

Appendix B

E-UTRA Band CA_41C

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1 Effective (Isotropic) Radiated Power Output Data

1.1 Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE Band CA_41C

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_41C	100RB+25RB	39750+39867	1RB#0	0RB#0	QPSK	21.77	28.77	33.00	PASS
CA_41C	100RB+25RB	39750+39867	18RB#0	0RB#0	QPSK	22.33	29.33	33.00	PASS
CA_41C	100RB+25RB	40595+40712	1RB#0	0RB#0	QPSK	22.98	29.98	33.00	PASS
CA_41C	100RB+25RB	40595+40712	18RB#0	0RB#0	QPSK	23.21	30.21	33.00	PASS
CA_41C	100RB+25RB	41440+41557	1RB#0	0RB#0	QPSK	22.76	29.76	33.00	PASS
CA_41C	100RB+25RB	41440+41557	18RB#0	0RB#0	QPSK	22.79	29.79	33.00	PASS
CA_41C	25RB+100RB	39867+39750	1RB#0	0RB#0	QPSK	22.00	29.00	33.00	PASS
CA_41C	25RB+100RB	39867+39750	8RB#0	0RB#0	QPSK	21.73	28.73	33.00	PASS
CA_41C	25RB+100RB	40712+40595	1RB#0	0RB#0	QPSK	23.52	30.52	33.00	PASS
CA_41C	25RB+100RB	40712+40595	8RB#0	0RB#0	QPSK	23.38	30.38	33.00	PASS
CA_41C	25RB+100RB	41557+41440	1RB#0	0RB#0	QPSK	23.42	30.42	33.00	PASS
CA_41C	25RB+100RB	41557+41440	8RB#0	0RB#0	QPSK	23.10	30.10	33.00	PASS
CA_41C	100RB+100RB	39750+39948	1RB#0	0RB#0	QPSK	22.29	29.29	33.00	PASS
CA_41C	100RB+100RB	39750+39948	18RB#0	0RB#0	QPSK	22.43	29.43	33.00	PASS
CA_41C	100RB+100RB	40521+40719	1RB#0	0RB#0	QPSK	23.29	30.29	33.00	PASS
CA_41C	100RB+100RB	40521+40719	18RB#0	0RB#0	QPSK	23.54	30.54	33.00	PASS
CA_41C	100RB+100RB	41292+41490	1RB#0	0RB#0	QPSK	23.46	30.46	33.00	PASS
CA_41C	100RB+100RB	41292+41490	18RB#0	0RB#0	QPSK	23.32	30.32	33.00	PASS
CA_41C	100RB+100RB	39948+39750	1RB#0	0RB#0	QPSK	21.78	28.78	33.00	PASS
CA_41C	100RB+100RB	39948+39750	18RB#0	0RB#0	QPSK	21.79	28.79	33.00	PASS
CA_41C	100RB+100RB	40719+40521	1RB#0	0RB#0	QPSK	23.31	30.31	33.00	PASS
CA_41C	100RB+100RB	40719+40521	18RB#0	0RB#0	QPSK	23.59	30.59	33.00	PASS
CA_41C	100RB+100RB	41490+41292	1RB#0	0RB#0	QPSK	23.20	30.20	33.00	PASS
CA_41C	100RB+100RB	41490+41292	18RB#0	0RB#0	QPSK	22.91	29.91	33.00	PASS
CA_41C	100RB+25RB	39750+39867	1RB#0	0RB#0	16QAM	21.38	28.38	33.00	PASS
CA_41C	100RB+25RB	39750+39867	18RB#0	0RB#0	16QAM	21.37	28.37	33.00	PASS
CA_41C	100RB+25RB	40595+40712	1RB#0	0RB#0	16QAM	22.50	29.50	33.00	PASS
CA_41C	100RB+25RB	40595+40712	18RB#0	0RB#0	16QAM	22.33	29.33	33.00	PASS
CA_41C	100RB+25RB	41440+41557	1RB#0	0RB#0	16QAM	21.91	28.91	33.00	PASS
CA_41C	100RB+25RB	41440+41557	18RB#0	0RB#0	16QAM	21.71	28.71	33.00	PASS
CA_41C	25RB+100RB	39867+39750	1RB#0	0RB#0	16QAM	20.86	27.86	33.00	PASS
CA_41C	25RB+100RB	39867+39750	8RB#0	0RB#0	16QAM	21.26	28.26	33.00	PASS
CA_41C	25RB+100RB	40712+40595	1RB#0	0RB#0	16QAM	22.69	29.69	33.00	PASS
CA_41C	25RB+100RB	40712+40595	8RB#0	0RB#0	16QAM	22.22	29.22	33.00	PASS
CA_41C	25RB+100RB	41557+41440	1RB#0	0RB#0	16QAM	21.77	28.77	33.00	PASS
CA_41C	25RB+100RB	41557+41440	8RB#0	0RB#0	16QAM	22.11	29.11	33.00	PASS
CA_41C	100RB+100RB	39750+39948	1RB#0	0RB#0	16QAM	21.45	28.45	33.00	PASS

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CA_41C	100RB+100RB	39750+39948	18RB#0	0RB#0	16QAM	21.15	28.15	33.00	PASS
CA_41C	100RB+100RB	40521+40719	1RB#0	0RB#0	16QAM	22.38	29.38	33.00	PASS
CA_41C	100RB+100RB	40521+40719	18RB#0	0RB#0	16QAM	22.52	29.52	33.00	PASS
CA_41C	100RB+100RB	41292+41490	1RB#0	0RB#0	16QAM	22.11	29.11	33.00	PASS
CA_41C	100RB+100RB	41292+41490	18RB#0	0RB#0	16QAM	22.33	29.33	33.00	PASS
CA_41C	100RB+100RB	39948+39750	1RB#0	0RB#0	16QAM	20.75	27.75	33.00	PASS
CA_41C	100RB+100RB	39948+39750	18RB#0	0RB#0	16QAM	21.00	28.00	33.00	PASS
CA_41C	100RB+100RB	40719+40521	1RB#0	0RB#0	16QAM	22.62	29.62	33.00	PASS
CA_41C	100RB+100RB	40719+40521	18RB#0	0RB#0	16QAM	22.39	29.39	33.00	PASS
CA_41C	100RB+100RB	41490+41292	1RB#0	0RB#0	16QAM	22.43	29.43	33.00	PASS
CA_41C	100RB+100RB	41490+41292	18RB#0	0RB#0	16QAM	22.16	29.16	33.00	PASS
CA_41C	100RB+25RB	39750+39867	1RB#0	0RB#0	64QAM	20.12	27.12	33.00	PASS
CA_41C	100RB+25RB	39750+39867	18RB#0	0RB#0	64QAM	19.72	26.72	33.00	PASS
CA_41C	100RB+25RB	40595+40712	1RB#0	0RB#0	64QAM	21.25	28.25	33.00	PASS
CA_41C	100RB+25RB	40595+40712	18RB#0	0RB#0	64QAM	21.44	28.44	33.00	PASS
CA_41C	100RB+25RB	41440+41557	1RB#0	0RB#0	64QAM	21.03	28.03	33.00	PASS
CA_41C	100RB+25RB	41440+41557	18RB#0	0RB#0	64QAM	21.17	28.17	33.00	PASS
CA_41C	25RB+100RB	39867+39750	1RB#0	0RB#0	64QAM	20.43	27.43	33.00	PASS
CA_41C	25RB+100RB	39867+39750	8RB#0	0RB#0	64QAM	20.11	27.11	33.00	PASS
CA_41C	25RB+100RB	40712+40595	1RB#0	0RB#0	64QAM	21.00	28.00	33.00	PASS
CA_41C	25RB+100RB	40712+40595	8RB#0	0RB#0	64QAM	21.36	28.36	33.00	PASS
CA_41C	25RB+100RB	41557+41440	1RB#0	0RB#0	64QAM	20.72	27.72	33.00	PASS
CA_41C	25RB+100RB	41557+41440	8RB#0	0RB#0	64QAM	21.32	28.32	33.00	PASS
CA_41C	100RB+100RB	39750+39948	1RB#0	0RB#0	64QAM	20.38	27.38	33.00	PASS
CA_41C	100RB+100RB	39750+39948	18RB#0	0RB#0	64QAM	19.94	26.94	33.00	PASS
CA_41C	100RB+100RB	40521+40719	1RB#0	0RB#0	64QAM	21.26	28.26	33.00	PASS
CA_41C	100RB+100RB	40521+40719	18RB#0	0RB#0	64QAM	21.47	28.47	33.00	PASS
CA_41C	100RB+100RB	41292+41490	1RB#0	0RB#0	64QAM	20.94	27.94	33.00	PASS
CA_41C	100RB+100RB	41292+41490	18RB#0	0RB#0	64QAM	21.36	28.36	33.00	PASS
CA_41C	100RB+100RB	39948+39750	1RB#0	0RB#0	64QAM	19.96	26.96	33.00	PASS
CA_41C	100RB+100RB	39948+39750	18RB#0	0RB#0	64QAM	19.86	26.86	33.00	PASS
CA_41C	100RB+100RB	40719+40521	1RB#0	0RB#0	64QAM	21.25	28.25	33.00	PASS
CA_41C	100RB+100RB	40719+40521	18RB#0	0RB#0	64QAM	21.41	28.41	33.00	PASS
CA_41C	100RB+100RB	41490+41292	1RB#0	0RB#0	64QAM	20.96	27.96	33.00	PASS
CA_41C	100RB+100RB	41490+41292	18RB#0	0RB#0	64QAM	21.50	28.50	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

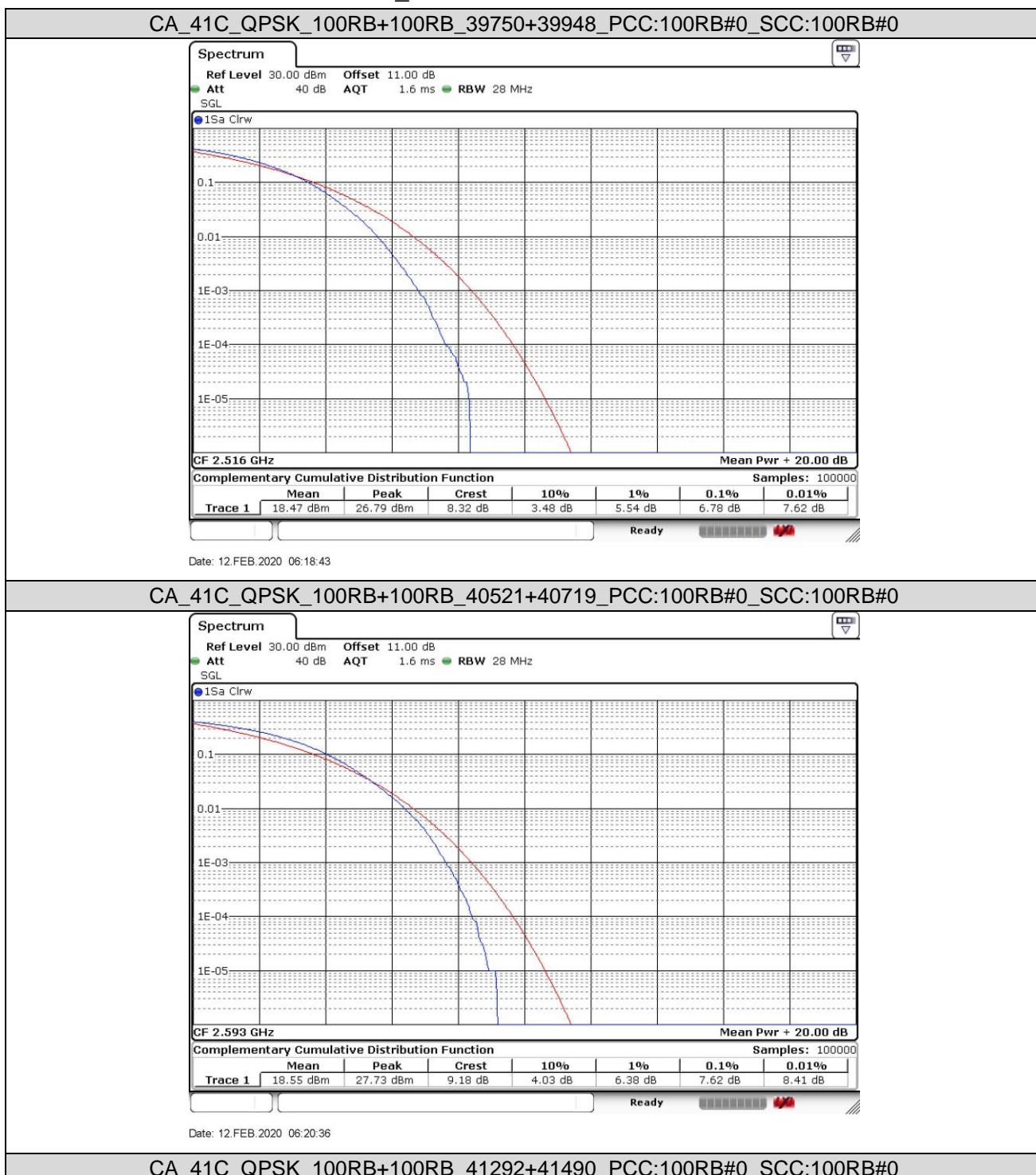
Test Band	Modulation	Test Mode	Test Channel	PCC RB Config	SCC RB Config	Measured [dB]	Limit [dB]	Verdict
CA_41C	QPSK	100RB+100RB	39750+39948	100RB#0	100RB#0	6.78	13	PASS
CA_41C	QPSK	100RB+100RB	40521+40719	100RB#0	100RB#0	7.62	13	PASS
CA_41C	QPSK	100RB+100RB	41292+41490	100RB#0	100RB#0	8.90	13	PASS
CA_41C	QPSK	100RB+100RB	39948+39750	100RB#0	100RB#0	6.90	13	PASS
CA_41C	QPSK	100RB+100RB	40719+40521	100RB#0	100RB#0	6.99	13	PASS
CA_41C	QPSK	100RB+100RB	41490+41292	100RB#0	100RB#0	6.81	13	PASS
CA_41C	16QAM	100RB+100RB	39750+39948	100RB#0	100RB#0	6.99	13	PASS
CA_41C	16QAM	100RB+100RB	40521+40719	100RB#0	100RB#0	6.90	13	PASS
CA_41C	16QAM	100RB+100RB	41292+41490	100RB#0	100RB#0	7.07	13	PASS
CA_41C	16QAM	100RB+100RB	39948+39750	100RB#0	100RB#0	6.75	13	PASS
CA_41C	16QAM	100RB+100RB	40719+40521	100RB#0	100RB#0	6.87	13	PASS
CA_41C	16QAM	100RB+100RB	41490+41292	100RB#0	100RB#0	8.46	13	PASS
CA_41C	64QAM	100RB+100RB	39750+39948	100RB#0	100RB#0	6.99	13	PASS
CA_41C	64QAM	100RB+100RB	40521+40719	100RB#0	100RB#0	8.14	13	PASS
CA_41C	64QAM	100RB+100RB	41292+41490	100RB#0	100RB#0	6.78	13	PASS
CA_41C	64QAM	100RB+100RB	39948+39750	100RB#0	100RB#0	6.96	13	PASS
CA_41C	64QAM	100RB+100RB	40719+40521	100RB#0	100RB#0	7.68	13	PASS
CA_41C	64QAM	100RB+100RB	41490+41292	100RB#0	100RB#0	6.75	13	PASS

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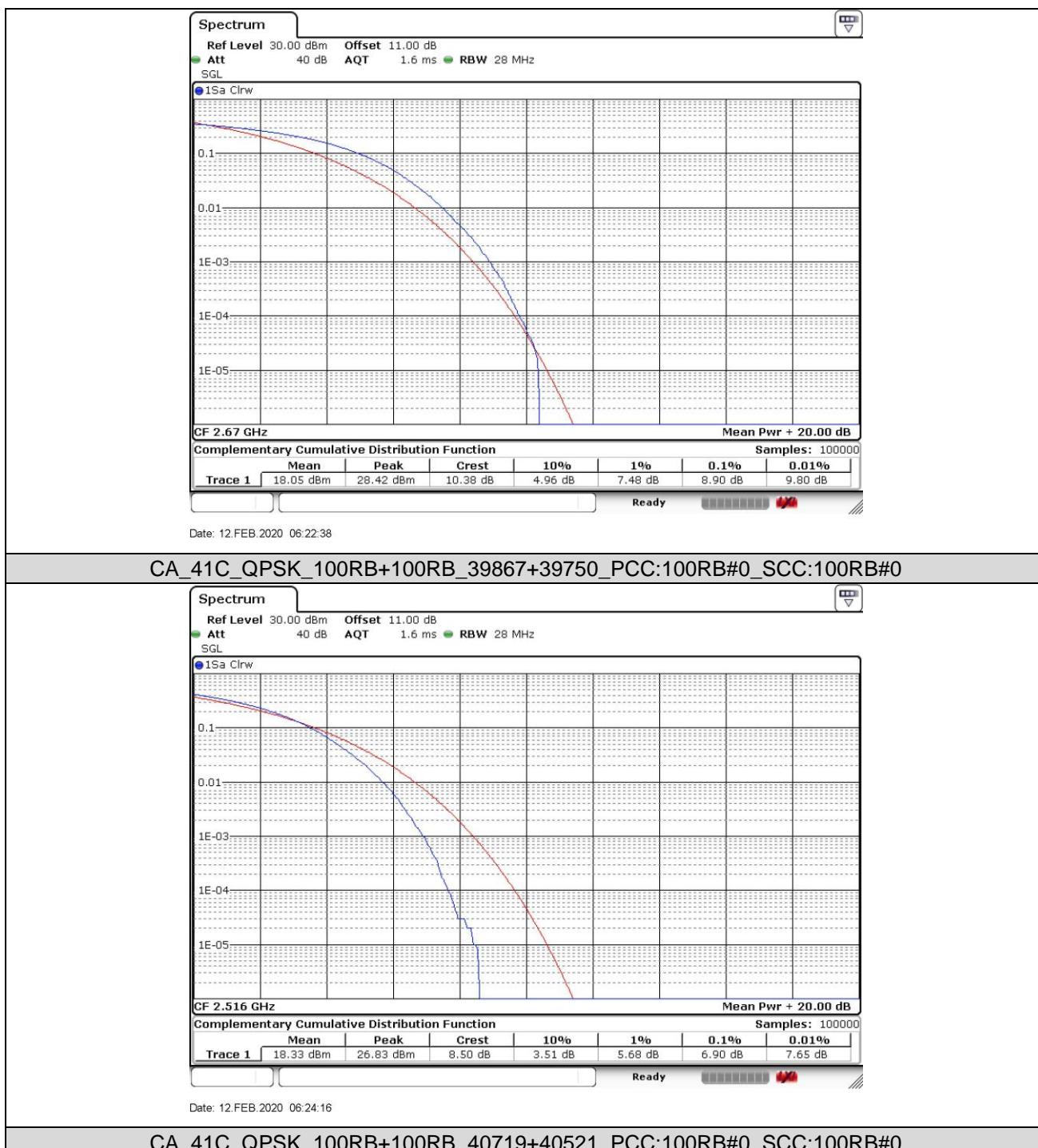


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Part II - Test Plots**2.1 For LTE****2.1.1 Test Band = LTE Band CA_41C**

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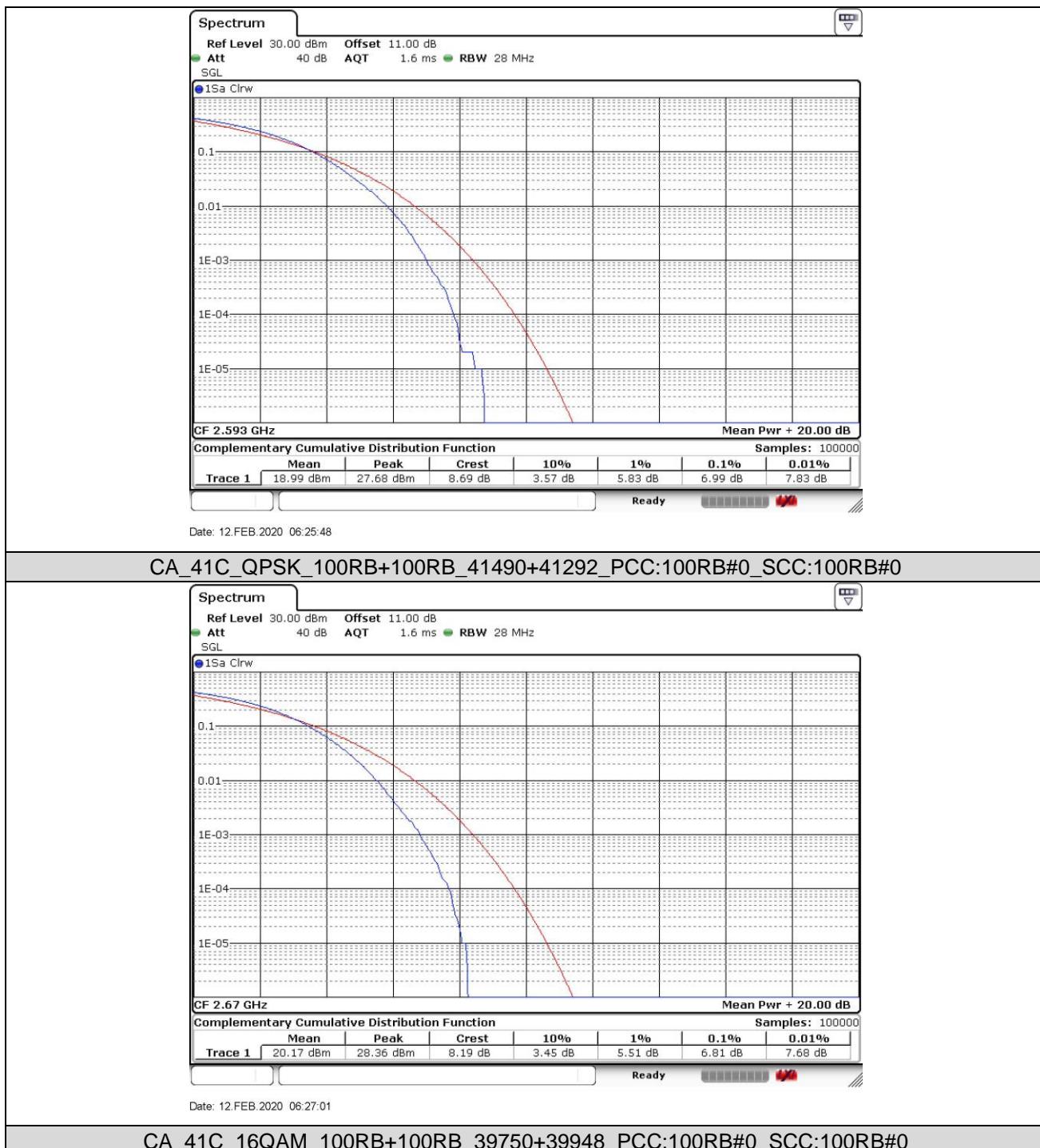
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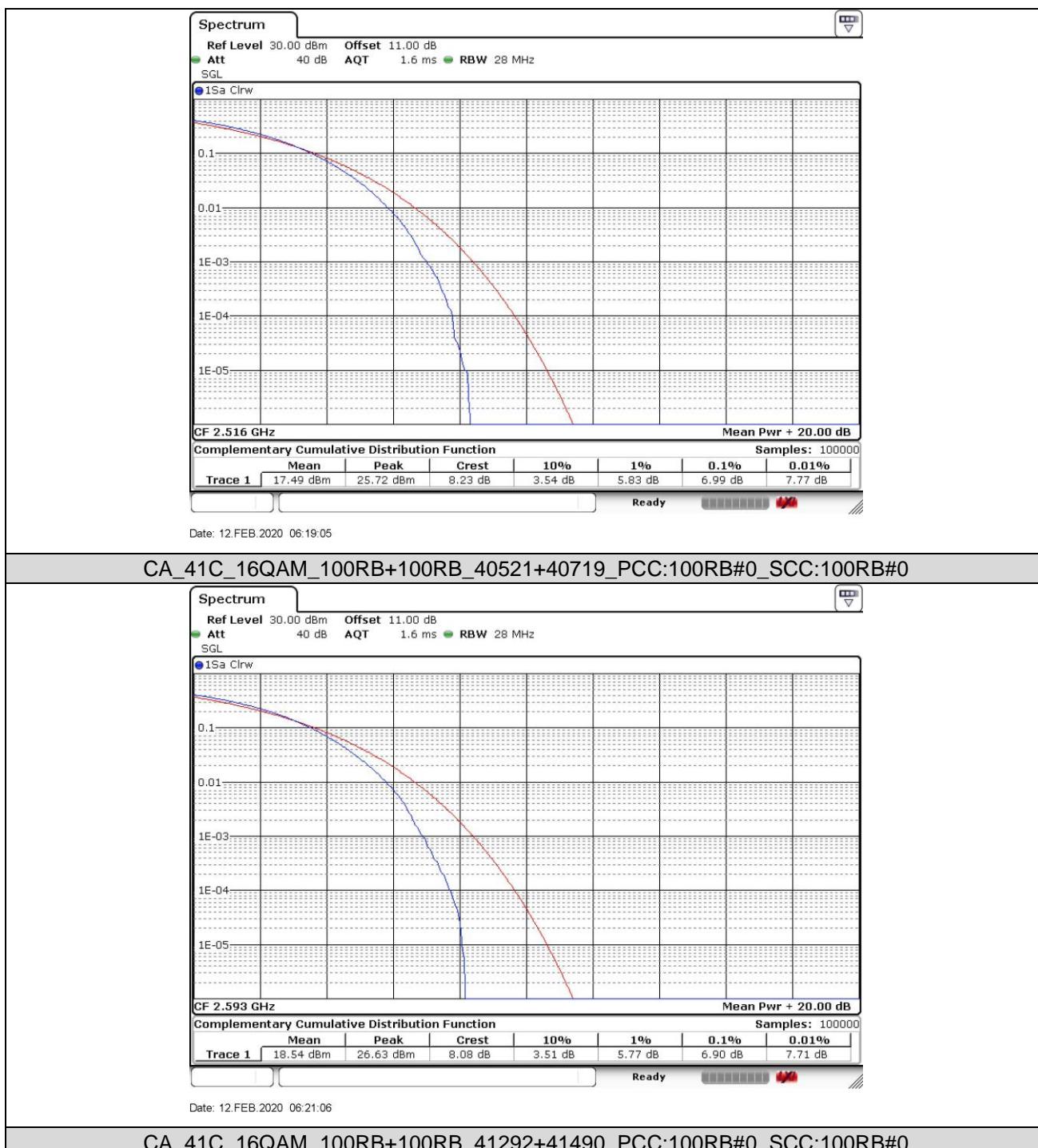




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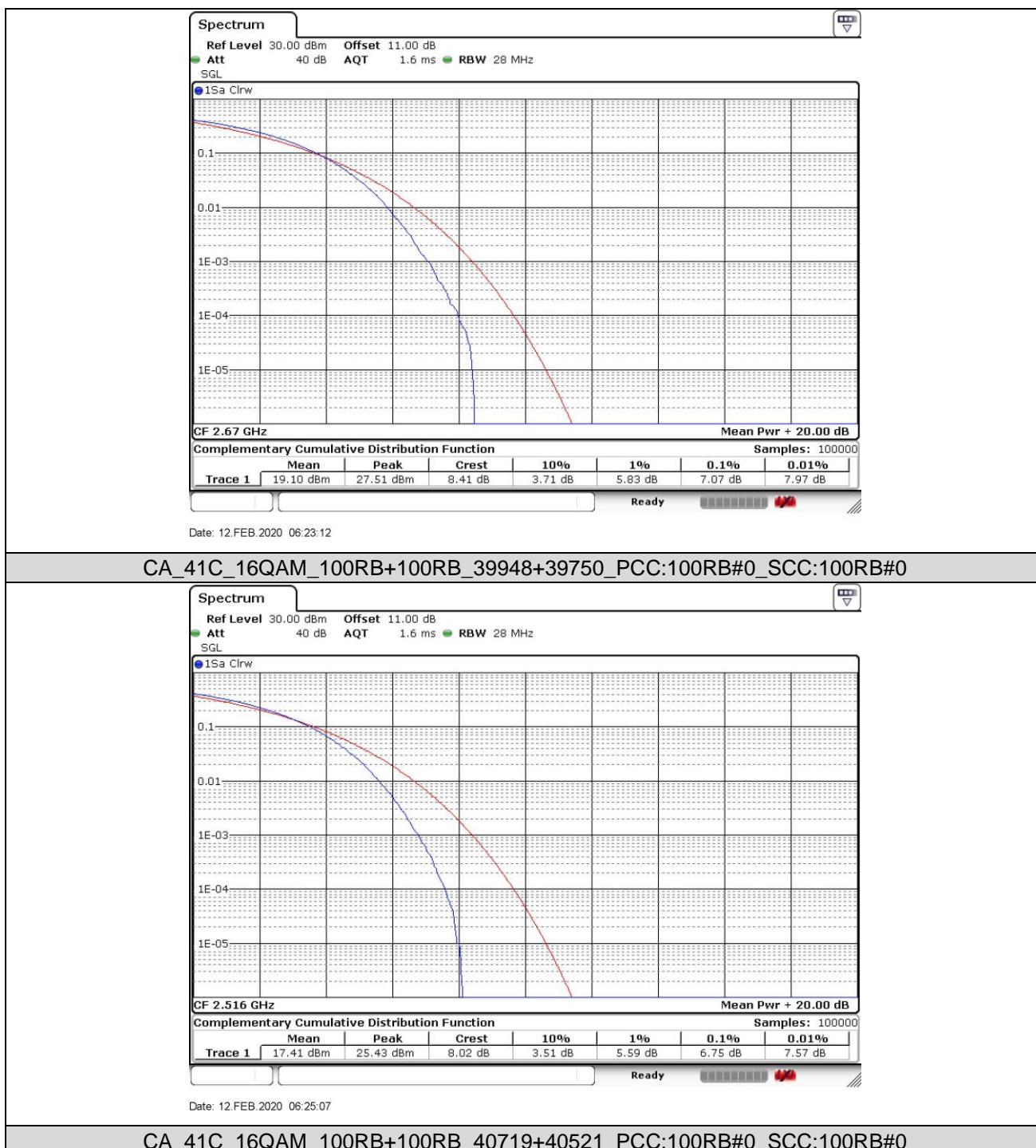




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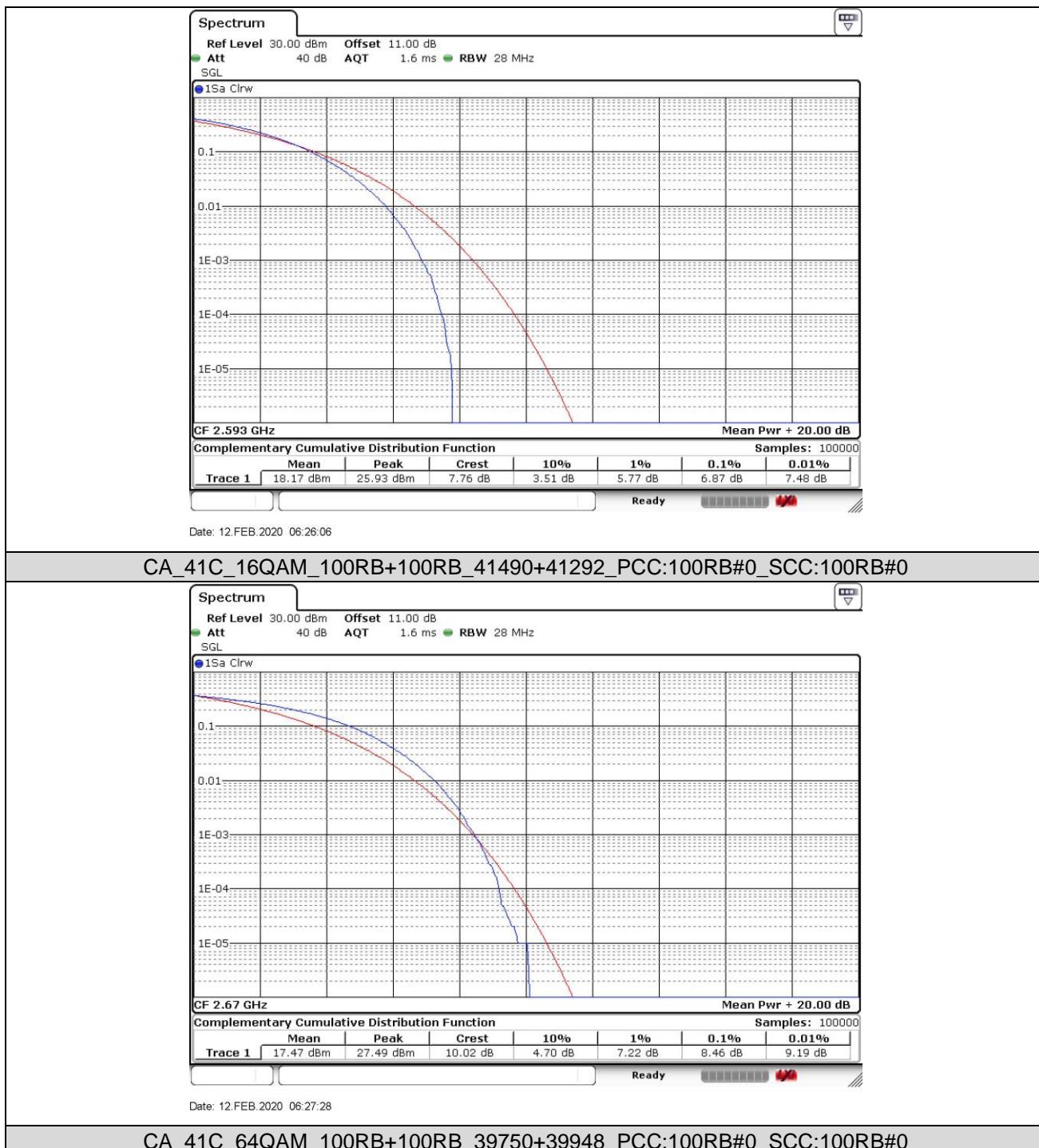




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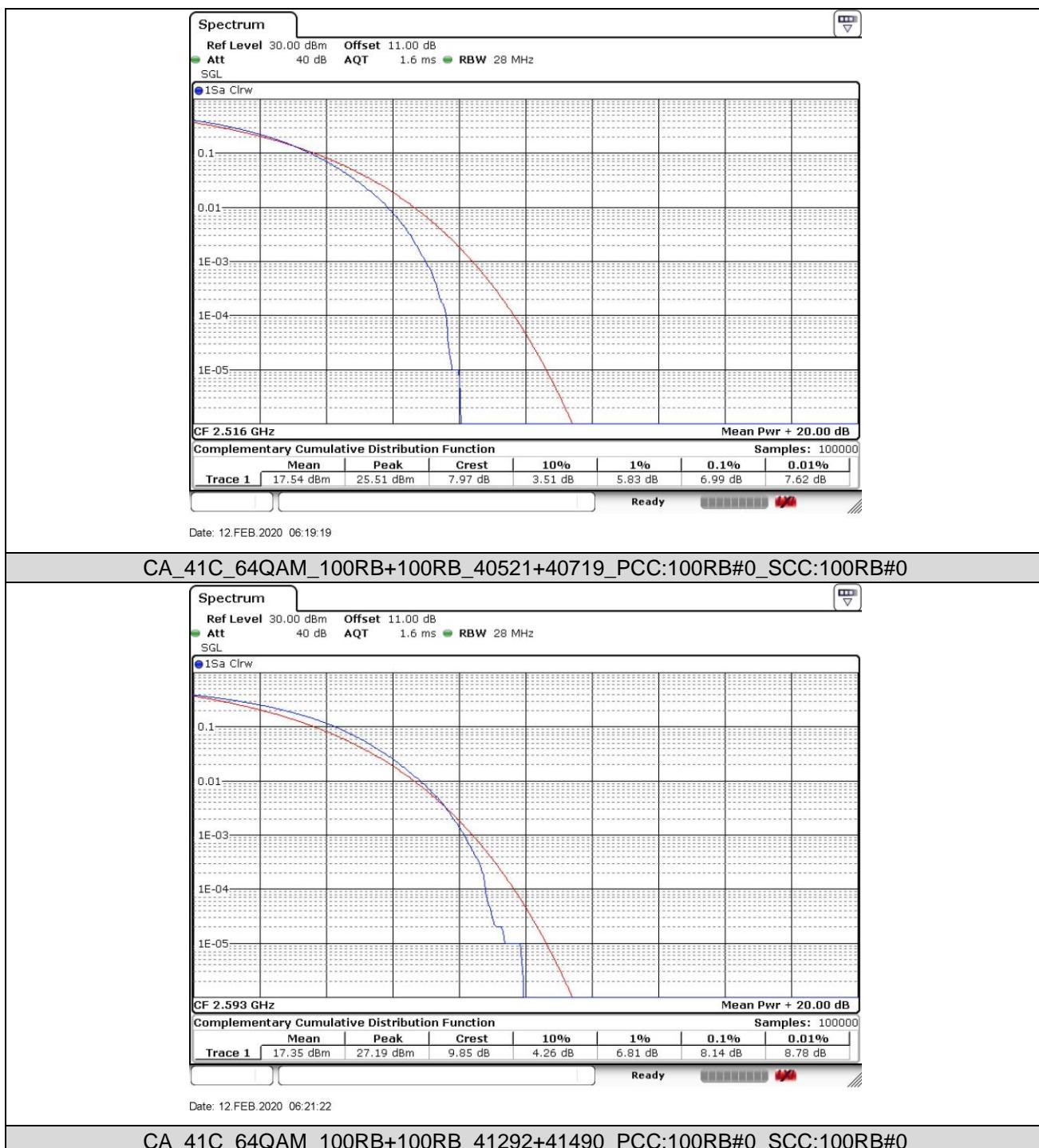


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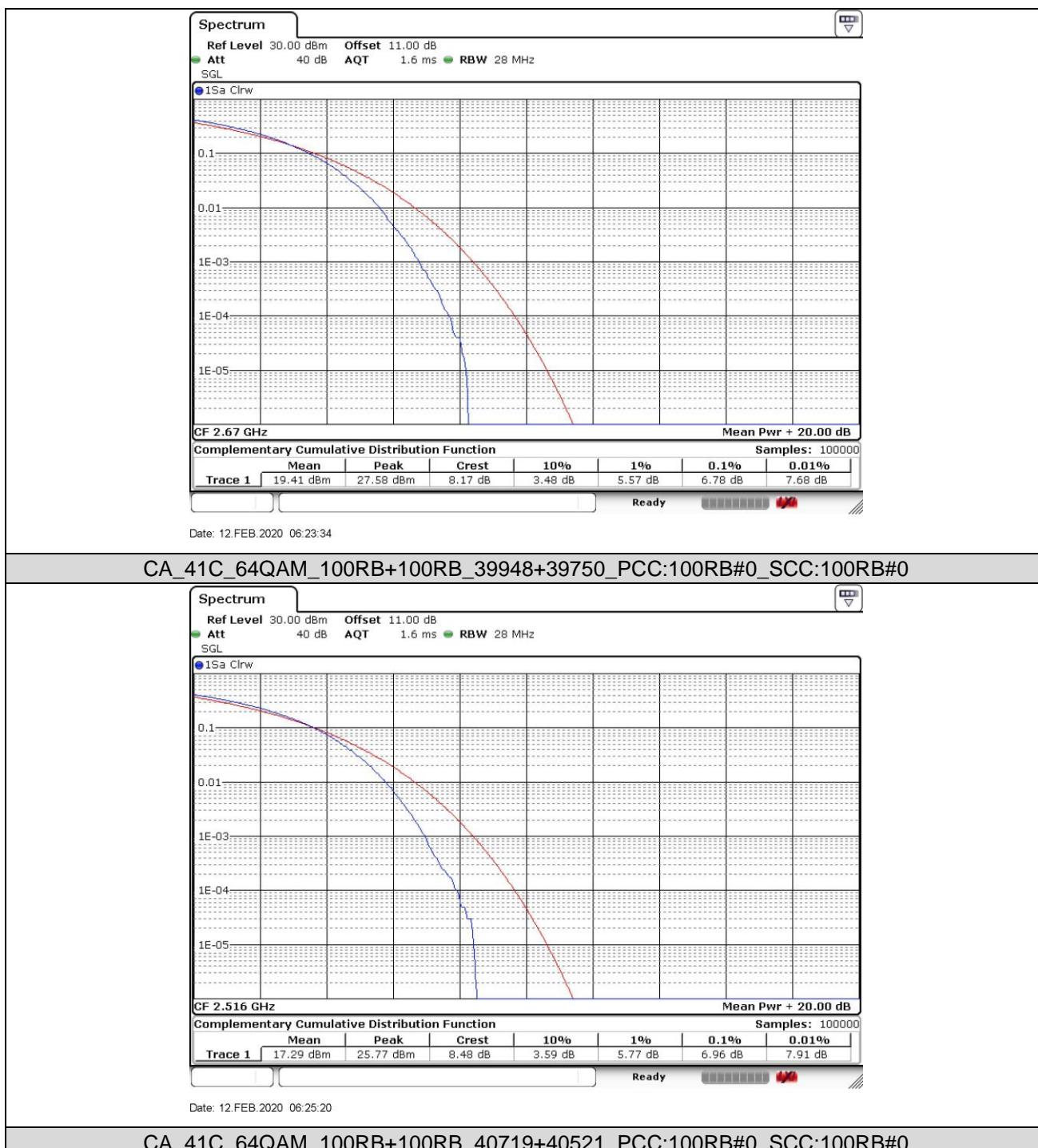
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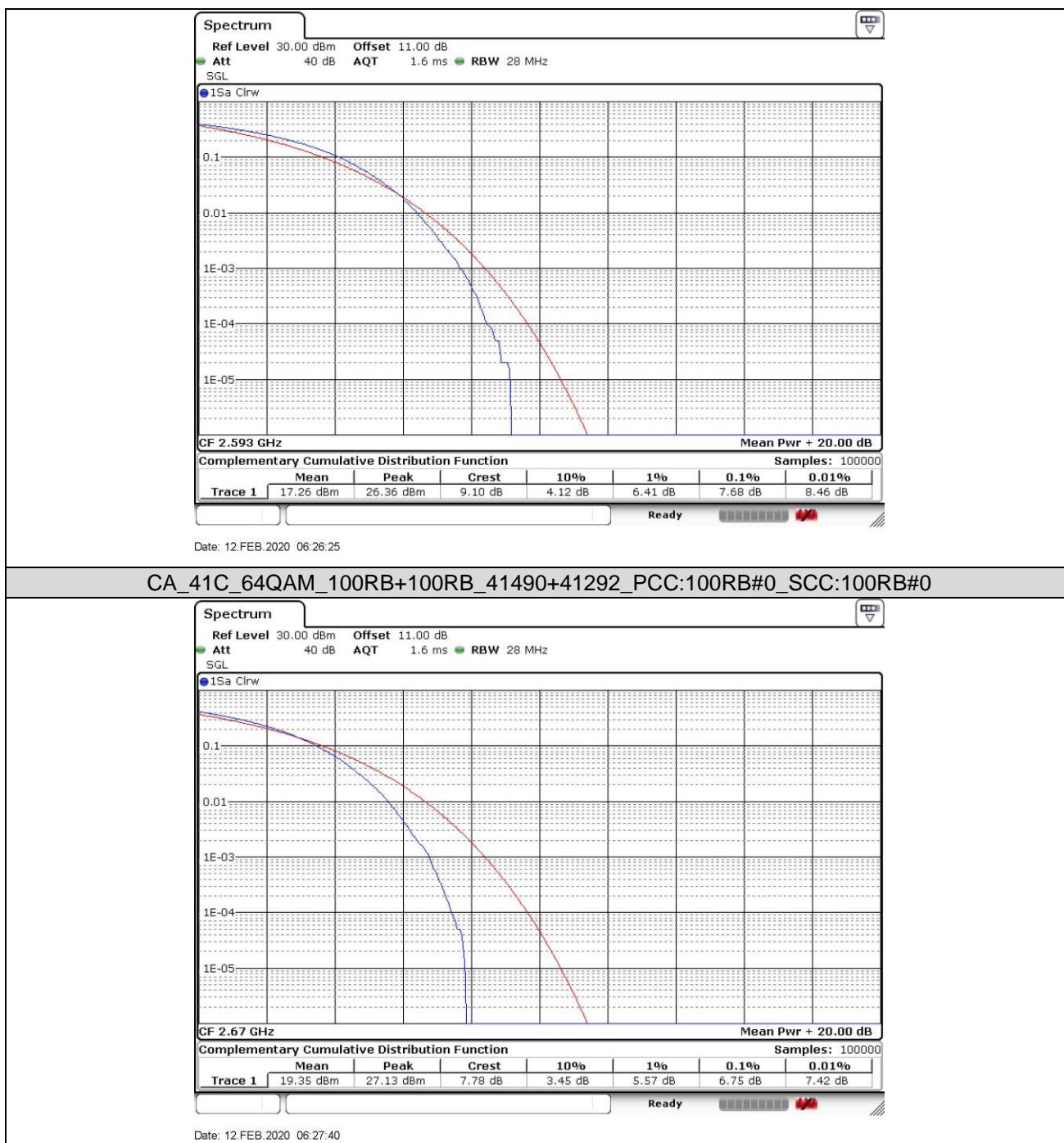




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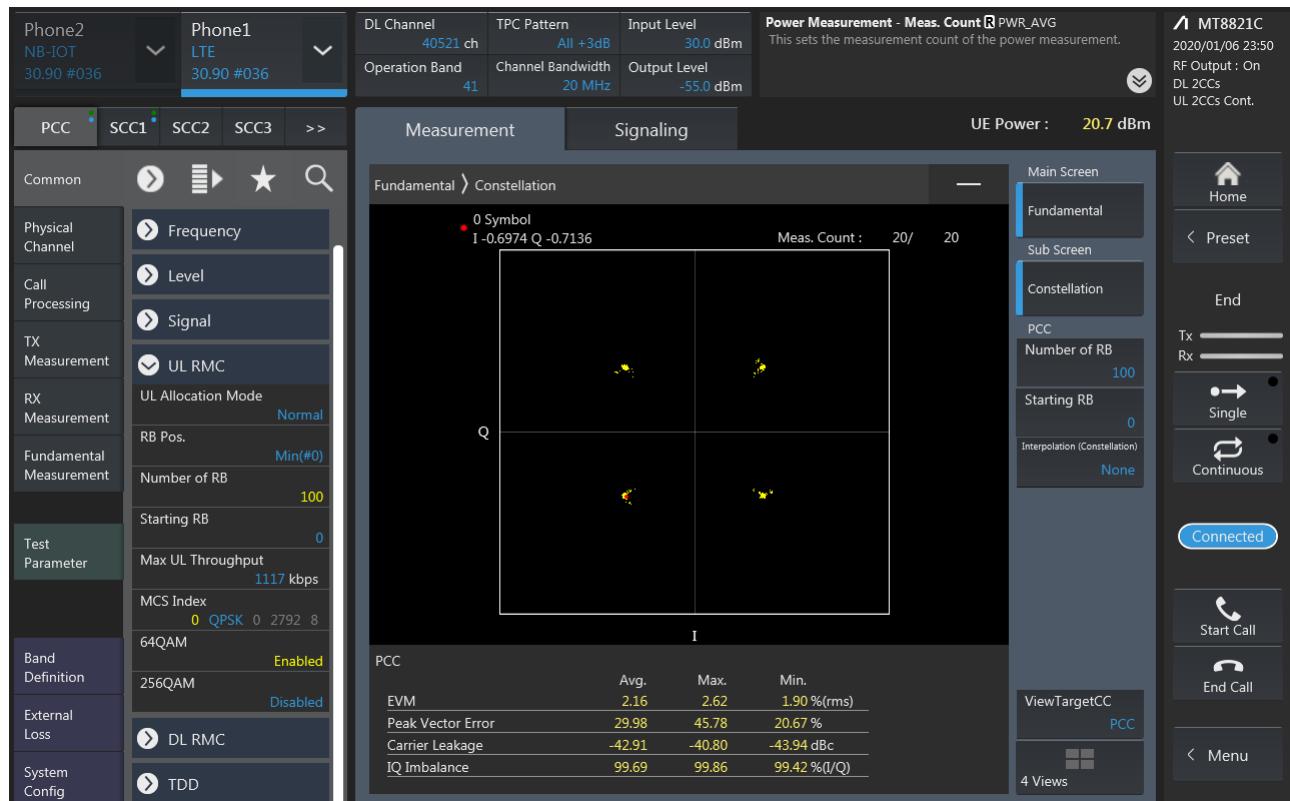
3 Modulation Characteristics

3.1 For LTE

3.1.1 Test Band = LTE Band CA_41C

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

3.1.1.1.1 Test Channel = 40521+40719

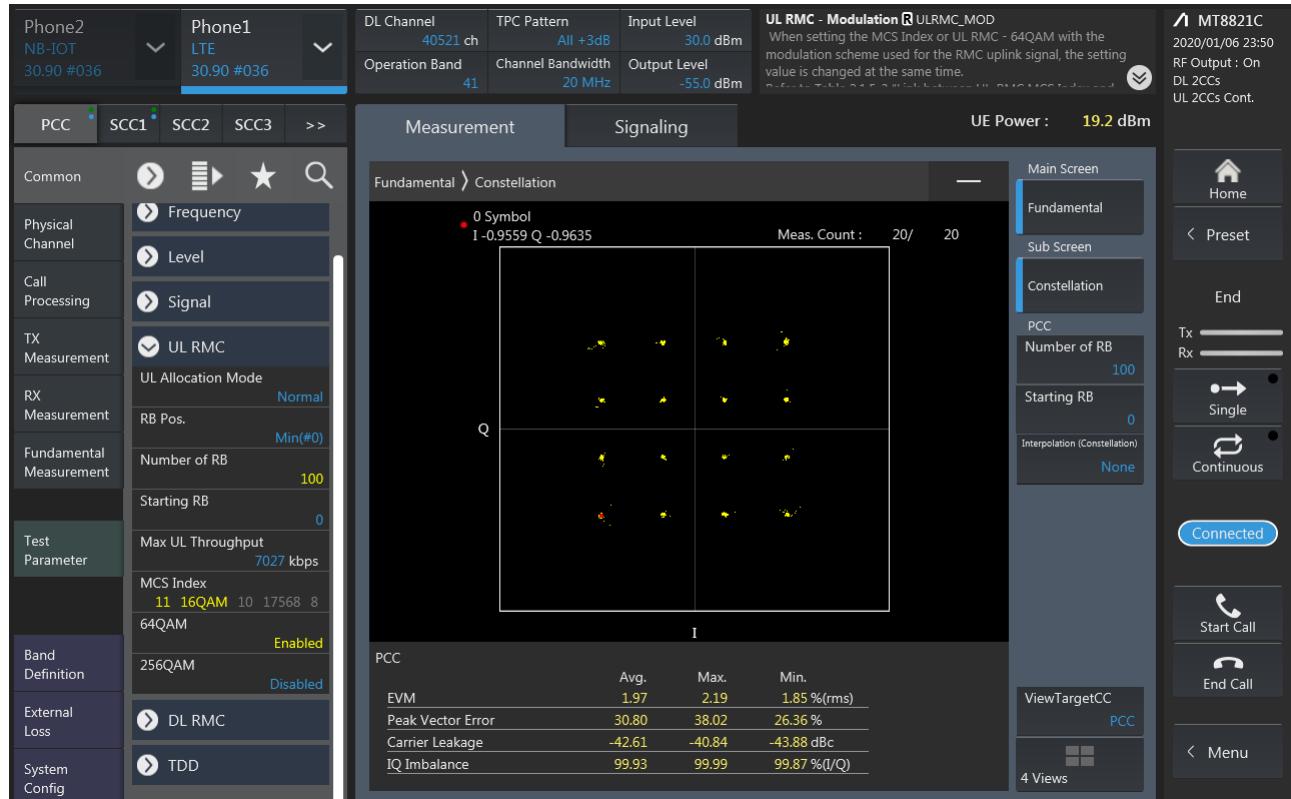


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3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB**3.1.1.2.1 Test Channel = 40521+40719**

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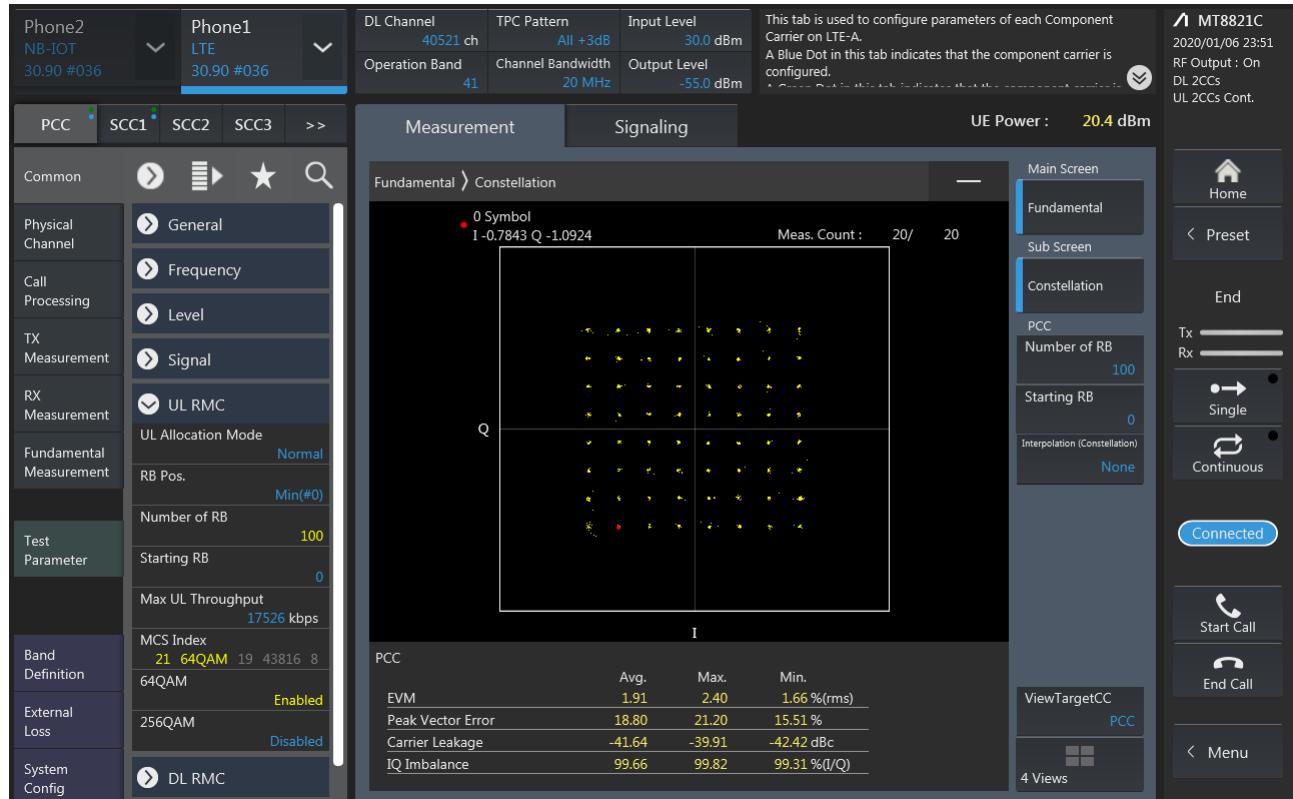


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3.1.1.3 Test Mode = LTE /64QAM 100RB+100RB

3.1.1.3.1 Test Channel = 40521+40719



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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_41C	QPSK	100RB+25RB	39750+39867	100RB#0	25RB#0	22.67	23.62	PASS
CA_41C	QPSK	100RB+25RB	40595+40712	100RB#0	25RB#0	22.87	23.92	PASS
CA_41C	QPSK	100RB+25RB	41440+41557	100RB#0	25RB#0	22.72	23.82	PASS
CA_41C	QPSK	25RB+100RB	39867+39750	25RB#0	100RB#0	22.72	23.77	PASS
CA_41C	QPSK	25RB+100RB	40712+40595	25RB#0	100RB#0	22.82	23.77	PASS
CA_41C	QPSK	25RB+100RB	41557+41440	25RB#0	100RB#0	22.77	23.97	PASS
CA_41C	16QAM	100RB+25RB	39750+39867	100RB#0	25RB#0	22.67	23.67	PASS
CA_41C	16QAM	100RB+25RB	40595+40712	100RB#0	25RB#0	22.82	23.82	PASS
CA_41C	16QAM	100RB+25RB	41440+41557	100RB#0	25RB#0	22.72	23.77	PASS
CA_41C	16QAM	25RB+100RB	39867+39750	25RB#0	100RB#0	22.72	23.82	PASS
CA_41C	16QAM	25RB+100RB	40712+40595	25RB#0	100RB#0	22.82	23.92	PASS
CA_41C	16QAM	25RB+100RB	41557+41440	25RB#0	100RB#0	22.77	23.82	PASS
CA_41C	64QAM	100RB+25RB	39750+39867	100RB#0	25RB#0	22.62	23.82	PASS
CA_41C	64QAM	100RB+25RB	40595+40712	100RB#0	25RB#0	22.87	23.77	PASS
CA_41C	64QAM	100RB+25RB	41440+41557	100RB#0	25RB#0	22.72	23.82	PASS
CA_41C	64QAM	25RB+100RB	39867+39750	25RB#0	100RB#0	22.72	23.77	PASS
CA_41C	64QAM	25RB+100RB	40712+40595	25RB#0	100RB#0	22.87	23.77	PASS
CA_41C	64QAM	25RB+100RB	41557+41440	25RB#0	100RB#0	22.77	23.77	PASS
CA_41C	QPSK	100RB+100RB	39750+39948	100RB#0	100RB#0	37.48	40.12	PASS
CA_41C	QPSK	100RB+100RB	40521+40719	100RB#0	100RB#0	37.64	40.12	PASS
CA_41C	QPSK	100RB+100RB	41292+41490	100RB#0	100RB#0	37.48	39.88	PASS
CA_41C	QPSK	100RB+100RB	39948+39750	100RB#0	100RB#0	37.56	39.96	PASS
CA_41C	QPSK	100RB+100RB	40719+40521	100RB#0	100RB#0	37.56	40.12	PASS
CA_41C	QPSK	100RB+100RB	41490+41292	100RB#0	100RB#0	37.48	39.88	PASS
CA_41C	16QAM	100RB+100RB	39750+39948	100RB#0	100RB#0	37.56	40.04	PASS
CA_41C	16QAM	100RB+100RB	40521+40719	100RB#0	100RB#0	37.56	40.12	PASS
CA_41C	16QAM	100RB+100RB	41292+41490	100RB#0	100RB#0	37.48	39.96	PASS
CA_41C	16QAM	100RB+100RB	39948+39750	100RB#0	100RB#0	37.48	39.88	PASS
CA_41C	16QAM	100RB+100RB	40719+40521	100RB#0	100RB#0	37.56	40.12	PASS
CA_41C	16QAM	100RB+100RB	41490+41292	100RB#0	100RB#0	37.48	39.96	PASS
CA_41C	64QAM	100RB+100RB	39750+39948	100RB#0	100RB#0	37.56	39.96	PASS
CA_41C	64QAM	100RB+100RB	40521+40719	100RB#0	100RB#0	37.64	40.12	PASS
CA_41C	64QAM	100RB+100RB	41292+41490	100RB#0	100RB#0	37.32	39.96	PASS
CA_41C	64QAM	100RB+100RB	39948+39750	100RB#0	100RB#0	37.56	39.96	PASS
CA_41C	64QAM	100RB+100RB	40719+40521	100RB#0	100RB#0	37.56	40.04	PASS
CA_41C	64QAM	100RB+100RB	41490+41292	100RB#0	100RB#0	37.56	40.04	PASS

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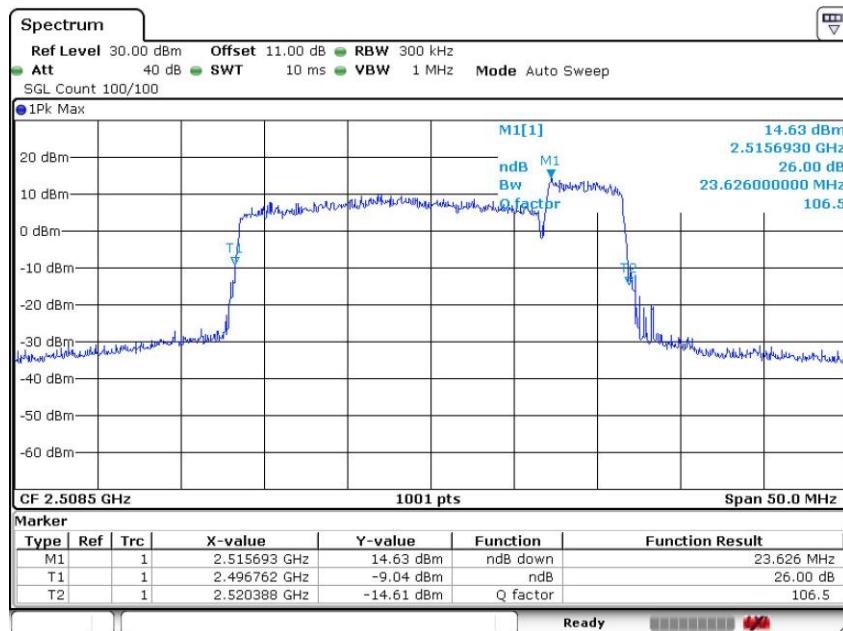
4.1 For LTE

4.1.1 Test Band = LTE Band CA_41C

CA_41C_QPSK_100RB+25RB_39750+39867_PCC:100RB#0_SCC:25RB#0



Date: 12.FEB.2020 03:24:43



Date: 12.FEB.2020 03:27:50

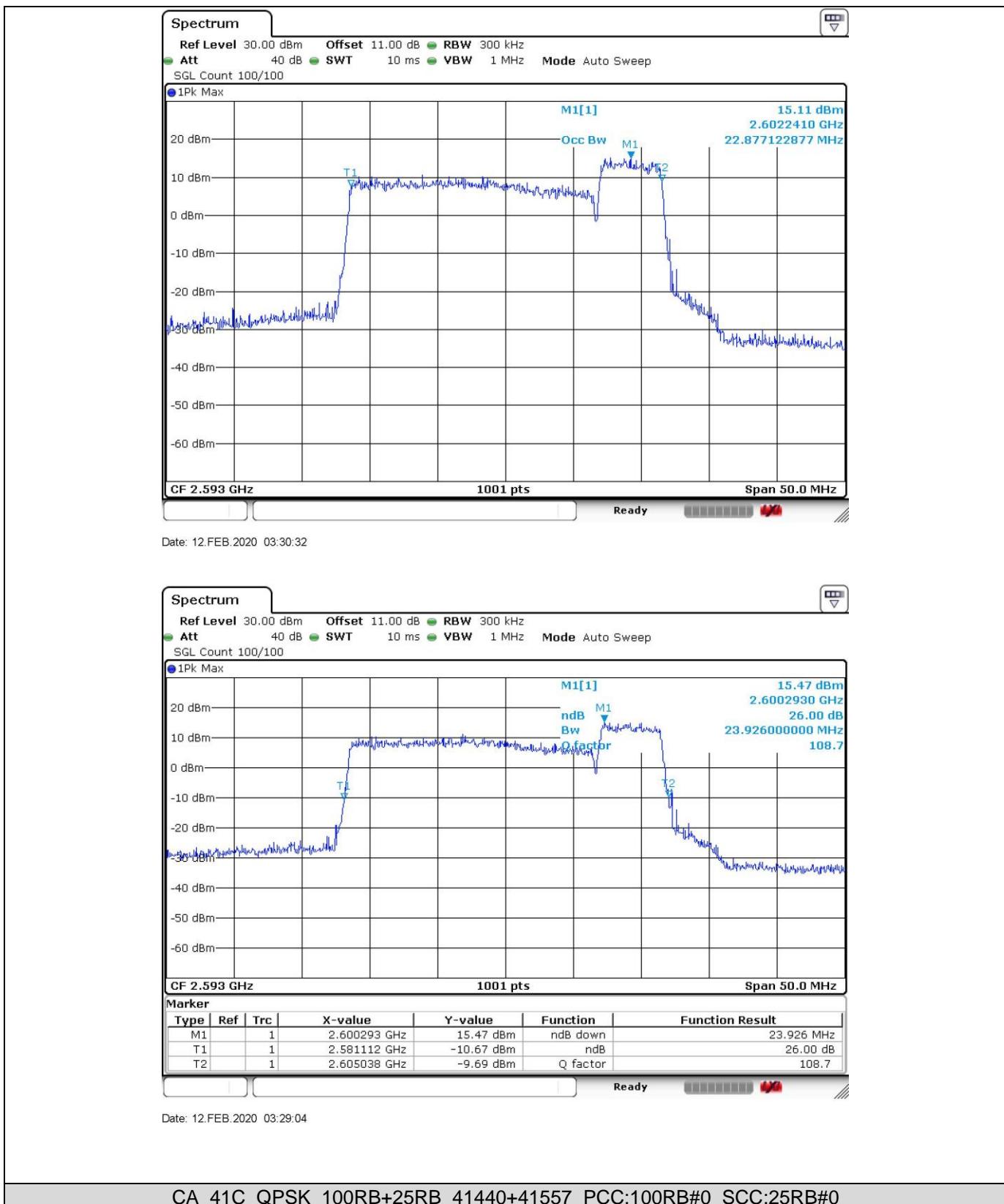
CA_41C_QPSK_100RB+25RB_40595+40712_PCC:100RB#0_SCC:25RB#0

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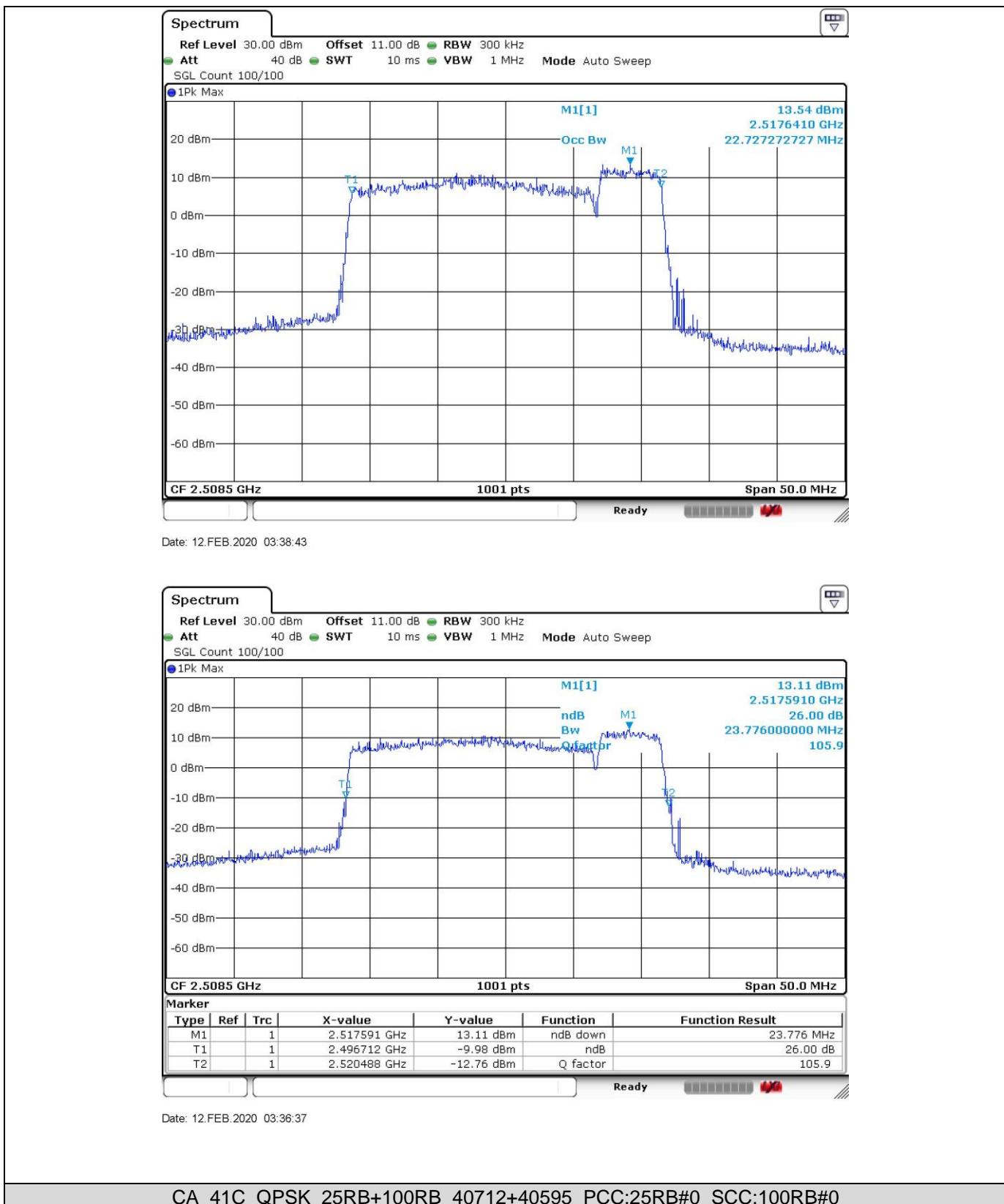
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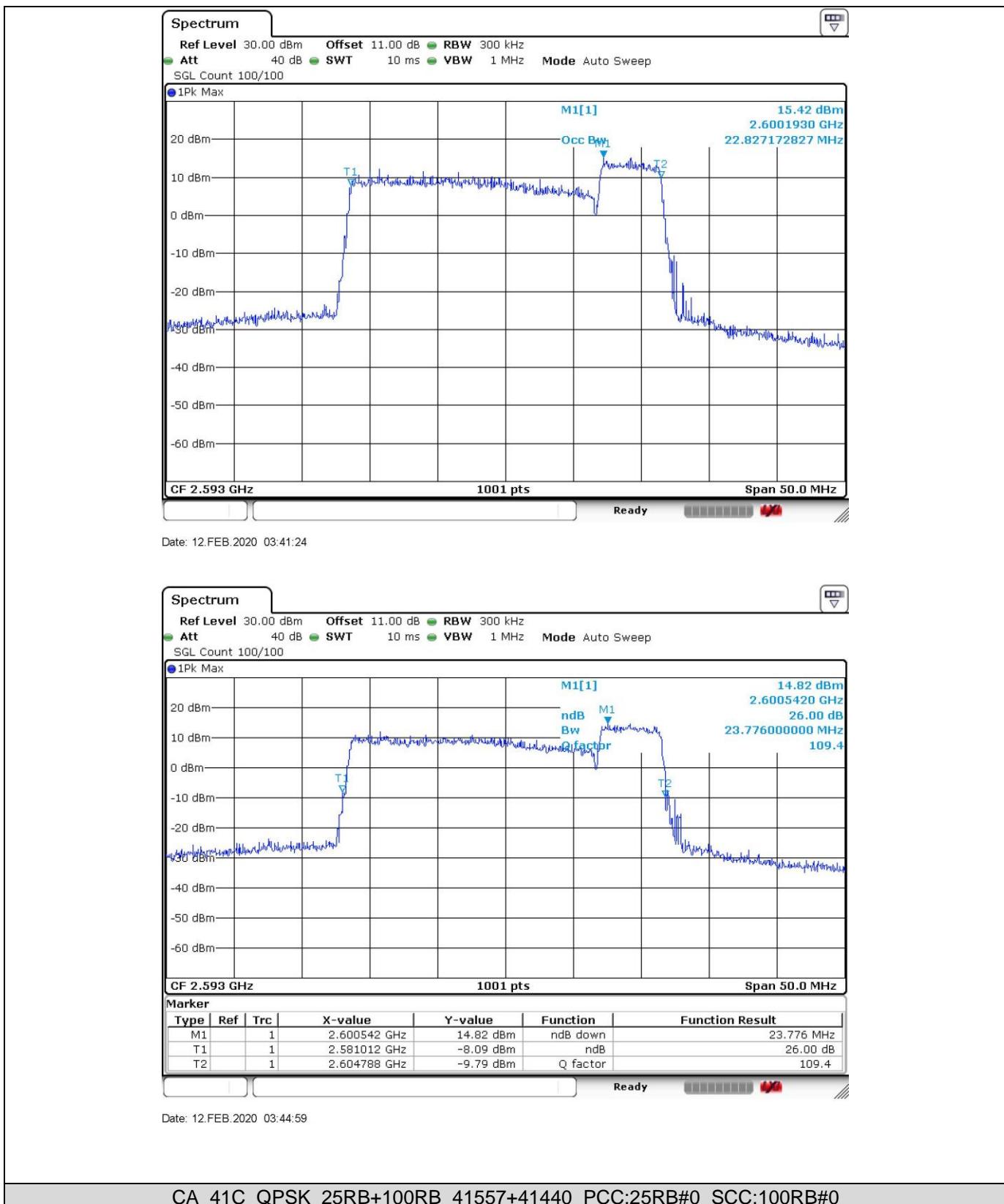
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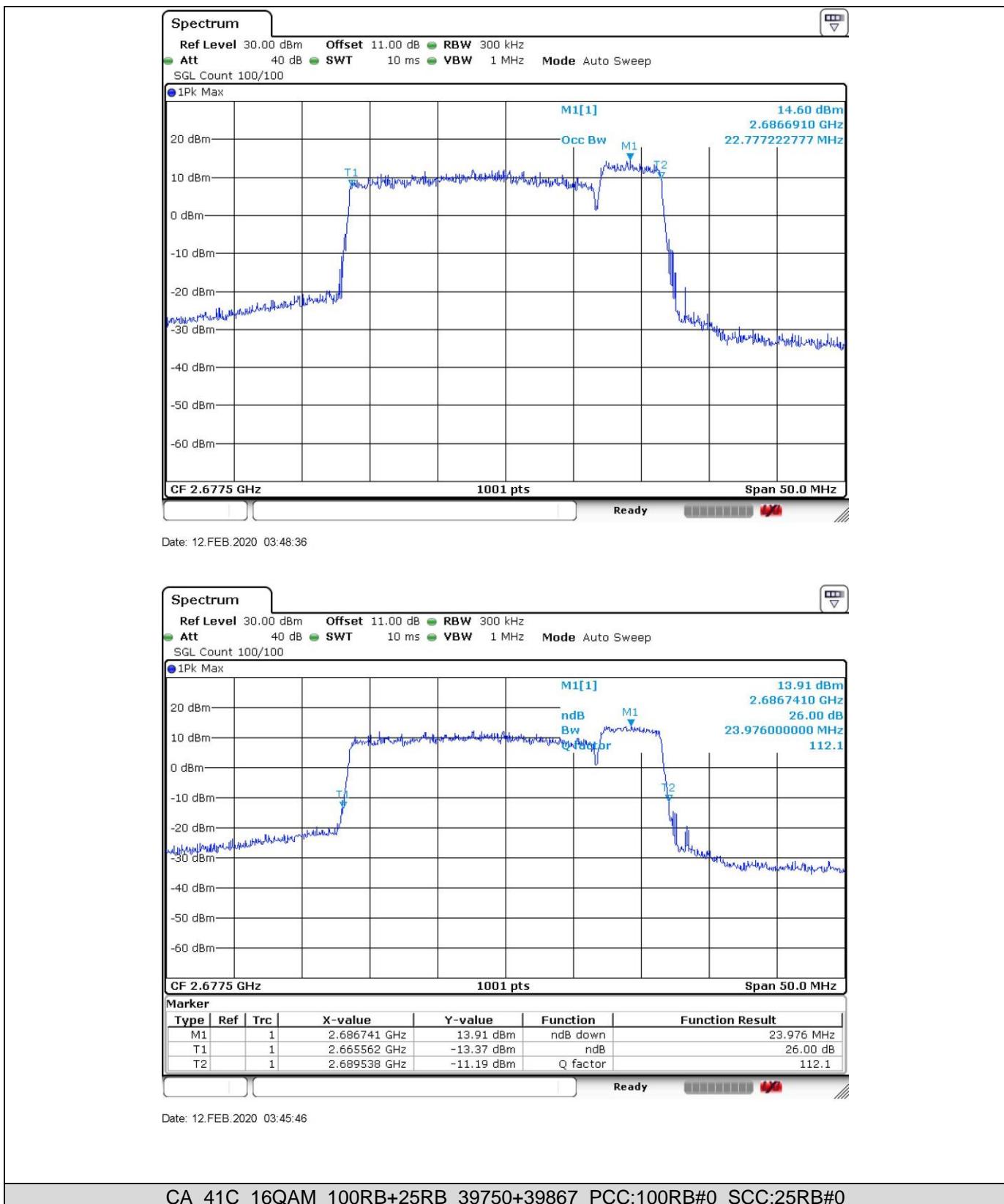
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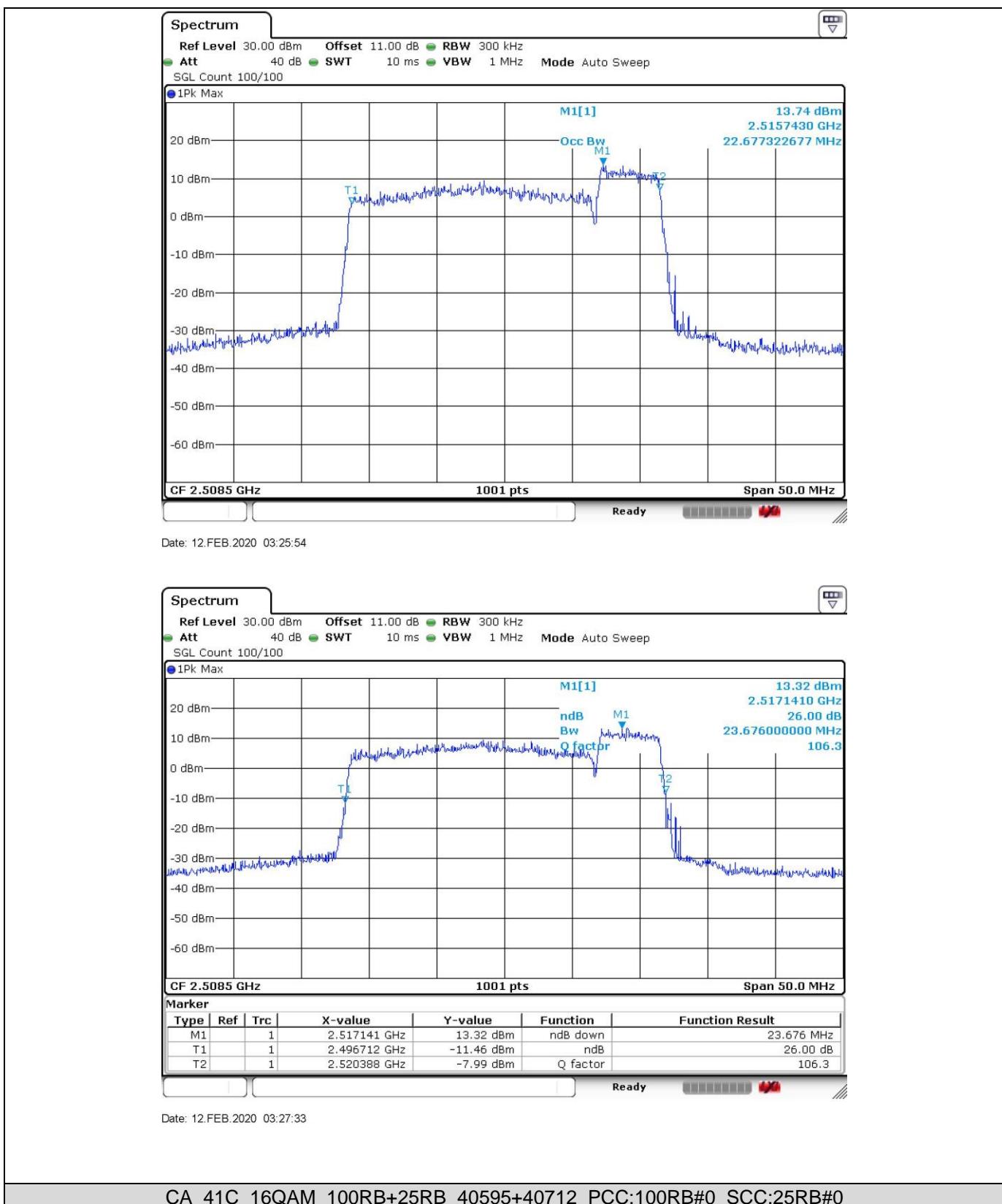
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