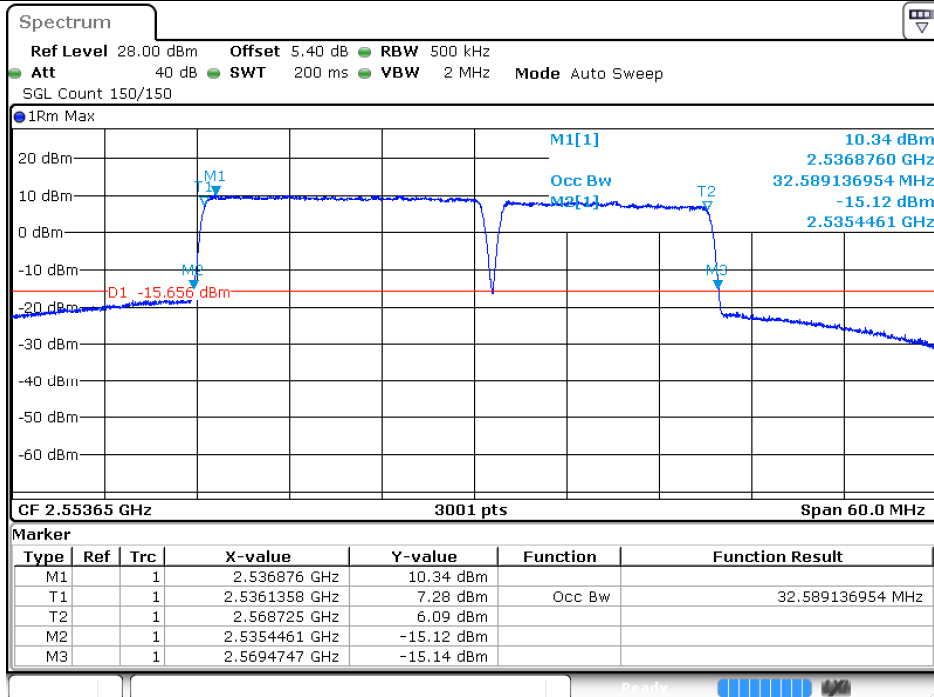
**CA 7C 20+15 64QAM 21026+21197 100RB#0+75RB#0**



Date: 31.MAY.2020 15:22:24

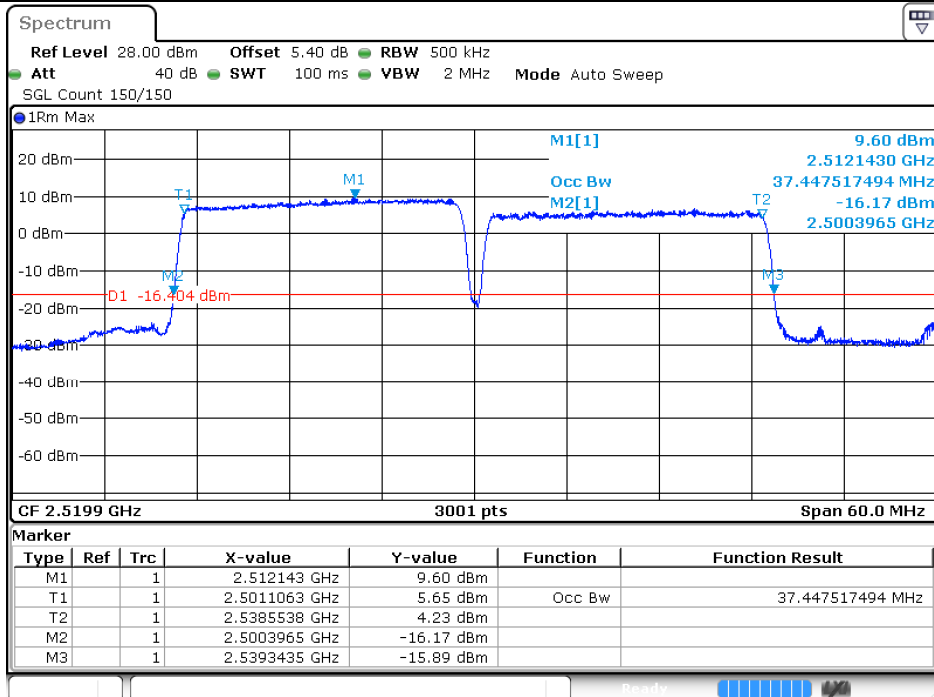


**CA 7C 20+15 64QAM 21201+21372 100RB#0+75RB#0**



Date: 31.MAY.2020 15:25:19

**CA 7C 20+20 QPSK 20850+21048 100RB#0+100RB#0**

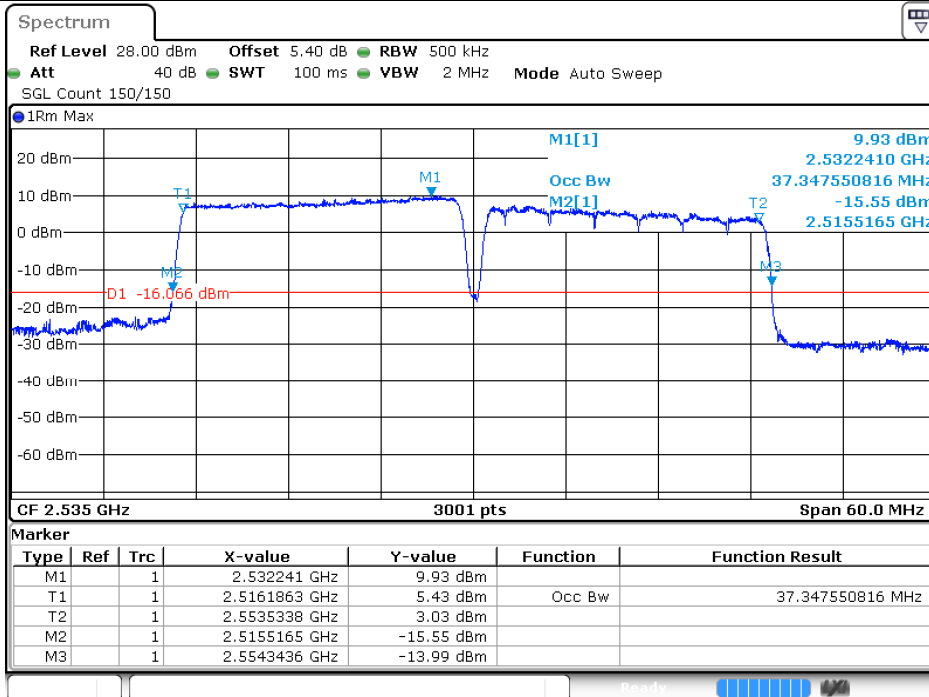


Date: 31.MAY.2020 15:26:53



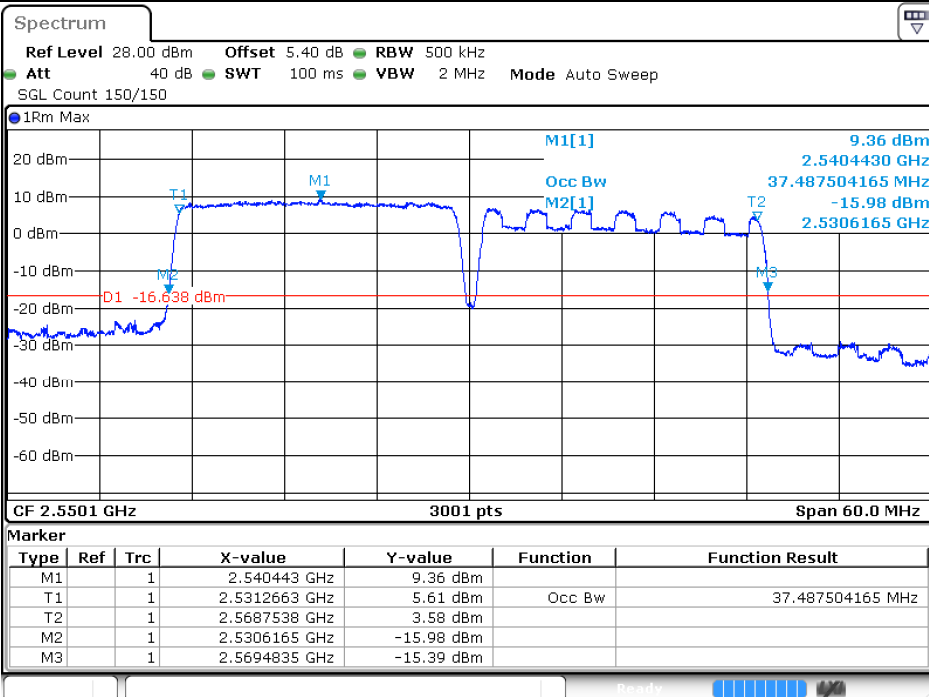


**CA 7C 20+20 QPSK 21001+21199 100RB#0+100RB#0**



Date: 31.MAY.2020 15:28:57

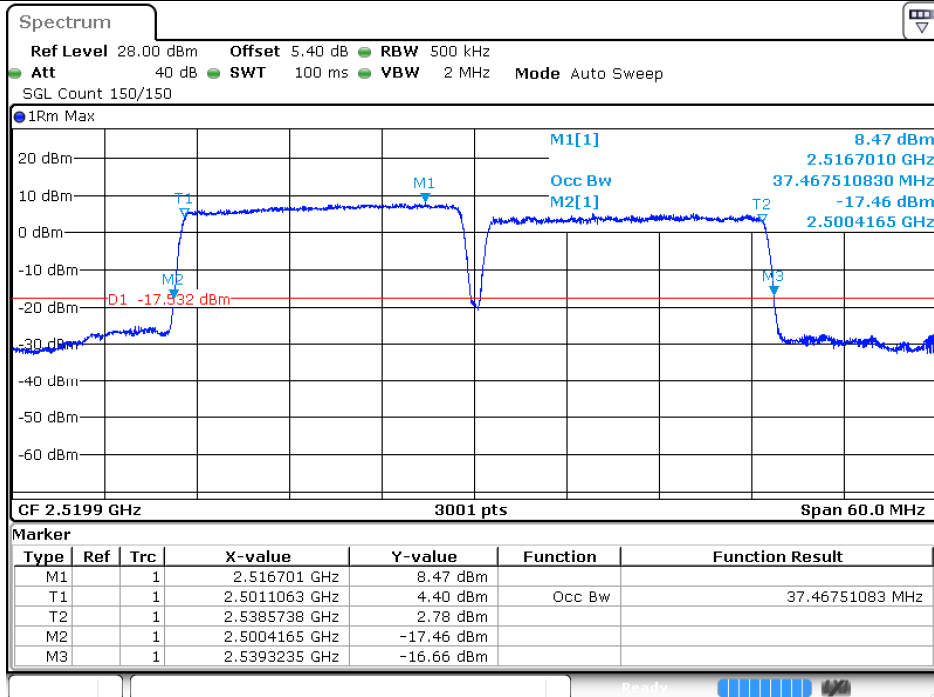
**CA 7C 20+20 QPSK 21152+21350 100RB#0+100RB#0**



Date: 31.MAY.2020 15:30:39

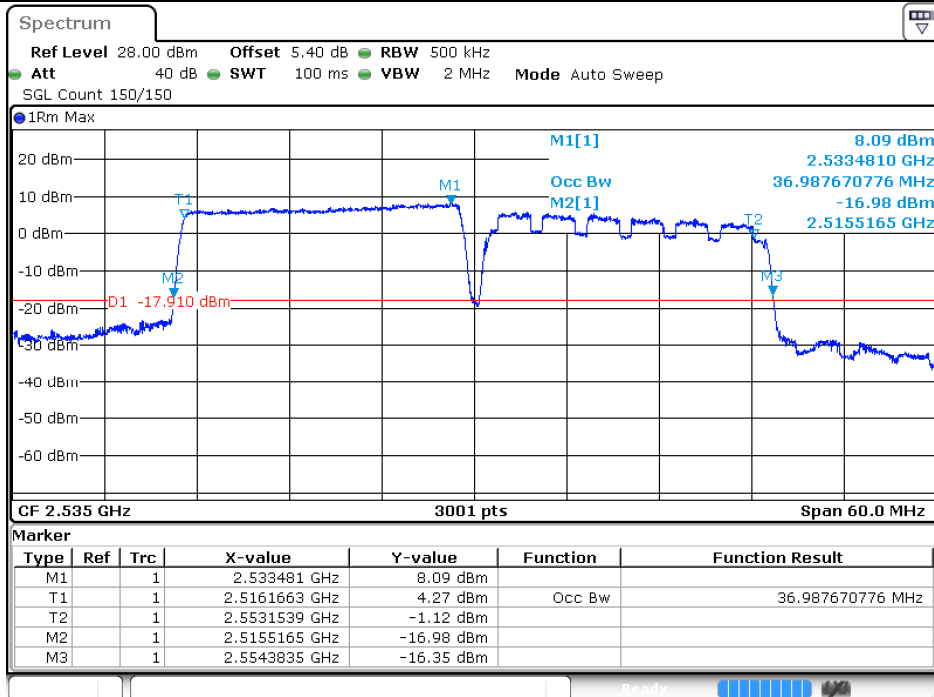


**CA 7C 20+20 16QAM 20850+21048 100RB#0+100RB#0**



Date: 31.MAY.2020 15:27:14

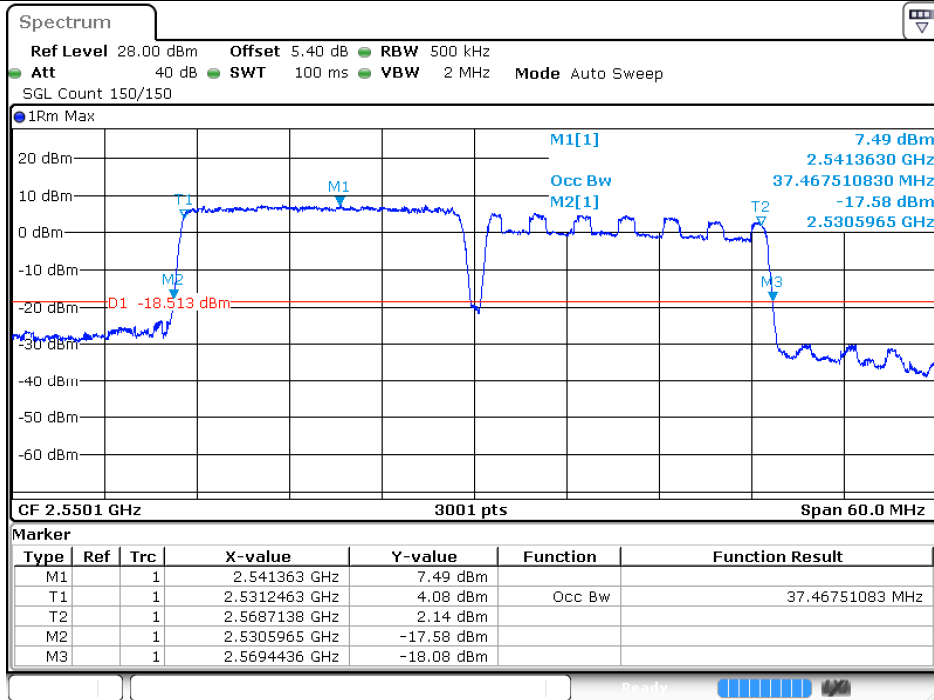
**CA 7C 20+20 16QAM 21001+21199 100RB#0+100RB#0**



Date: 31.MAY.2020 15:29:18

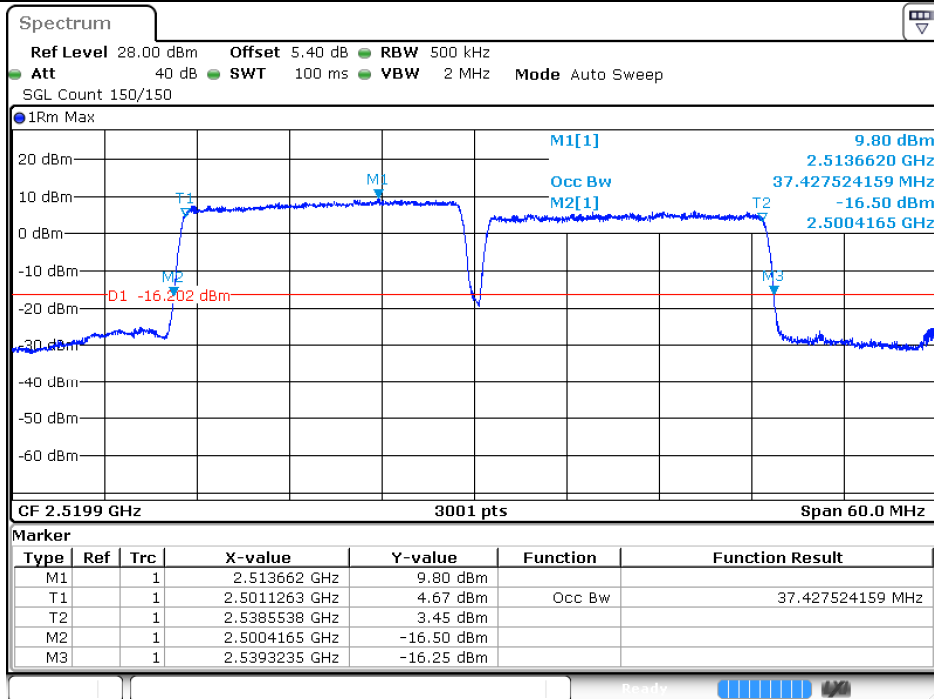


**CA 7C 20+20 16QAM 21152+21350 100RB#0+100RB#0**



Date: 31.MAY.2020 15:31:01

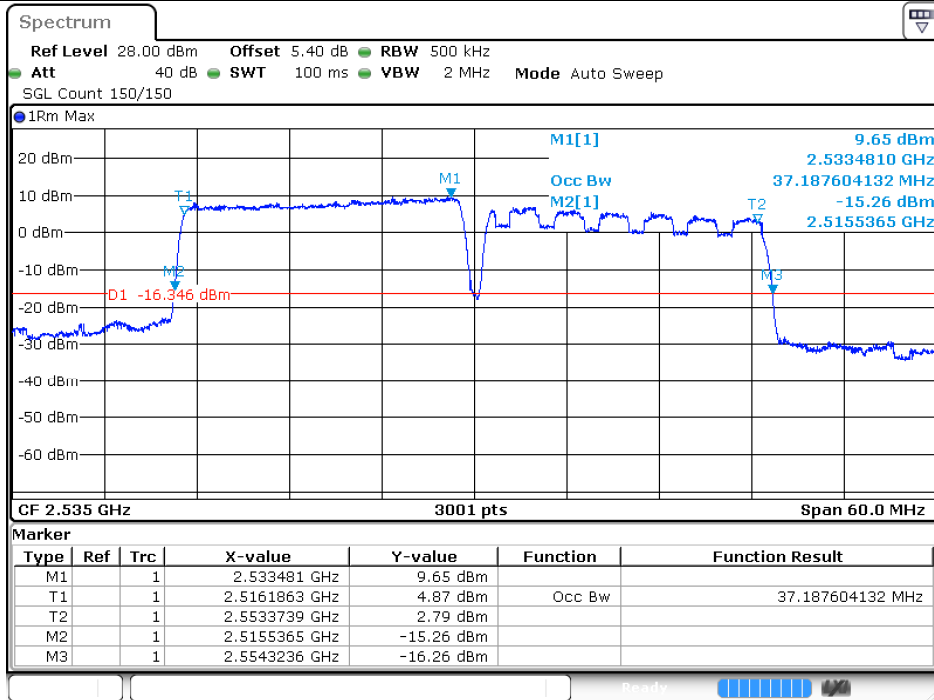
**CA 7C 20+20 64QAM 20850+21048 100RB#0+100RB#0**



Date: 31.MAY.2020 15:27:36

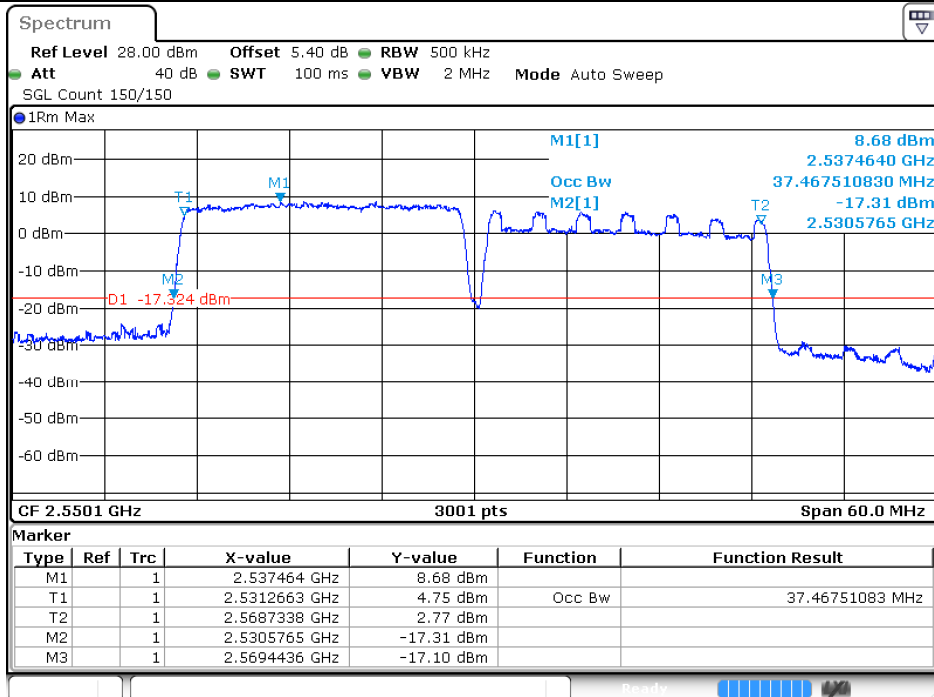


**CA 7C 20+20 64QAM 21001+21199 100RB#0+100RB#0**



Date: 31.MAY.2020 15:29:40

**CA 7C 20+20 64QAM 21152+21350 100RB#0+100RB#0**



Date: 31.MAY.2020 15:31:22

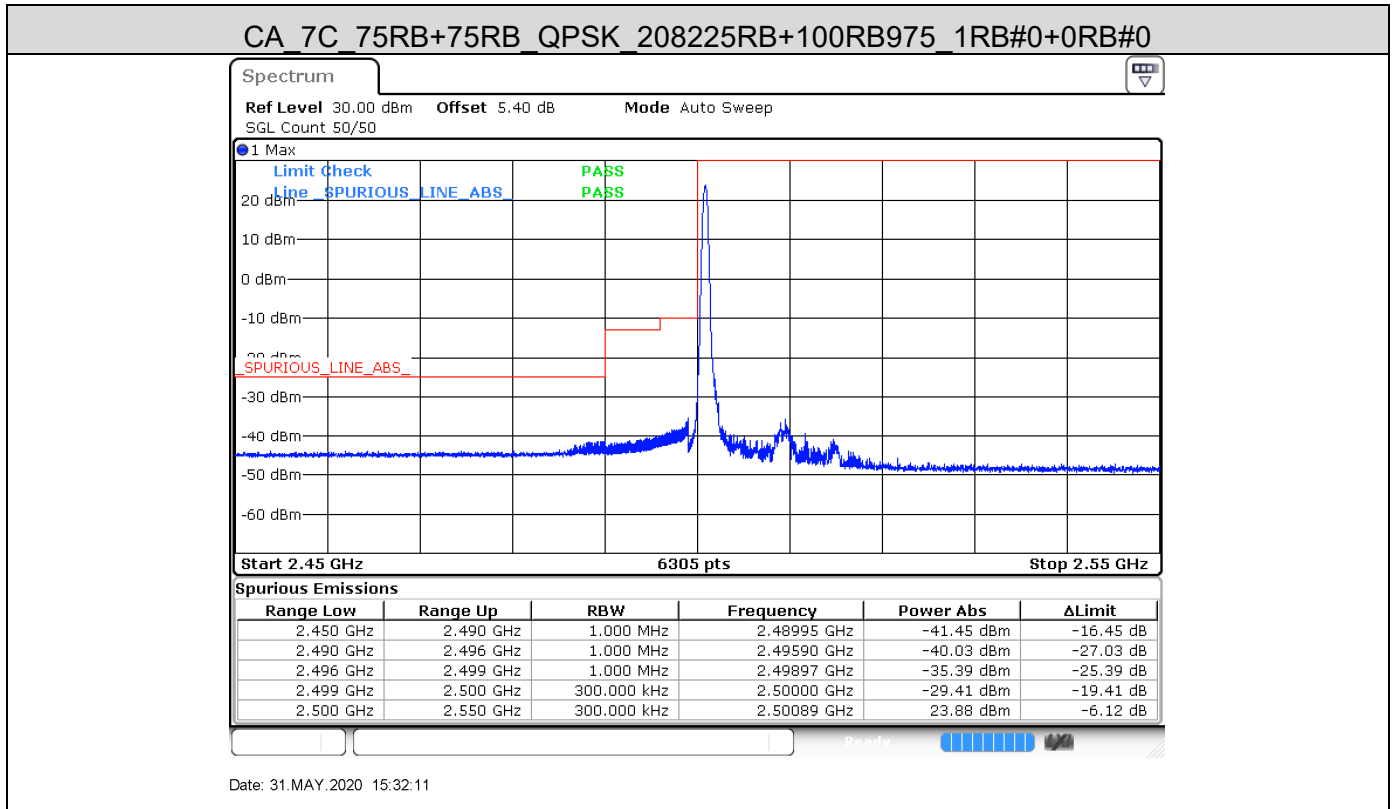




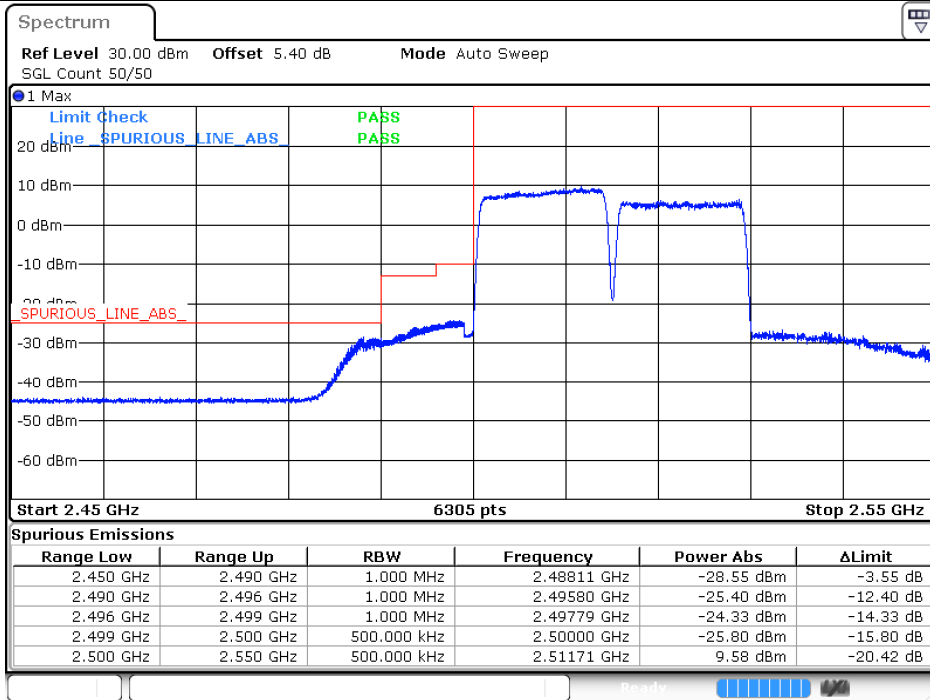
## 5. Band Edges Compliance

### 5.1. For LTE

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

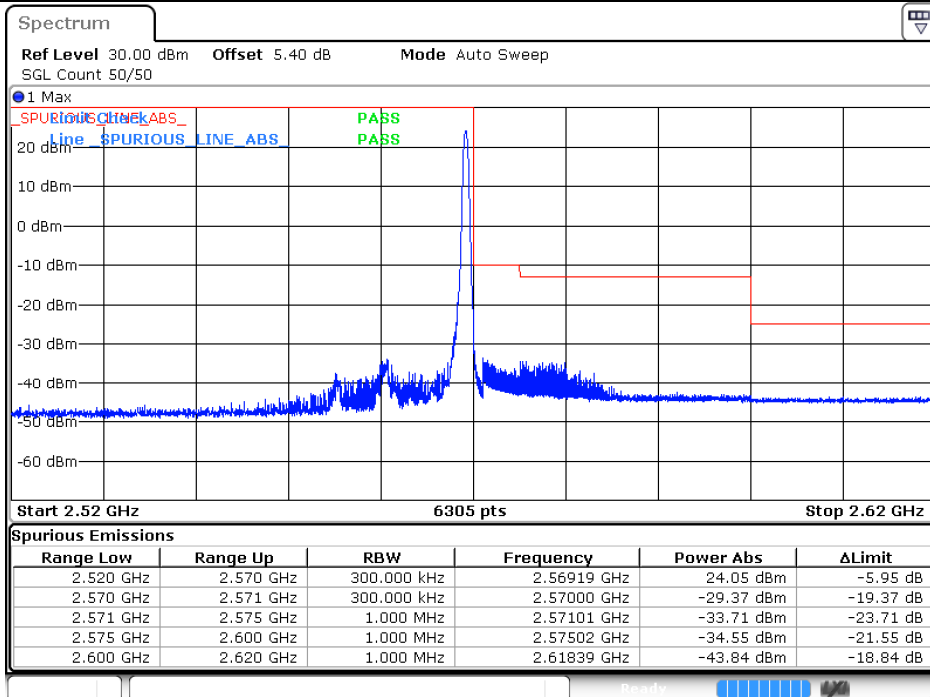


**CA 7C 75RB+75RB QPSK 208225RB+100RB975 75RB#0+75RB#0**



Date: 31.MAY.2020 15:33:57

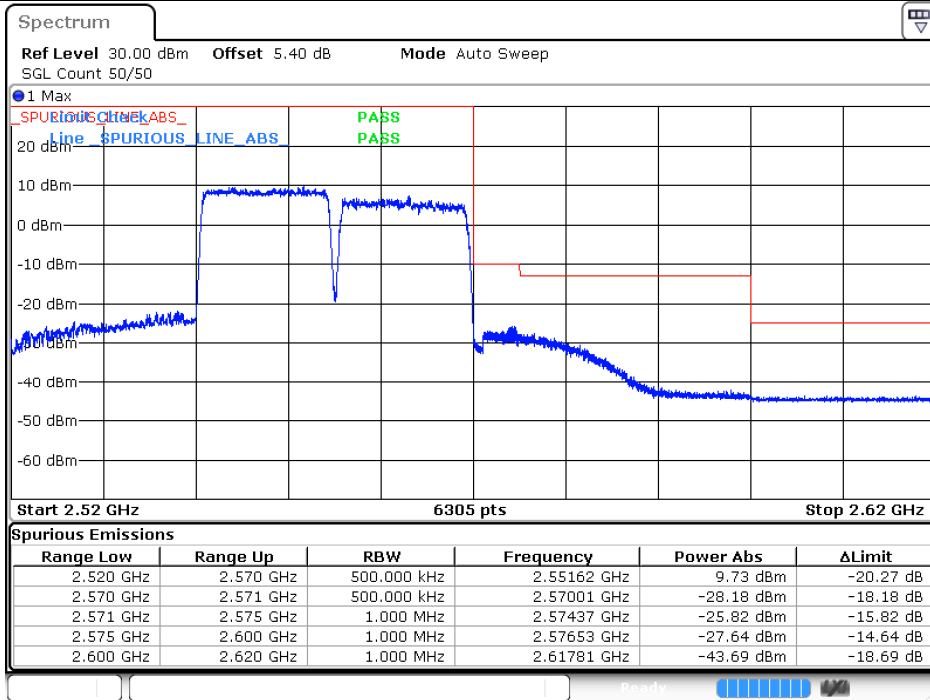
**CA 7C 75RB+75RB QPSK 21225+21375 0RB#0+1RB#74**



Date: 31.MAY.2020 15:35:30

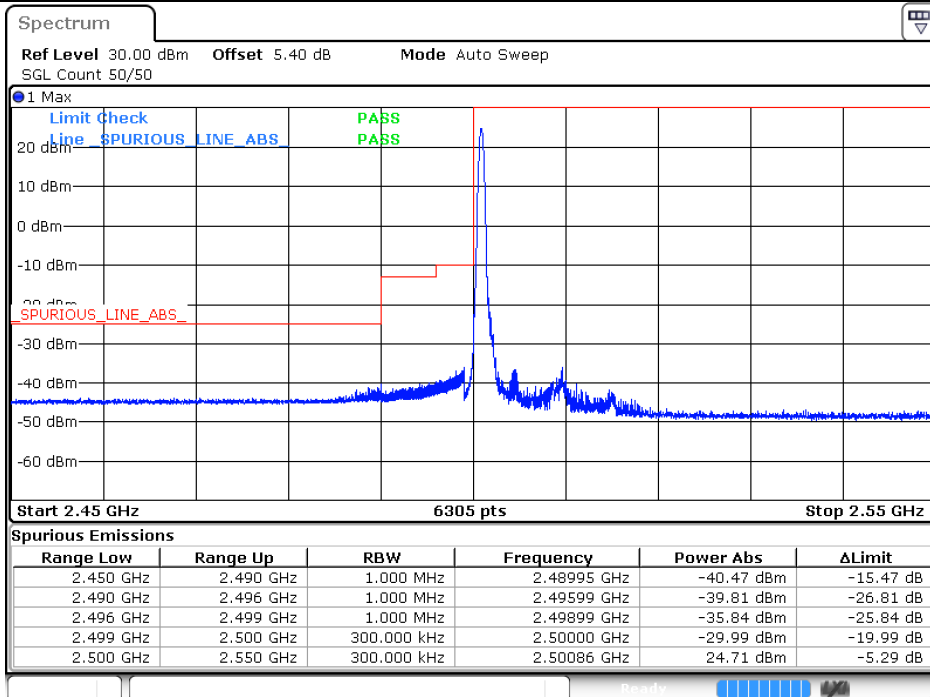


**CA 7C 75RB+75RB QPSK 21225+21375 75RB#0+75RB#0**



Date: 31.MAY.2020 15:36:37

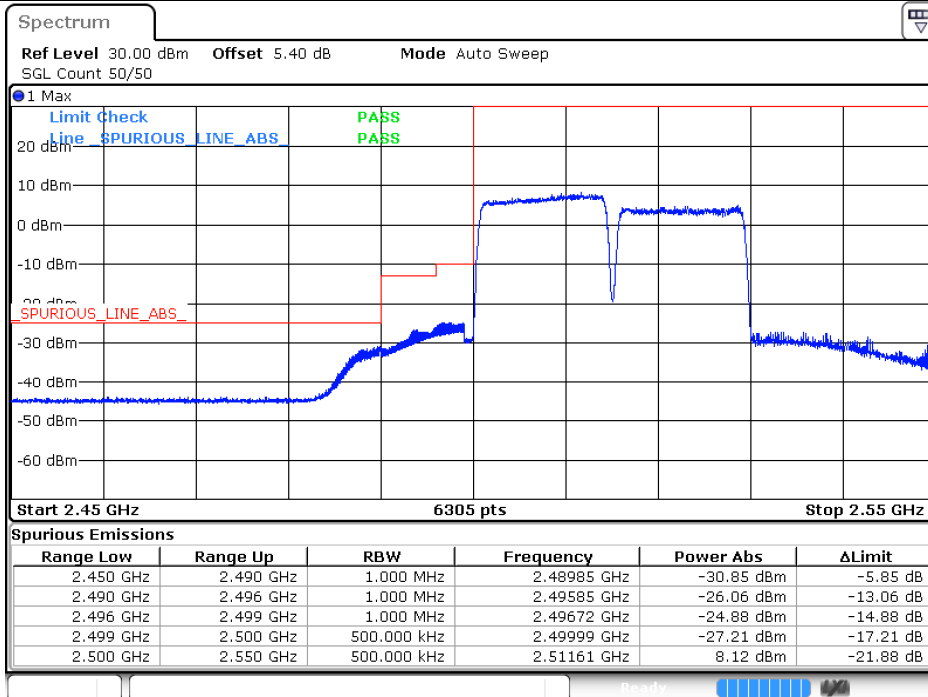
**CA 7C 75RB+75RB 16QAM 208225RB+100RB975 1RB#0+0RB#0**



Date: 31.MAY.2020 15:32:39

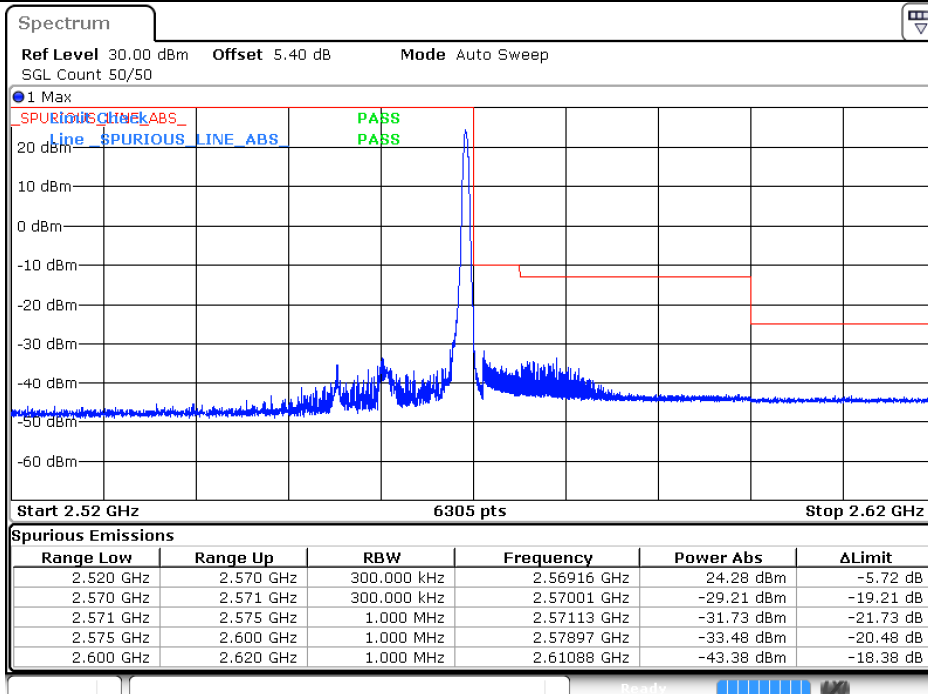


**CA 7C 75RB+75RB 16QAM 208225RB+100RB975 75RB#0+75RB#0**



Date: 31.MAY.2020 15:34:26

**CA 7C 75RB+75RB 16QAM 21225+21375 0RB#0+1RB#74**

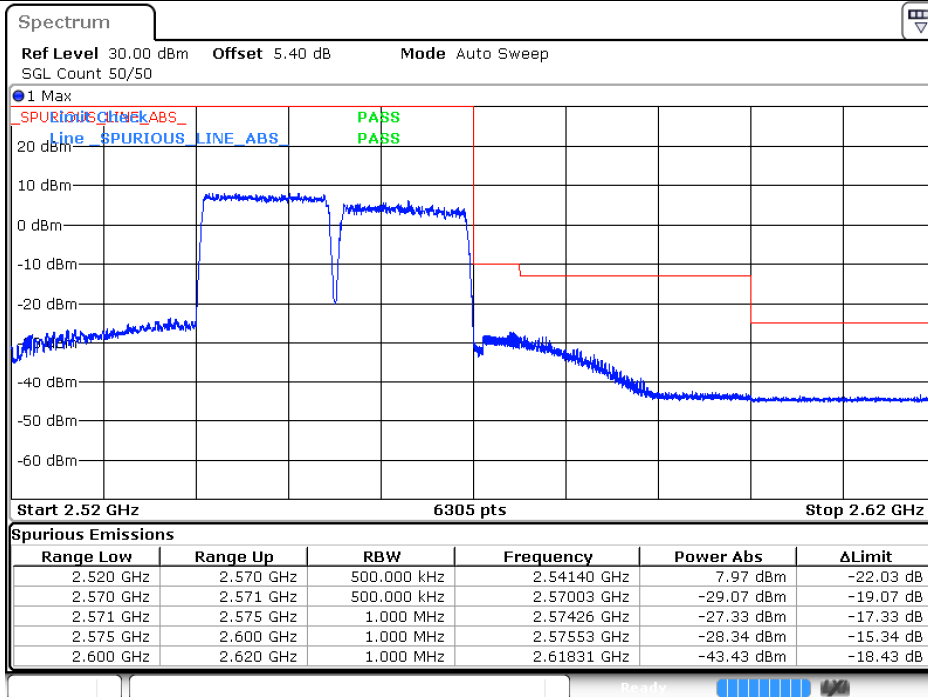


Date: 31.MAY.2020 15:35:45



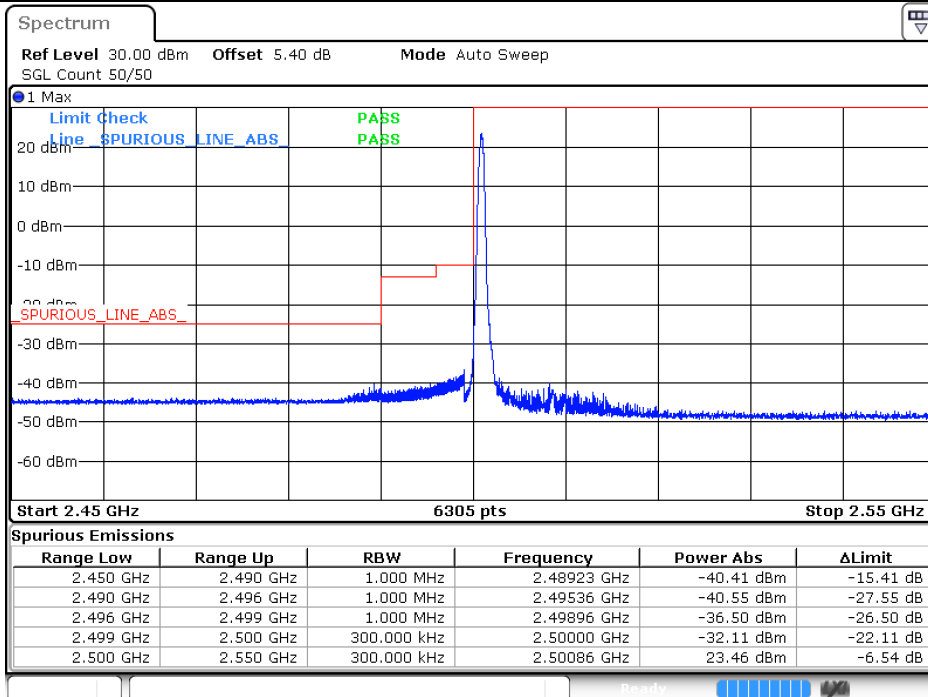


**CA 7C 75RB+75RB 16QAM 21225+21375 75RB#0+75RB#0**



Date: 31.MAY.2020 15:36:52

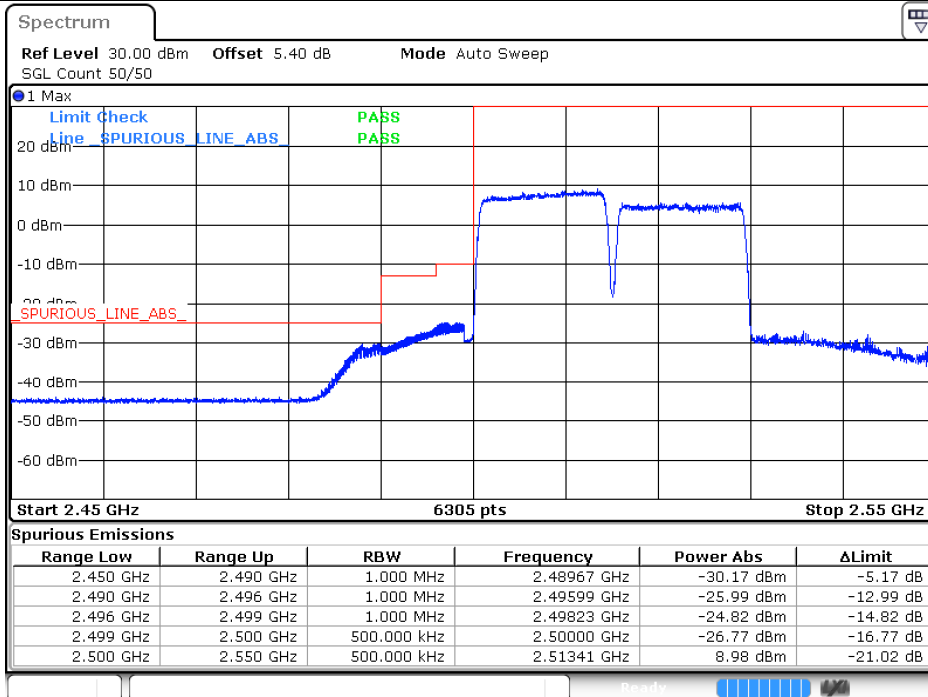
**CA 7C 75RB+75RB 64QAM 208225RB+100RB975 1RB#0+0RB#0**



Date: 31.MAY.2020 15:33:08

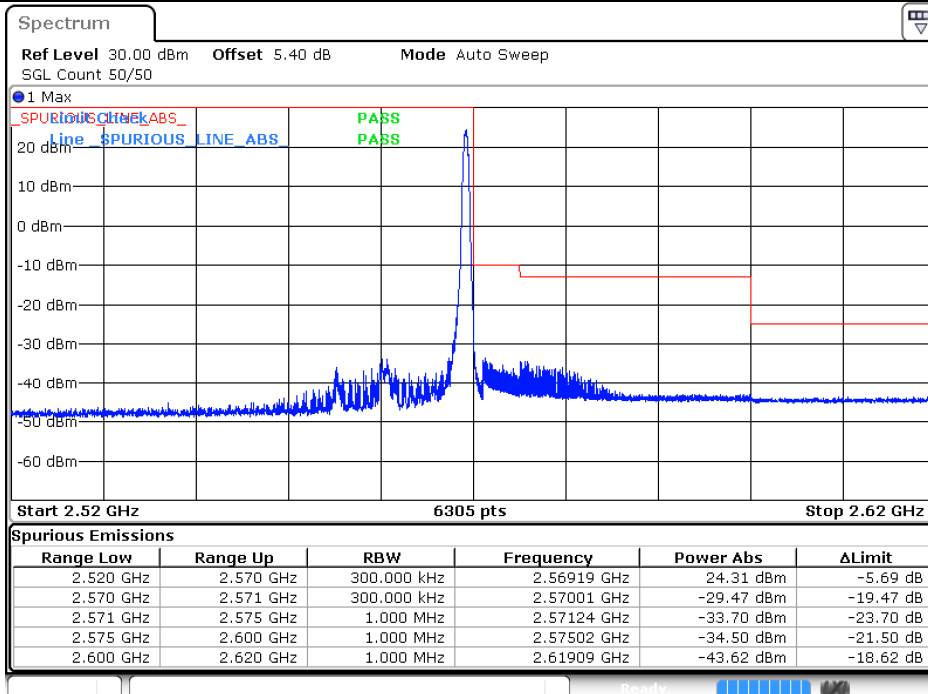


CA 7C 75RB+75RB 64QAM 208225RB+100RB975 75RB#0+75RB#0



Date: 31.MAY.2020 15:34:54

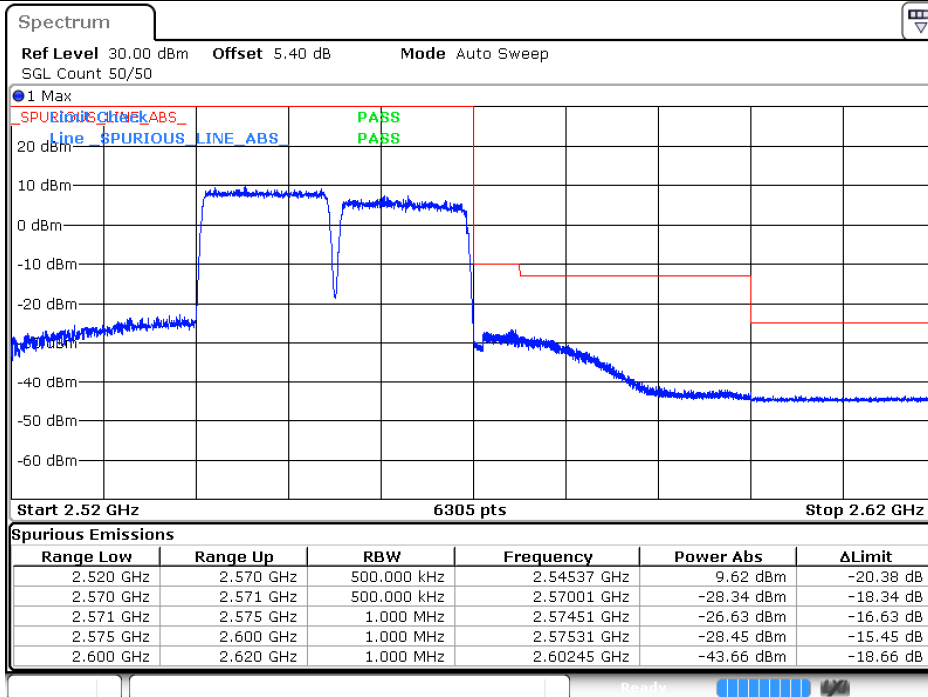
CA 7C 75RB+75RB 64QAM 21225+21375 0RB#0+1RB#74



Date: 31.MAY.2020 15:36:01

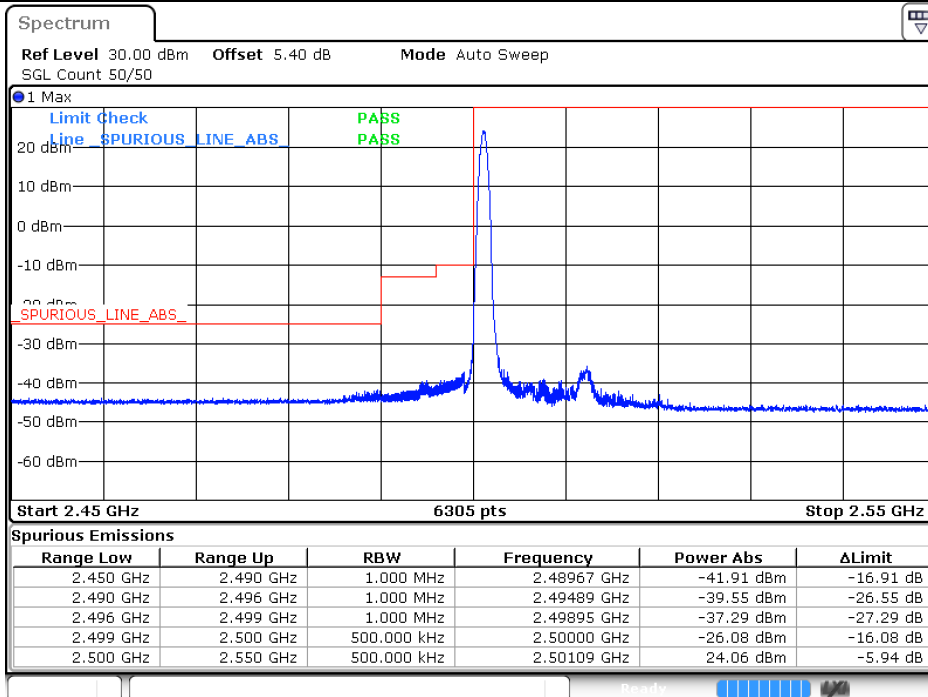


**CA 7C 75RB+75RB 64QAM 21225+21375 75RB#0+75RB#0**



Date: 31.MAY.2020 15:37:07

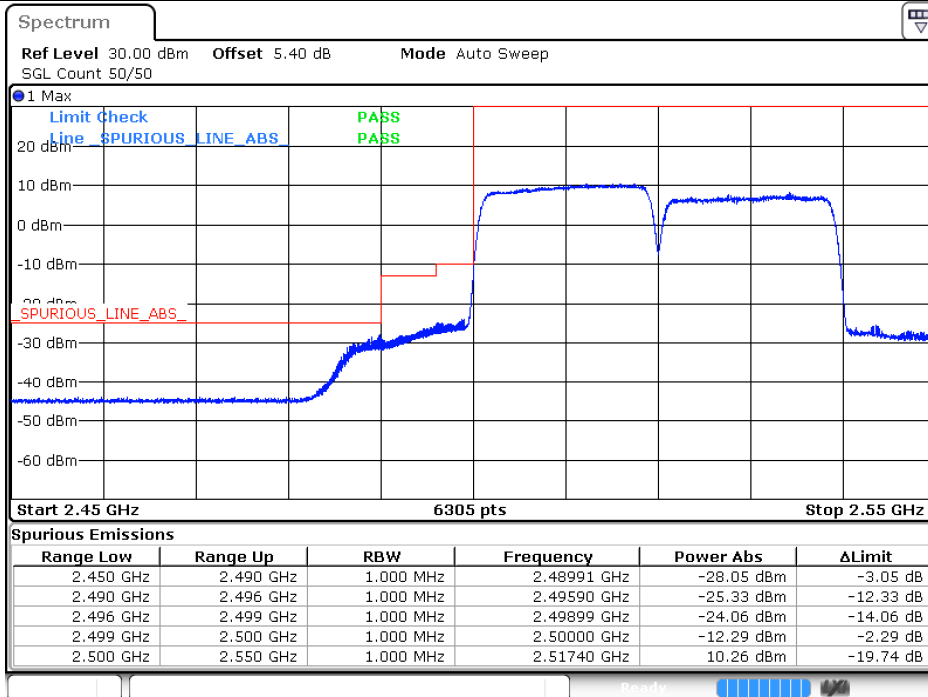
**CA 7C 100RB+100RB QPSK 20850+21048 1RB#0+0RB#0**



Date: 31.MAY.2020 15:37:57

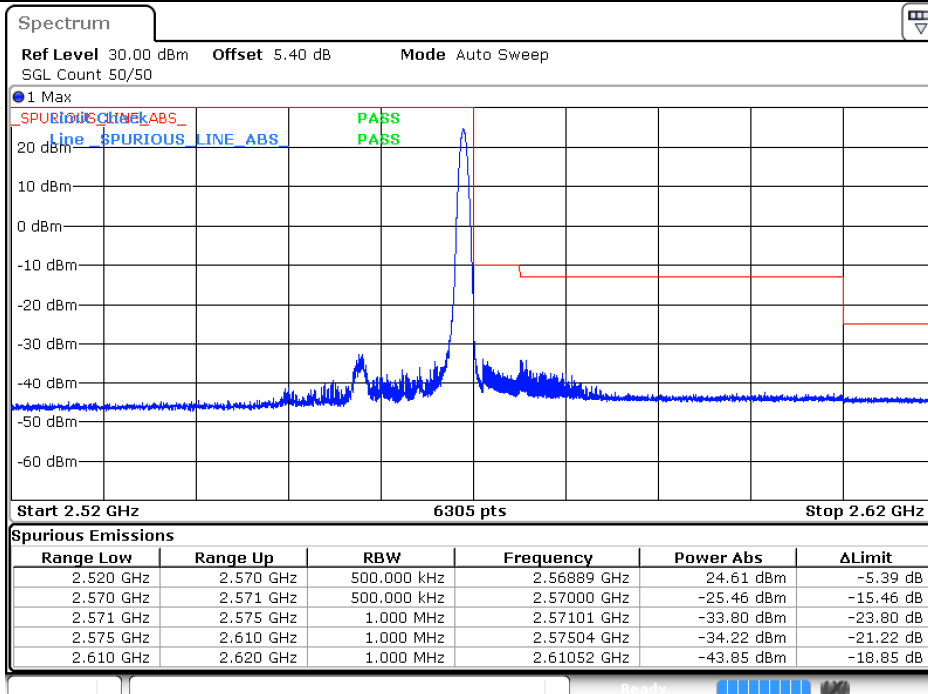


**CA 7C 100RB+100RB QPSK 20850+21048 100RB#0+100RB#0**



Date: 31.MAY.2020 15:39:44

**CA 7C 100RB+100RB QPSK 21152+21350 0RB#0+1RB#99**

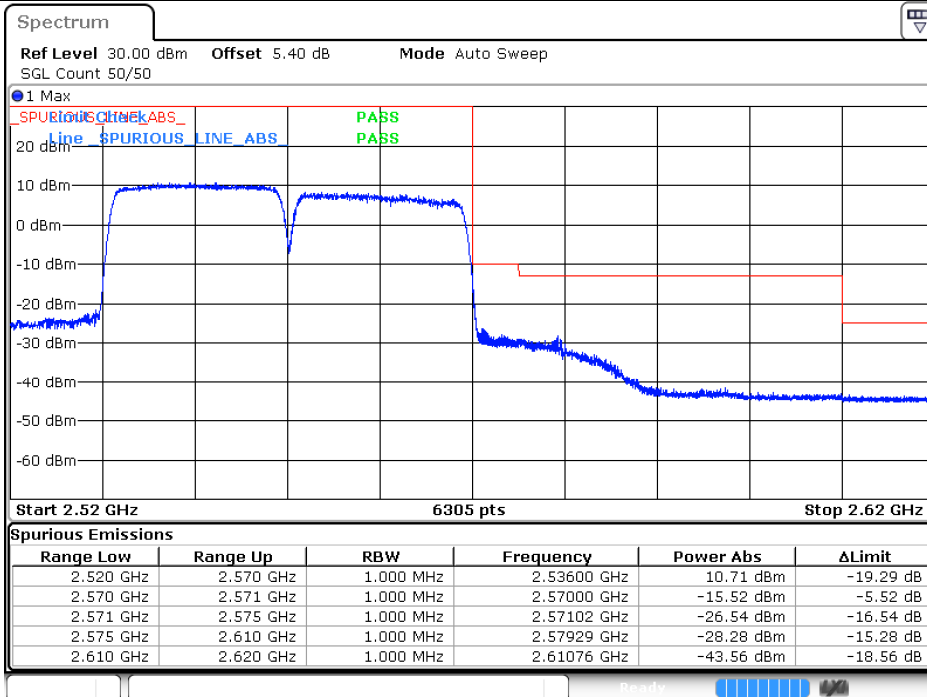


Date: 31.MAY.2020 15:41:17



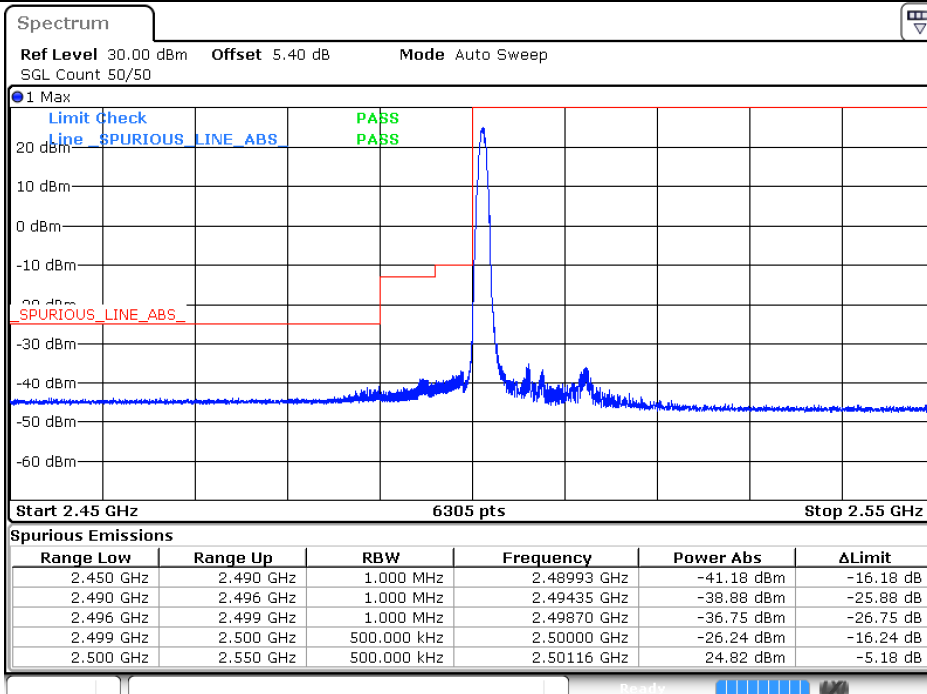


**CA 7C 100RB+100RB QPSK 21152+21350 100RB#0+100RB#0**



Date: 31.MAY.2020 15:42:24

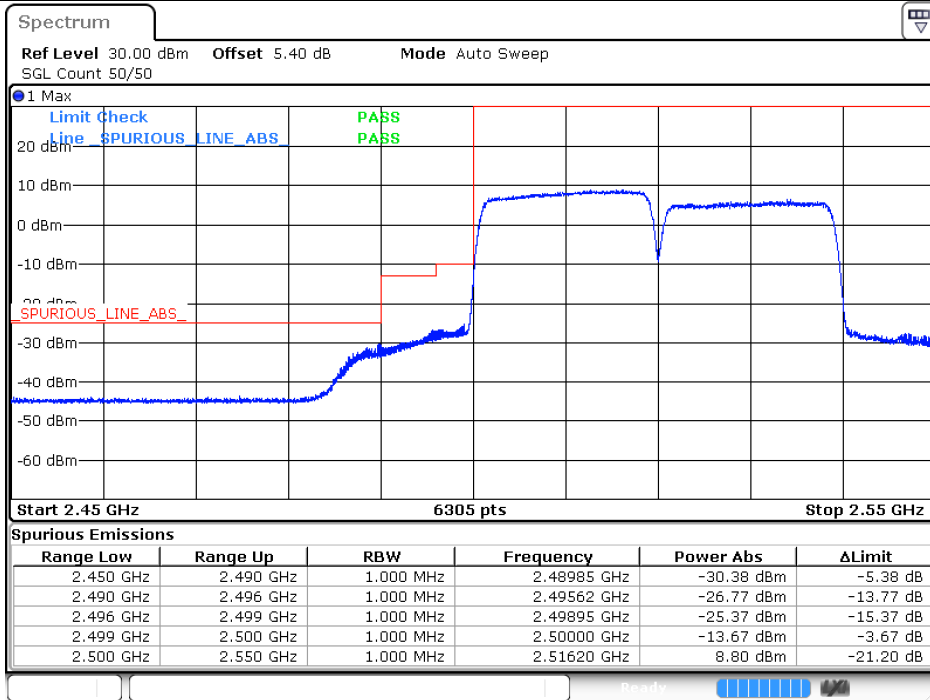
**CA 7C 100RB+100RB 16QAM 20850+21048 1RB#0+0RB#0**



Date: 31.MAY.2020 15:38:26

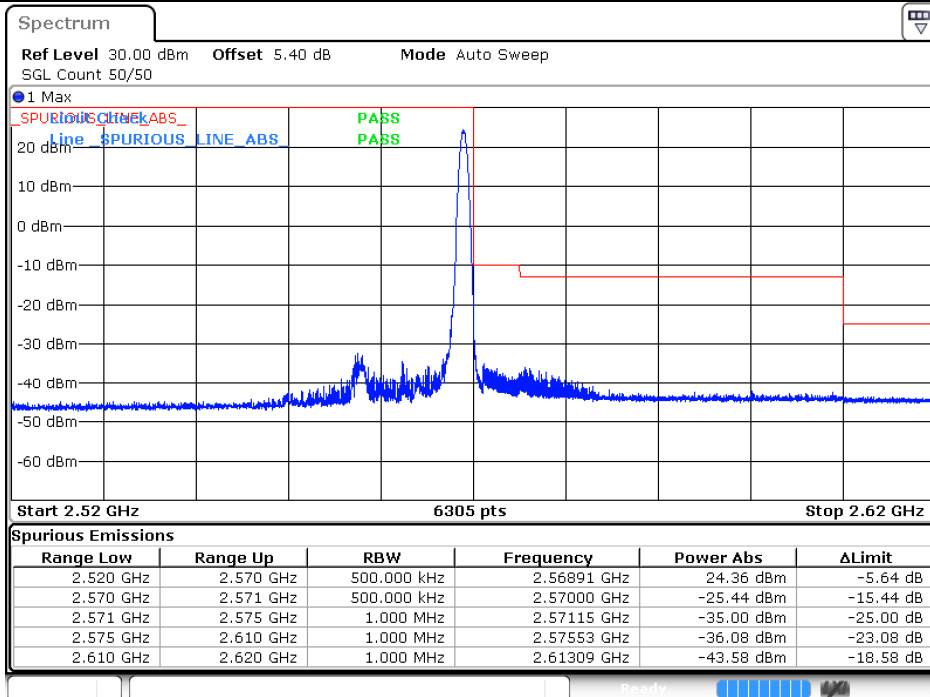


**CA 7C 100RB+100RB 16QAM 20850+21048 100RB#0+100RB#0**



Date: 31.MAY.2020 15:40:12

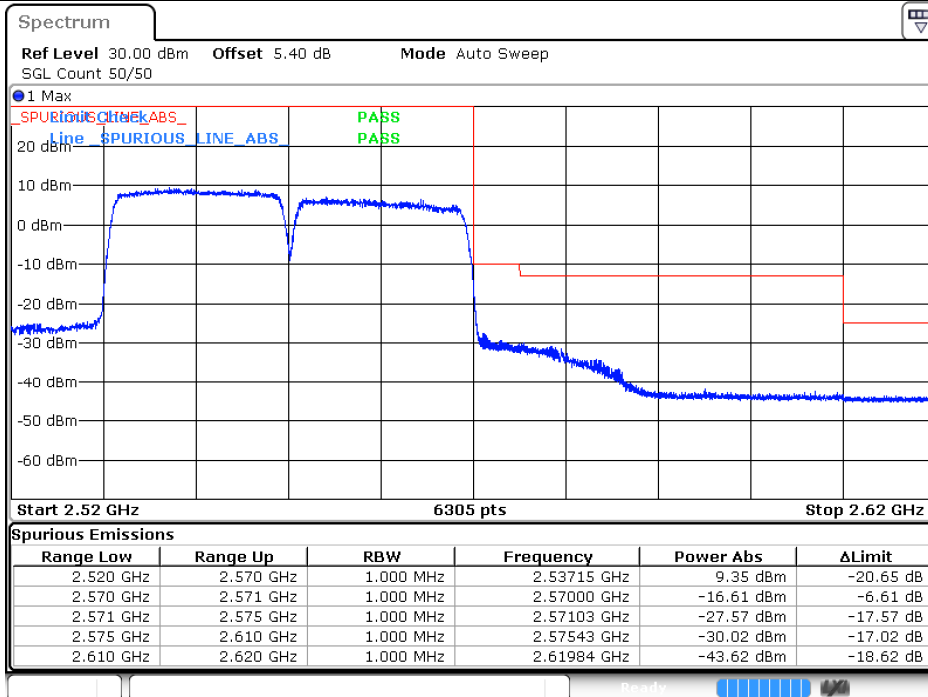
**CA 7C 100RB+100RB 16QAM 21152+21350 0RB#0+1RB#99**



Date: 31.MAY.2020 15:41:32

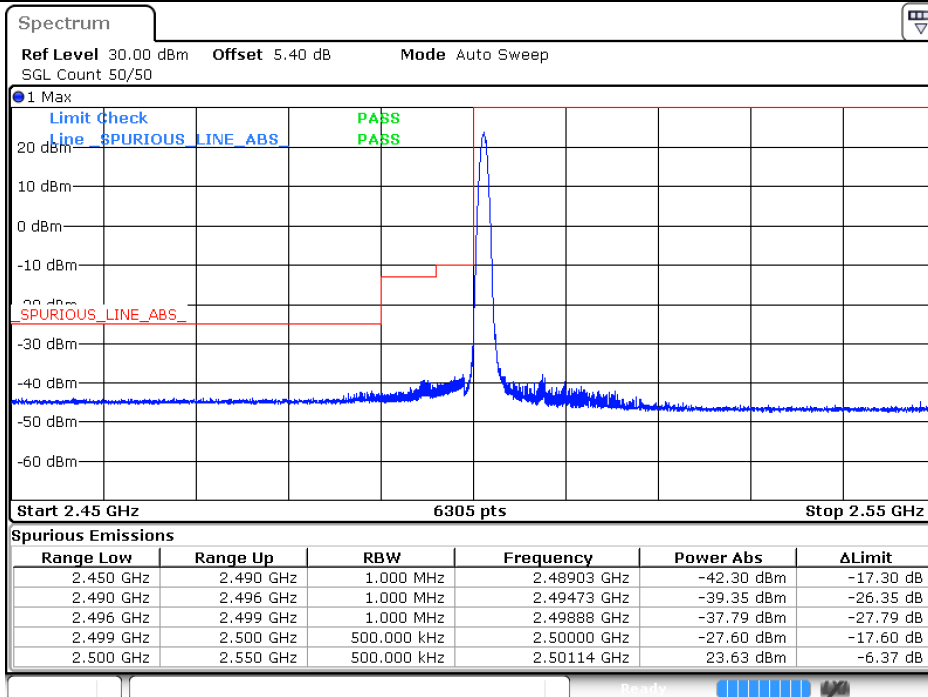


**CA 7C 100RB+100RB 16QAM 21152+21350 100RB#0+100RB#0**



Date: 31.MAY.2020 15:42:39

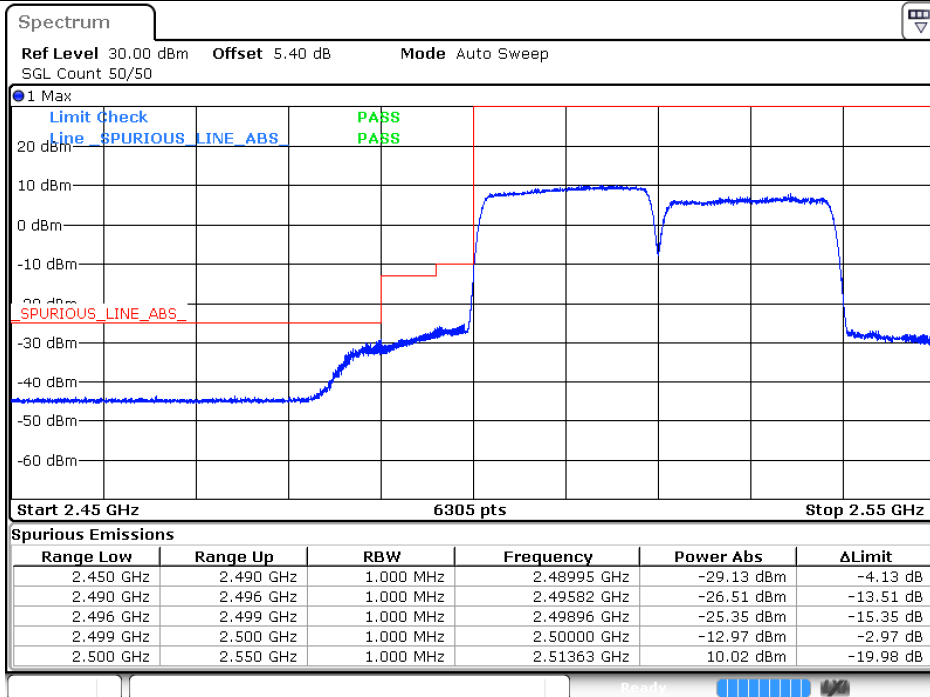
**CA 7C 100RB+100RB 64QAM 20850+21048 1RB#0+0RB#0**



Date: 31.MAY.2020 15:38:54

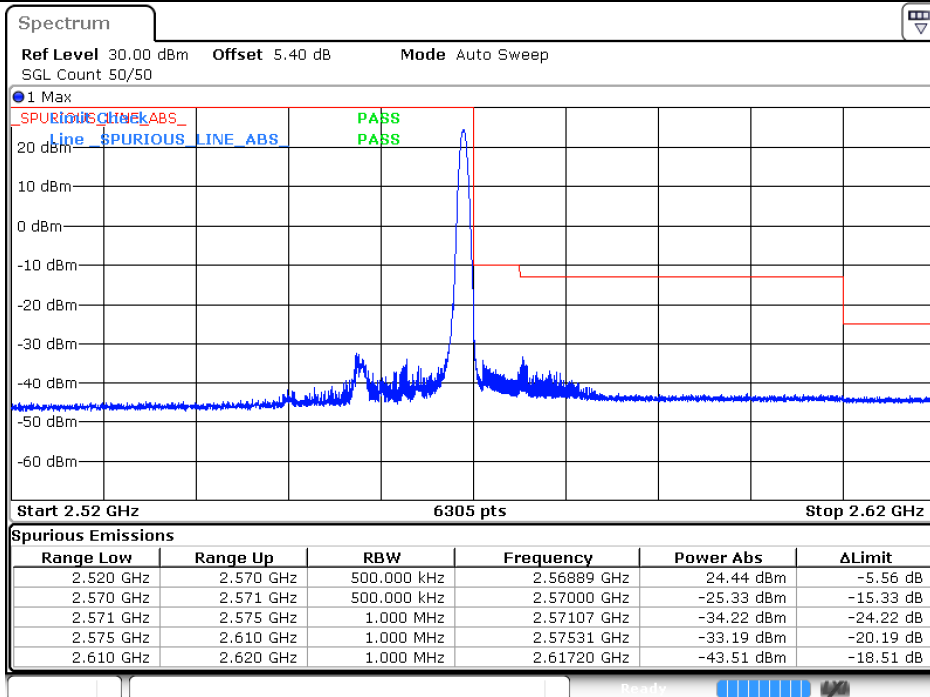


**CA 7C 100RB+100RB 64QAM 20850+21048 100RB#0+100RB#0**



Date: 31.MAY.2020 15:40:41

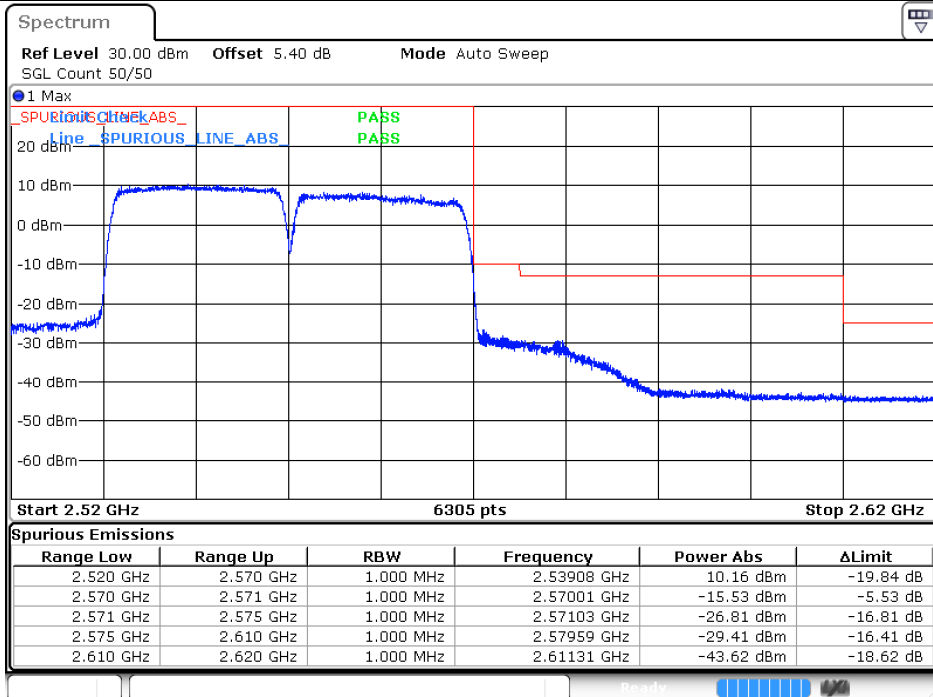
**CA 7C 100RB+100RB 64QAM 21152+21350 0RB#0+1RB#99**



Date: 31.MAY.2020 15:41:48



CA 7C 100RB+100RB 64QAM 21152+21350 100RB#0+100RB#0



Date: 31.MAY.2020 15:42:55





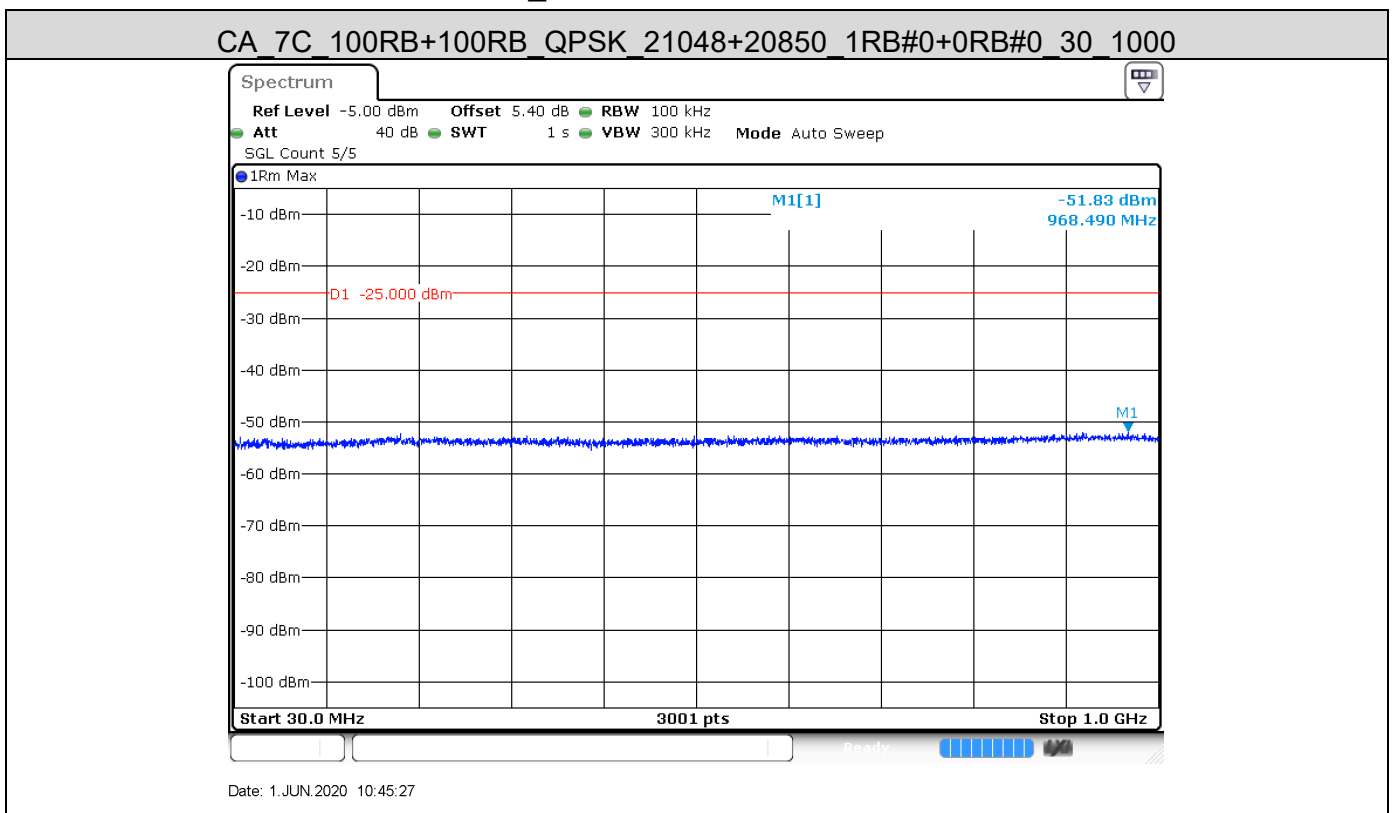
## 6. Spurious Emission at Antenna Terminal

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

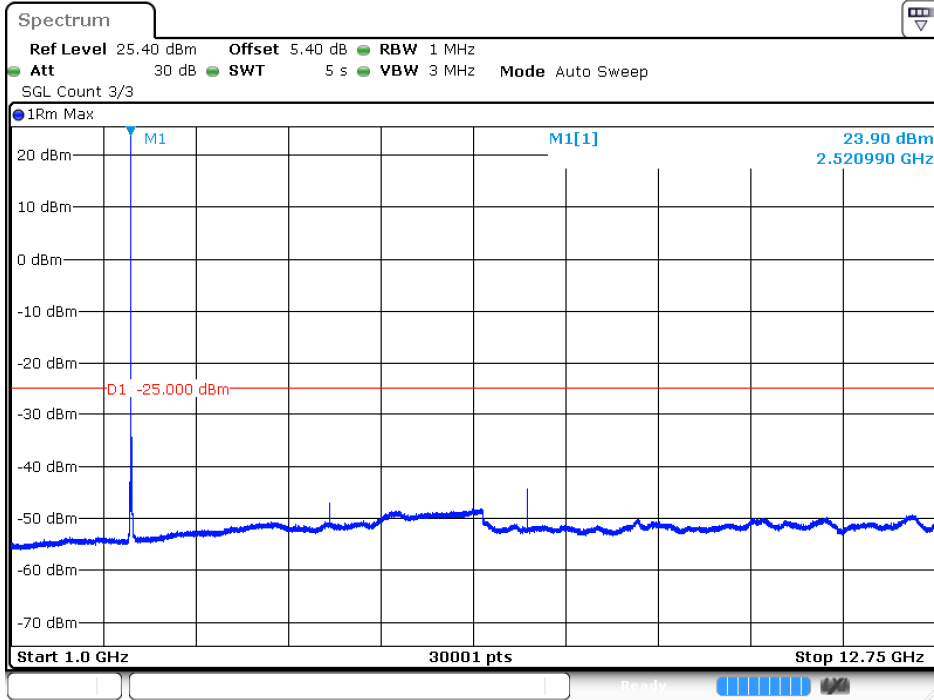
#### 1.1.5 Test Band = LTE Band CA\_7C



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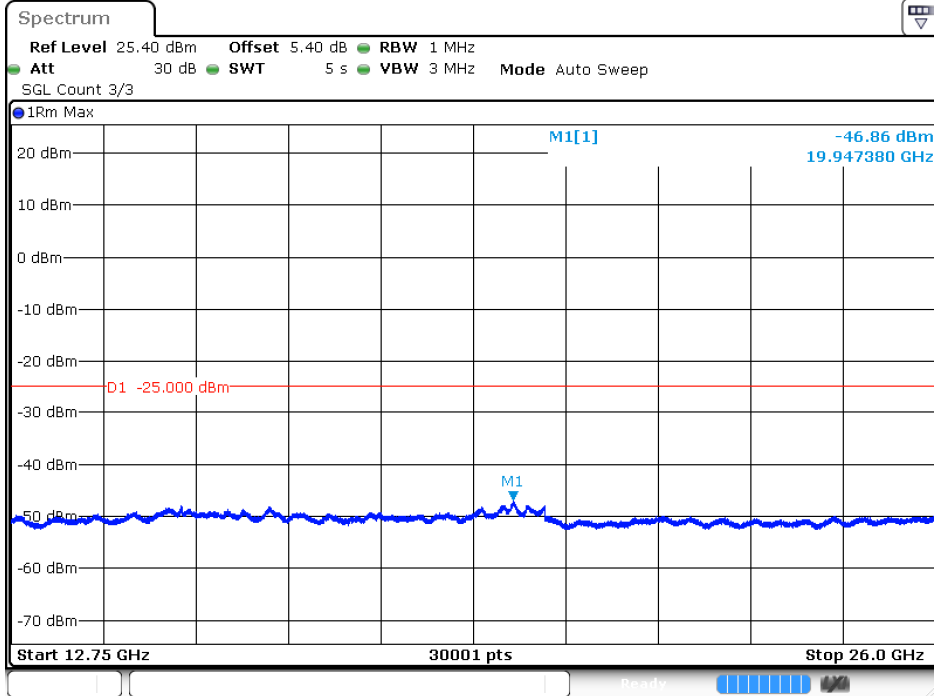
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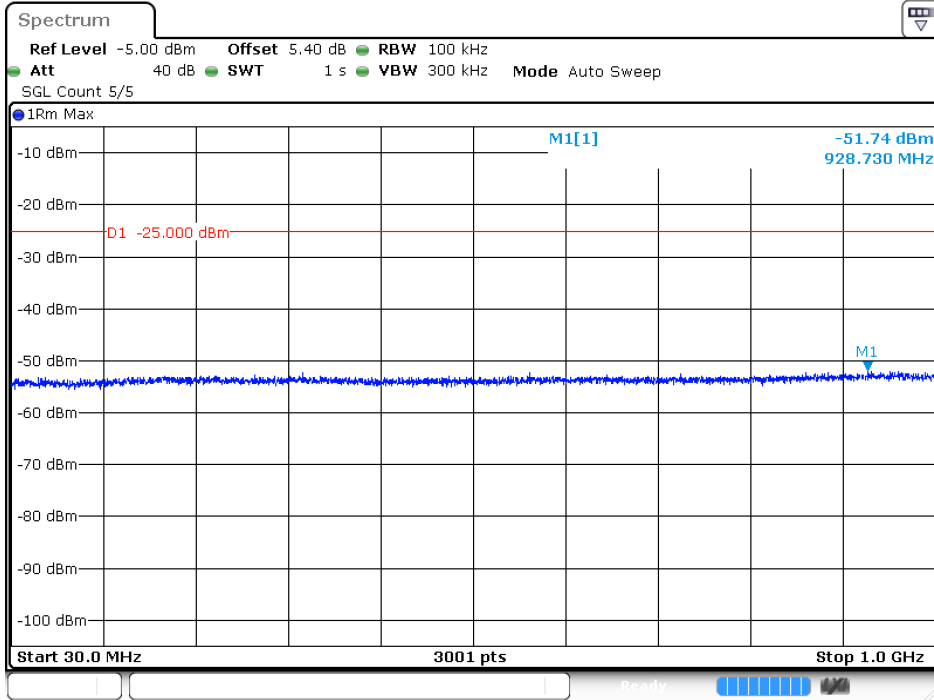


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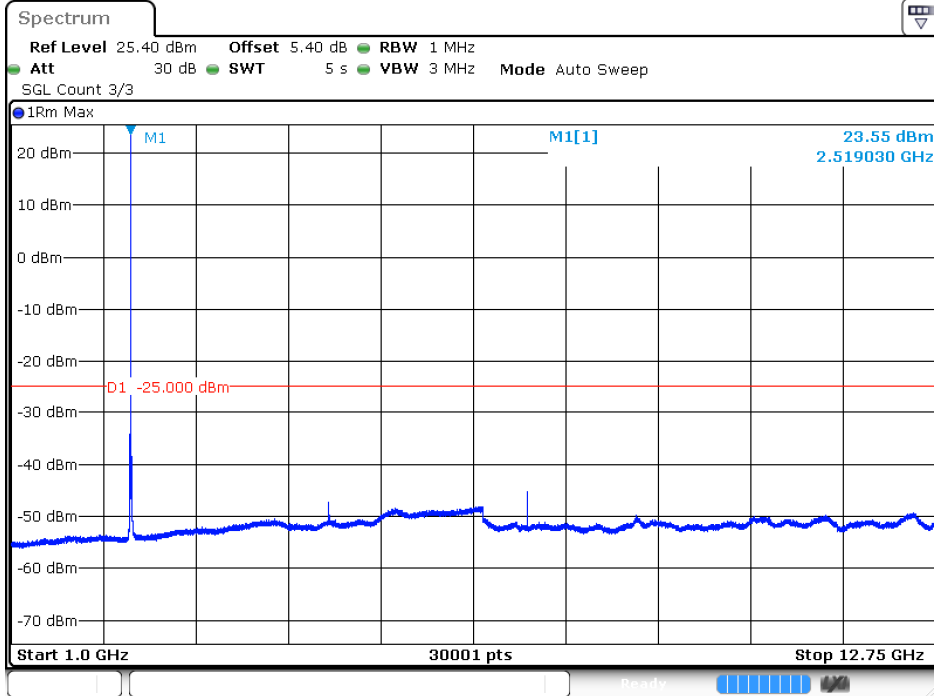
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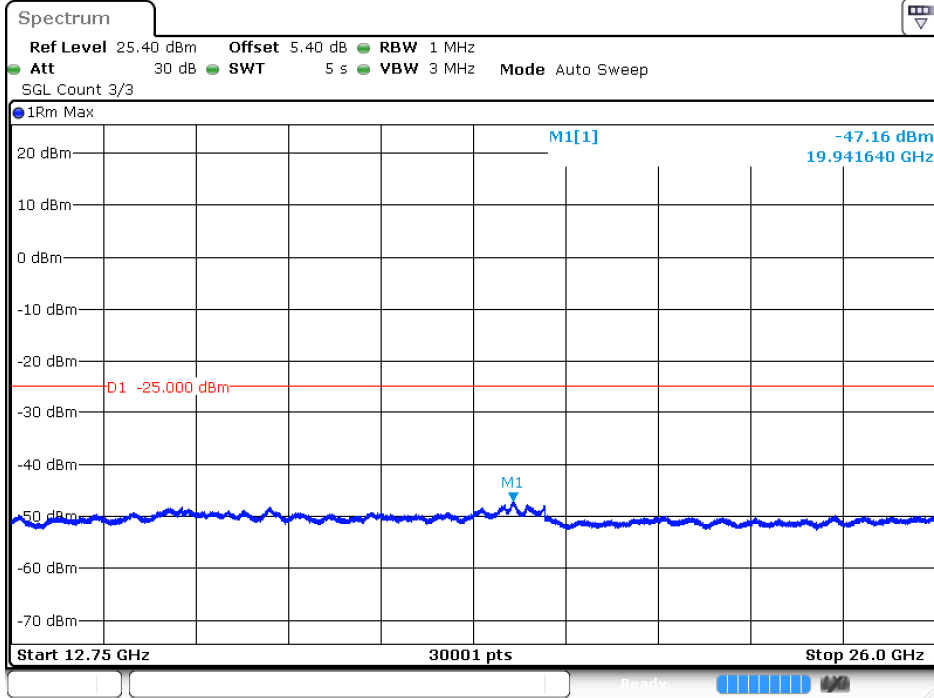


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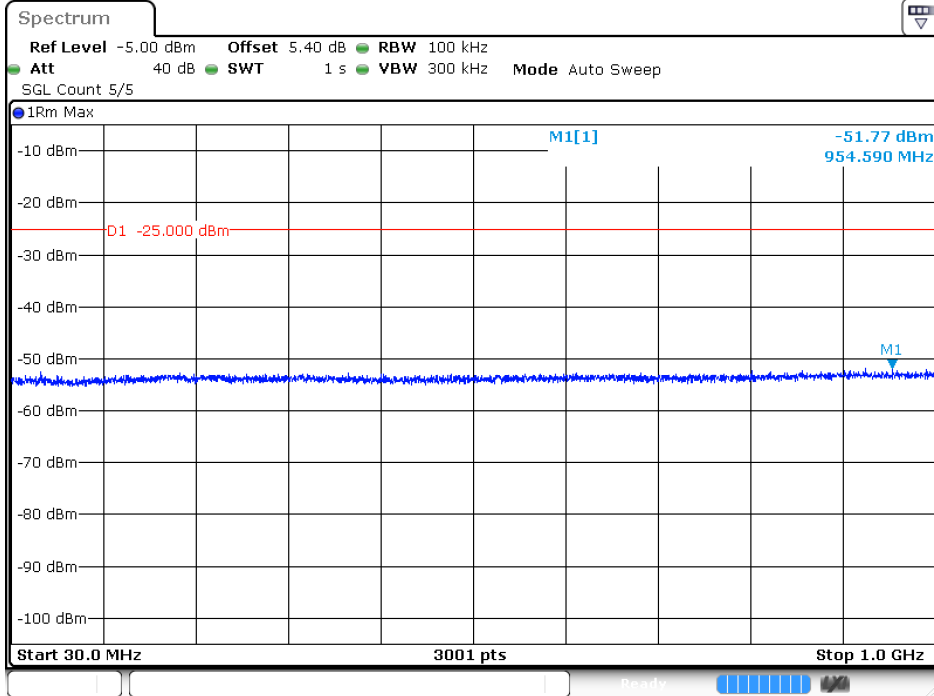
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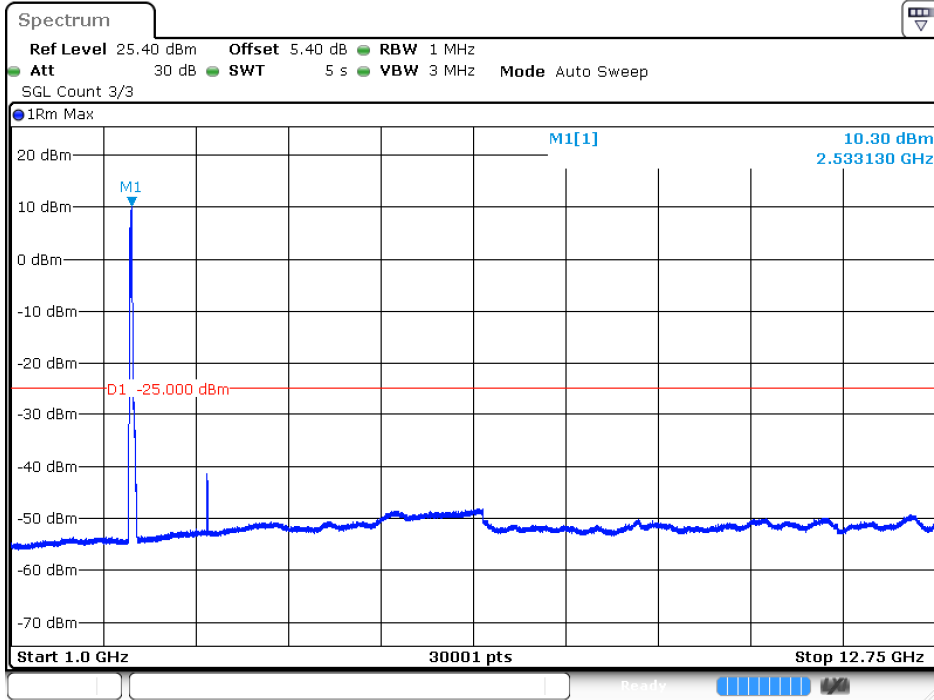
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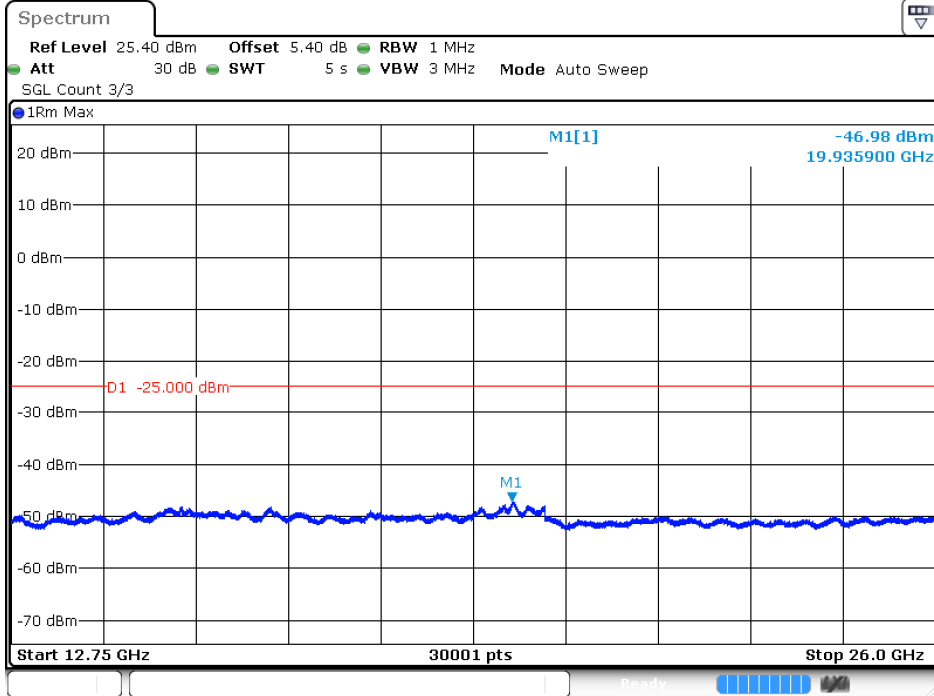
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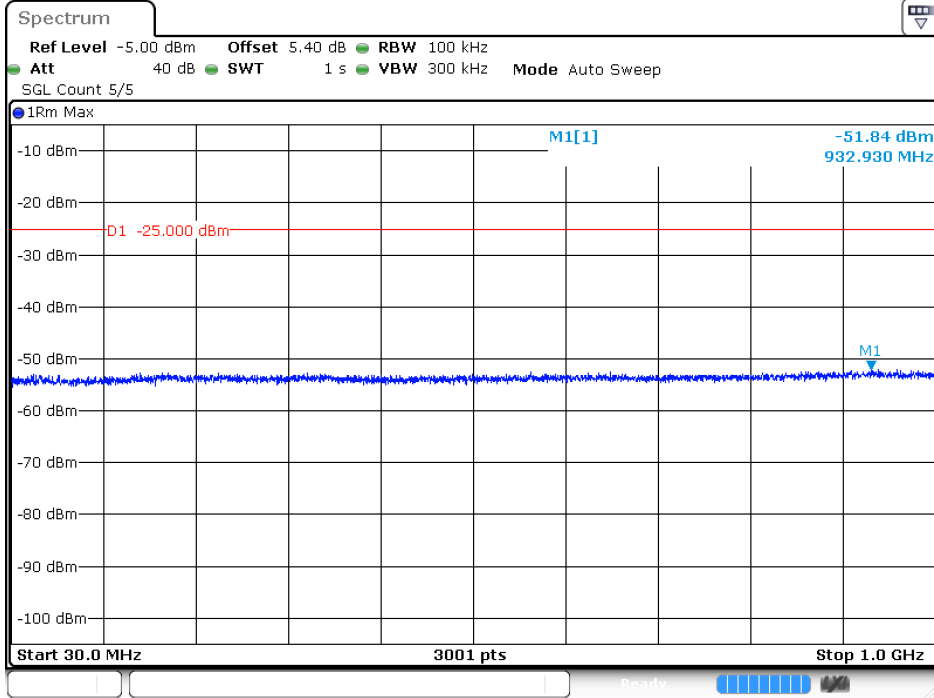


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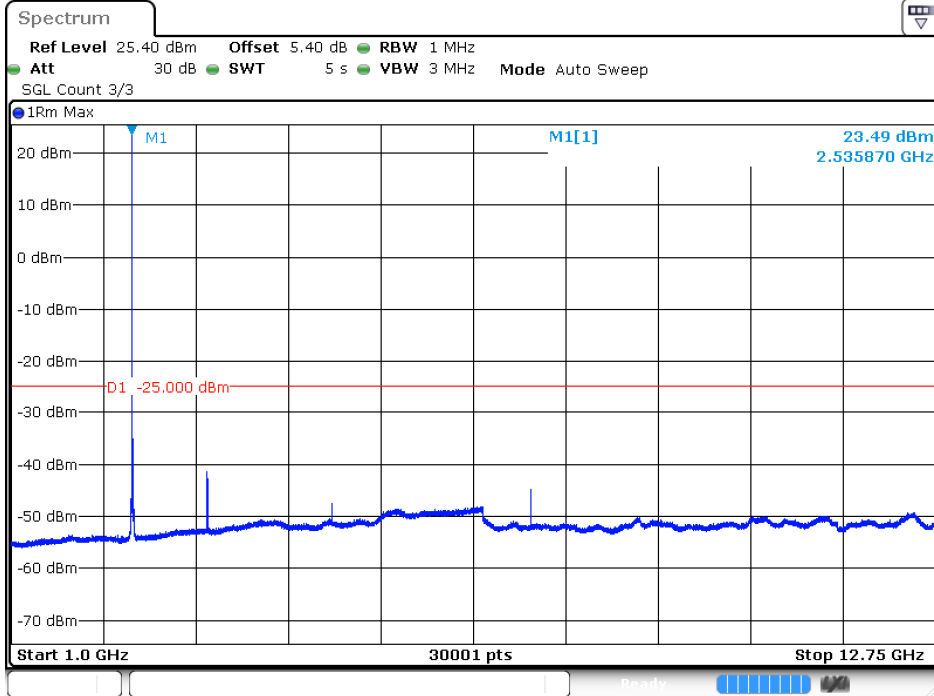


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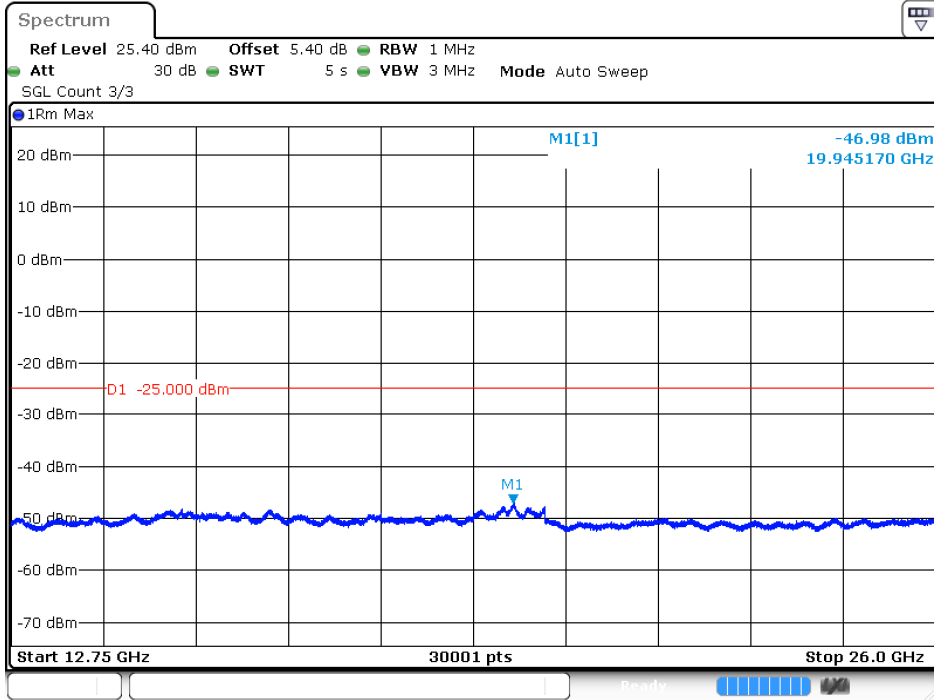
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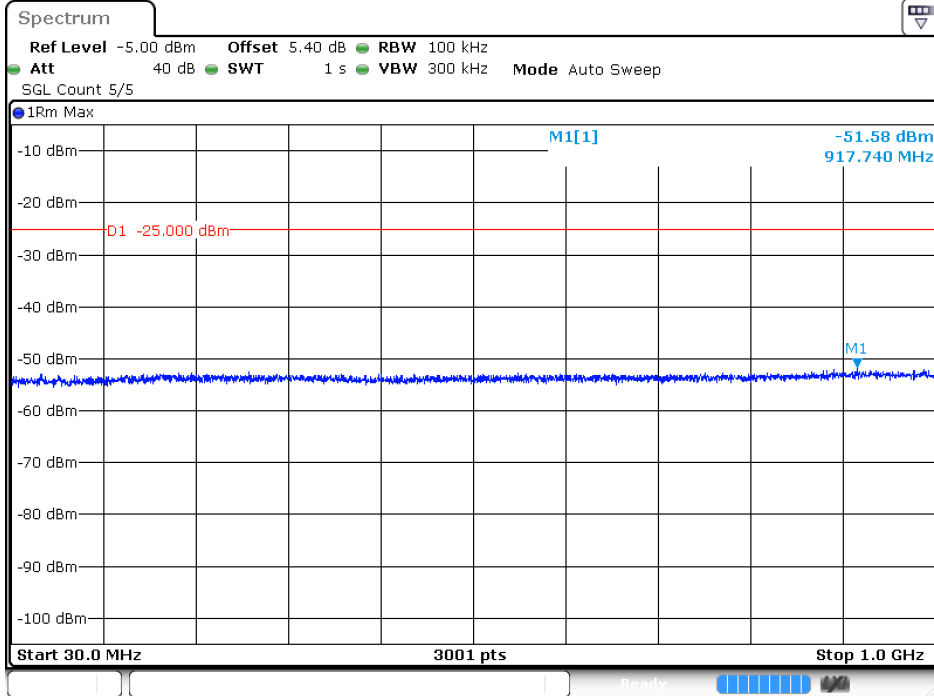
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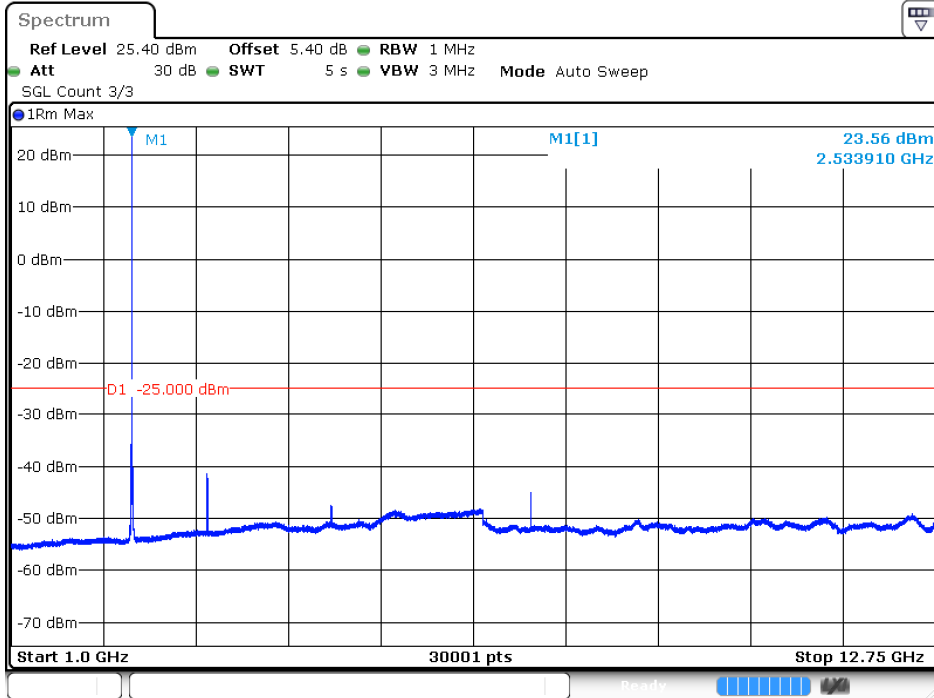
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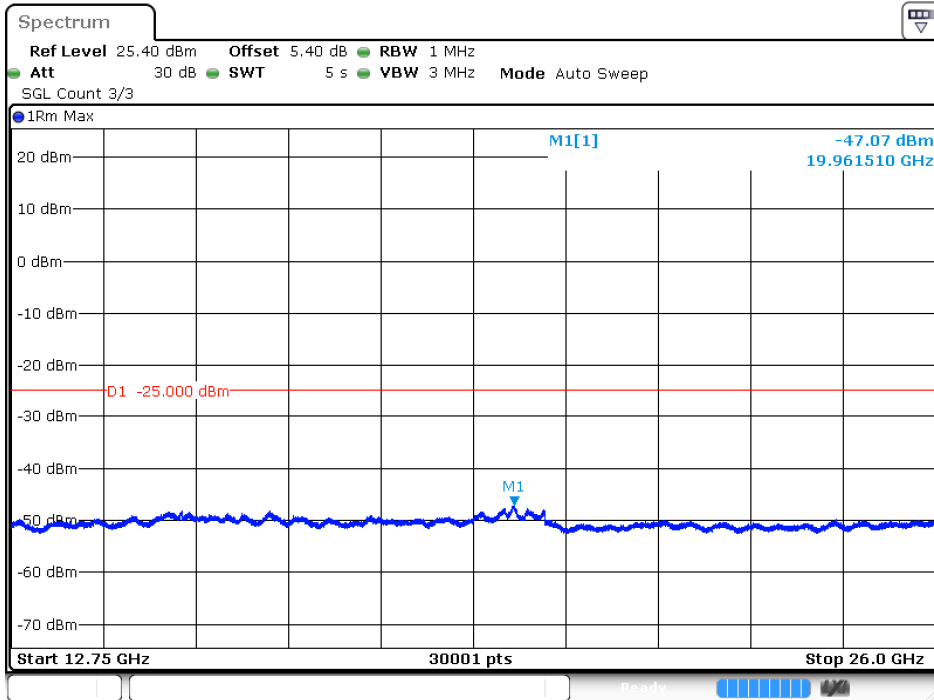
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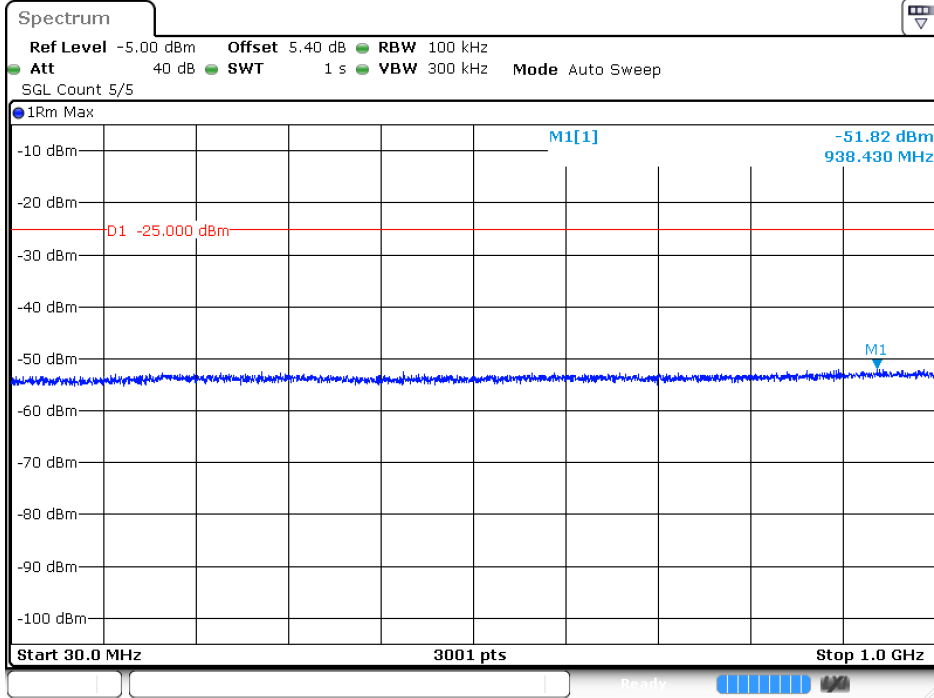


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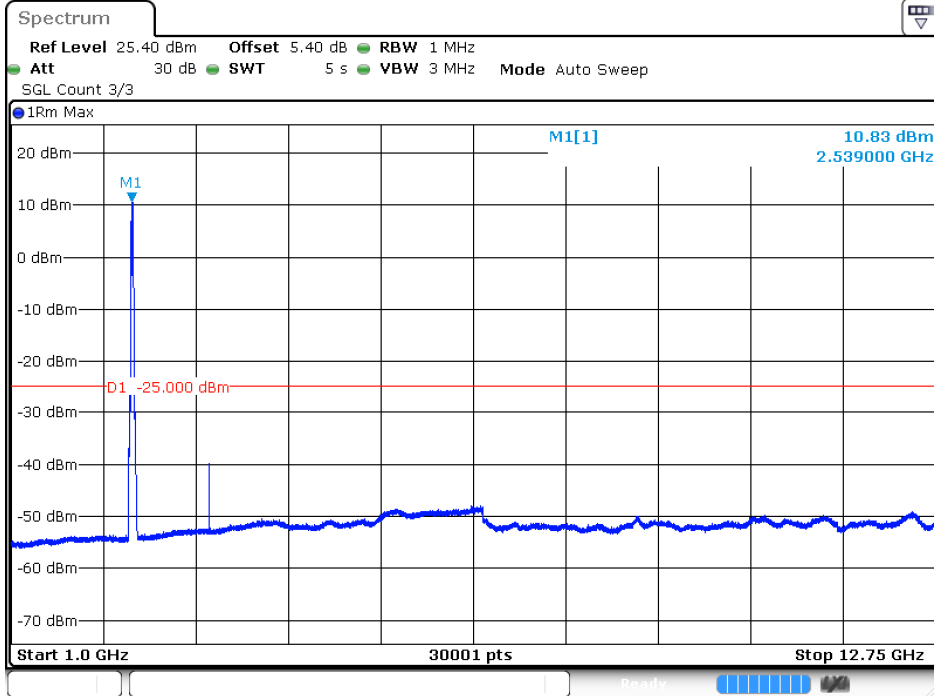
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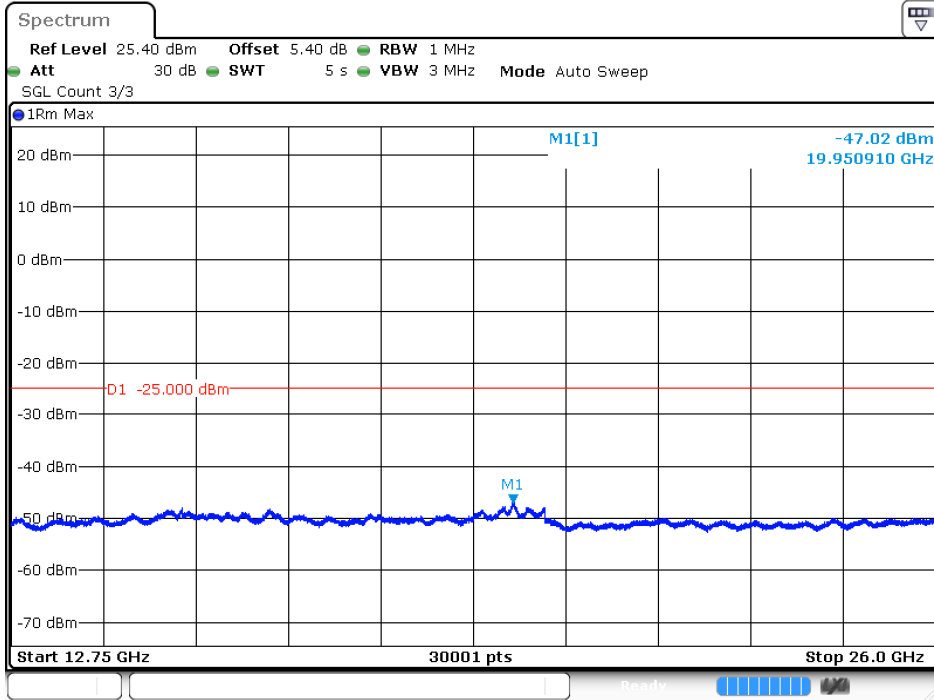
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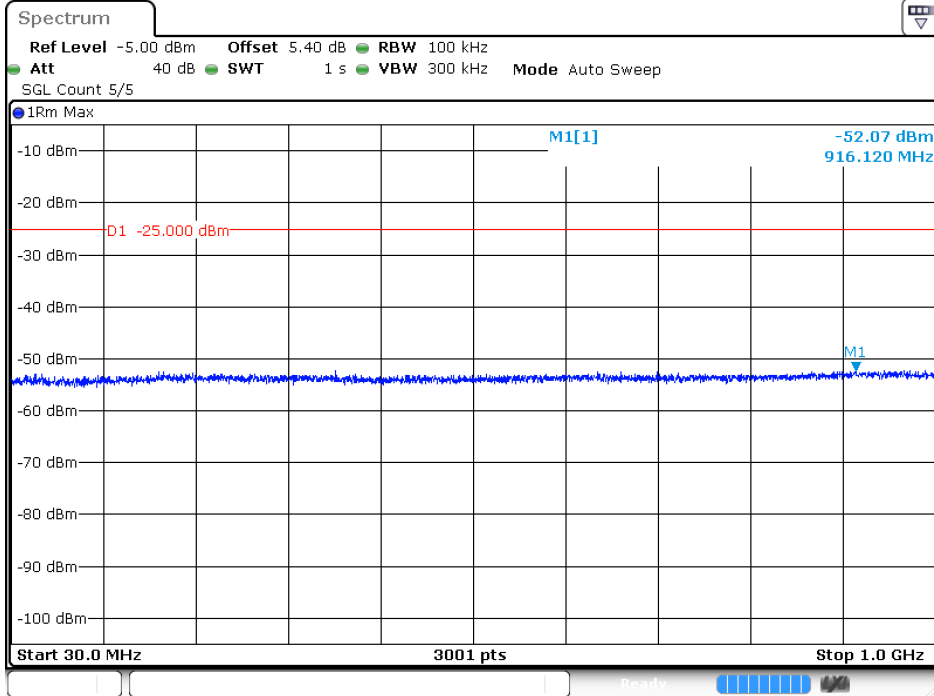


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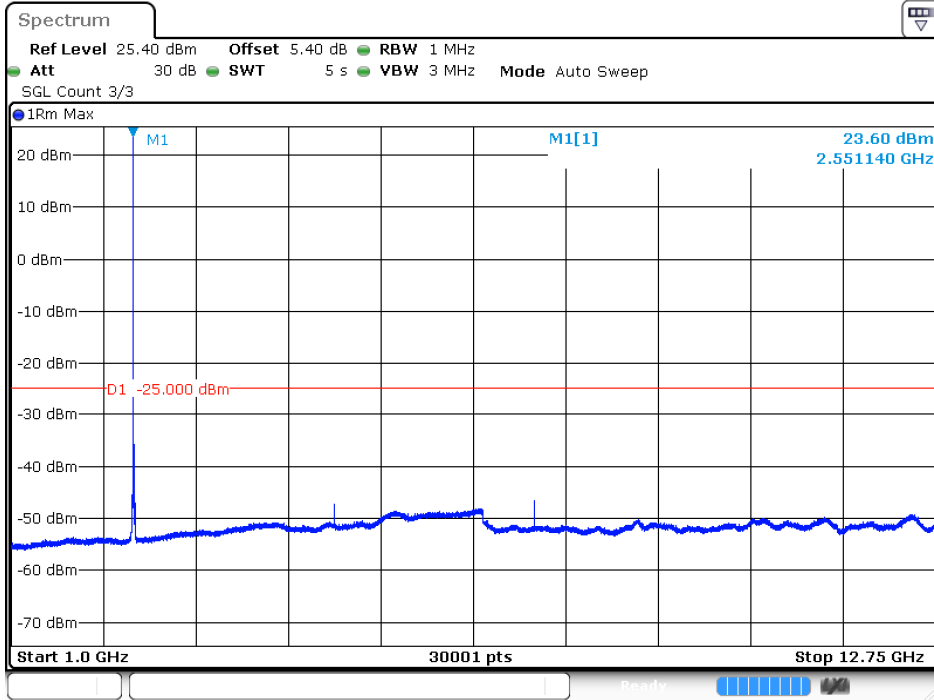
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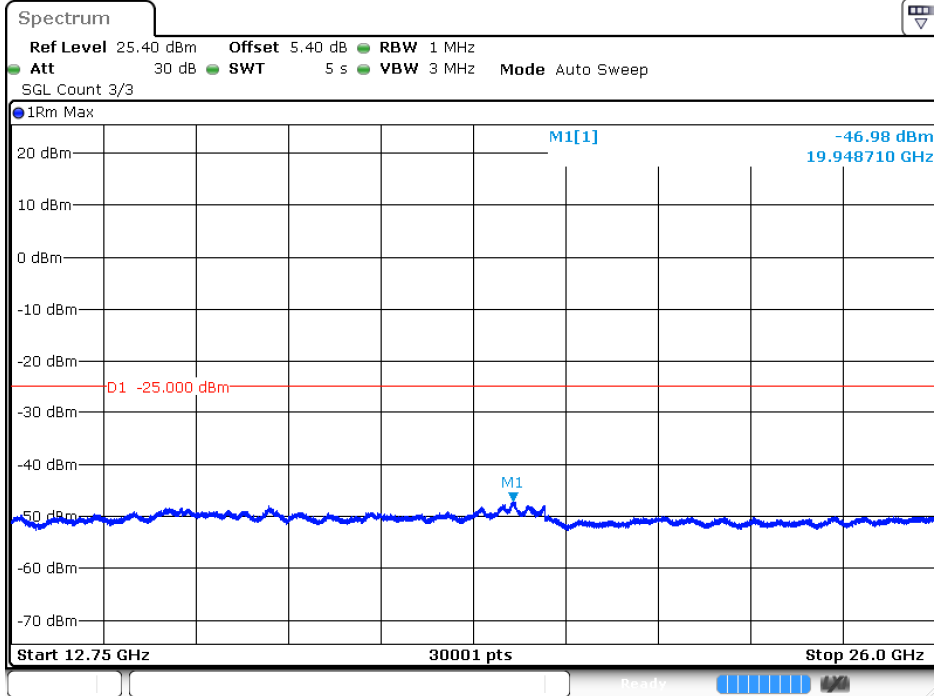


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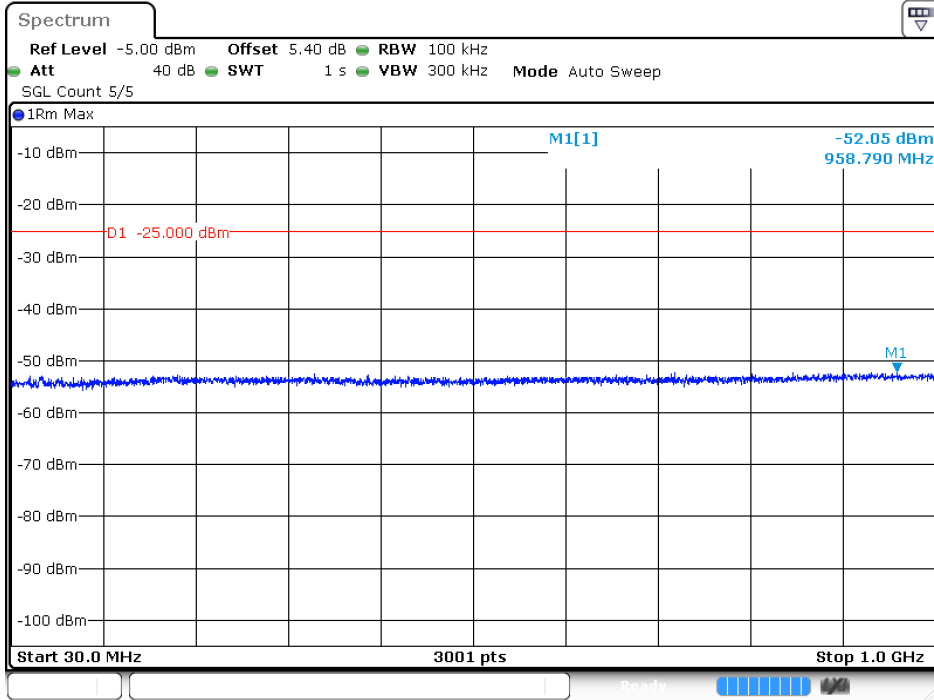


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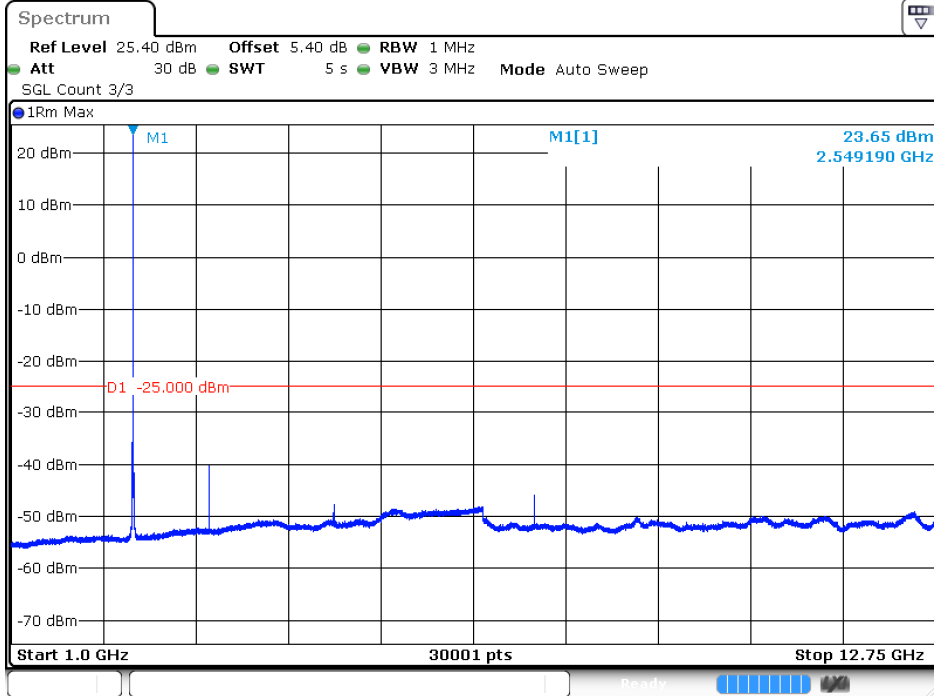
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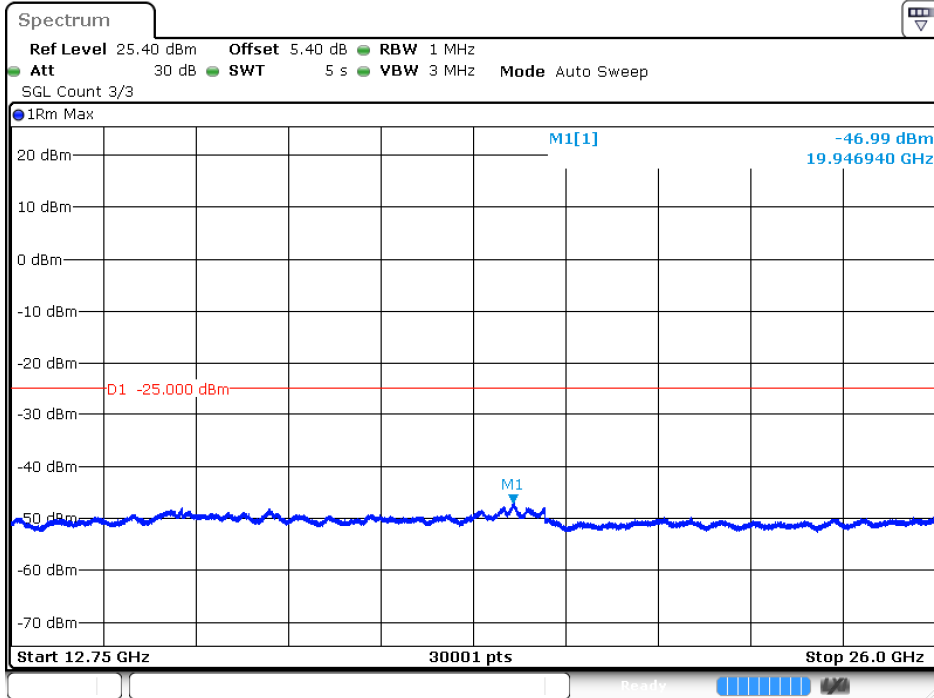
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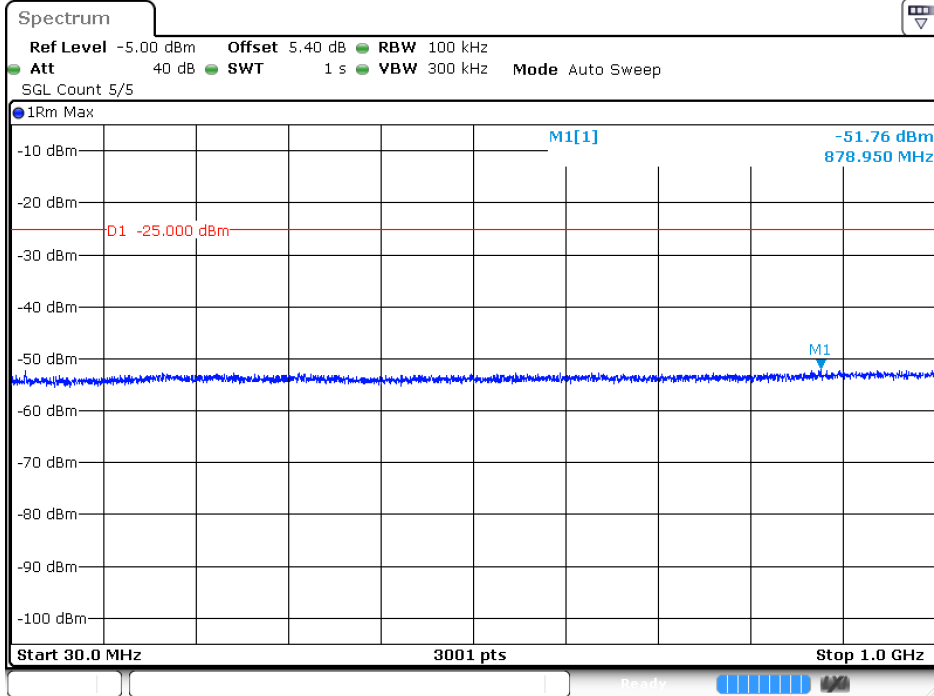


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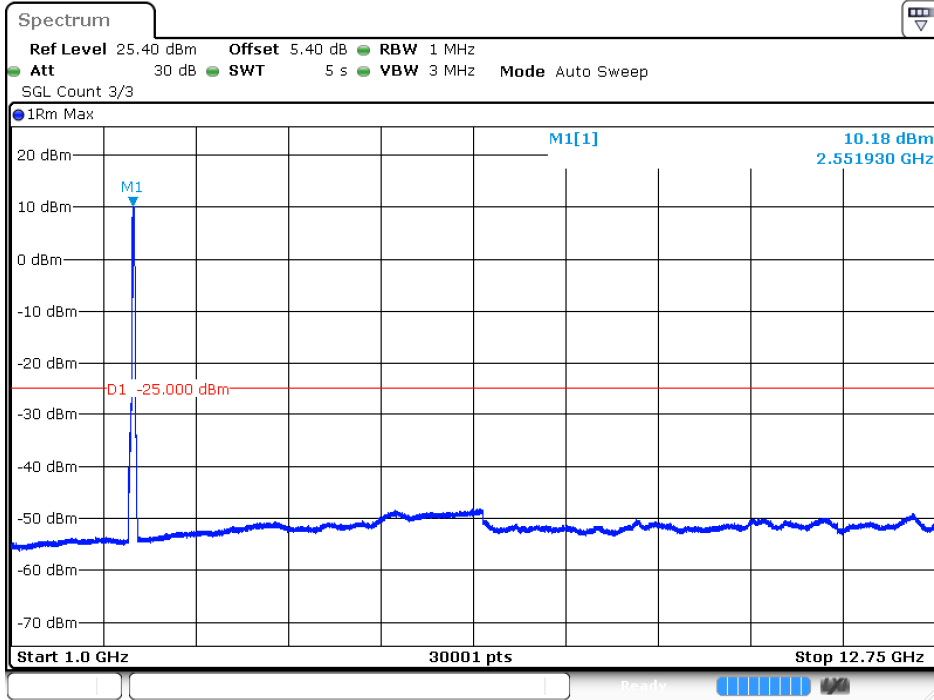
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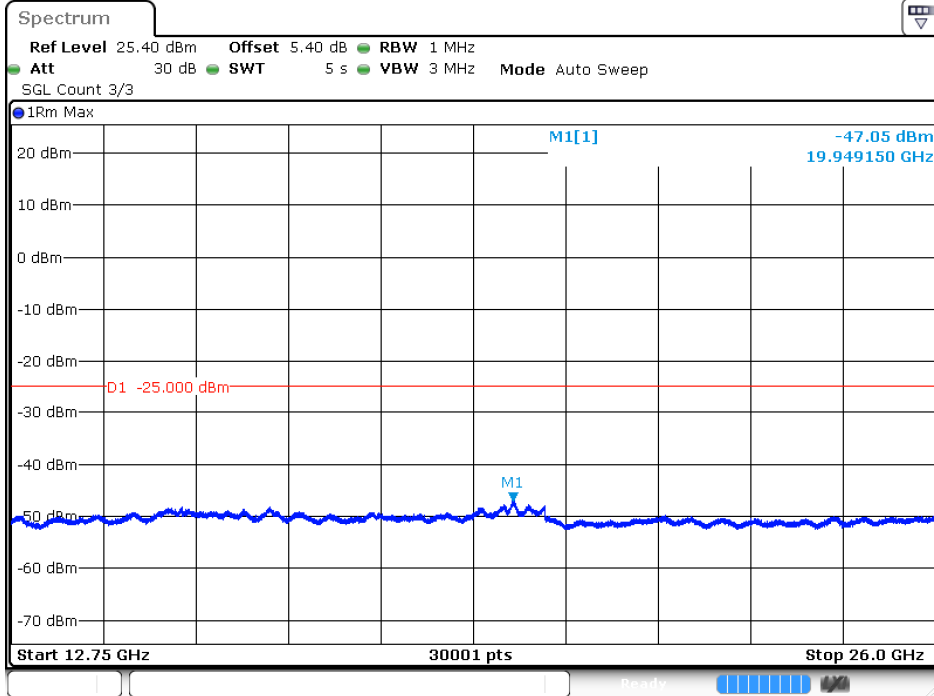


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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = LTE Band CA\_7C (Down Ant)

#### 7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.150000	-80.67	-36.00	44.67	Vertical
353.800000	-84.59	-36.00	48.59	Vertical
945.091667	-75.70	-36.00	39.70	Vertical
5017.600000	-65.34	-30.00	35.34	Vertical
7503.200000	-51.17	-30.00	21.17	Vertical
10004.075000	-62.71	-30.00	32.71	Vertical
56.650000	-75.81	-36.00	39.81	Horizontal
259.050000	-85.99	-36.00	49.99	Horizontal
949.537500	-75.48	-36.00	39.48	Horizontal
5001.675000	-65.04	-30.00	35.04	Horizontal
7503.525000	-61.63	-30.00	31.63	Horizontal
10004.400000	-61.67	-30.00	31.67	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
69.000000	-76.85	-36.00	40.85	Vertical
350.650000	-84.17	-36.00	48.17	Vertical
947.612500	-75.60	-36.00	39.60	Vertical
5032.550000	-58.19	-30.00	28.19	Vertical
7548.375000	-47.53	-30.00	17.53	Vertical
10064.525000	-61.74	-30.00	31.74	Vertical
63.100000	-75.64	-36.00	39.64	Horizontal
264.350000	-86.31	-36.00	50.31	Horizontal
934.916667	-75.08	-36.00	39.08	Horizontal
5032.225000	-63.49	-30.00	33.49	Horizontal
7548.375000	-60.33	-30.00	30.33	Horizontal
10064.850000	-62.09	-30.00	32.09	Horizontal



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**7.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.650000	-80.25	-36.00	44.25	Vertical
337.000000	-85.12	-36.00	49.12	Vertical
949.583333	-75.54	-36.00	39.54	Vertical
5062.450000	-62.23	-30.00	32.23	Vertical
7593.875000	-48.42	-30.00	18.42	Vertical
10125.300000	-62.94	-30.00	32.94	Vertical
55.650000	-75.87	-36.00	39.87	Horizontal
266.650000	-86.15	-36.00	50.15	Horizontal
959.437500	-75.38	-36.00	39.38	Horizontal
5038.400000	-65.12	-30.00	35.12	Horizontal
7593.875000	-60.14	-30.00	30.14	Horizontal
10125.300000	-62.47	-30.00	32.47	Horizontal

**7.2. Test Mode =LTE/TM1 20MHz(Up Antenna)**

**7.2.1. Test Channel = LCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.100000	-80.23	-36.00	44.23	Vertical
360.250000	-84.24	-36.00	48.24	Vertical
936.108333	-75.77	-36.00	39.77	Vertical
5044.900000	-65.53	-30.00	35.53	Vertical
7498.975000	-63.15	-30.00	33.15	Vertical
10004.075000	-61.77	-30.00	31.77	Vertical
62.250000	-76.68	-36.00	40.68	Horizontal
272.200000	-85.94	-36.00	49.94	Horizontal
959.575000	-75.03	-36.00	39.03	Horizontal
5005.575000	-65.52	-30.00	35.52	Horizontal
7502.875000	-63.48	-30.00	33.48	Horizontal
10004.400000	-61.91	-30.00	31.91	Horizontal



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**7.2.2. Test Channel = MCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.850000	-78.09	-36.00	42.09	Vertical
359.350000	-80.11	-36.00	44.11	Vertical
960.216667	-75.73	-36.00	39.73	Vertical
5106.325000	-65.19	-30.00	35.19	Vertical
7548.375000	-62.07	-30.00	32.07	Vertical
10064.850000	-60.40	-30.00	30.40	Vertical
62.800000	-76.65	-36.00	40.65	Horizontal
267.350000	-85.44	-36.00	49.44	Horizontal
939.270833	-75.67	-36.00	39.67	Horizontal
5079.350000	-65.63	-30.00	35.63	Horizontal
7548.375000	-63.36	-30.00	33.36	Horizontal
10064.850000	-60.74	-30.00	30.74	Horizontal

**7.2.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.900000	-80.07	-36.00	44.07	Vertical
346.150000	-84.49	-36.00	48.49	Vertical
913.145833	-76.59	-36.00	40.59	Vertical
5039.700000	-65.35	-30.00	35.35	Vertical
7594.200000	-63.31	-30.00	33.31	Vertical
10125.300000	-62.25	-30.00	32.25	Vertical
56.300000	-75.88	-36.00	39.88	Horizontal
267.300000	-85.26	-36.00	49.26	Horizontal
950.775000	-75.33	-36.00	39.33	Horizontal
5077.725000	-65.28	-30.00	35.28	Horizontal
7672.850000	-63.30	-30.00	33.30	Horizontal
10124.975000	-61.93	-30.00	31.93	Horizontal

**Remark:**

- 1 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 and above 12.75GHz 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	Test Temp	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			Config					
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	TN	NV	-10.42	-0.004159	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	TN	NV	3.51	0.001392	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	TN	NV	5.23	0.002060	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	TN	NV	12.51	0.004947	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	TN	NV	-0.27	-0.000108	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	TN	NV	10.04	0.003922	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	TN	NV	-6.38	-0.002546	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	TN	NV	5.07	0.002008	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	TN	NV	14.96	0.005889	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	TN	NV	13.24	0.005234	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	TN	NV	6.41	0.002518	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	TN	NV	-12.75	-0.004981	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	TN	NV	-8.34	-0.003327	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	TN	NV	-9.09	-0.003599	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	TN	NV	-7.53	-0.002963	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	TN	NV	-2.05	-0.000810	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	TN	NV	-14.36	-0.005644	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	TN	NV	-2.09	-0.000816	PASS

### 8.2. Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	RB	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			Config					
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-30	-10.54	-0.004207	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-20	9.30	0.003714	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-10	8.00	0.003193	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	0	14.16	0.005652	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	10	12.60	0.005027	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	20	9.68	0.003864	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	30	1.72	0.000685	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	40	-12.13	-0.004843	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	50	5.70	0.002273	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-30	-14.14	-0.005599	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-20	-0.78	-0.000310	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-10	4.76	0.001885	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	0	-9.03	-0.003575	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	10	-7.72	-0.003057	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	20	-6.73	-0.002665	PASS



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CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	30	7.77	0.003077	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	40	-11.42	-0.004523	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	50	-14.35	-0.005682	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-30	-9.26	-0.003646	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-20	7.13	0.002807	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-10	9.81	0.003862	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	0	13.85	0.005454	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	10	-9.84	-0.003872	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	20	6.97	0.002742	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	30	-7.62	-0.002999	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	40	9.06	0.003566	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	50	-13.45	-0.005295	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-30	6.86	0.002712	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-20	-3.92	-0.001550	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-10	-5.40	-0.002136	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	0	-3.96	-0.001565	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	10	-6.86	-0.002712	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	20	-13.21	-0.005222	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	30	-6.95	-0.002746	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	40	11.17	0.004417	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	50	-10.59	-0.004184	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-30	10.95	0.004303	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-20	-0.67	-0.000263	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-10	-12.78	-0.005020	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	0	-8.58	-0.003370	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	10	1.59	0.000624	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	20	9.24	0.003632	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	30	12.21	0.004797	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	40	-2.03	-0.000798	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	50	8.60	0.003379	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-30	5.68	0.002220	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-20	9.45	0.003691	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-10	-1.71	-0.000670	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	0	12.18	0.004757	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	10	-12.06	-0.004711	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	20	-7.03	-0.002747	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	30	-14.55	-0.005685	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	40	-10.51	-0.004104	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	50	10.69	0.004174	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-30	2.10	0.000836	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-20	-10.36	-0.004135	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-10	5.82	0.002323	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	0	-3.57	-0.001424	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	10	7.61	0.003039	PASS



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CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	20	8.60	0.003431	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	30	-12.62	-0.005036	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	40	0.27	0.000107	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	50	0.42	0.000169	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-30	-10.37	-0.004108	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-20	2.26	0.000897	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-10	5.21	0.002063	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	0	10.12	0.004009	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	10	7.02	0.002780	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	20	-3.86	-0.001527	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	30	-3.48	-0.001377	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	40	1.72	0.000680	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	50	10.81	0.004281	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-30	-5.63	-0.002215	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-20	13.83	0.005445	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-10	1.85	0.000727	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	0	-3.10	-0.001220	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	10	-14.14	-0.005565	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	20	-2.80	-0.001102	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	30	-8.28	-0.003261	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	40	12.14	0.004778	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	50	-0.78	-0.000305	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-30	12.13	0.004793	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-20	8.41	0.003325	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-10	8.86	0.003503	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	0	-11.25	-0.004448	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	10	3.85	0.001523	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	20	8.47	0.003347	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	30	7.58	0.002996	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	40	7.36	0.002911	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	50	6.93	0.002738	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-30	7.99	0.003141	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-20	-6.35	-0.002494	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-10	10.37	0.004073	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	0	6.54	0.002571	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	10	-11.24	-0.004417	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	20	7.43	0.002918	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	30	-5.98	-0.002350	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	40	6.37	0.002503	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	50	-10.14	-0.003983	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-30	-5.09	-0.001989	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-20	-3.54	-0.001385	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-10	13.86	0.005415	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	0	3.55	0.001388	PASS



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CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	10	1.17	0.000458	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	20	-1.79	-0.000698	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	30	1.67	0.000654	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	40	-11.52	-0.004499	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	50	5.85	0.002285	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-30	-11.17	-0.004459	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-20	5.86	0.002338	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-10	-2.11	-0.000840	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	0	-14.16	-0.005650	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	10	6.13	0.002447	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	20	-8.14	-0.003250	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	30	5.29	0.002113	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	40	6.99	0.002791	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	50	-0.78	-0.000310	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-30	7.06	0.002798	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-20	-13.48	-0.005337	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-10	2.85	0.001128	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	0	8.15	0.003226	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	10	3.60	0.001428	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	20	10.67	0.004224	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	30	6.84	0.002710	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	40	11.25	0.004457	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	50	6.67	0.002643	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-30	-3.29	-0.001295	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-20	2.36	0.000928	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-10	-5.01	-0.001971	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	0	13.03	0.005129	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	10	3.72	0.001466	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	20	0.65	0.000256	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	30	13.73	0.005407	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	40	-11.08	-0.004360	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	50	2.90	0.001143	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-30	11.00	0.004349	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-20	11.31	0.004470	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-10	-6.96	-0.002751	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	0	-3.51	-0.001389	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	10	3.51	0.001386	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	20	-7.13	-0.002819	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	30	-8.36	-0.003306	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	40	-7.62	-0.003012	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	50	10.34	0.004087	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-30	5.91	0.002321	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-20	-3.65	-0.001436	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-10	-13.61	-0.005349	PASS



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CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	0	-10.52	-0.004134	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	10	3.26	0.001283	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	20	9.56	0.003756	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	30	-7.45	-0.002927	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	40	12.75	0.005010	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	50	-7.15	-0.002808	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-30	6.43	0.002511	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-20	-13.90	-0.005432	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-10	5.39	0.002107	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	0	-14.41	-0.005630	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	10	7.59	0.002966	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	20	6.31	0.002465	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	30	6.59	0.002574	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	40	-14.96	-0.005843	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	50	-5.31	-0.002075	PASS

The End



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