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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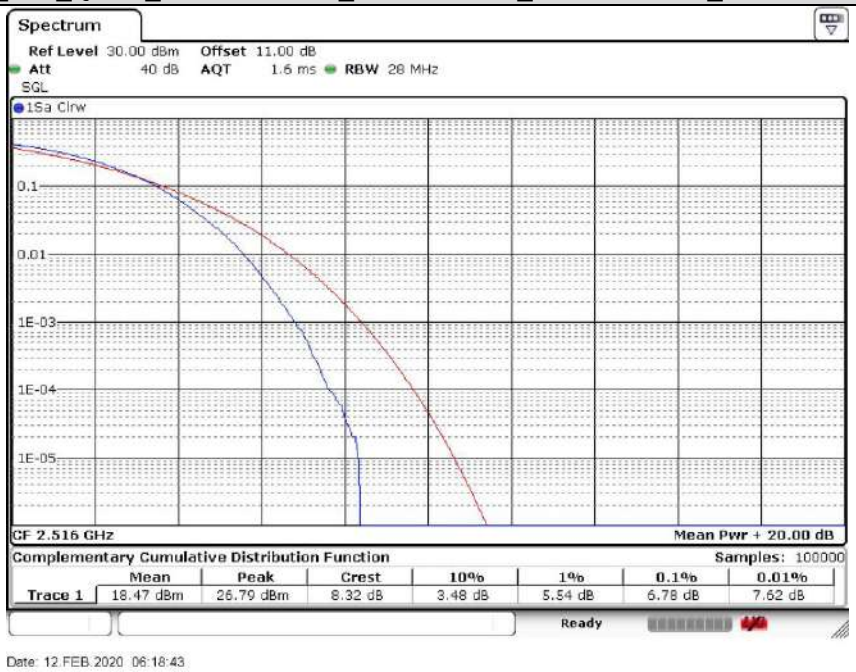
Part II - Test Plots

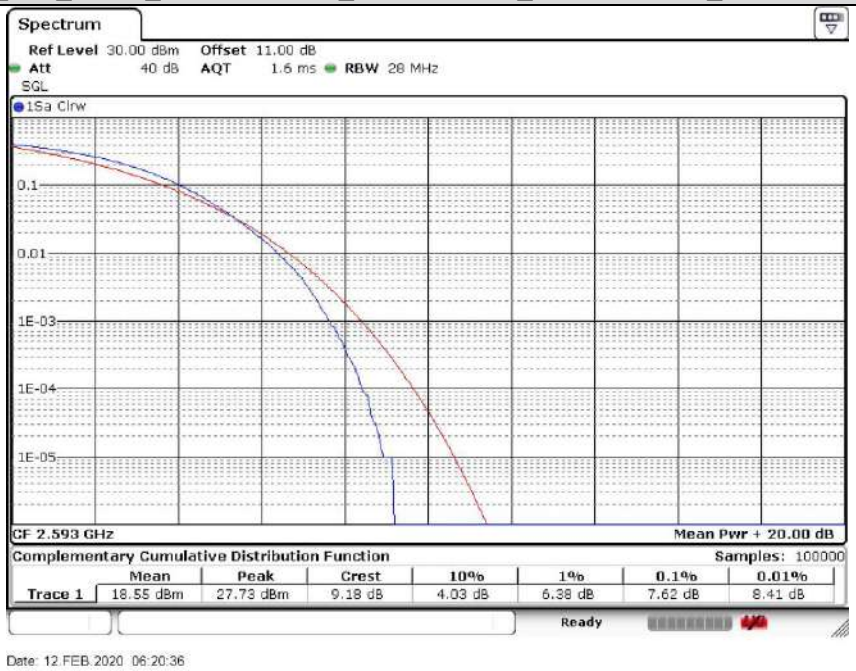
2.1 For LTE

2.1.1 Test Band = LTE Band CA_41C

CA_41C_QPSK_100RB+100RB_39750+39948_PCC:100RB#0_SCC:100RB#0



CA_41C_QPSK_100RB+100RB_40521+40719_PCC:100RB#0_SCC:100RB#0



CA_41C_QPSK_100RB+100RB_41292+41490_PCC:100RB#0_SCC:100RB#0

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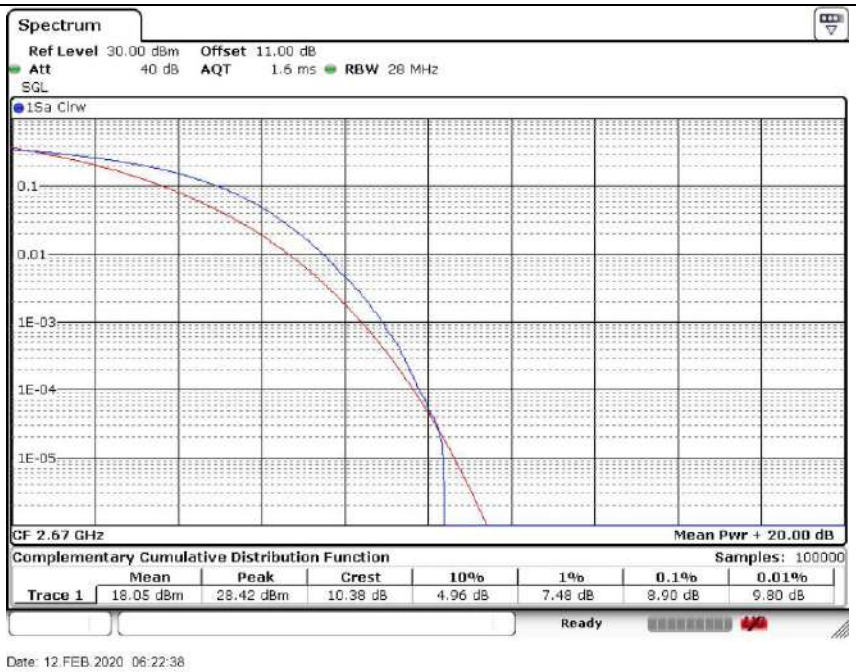
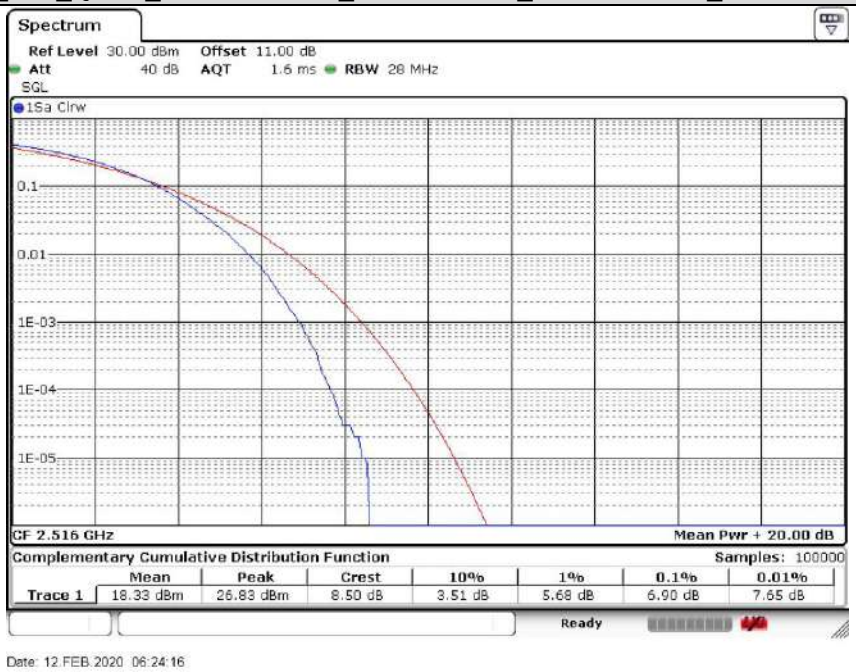


CA_41C_QPSK_100RB+100RB_39867+39750_PCC:100RB#0_SCC:100RB#0



CA_41C_QPSK_100RB+100RB_40719+40521_PCC:100RB#0_SCC:100RB#0

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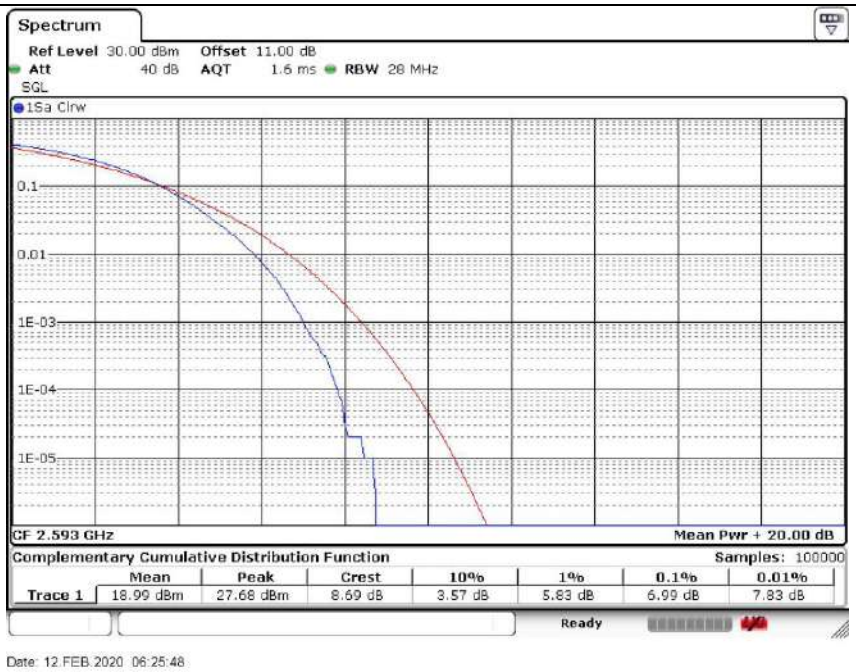

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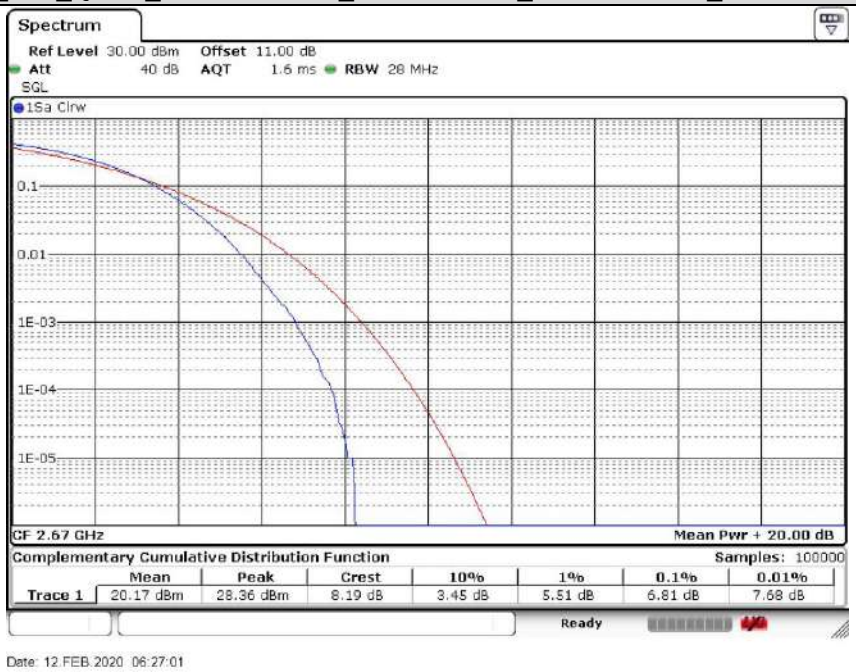

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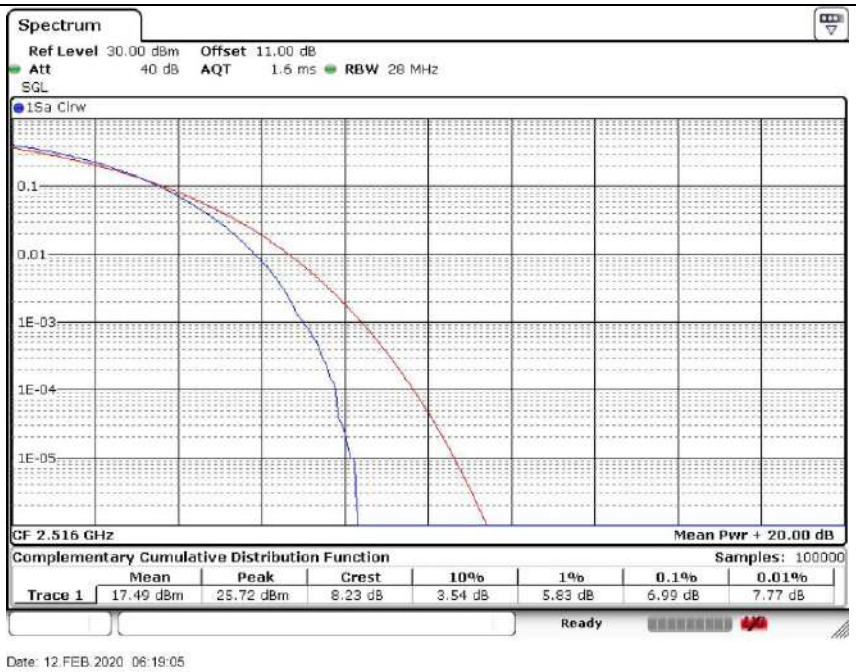

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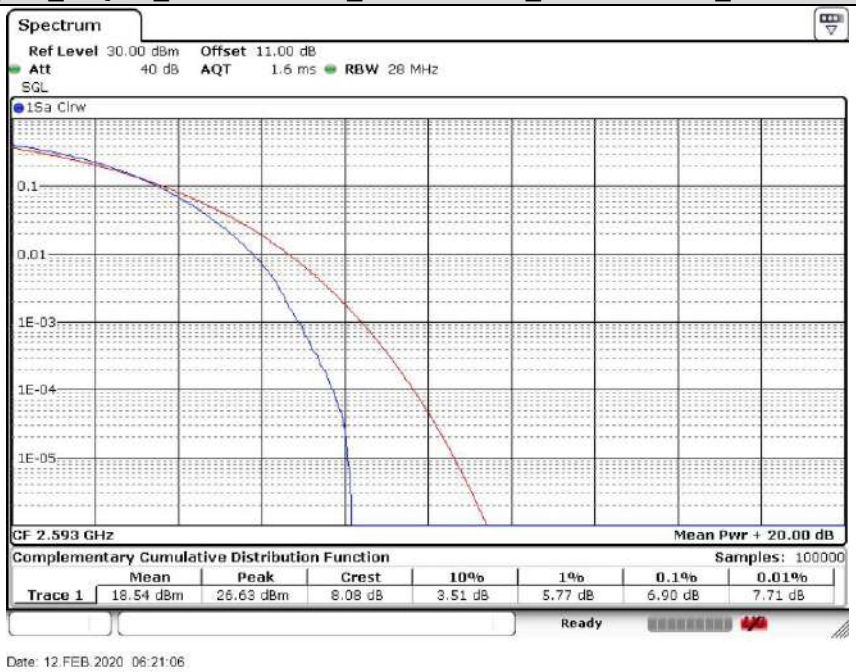

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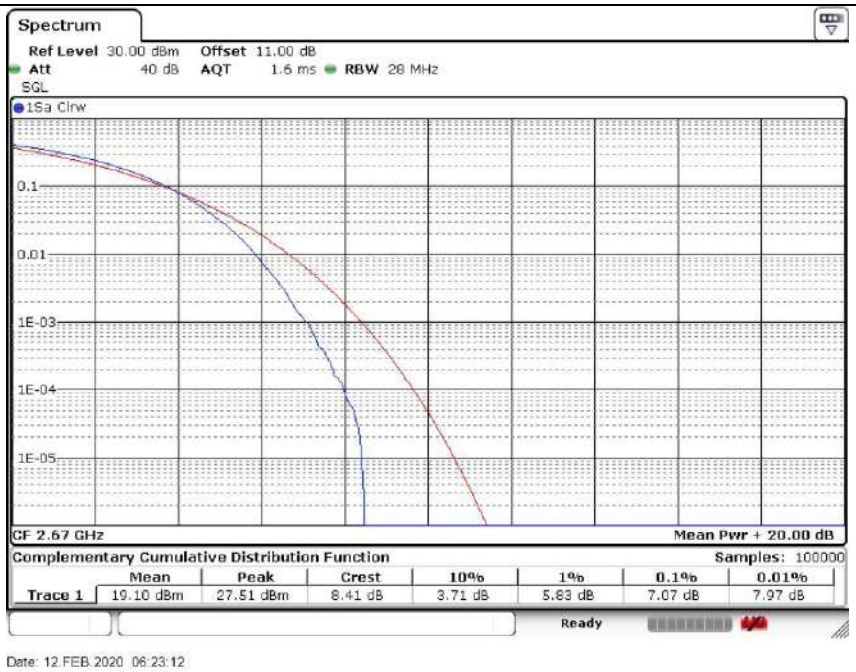

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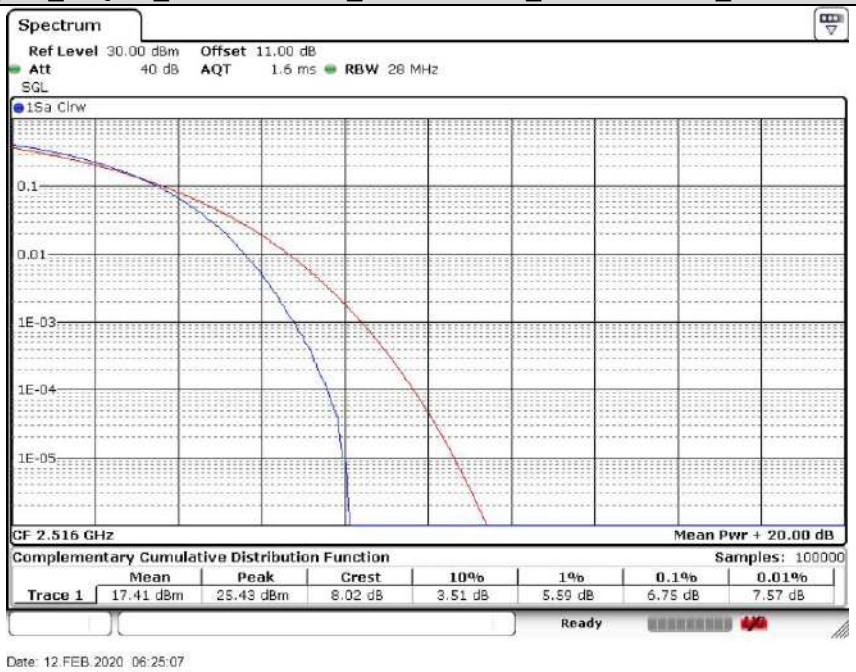

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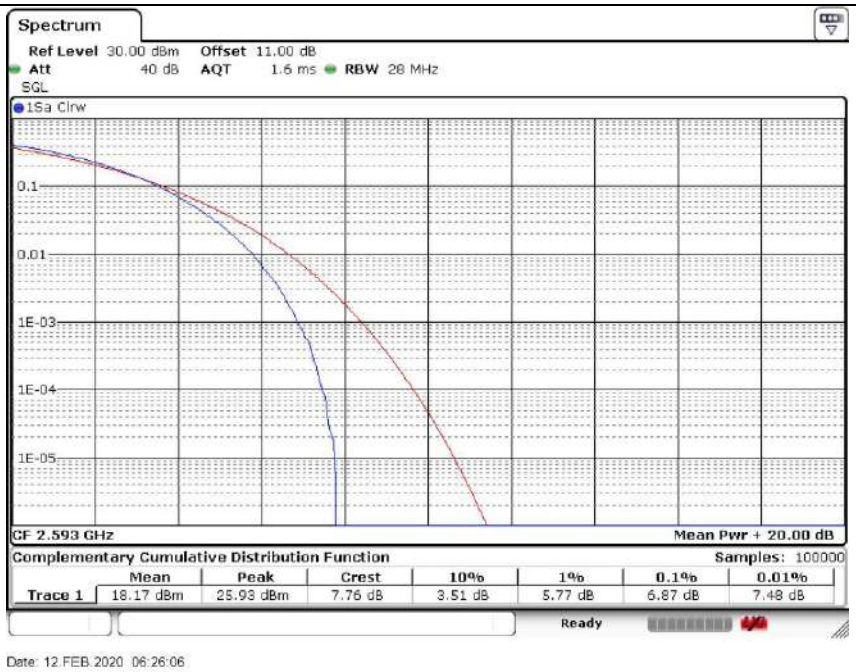

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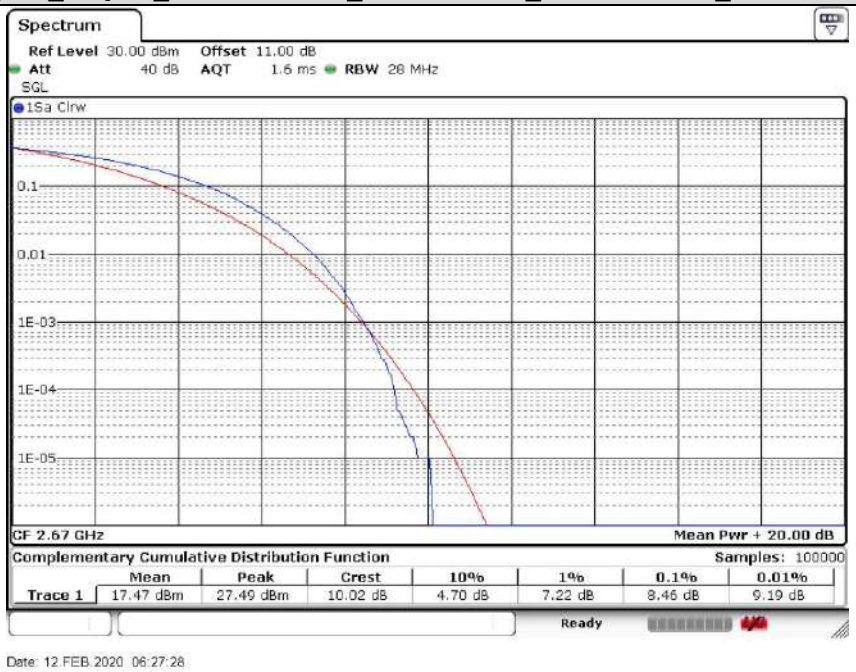

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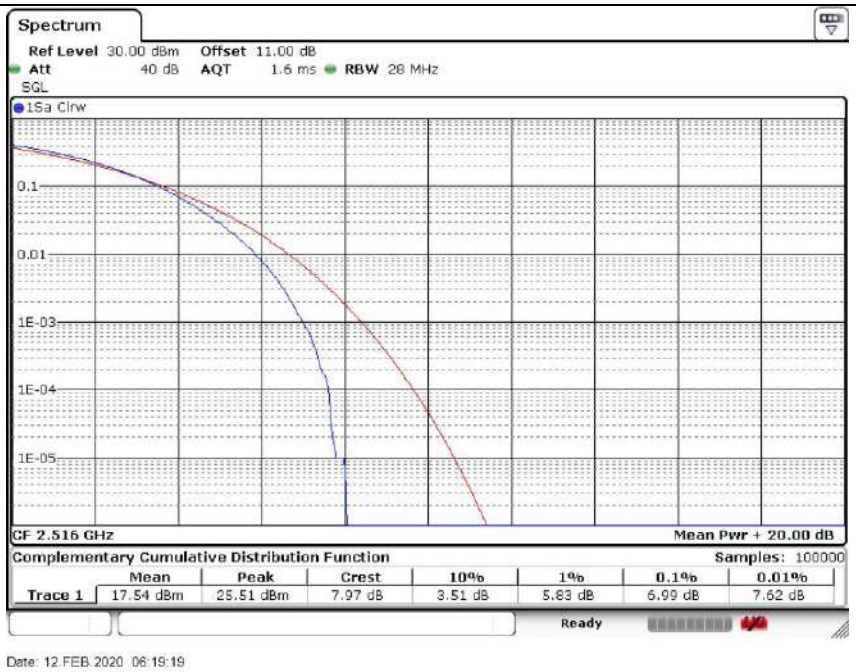

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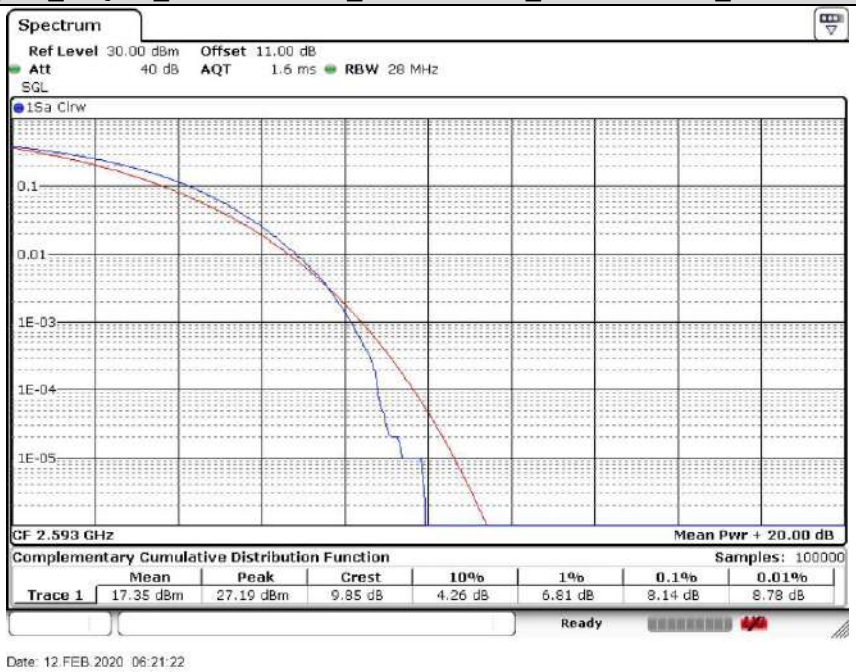

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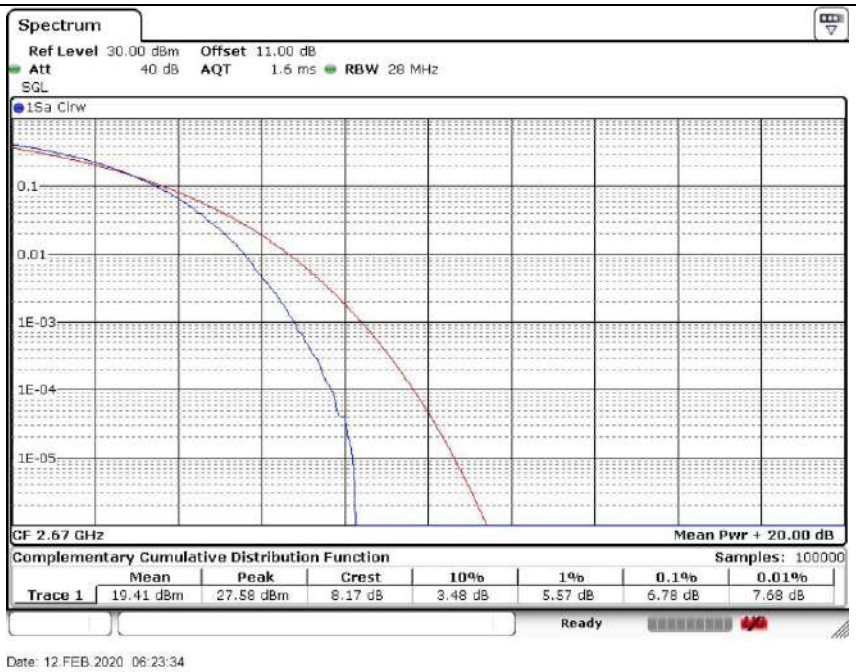

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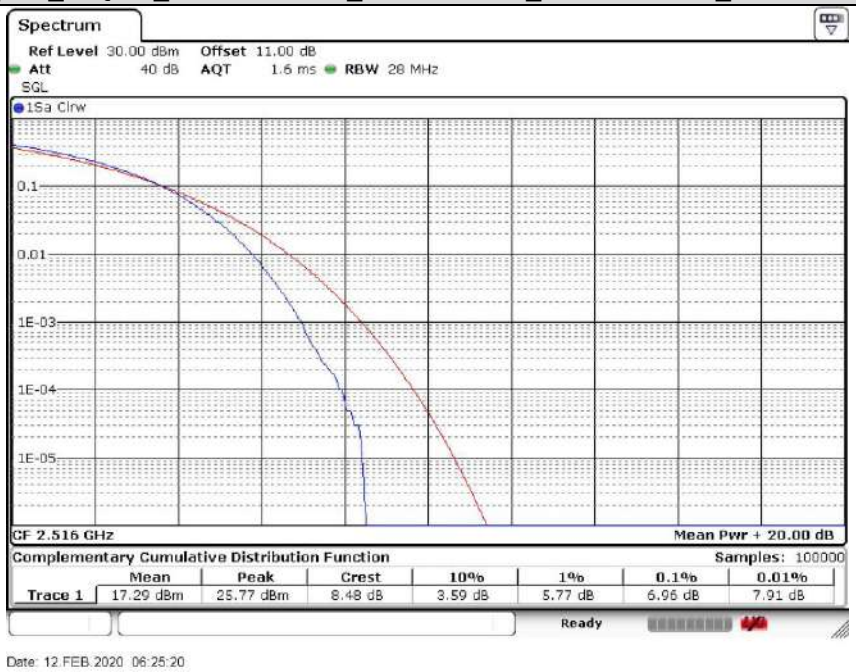

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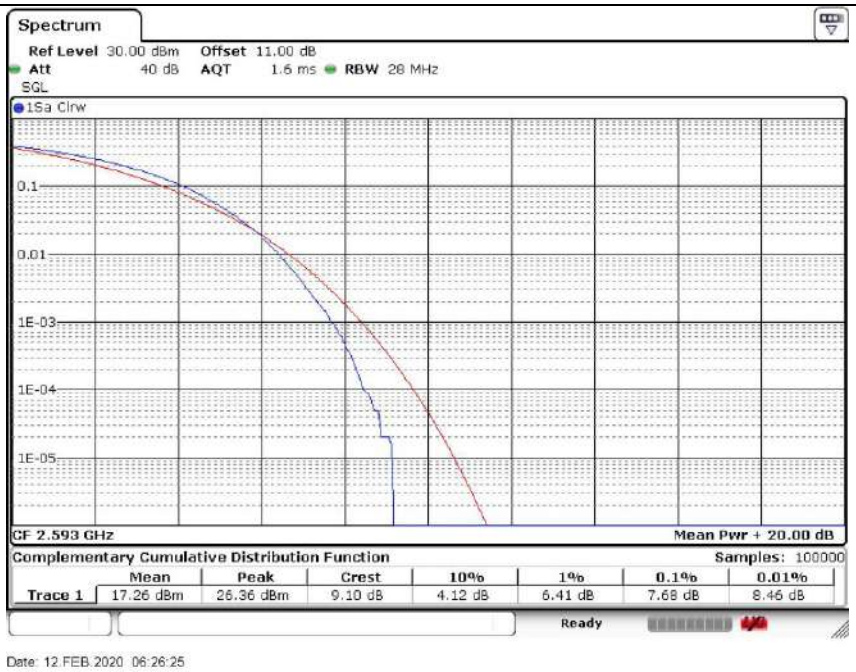

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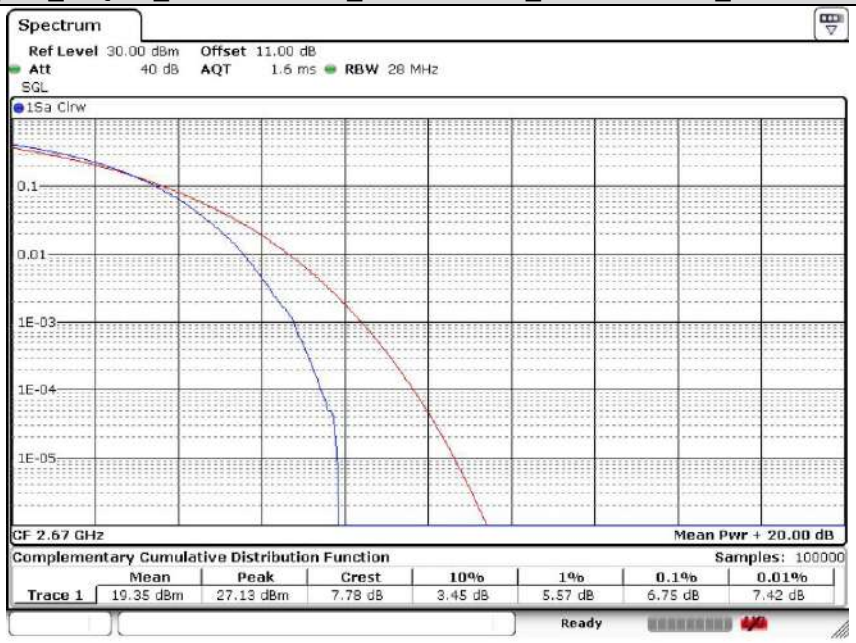

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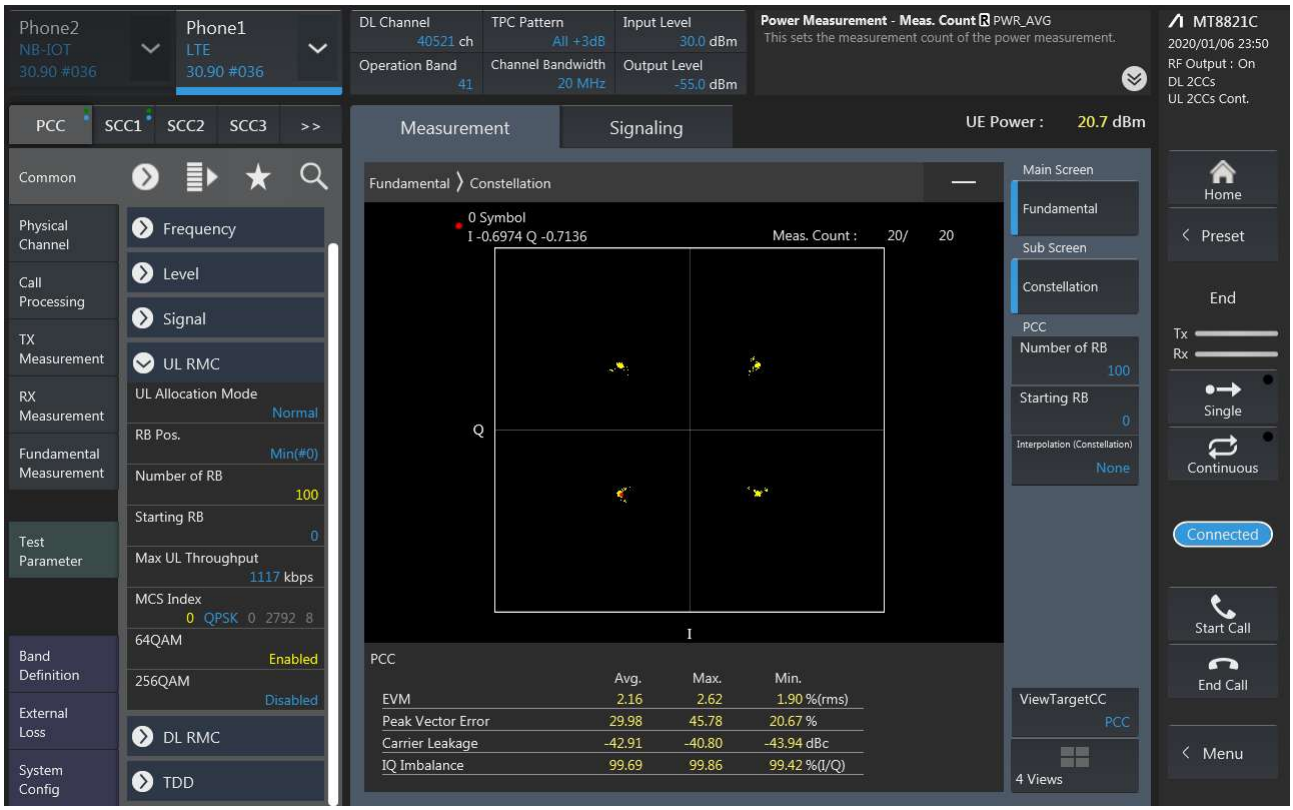
3 Modulation Characteristics

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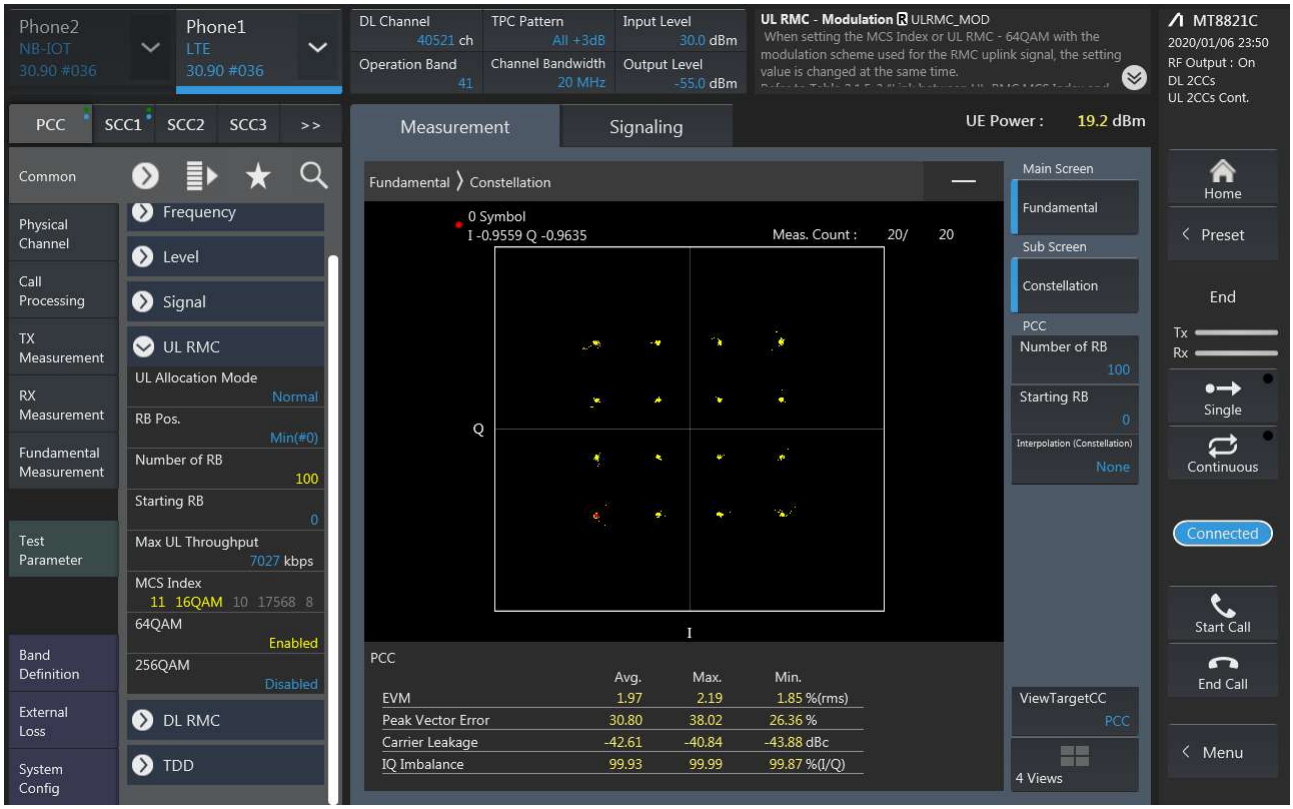
3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB

3.1.1.2.1 Test Channel = 40521+40719



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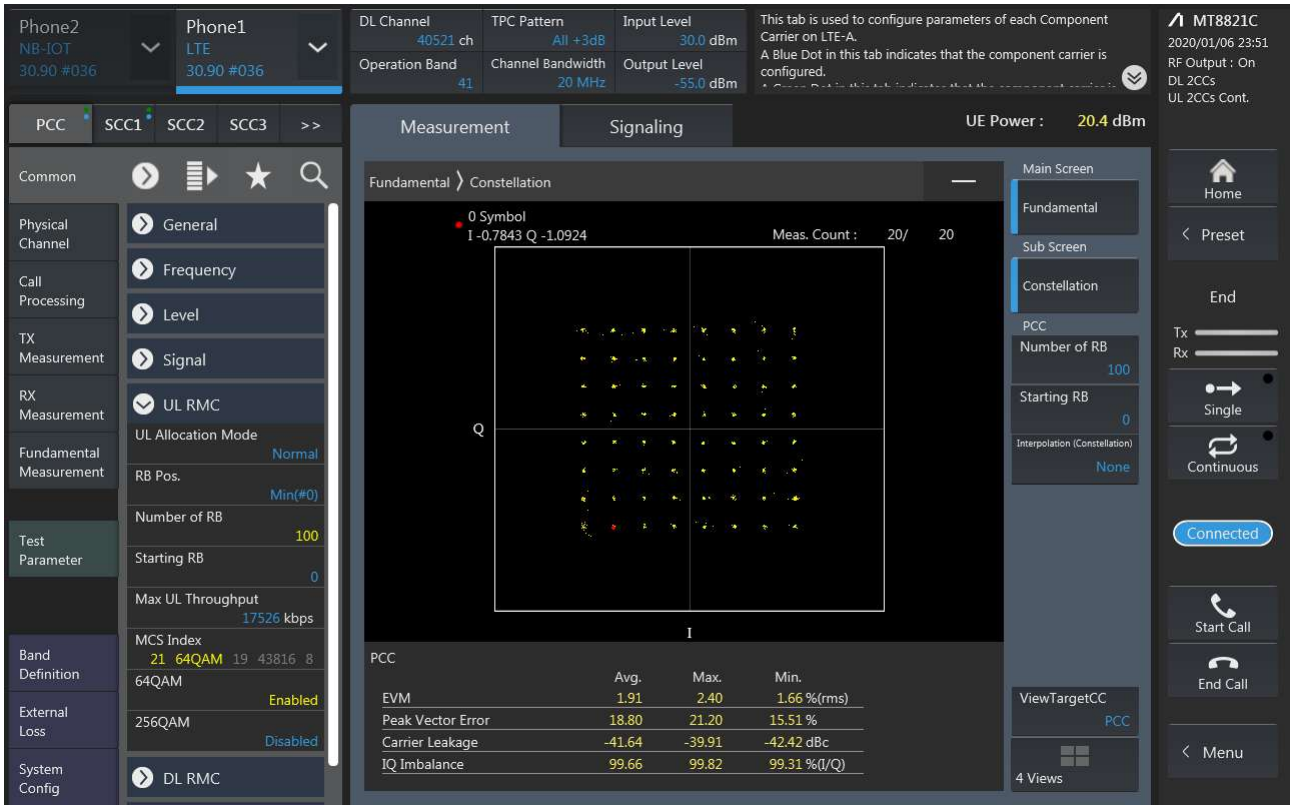
3.1.1.3 Test Mode = LTE /64QAM 100RB+100RB

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

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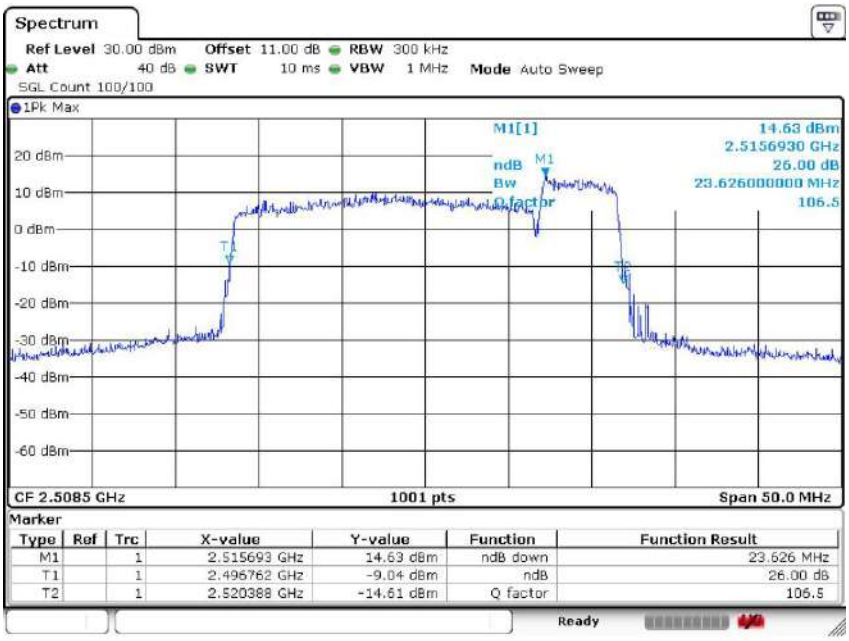

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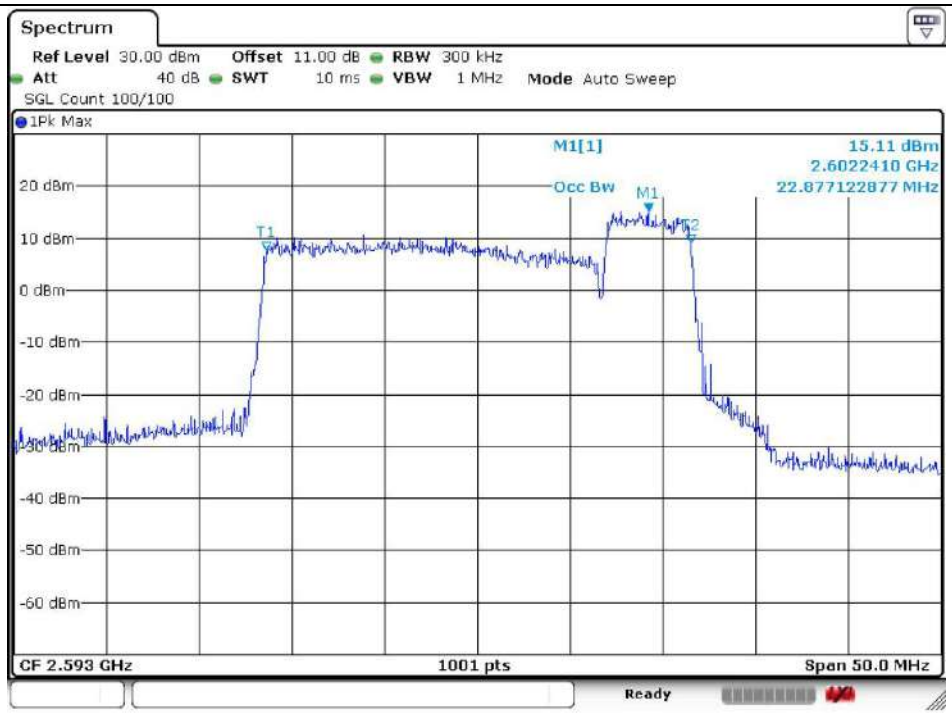

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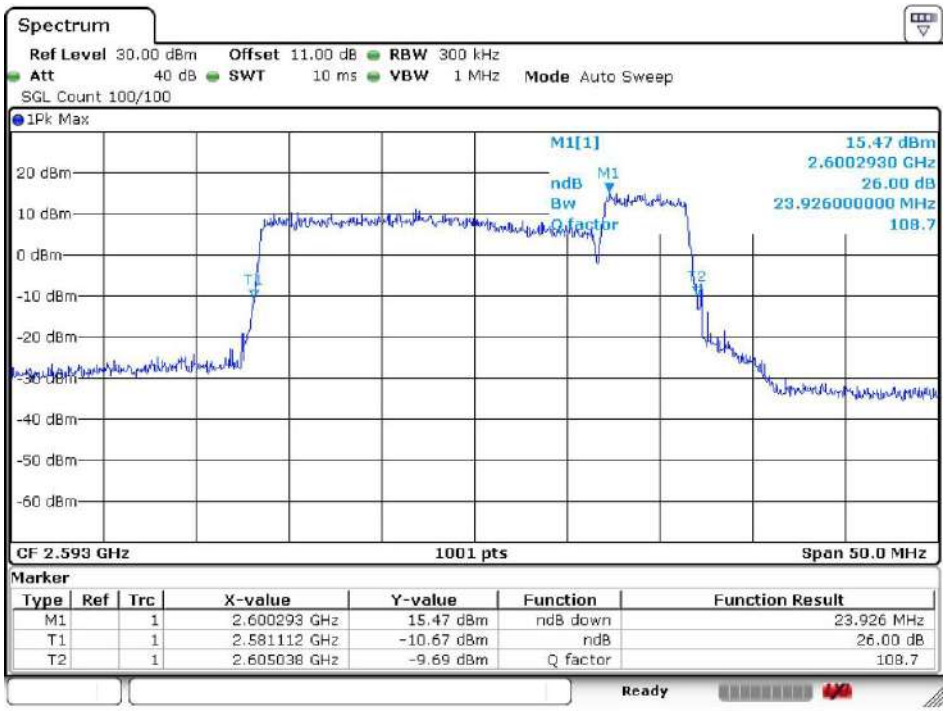

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.600293 GHz	15.47 dBm	ndB down	23.926 MHz
T1		1	2.581112 GHz	-10.67 dBm	ndB	26.00 dB
T2		1	2.605038 GHz	-9.69 dBm	Q factor	108.7

Date: 12.FEB.2020 03:29:04

CA_41C_QPSK_100RB+25RB_41440+41557_PCC:100RB#0_SCC:25RB#0

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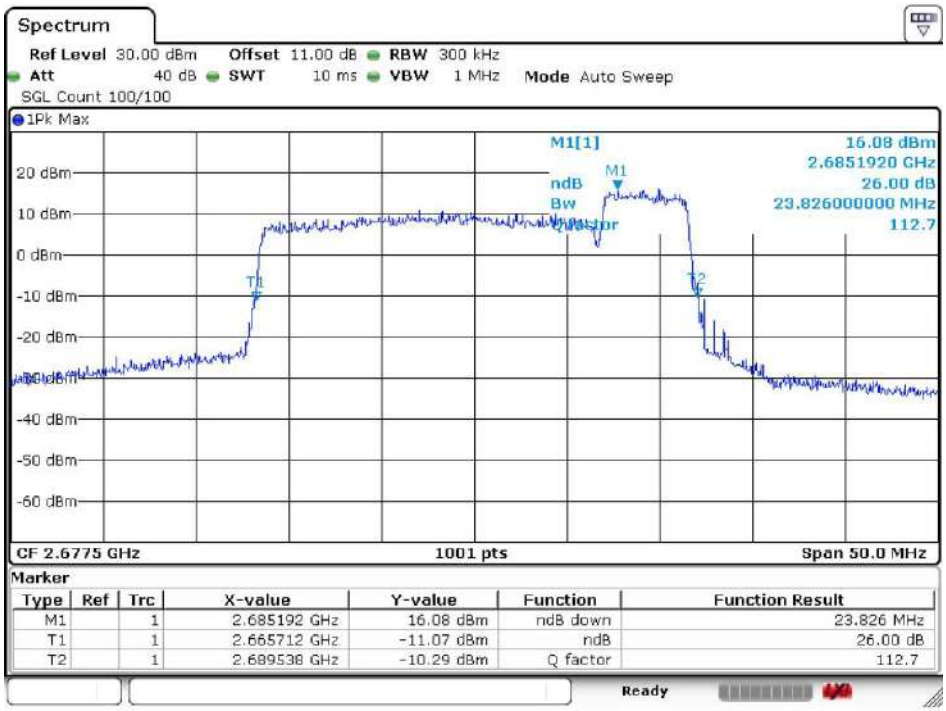

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.685192 GHz	16.08 dBm	ndB down	23.826 MHz
T1		1	2.665712 GHz	-11.07 dBm	ndB	26.00 dB
T2		1	2.689538 GHz	-10.29 dBm	Q factor	112.7

Date: 12.FEB.2020 03:34:22

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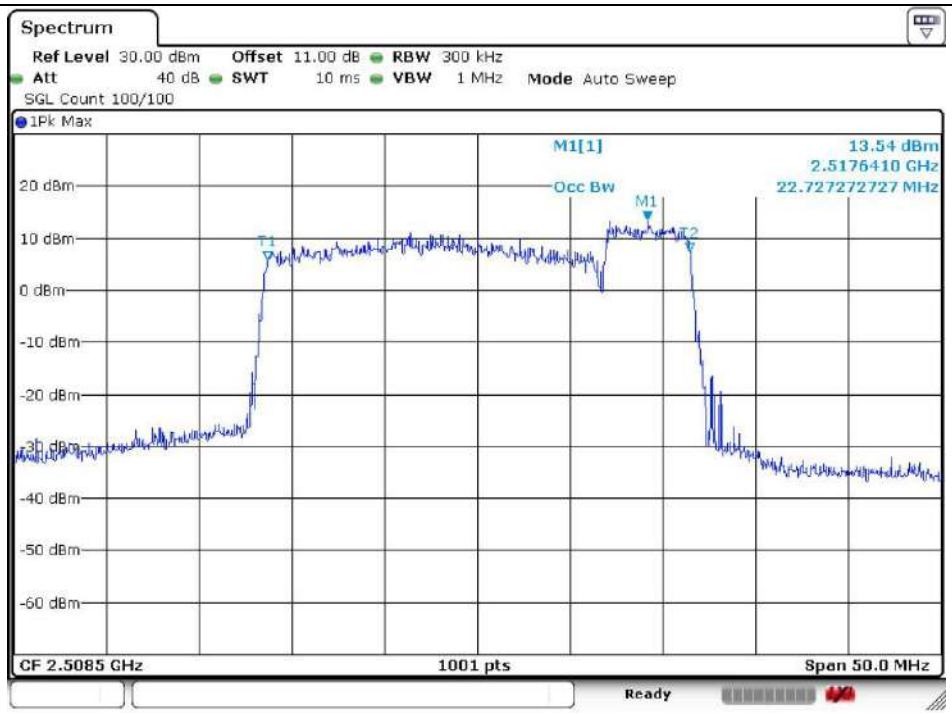

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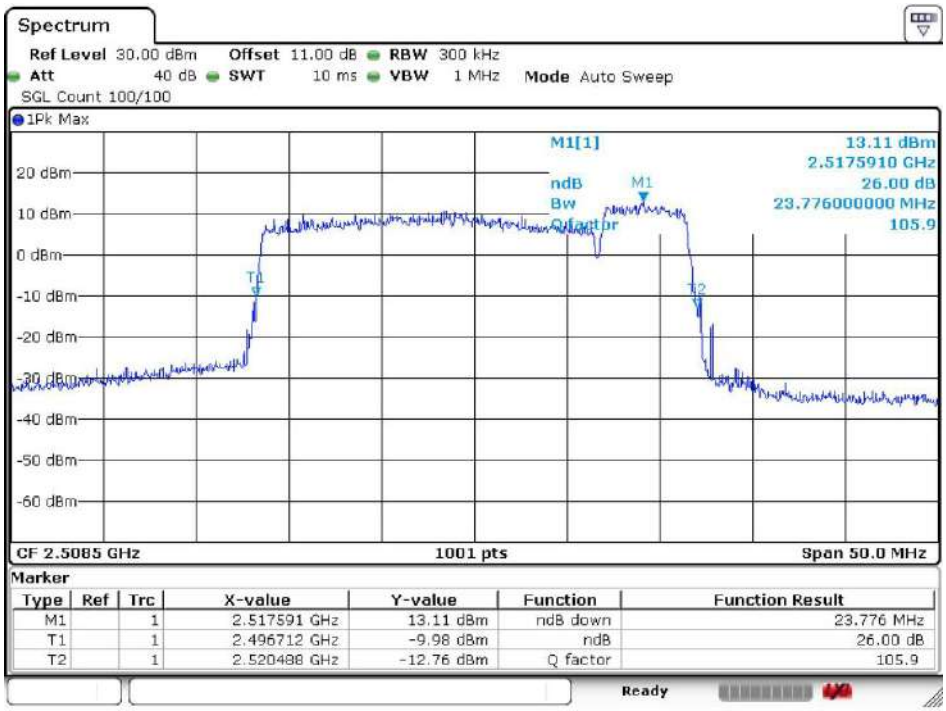

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.517591 GHz	13.11 dBm	ndB down	23.776 MHz
T1		1	2.496712 GHz	-9.98 dBm	ndB	26.00 dB
T2		1	2.520488 GHz	-12.76 dBm	Q factor	105.9

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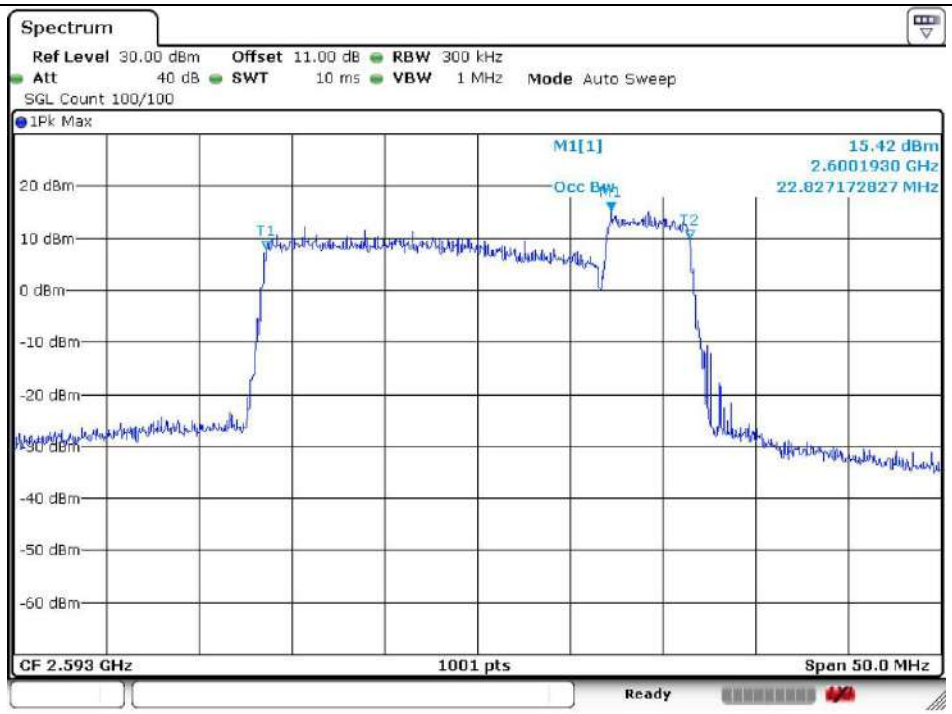

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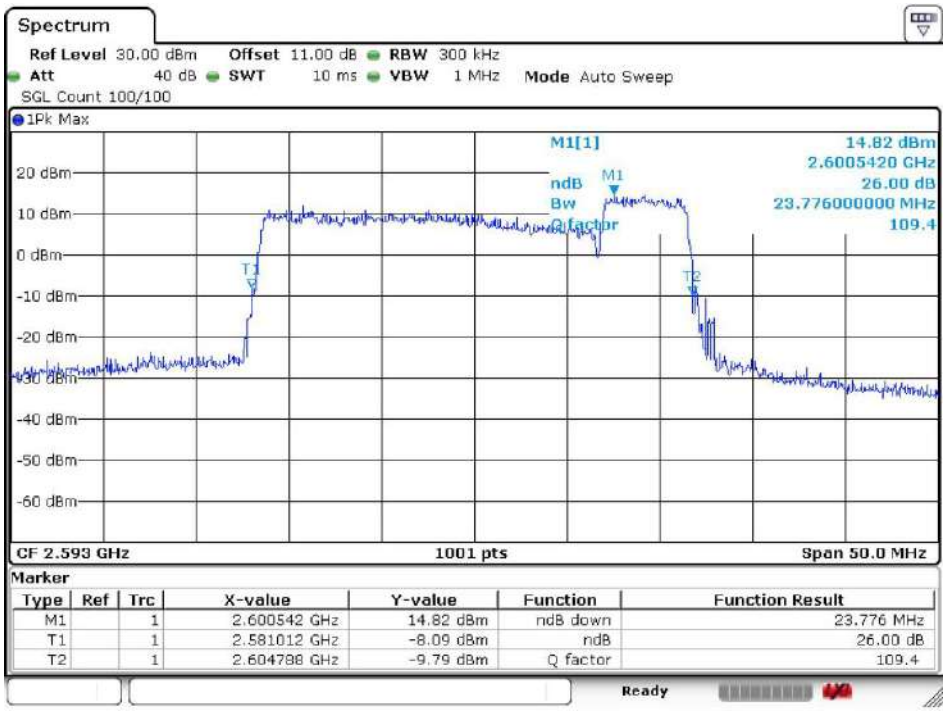

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.600542 GHz	14.82 dBm	ndB down	23.776 MHz
T1		1	2.581012 GHz	-8.09 dBm	ndB	26.00 dB
T2		1	2.604798 GHz	-9.79 dBm	Q factor	109.4

Date: 12.FEB.2020 03:44:59

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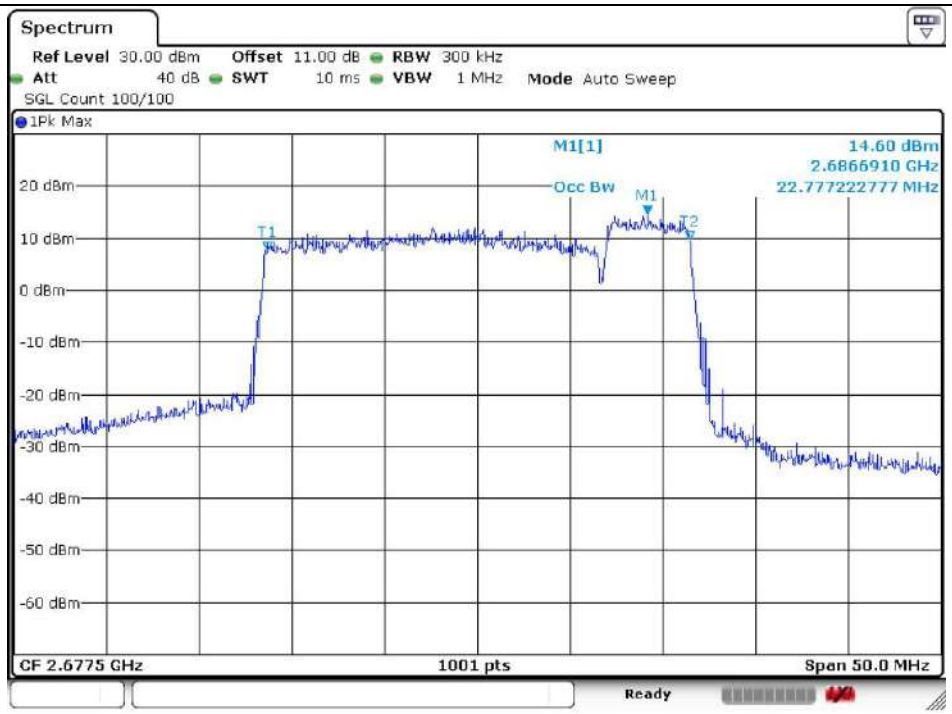

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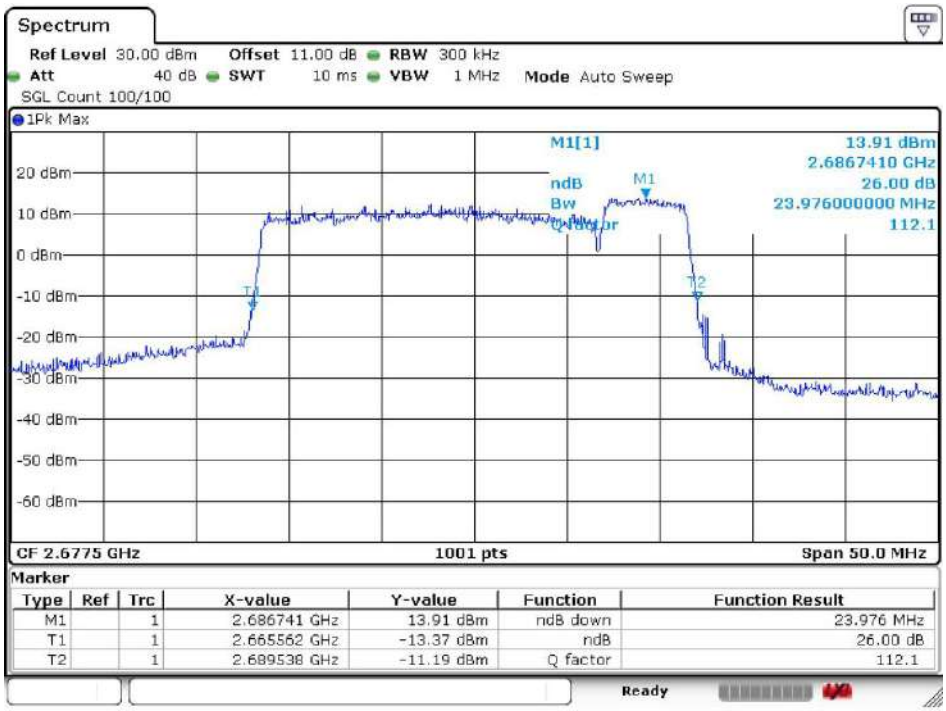

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.686741 GHz	13.91 dBm	ndB down	23.976 MHz
T1		1	2.665562 GHz	-13.37 dBm	ndB	26.00 dB
T2		1	2.689538 GHz	-11.19 dBm	Q factor	112.1

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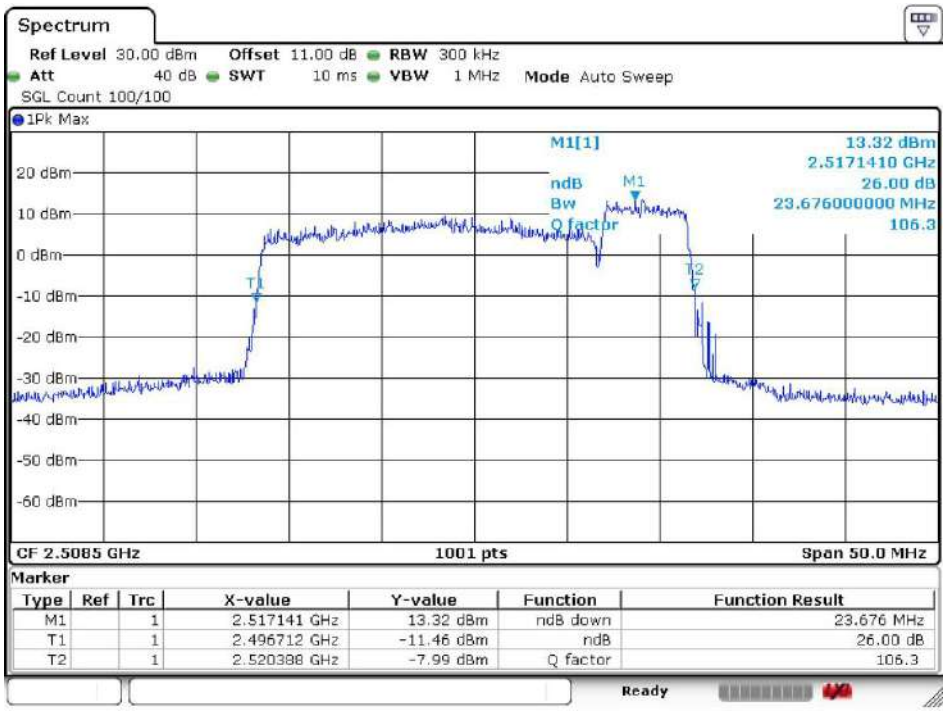

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.517141 GHz	13.32 dBm	ndB down	23.676 MHz
T1		1	2.496712 GHz	-11.46 dBm	ndB	26.00 dB
T2		1	2.520388 GHz	-7.99 dBm	Q factor	106.3

Date: 12.FEB.2020 03:27:33

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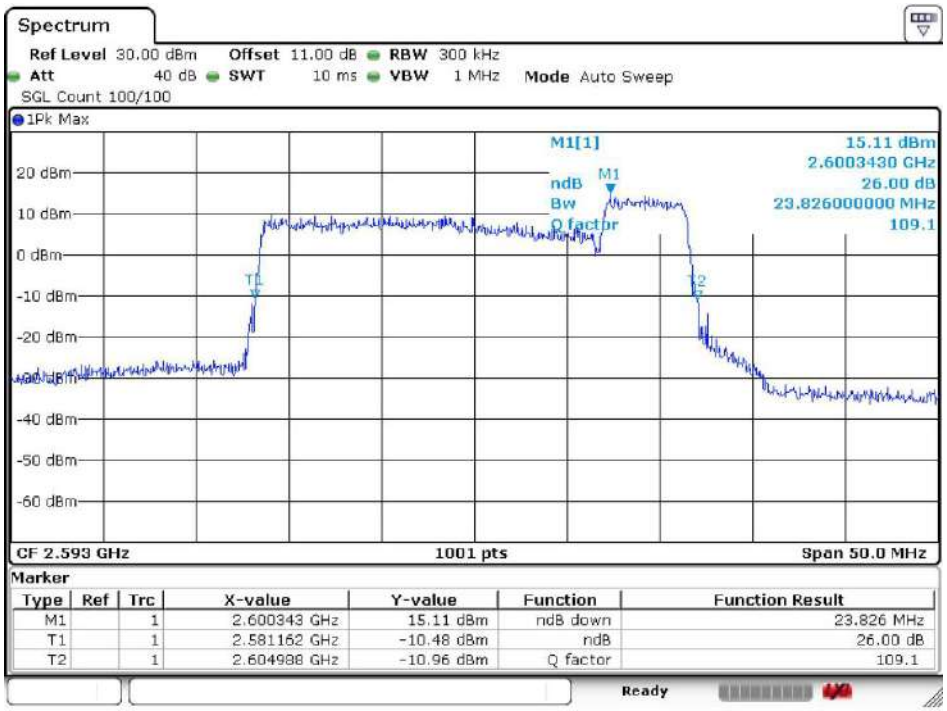

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.600343 GHz	15.11 dBm	ndB down	23.826 MHz
T1		1	2.581162 GHz	-10.48 dBm	ndB	26.00 dB
T2		1	2.604988 GHz	-10.96 dBm	Q factor	109.1

Date: 12.FEB.2020 03:29:25

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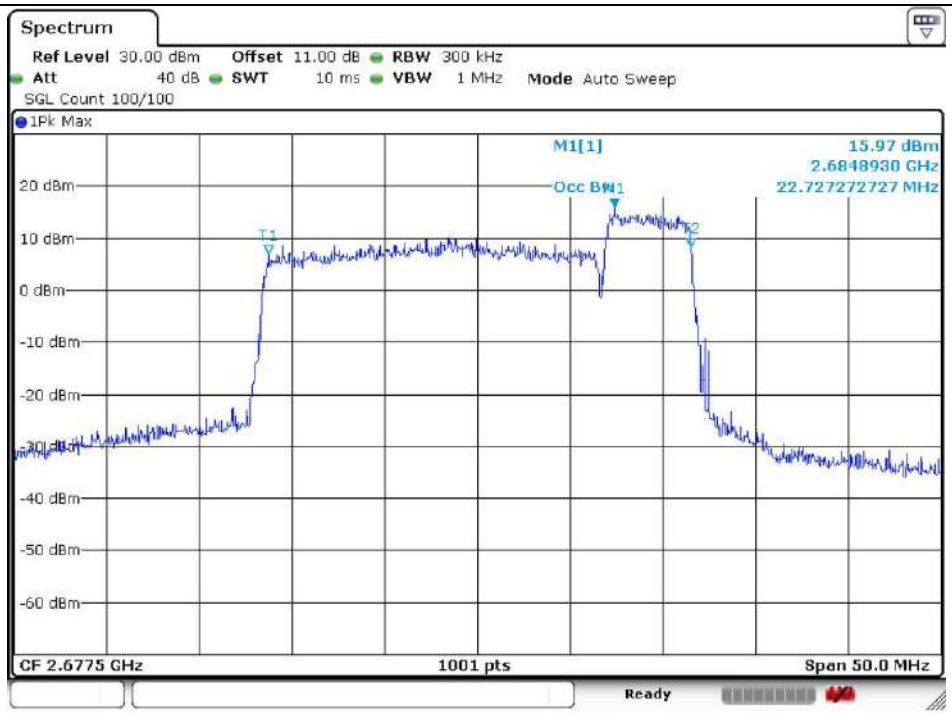

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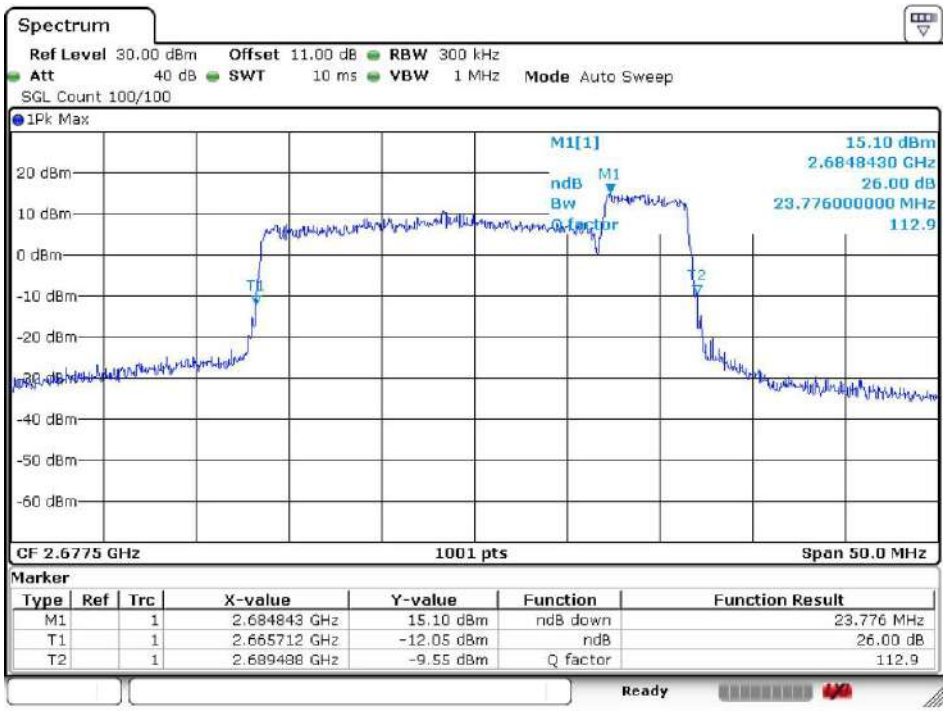

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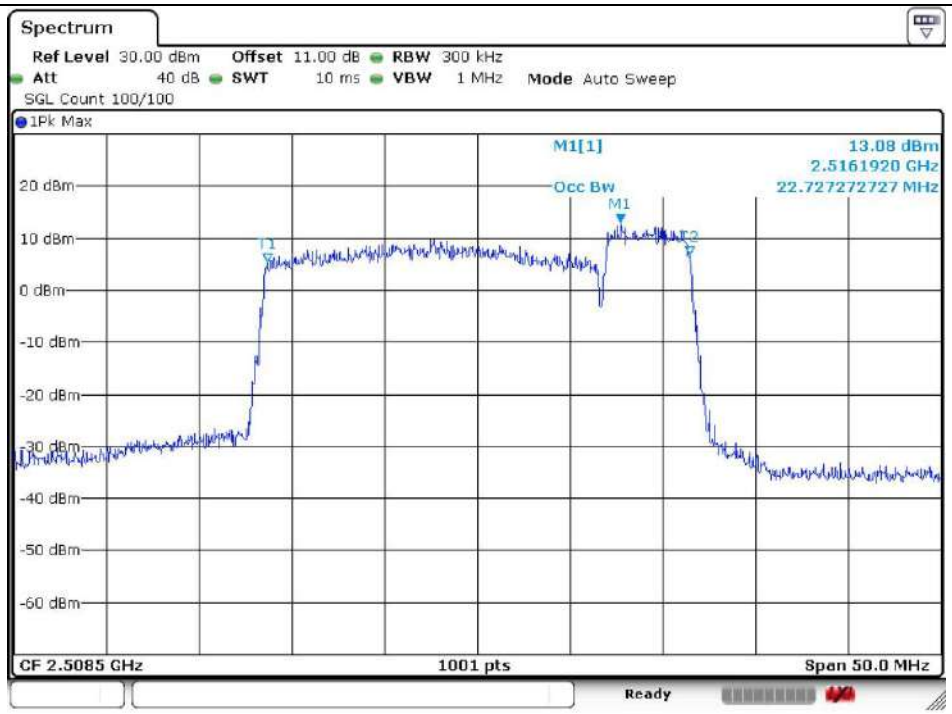

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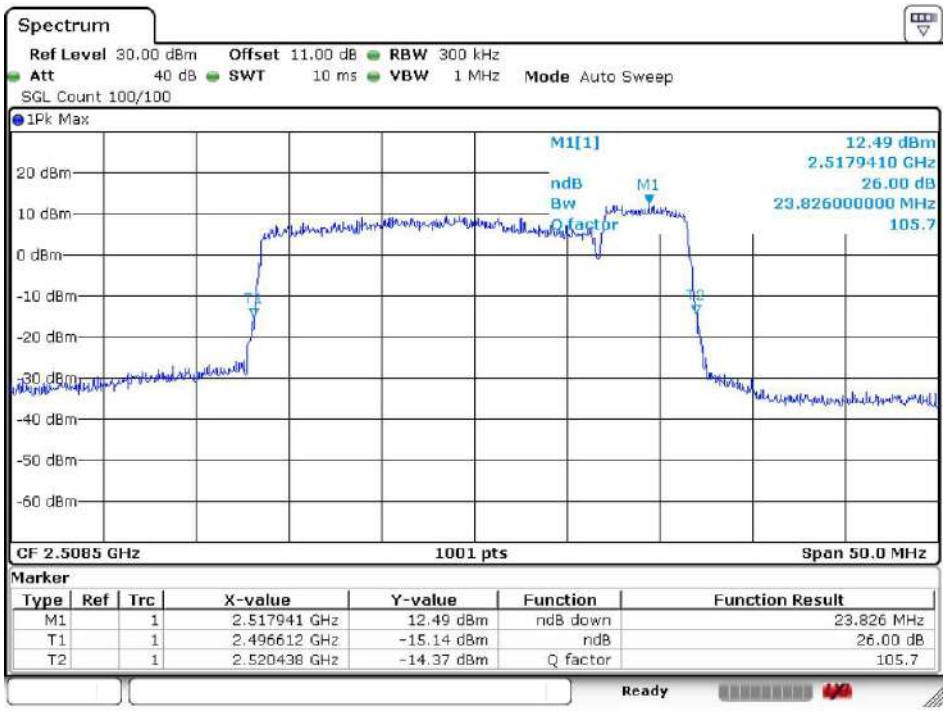

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.517941 GHz	12.49 dBm	ndB down	23.826 MHz
T1		1	2.496612 GHz	-15.14 dBm	ndB	26.00 dB
T2		1	2.520438 GHz	-14.37 dBm	Q factor	105.7

Date: 12.FEB.2020 03:37:20

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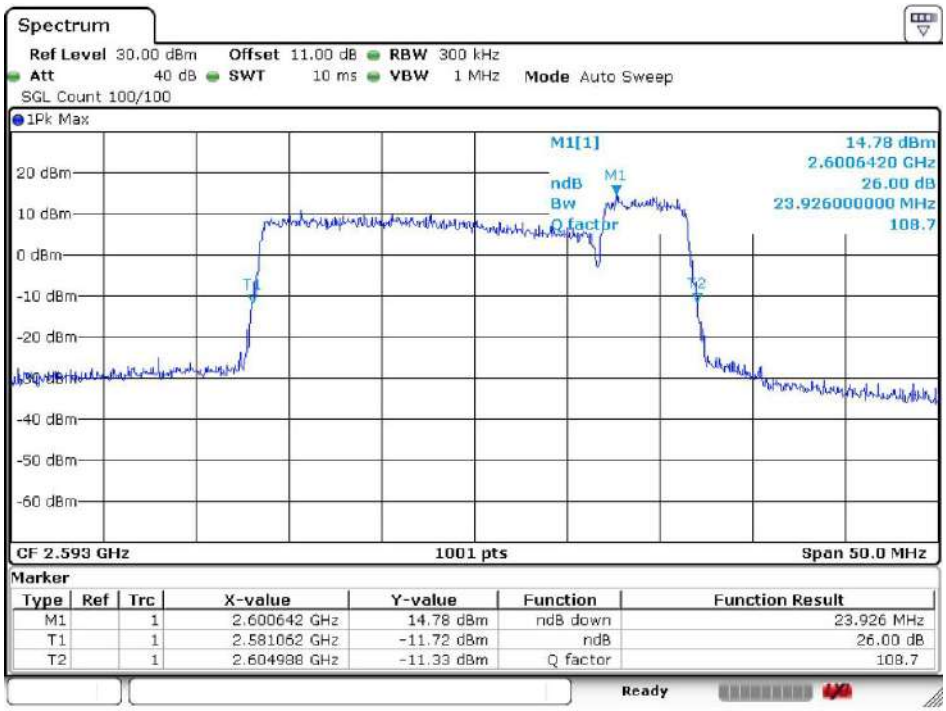

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.600642 GHz	14.78 dBm	ndB down	23.926 MHz
T1		1	2.581062 GHz	-11.72 dBm	ndB	26.00 dB
T2		1	2.604988 GHz	-11.33 dBm	Q factor	108.7

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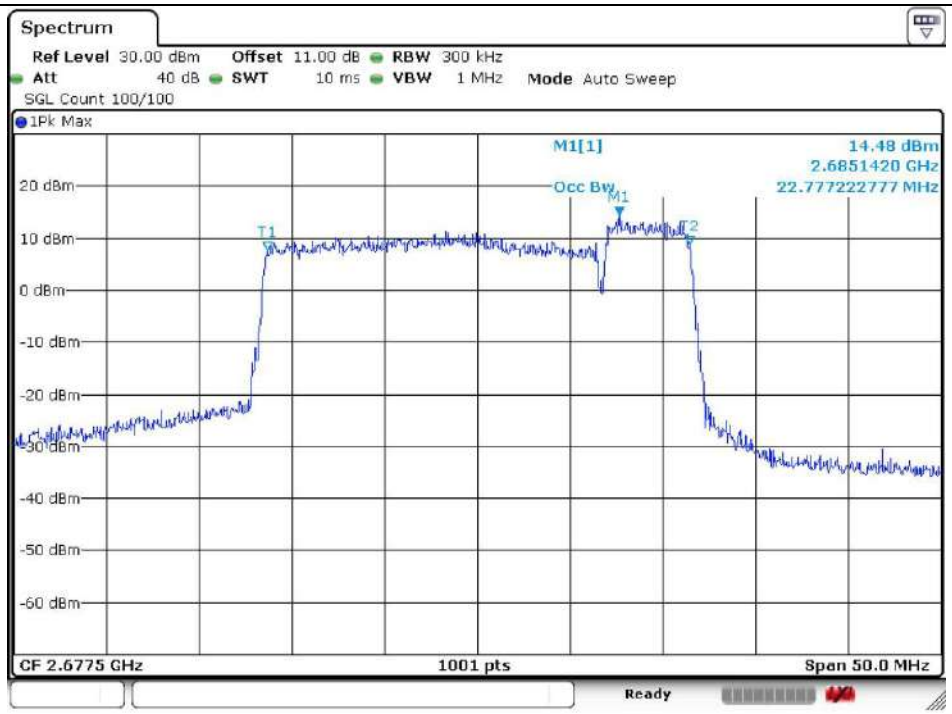

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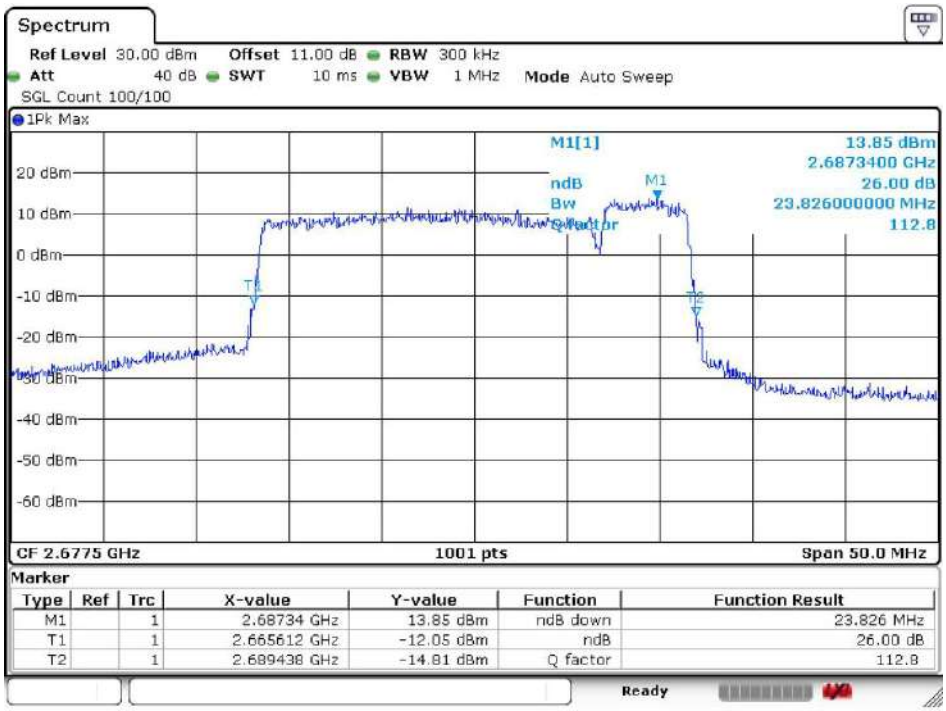

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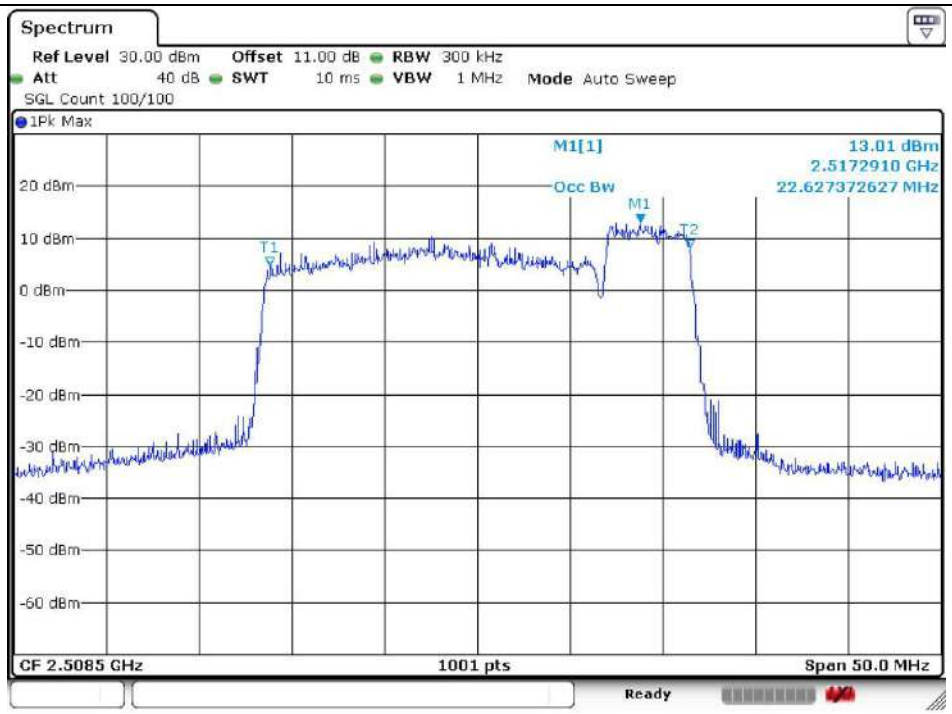

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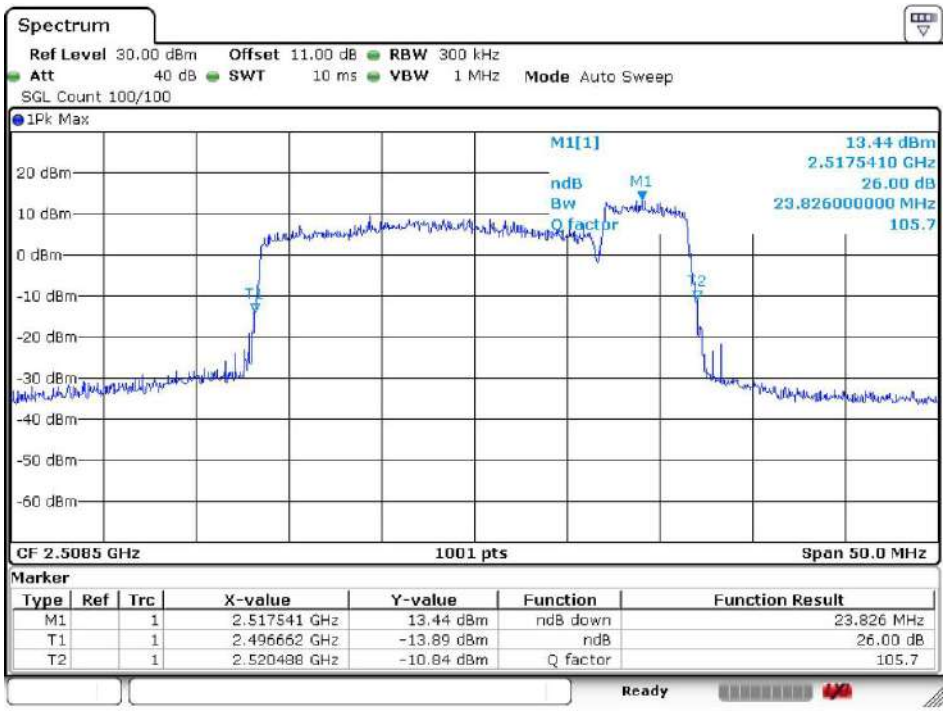

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.517541 GHz	13.44 dBm	ndB down	23.826 MHz
T1		1	2.496662 GHz	-13.89 dBm	ndB	26.00 dB
T2		1	2.520488 GHz	-10.84 dBm	Q factor	105.7

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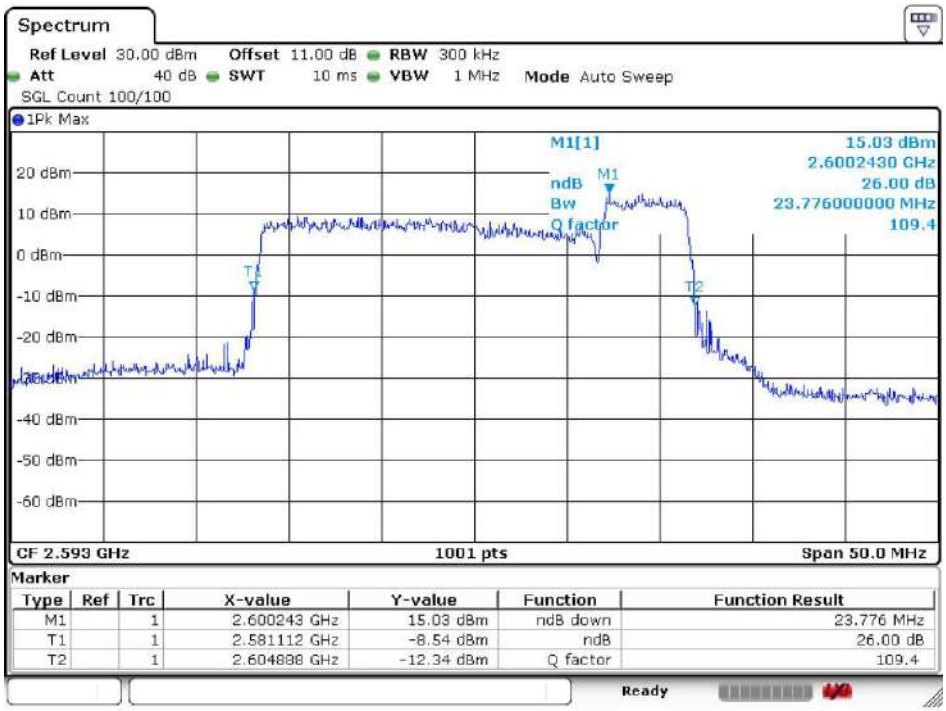

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.600243 GHz	15.03 dBm	ndB down	23.776 MHz
T1		1	2.581112 GHz	-8.54 dBm	ndB	26.00 dB
T2		1	2.604888 GHz	-12.34 dBm	Q factor	109.4

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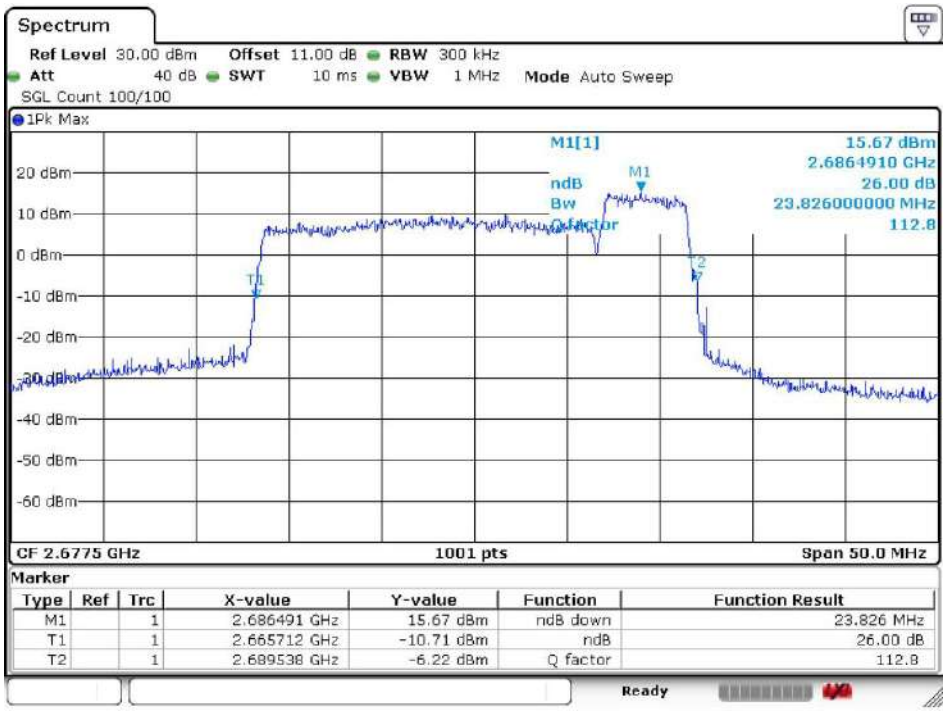

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.686491 GHz	15.67 dBm	ndB down	23.826 MHz
T1		1	2.665712 GHz	-10.71 dBm	ndB	26.00 dB
T2		1	2.689538 GHz	-6.22 dBm	Q factor	112.8

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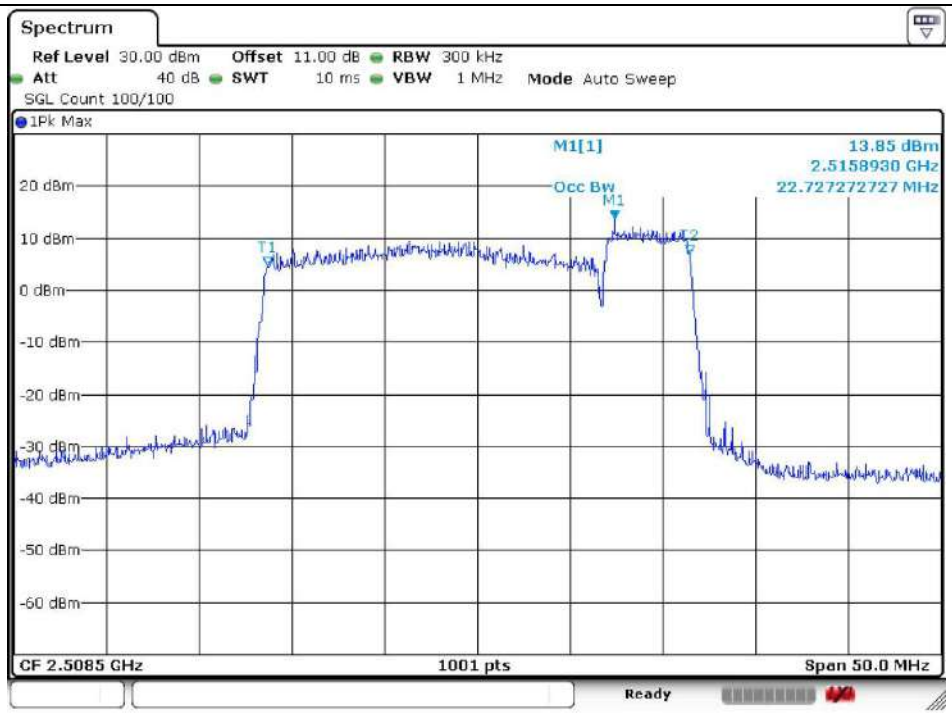

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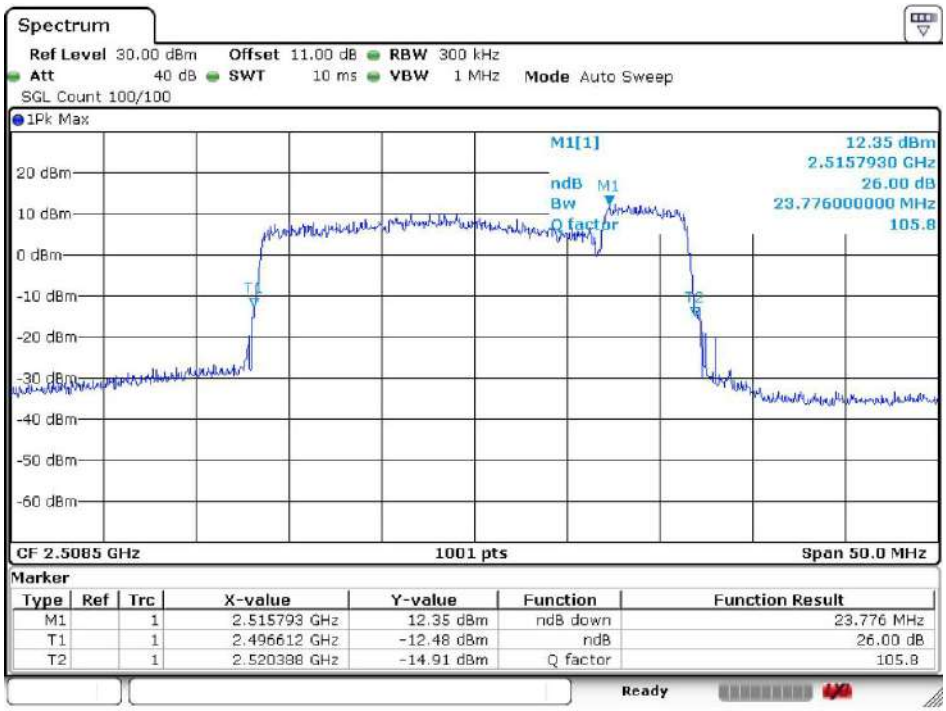

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.515793 GHz	12.35 dBm	ndB down	23.776 MHz
T1		1	2.496612 GHz	-12.48 dBm	ndB	26.00 dB
T2		1	2.520388 GHz	-14.91 dBm	Q factor	105.8

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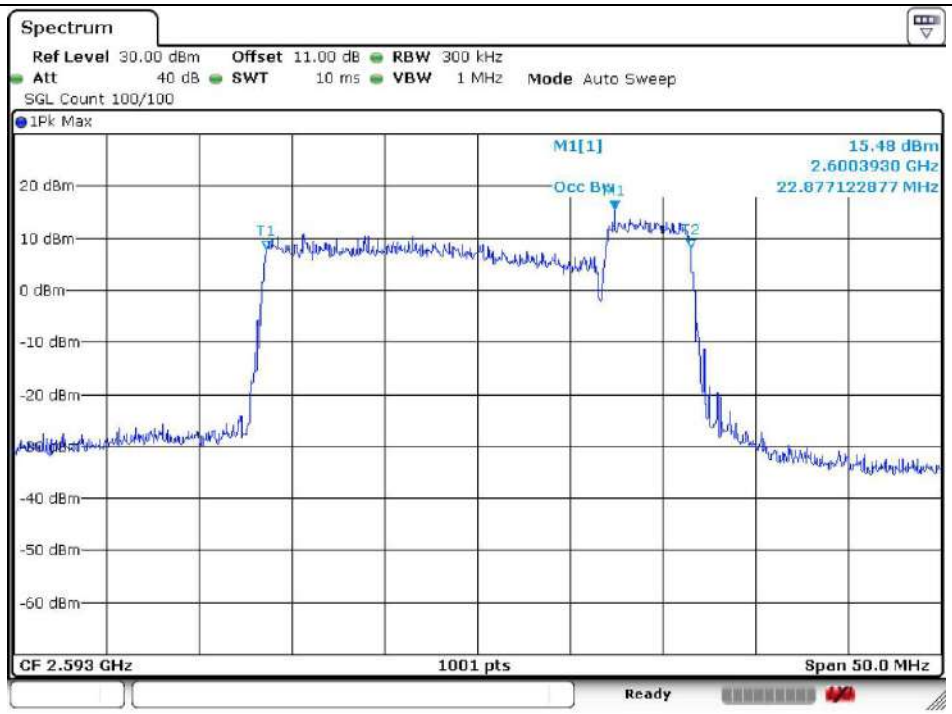

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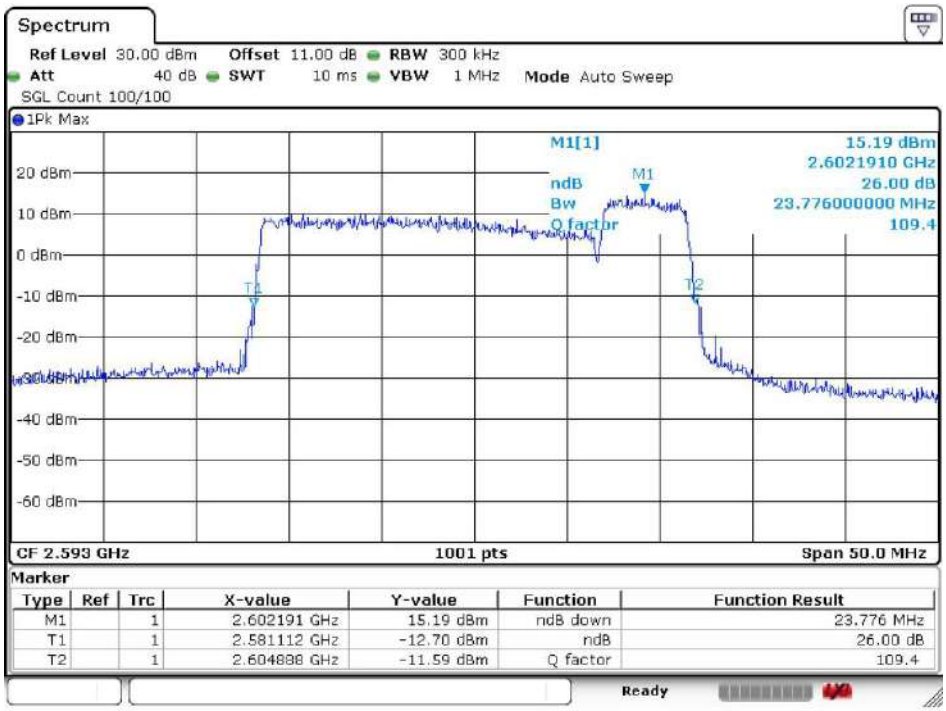

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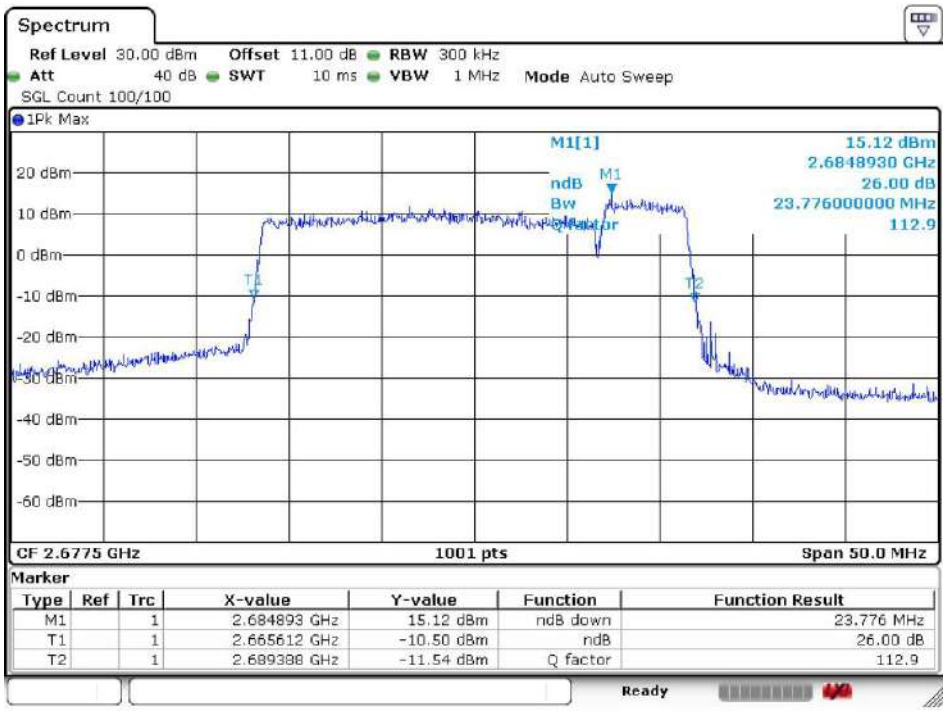

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.684893 GHz	15.12 dBm	ndB down	23.776 MHz
T1		1	2.665612 GHz	-10.50 dBm	ndB	26.00 dB
T2		1	2.689388 GHz	-11.54 dBm	Q factor	112.9

Date: 12.FEB.2020 03:47:01

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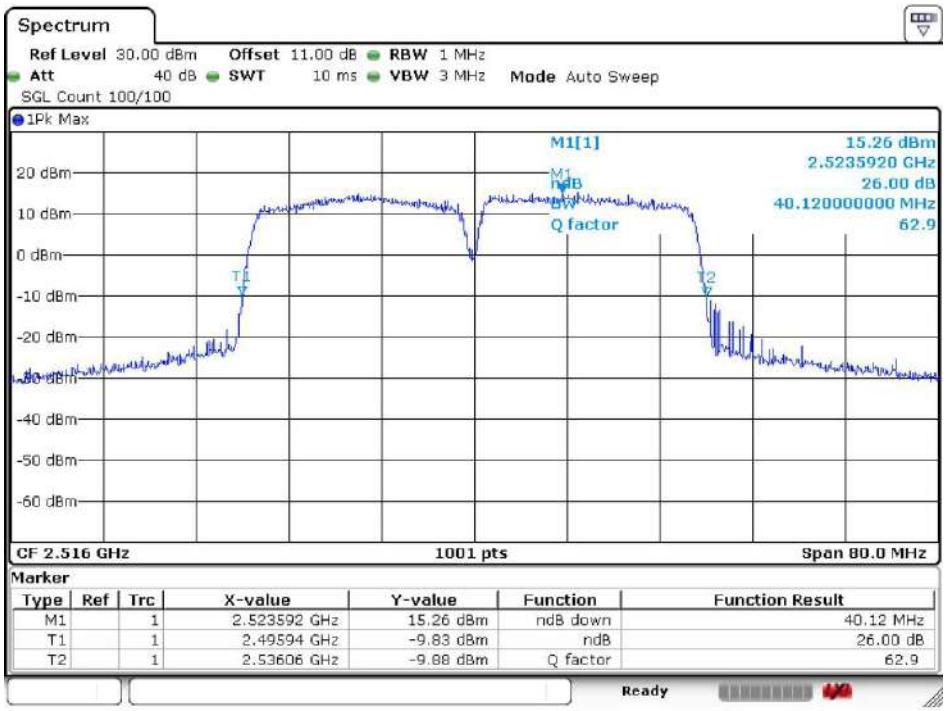
Date: 12.FEB.2020 03:57:08



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.523592 GHz	15.26 dBm	ndB down	40.12 MHz
T1		1	2.49594 GHz	-9.83 dBm	ndB	26.00 dB
T2		1	2.53606 GHz	-9.88 dBm	Q factor	62.9

Date: 12.FEB.2020 03:55:43

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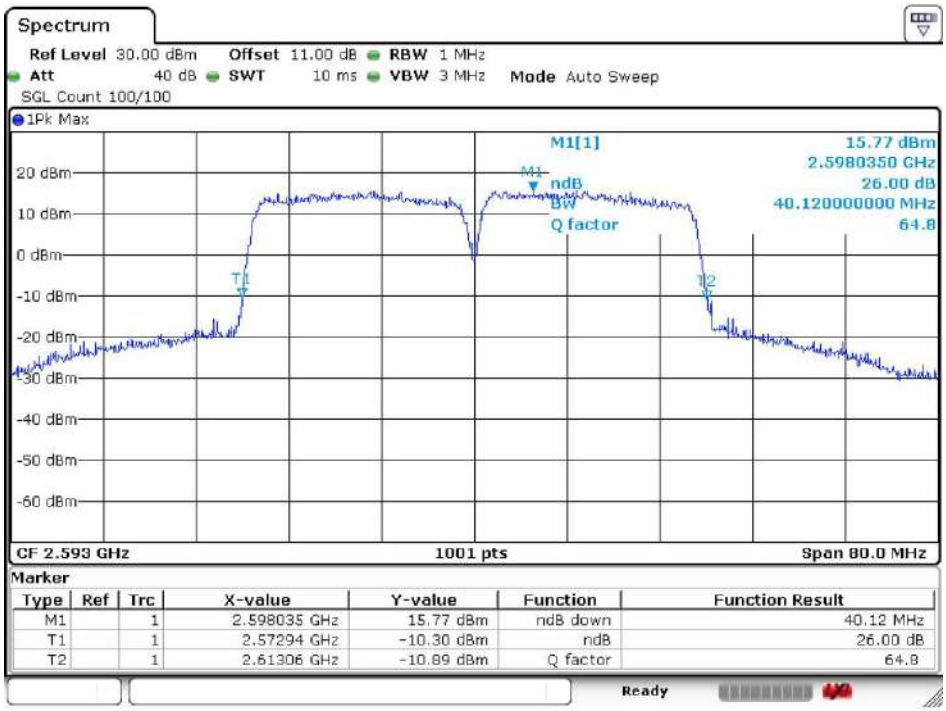
Date: 12.FEB.2020 04:02:24



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.598035 GHz	15.77 dBm	ndB down	40.12 MHz
T1		1	2.57294 GHz	-10.30 dBm	ndB	26.00 dB
T2		1	2.61306 GHz	-10.89 dBm	Q factor	64.8

Date: 12.FEB.2020 04:05:51

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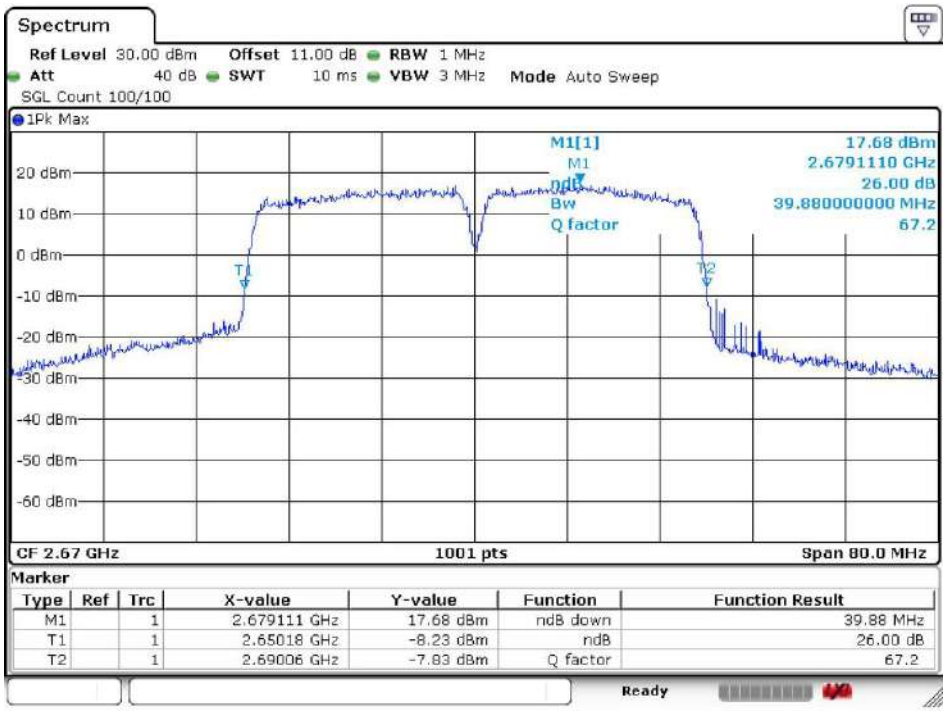
Date: 12.FEB.2020 04:23:12



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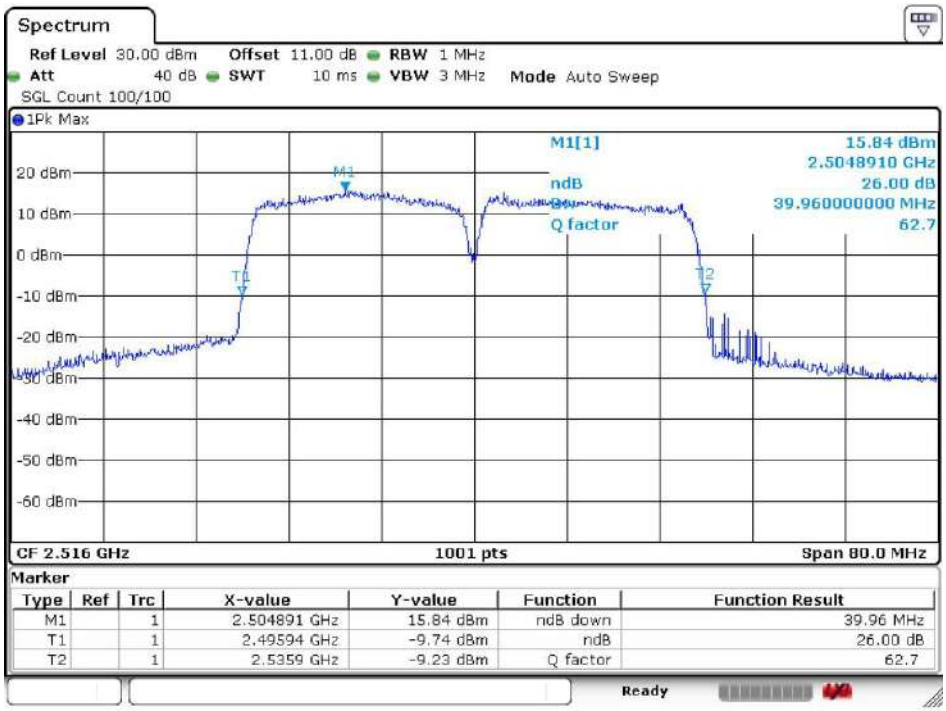
Date: 12.FEB.2020 05:00:11



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.504891 GHz	15.84 dBm	ndB down	39.96 MHz
T1		1	2.49594 GHz	-9.74 dBm	ndB	26.00 dB
T2		1	2.5359 GHz	-9.23 dBm	Q factor	62.7

Date: 12.FEB.2020 05:02:21

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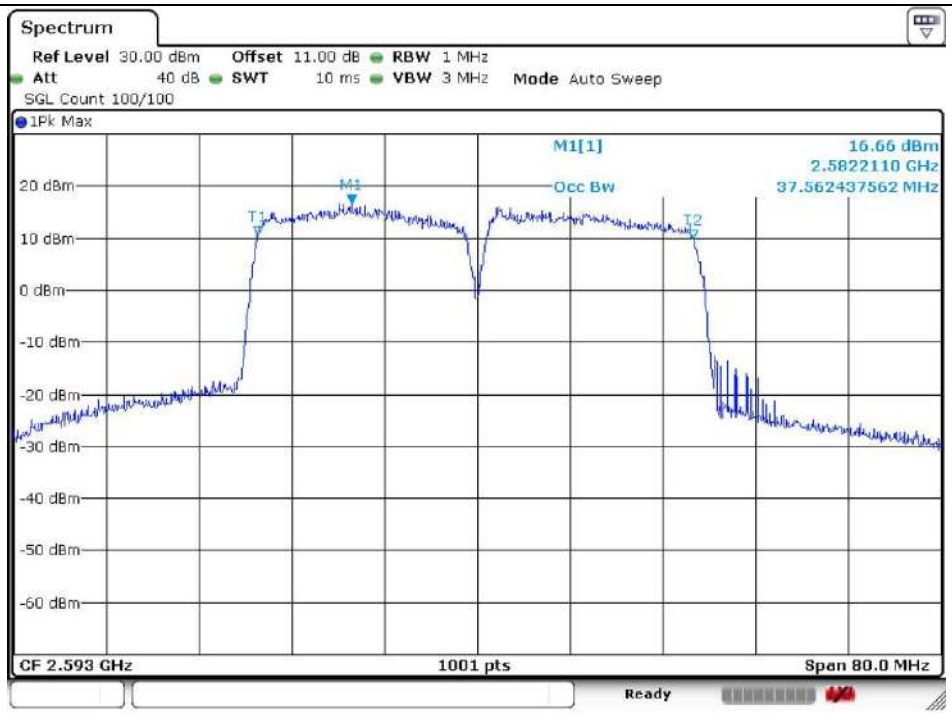

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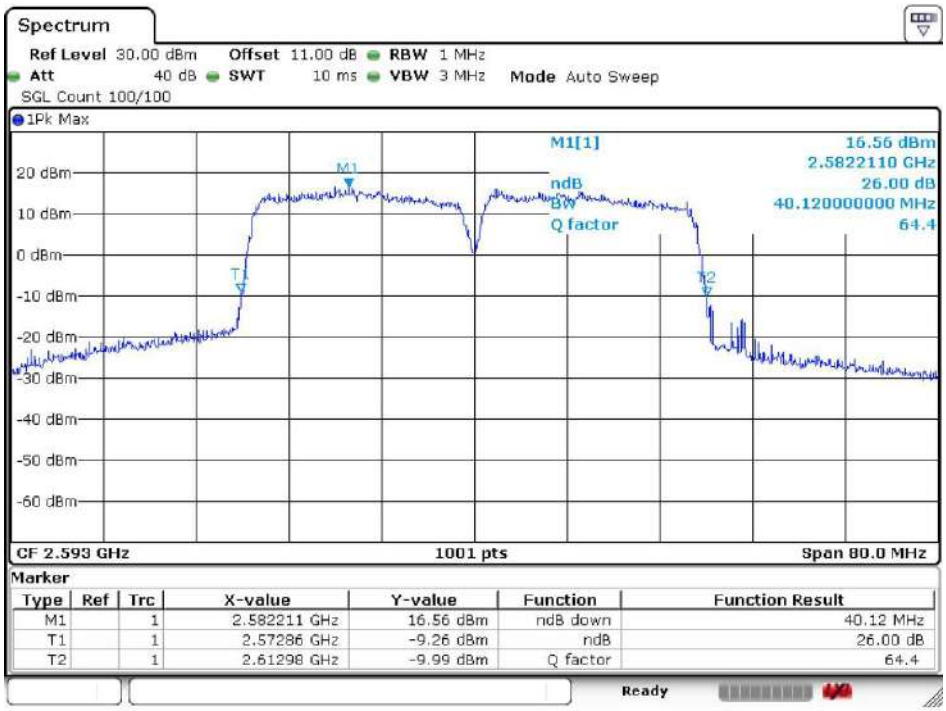

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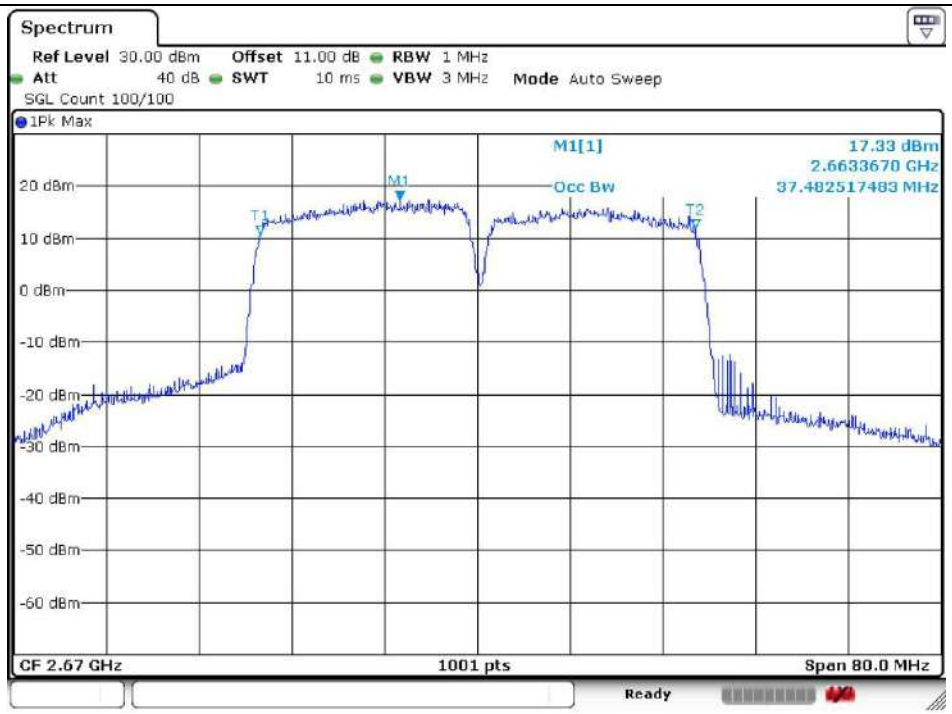

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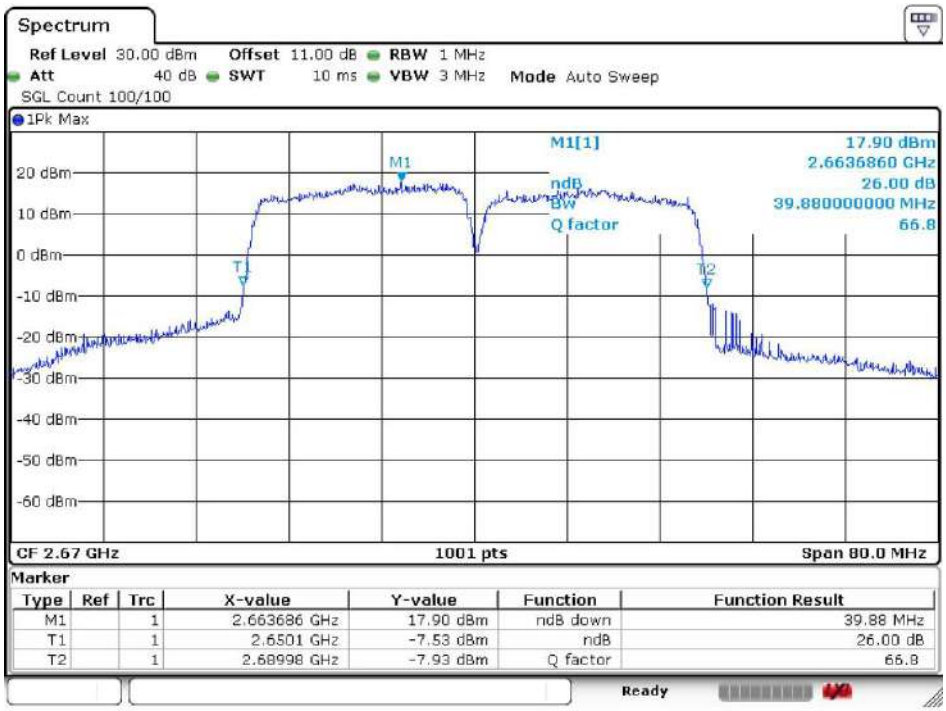

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.663686 GHz	17.90 dBm	ndB down	39.88 MHz
T1		1	2.6501 GHz	-7.53 dBm	ndB	26.00 dB
T2		1	2.68998 GHz	-7.93 dBm	Q factor	66.8

Date: 12.FEB.2020 05:11:27

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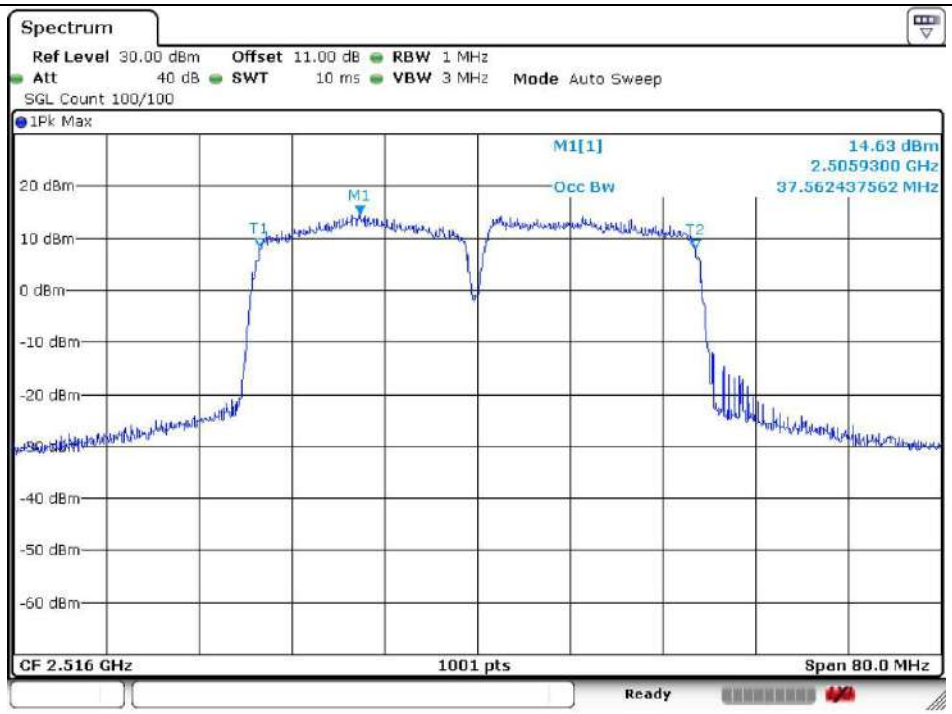

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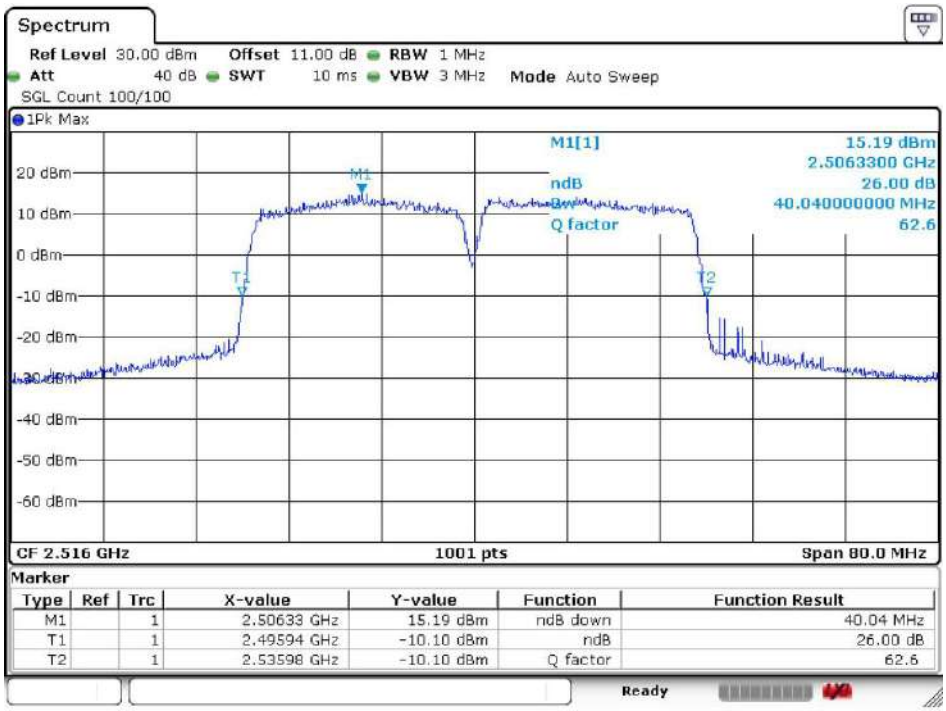

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50633 GHz	15.19 dBm	ndB down	40.04 MHz
T1		1	2.49594 GHz	-10.10 dBm	ndB	26.00 dB
T2		1	2.53598 GHz	-10.10 dBm	Q factor	62.6

Date: 12.FEB.2020 03:55:26

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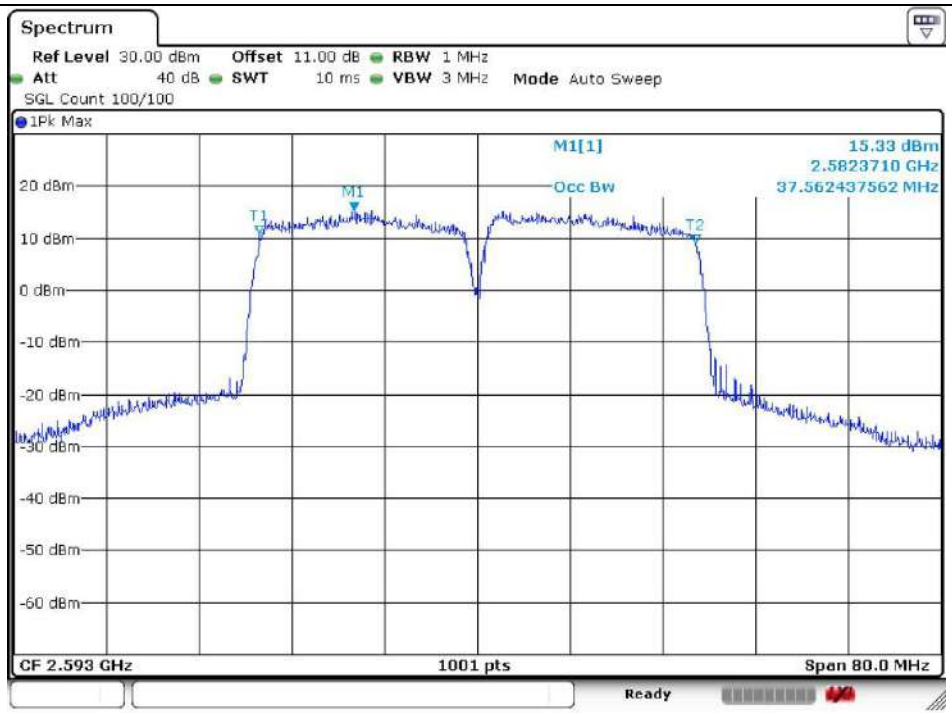

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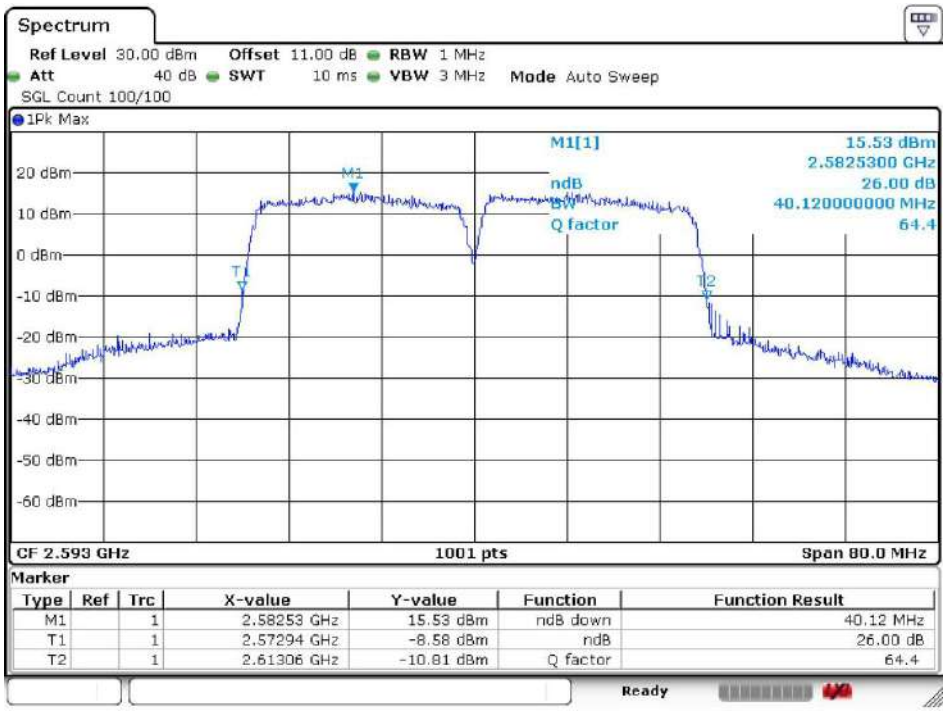

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.58253 GHz	15.53 dBm	ndB down	40.12 MHz
T1		1	2.57294 GHz	-8.58 dBm	ndB	26.00 dB
T2		1	2.61306 GHz	-10.81 dBm	Q factor	64.4

Date: 12.FEB.2020 04:04:34

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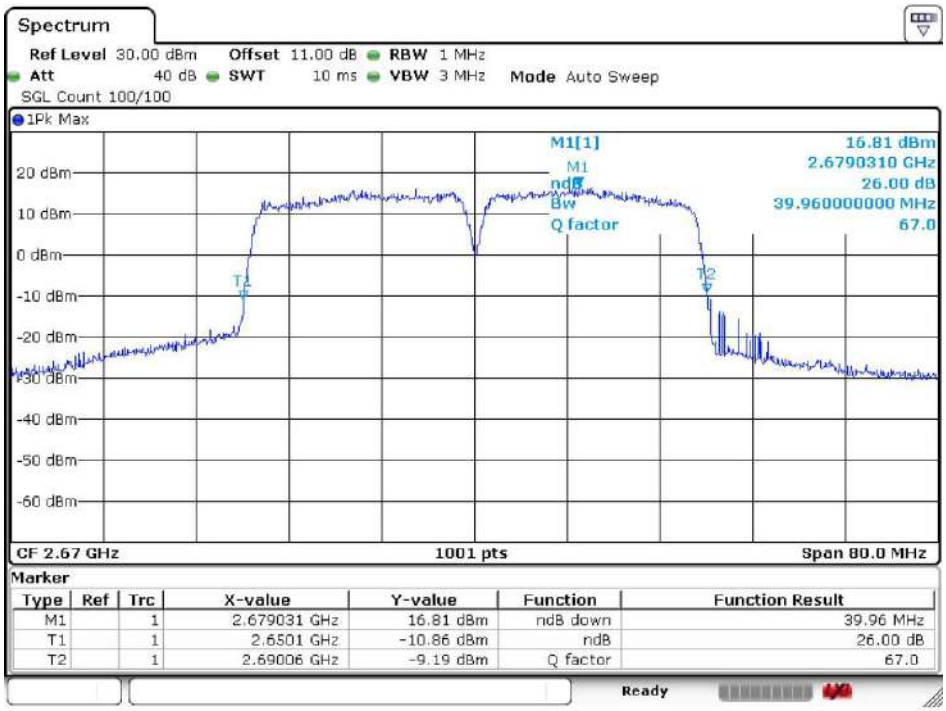

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.679031 GHz	16.81 dBm	ndB down	39.96 MHz
T1		1	2.6501 GHz	-10.86 dBm	ndB	26.00 dB
T2		1	2.69006 GHz	-9.19 dBm	Q factor	67.0

Date: 12.FEB.2020 04:20:19

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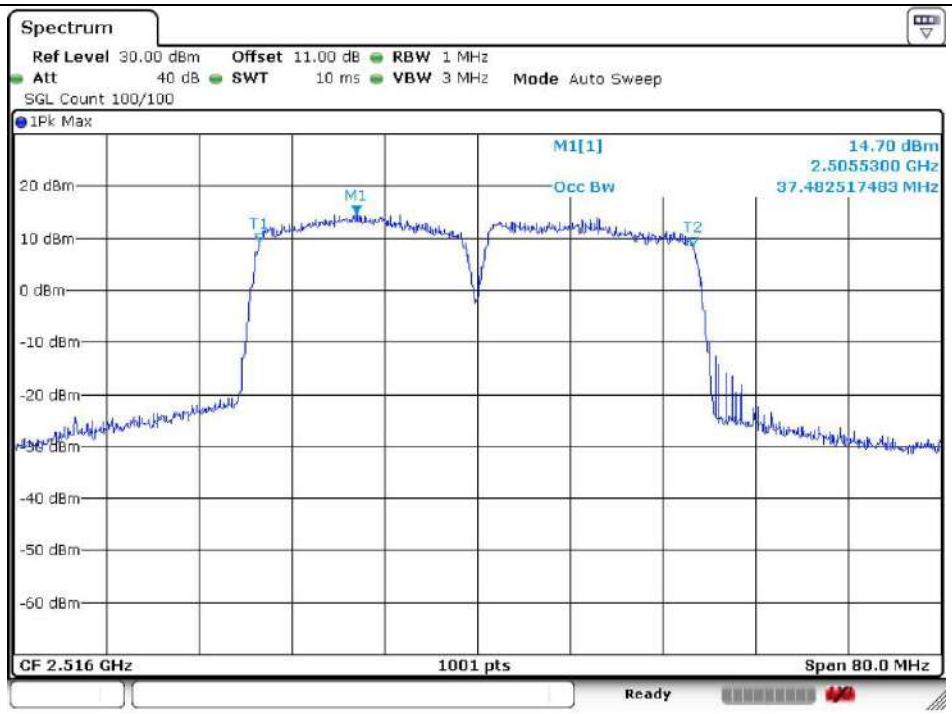

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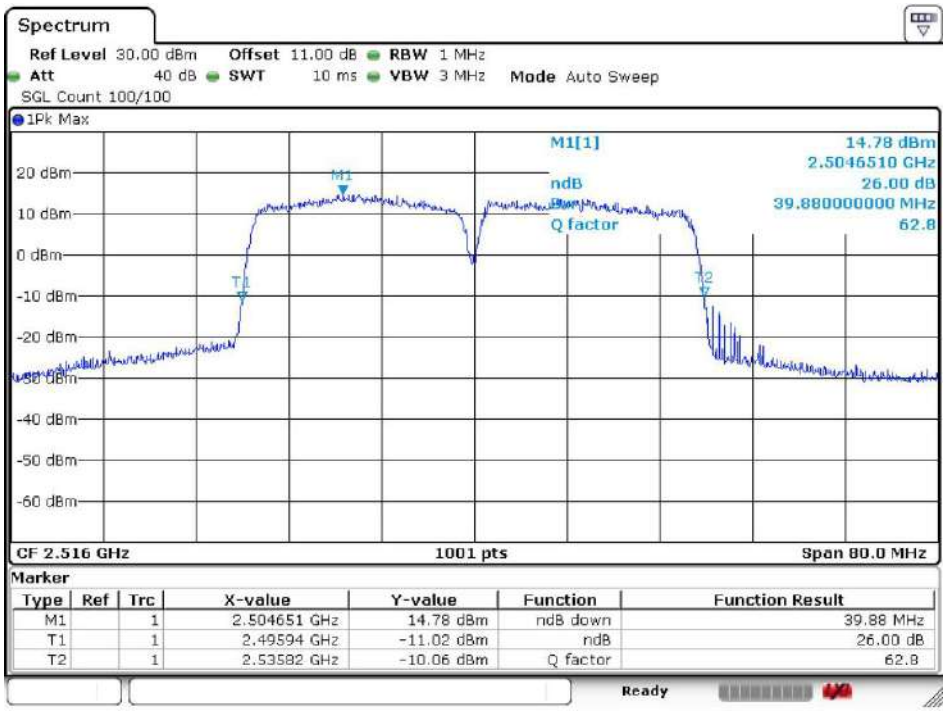

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.504651 GHz	14.78 dBm	ndB down	39.88 MHz
T1		1	2.49594 GHz	-11.02 dBm	ndB	26.00 dB
T2		1	2.53582 GHz	-10.06 dBm	Q factor	62.8

Date: 12.FEB.2020 05:02:10

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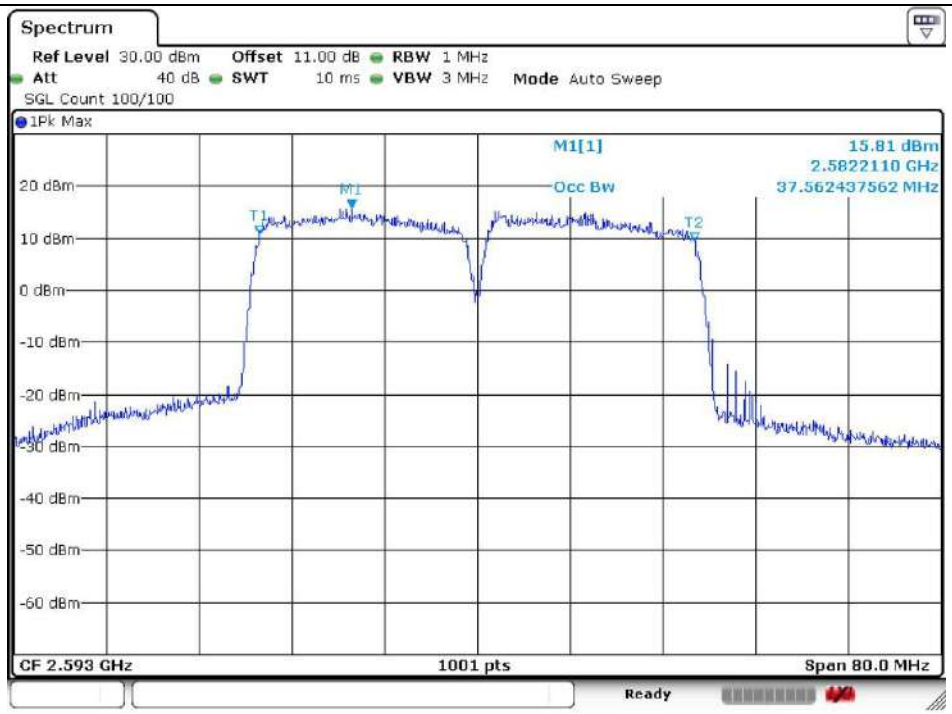

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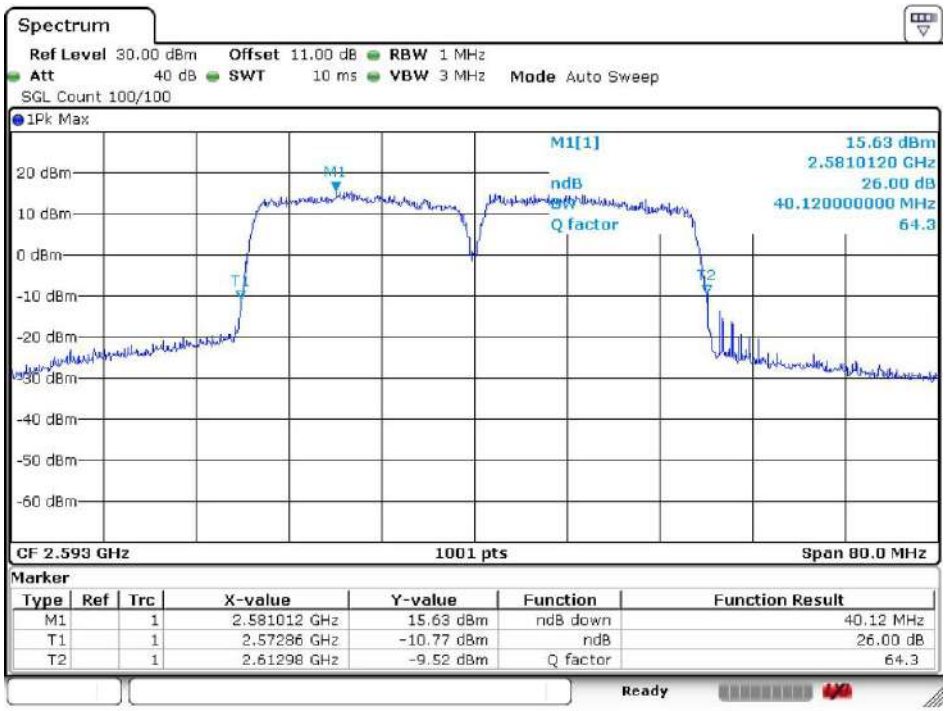

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.581012 GHz	15.63 dBm	ndB down	40.12 MHz
T1		1	2.57286 GHz	-10.77 dBm	ndB	26.00 dB
T2		1	2.61298 GHz	-9.52 dBm	Q factor	64.3

Date: 12.FEB.2020 05:03:48

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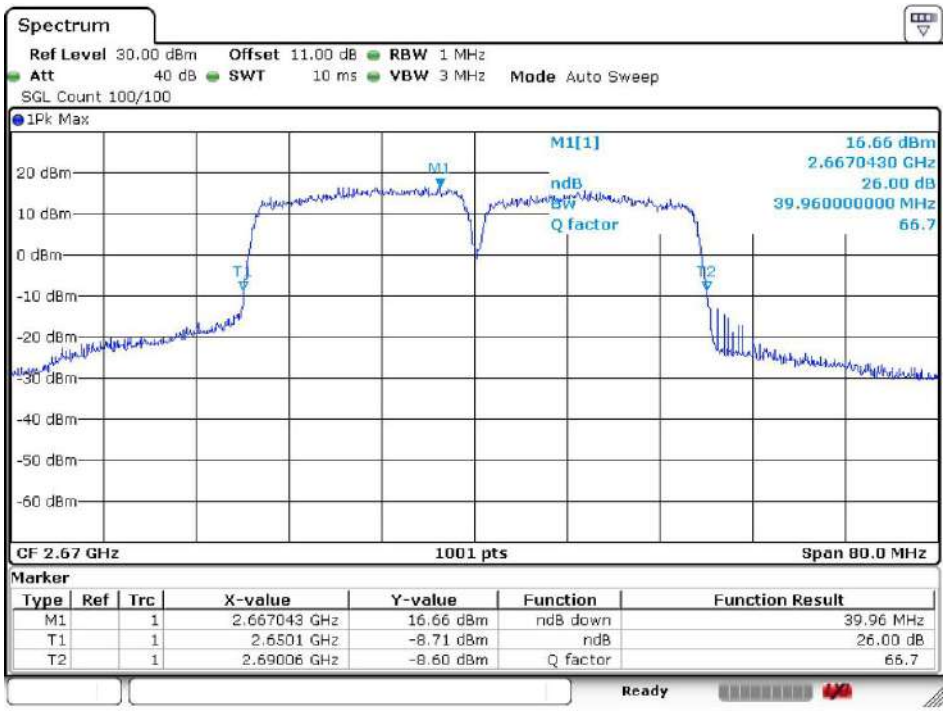

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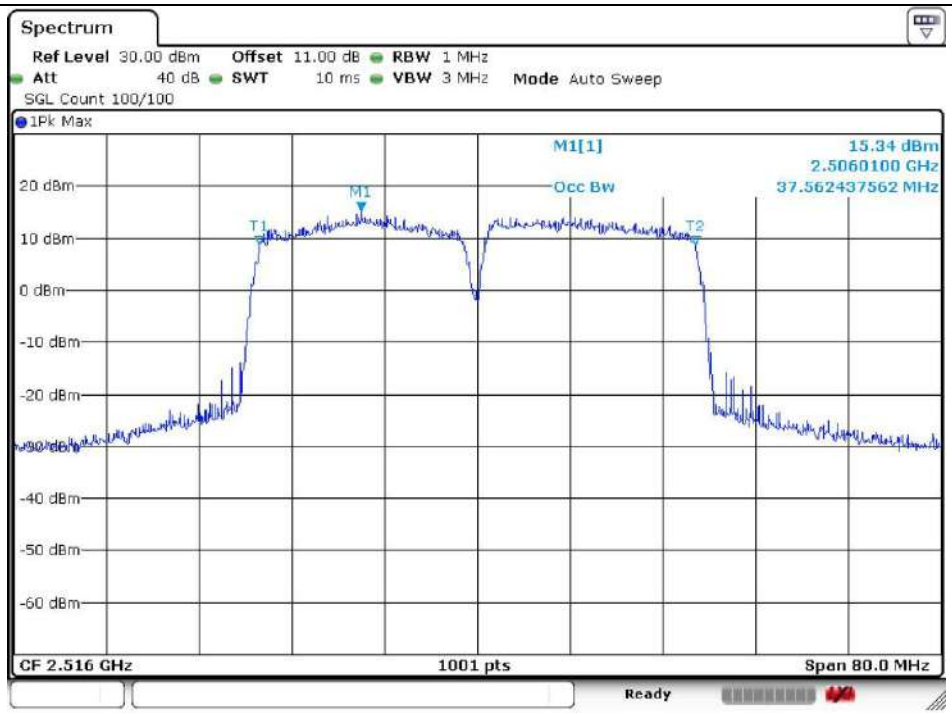

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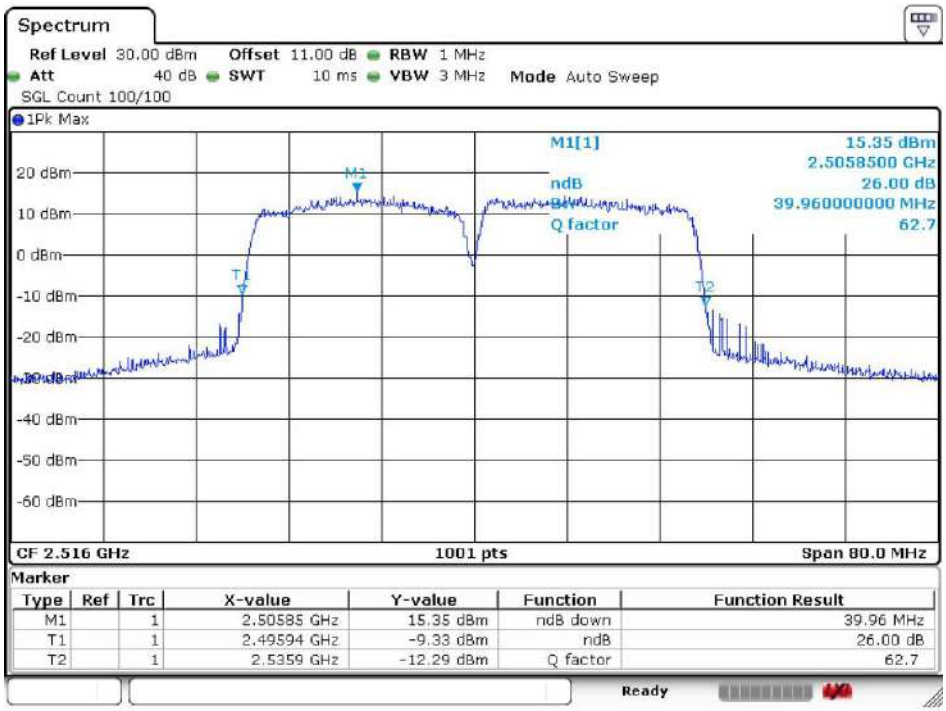

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50585 GHz	15.35 dBm	ndB down	39.96 MHz
T1		1	2.49594 GHz	-9.33 dBm	ndB	26.00 dB
T2		1	2.5359 GHz	-12.29 dBm	Q factor	62.7

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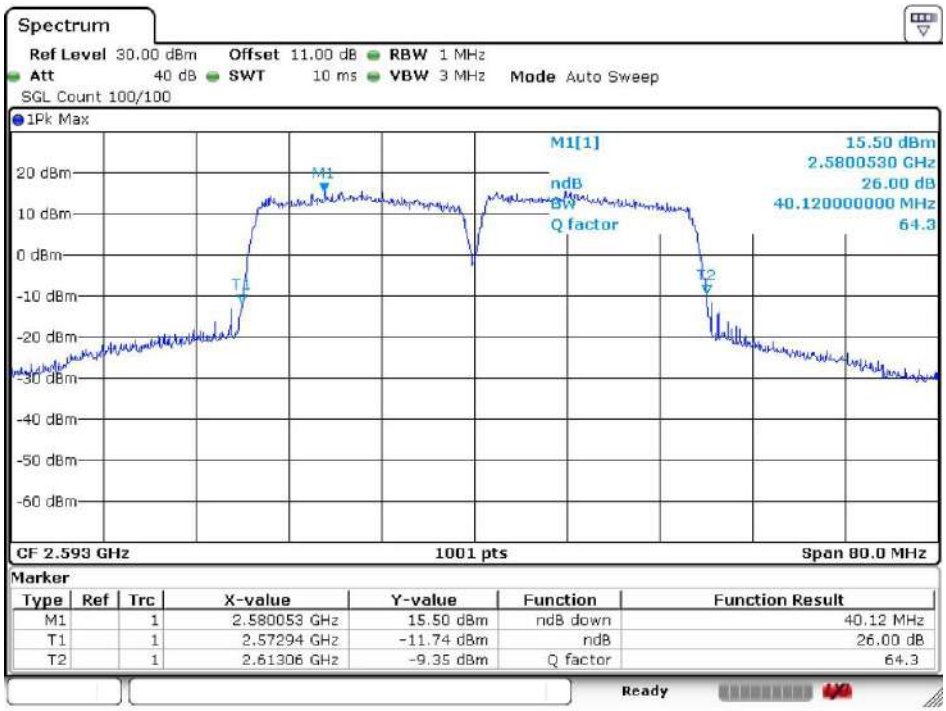

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.580053 GHz	15.50 dBm	ndB down	40.12 MHz
T1		1	2.57294 GHz	-11.74 dBm	ndB	26.00 dB
T2		1	2.61306 GHz	-9.35 dBm	Q factor	64.3

Date: 12.FEB.2020 04:03:57

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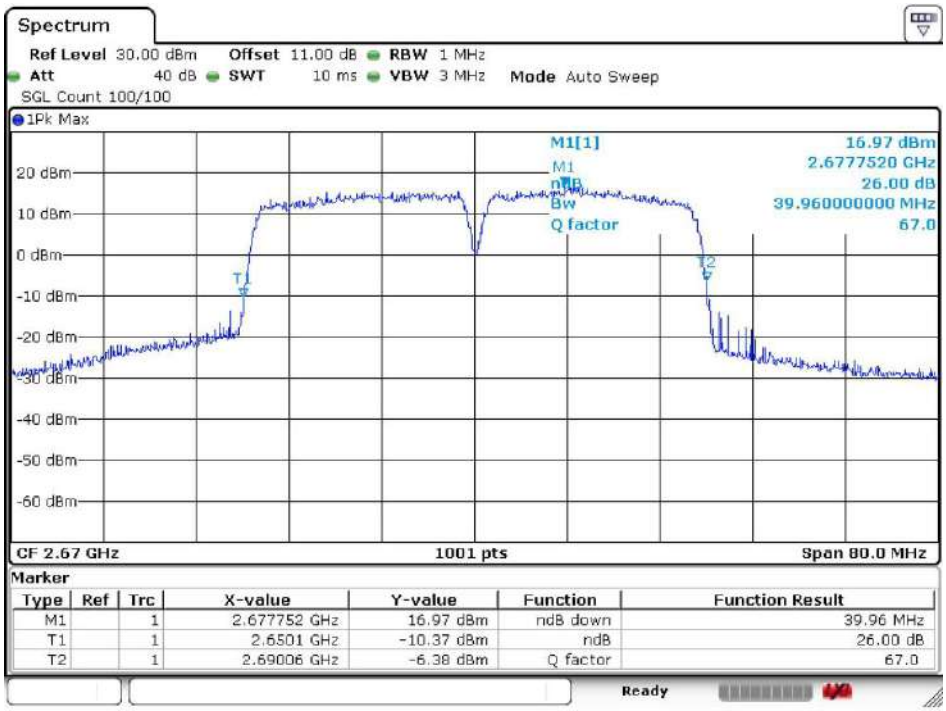

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.677752 GHz	16.97 dBm	ndB down	39.96 MHz
T1		1	2.6501 GHz	-10.37 dBm	ndB	26.00 dB
T2		1	2.69006 GHz	-6.38 dBm	Q factor	67.0

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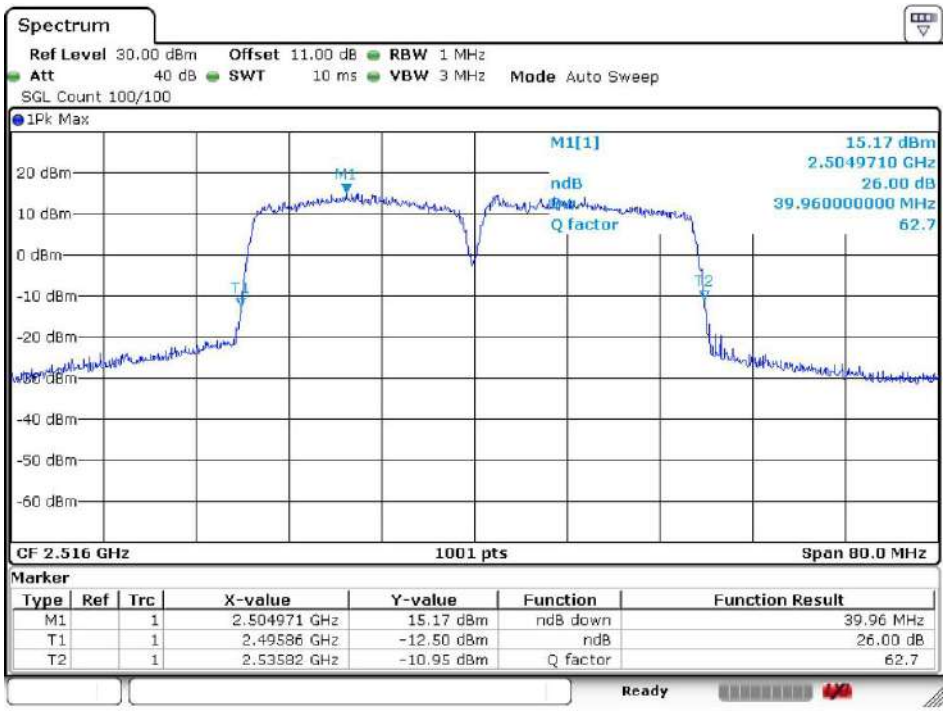

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.504971 GHz	15.17 dBm	ndB down	39.96 MHz
T1		1	2.49586 GHz	-12.50 dBm	ndB	26.00 dB
T2		1	2.53582 GHz	-10.95 dBm	Q factor	62.7

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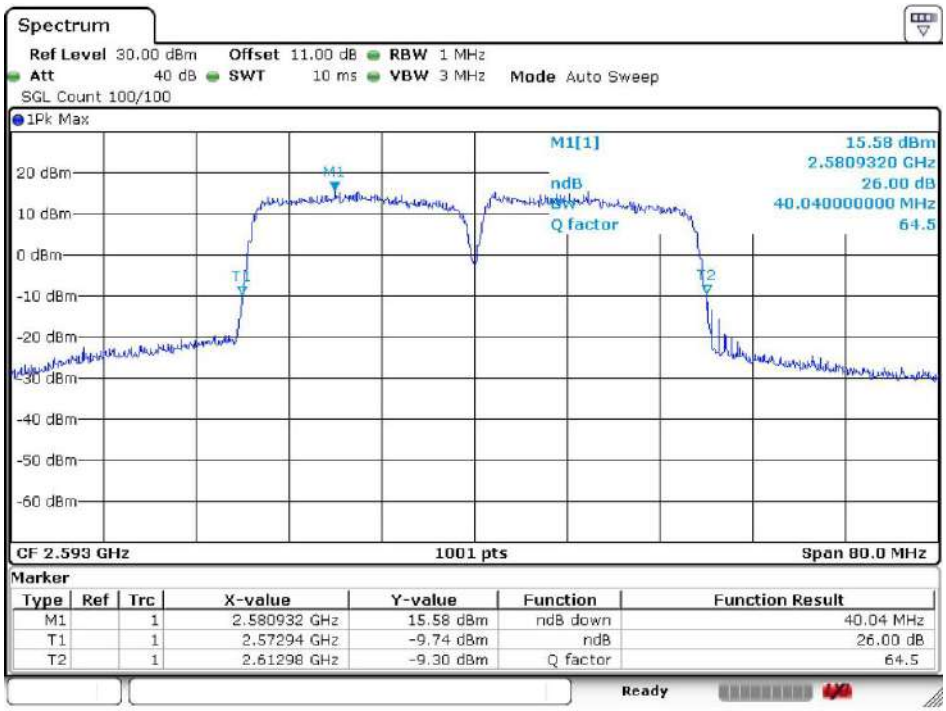

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.580932 GHz	15.58 dBm	ndB down	40.04 MHz
T1		1	2.57294 GHz	-9.74 dBm	ndB	26.00 dB
T2		1	2.61298 GHz	-9.30 dBm	Q factor	64.5

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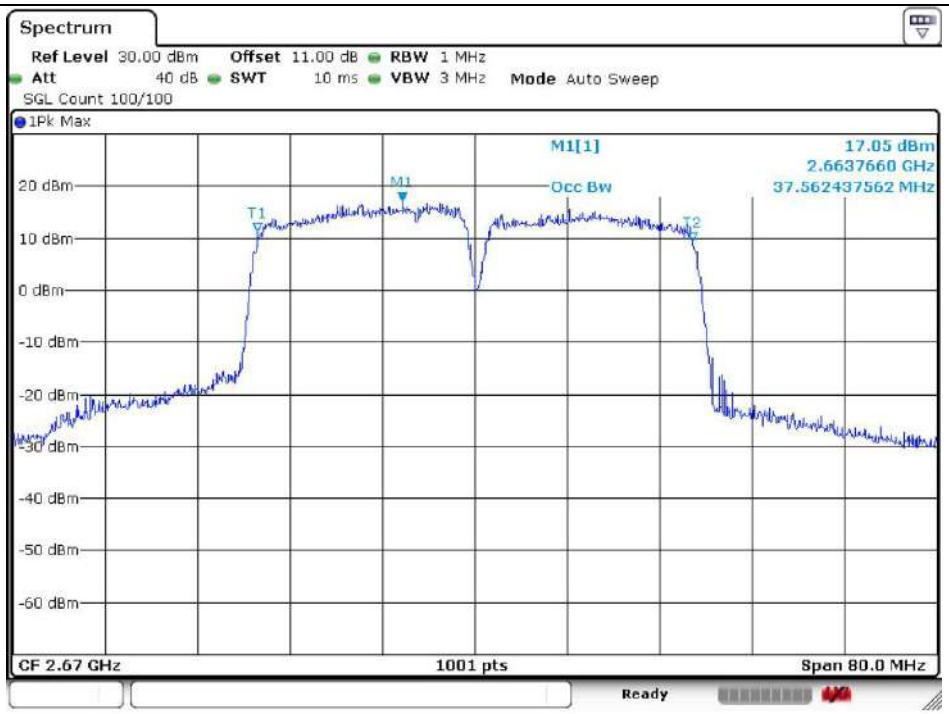

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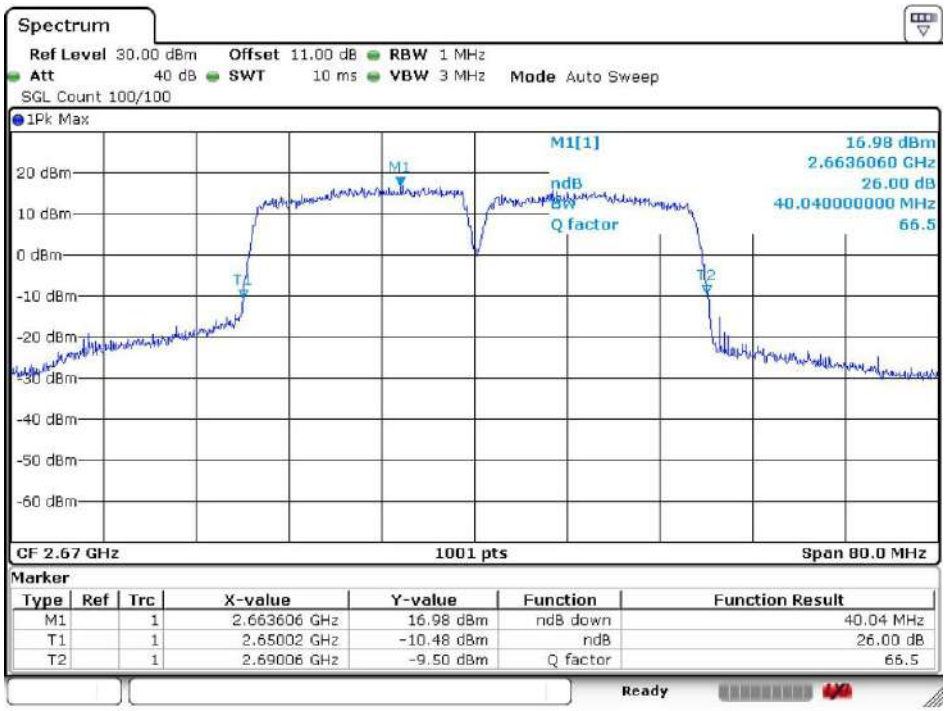

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5 Band Edges Compliance

5.1 For LTE

5.1.1 Test Band = LTE Band CA_41C

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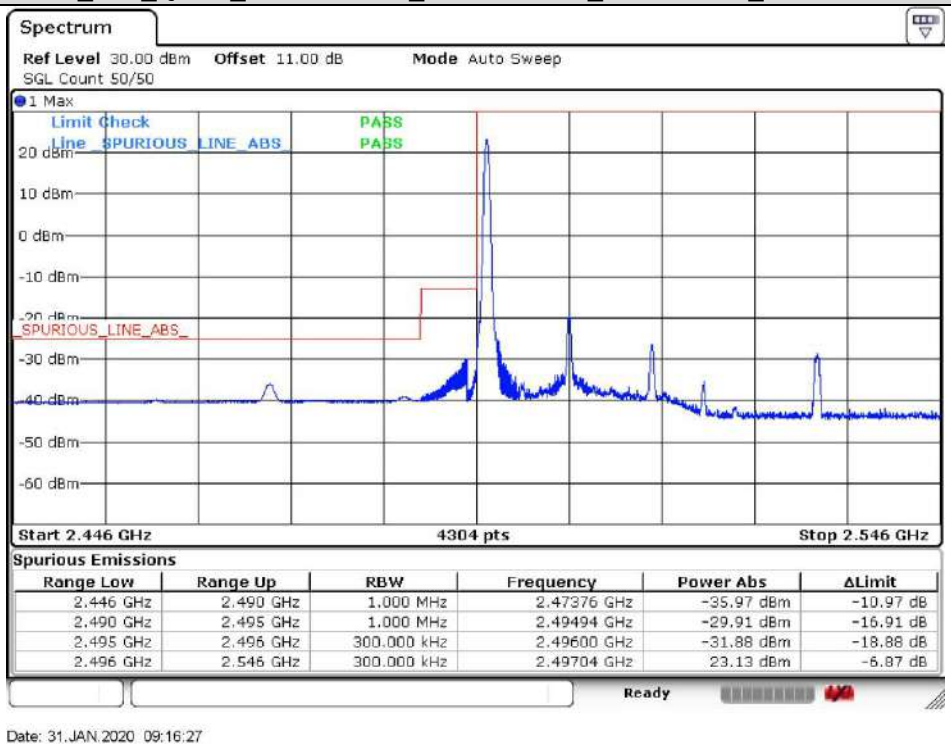

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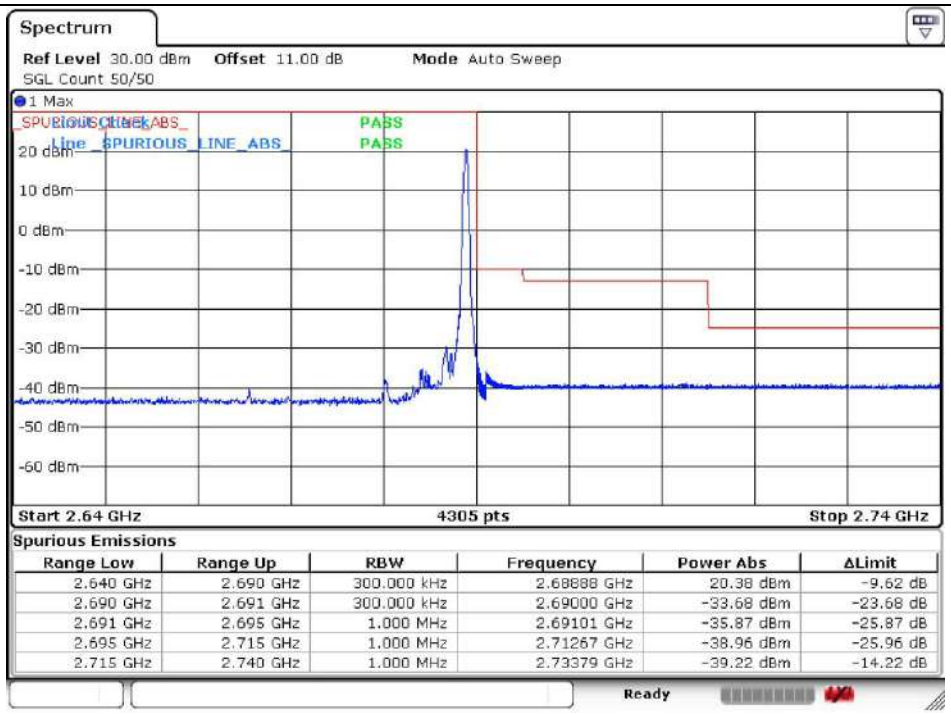

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	300.000 kHz	2.68888 GHz	20.38 dBm	-9.62 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69000 GHz	-33.68 dBm	-23.68 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-35.87 dBm	-25.87 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.71267 GHz	-38.96 dBm	-25.96 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.73379 GHz	-39.22 dBm	-14.22 dB

Date: 31.JAN.2020 09:52:25

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Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	300.000 kHz	2.68658 GHz	6.91 dBm	-23.09 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69016 GHz	-28.07 dBm	-18.07 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69204 GHz	-25.33 dBm	-15.33 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69503 GHz	-27.37 dBm	-14.37 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.73569 GHz	-38.92 dBm	-13.92 dB

Date: 31.JAN.2020 09:58:16

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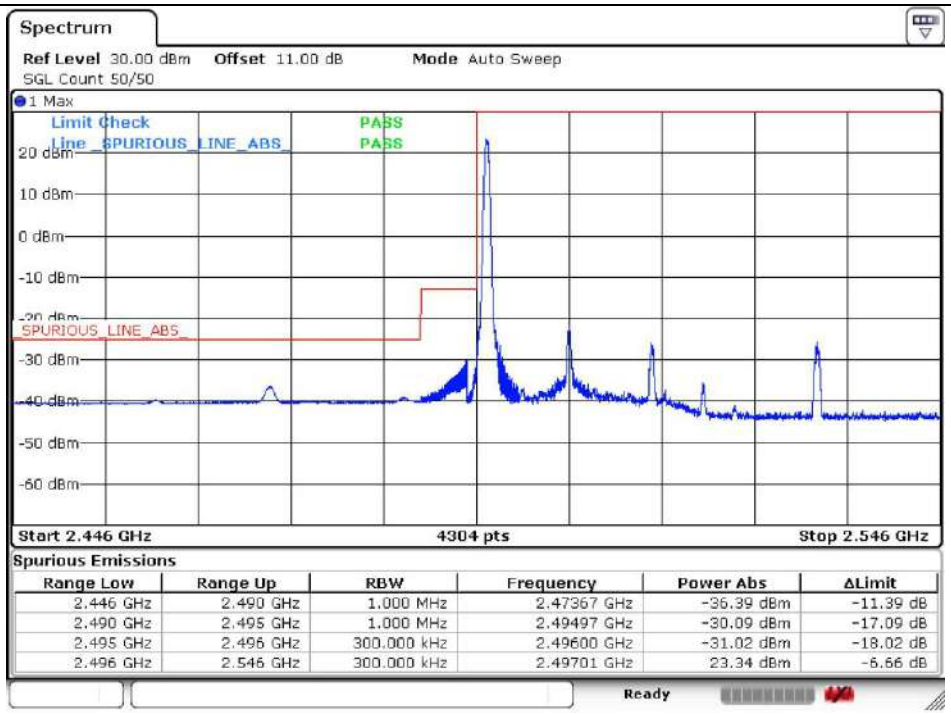

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.47367 GHz	-36.39 dBm	-11.39 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-30.09 dBm	-17.09 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49600 GHz	-31.02 dBm	-18.02 dB
2.496 GHz	2.546 GHz	300.000 kHz	2.49701 GHz	23.34 dBm	-6.66 dB

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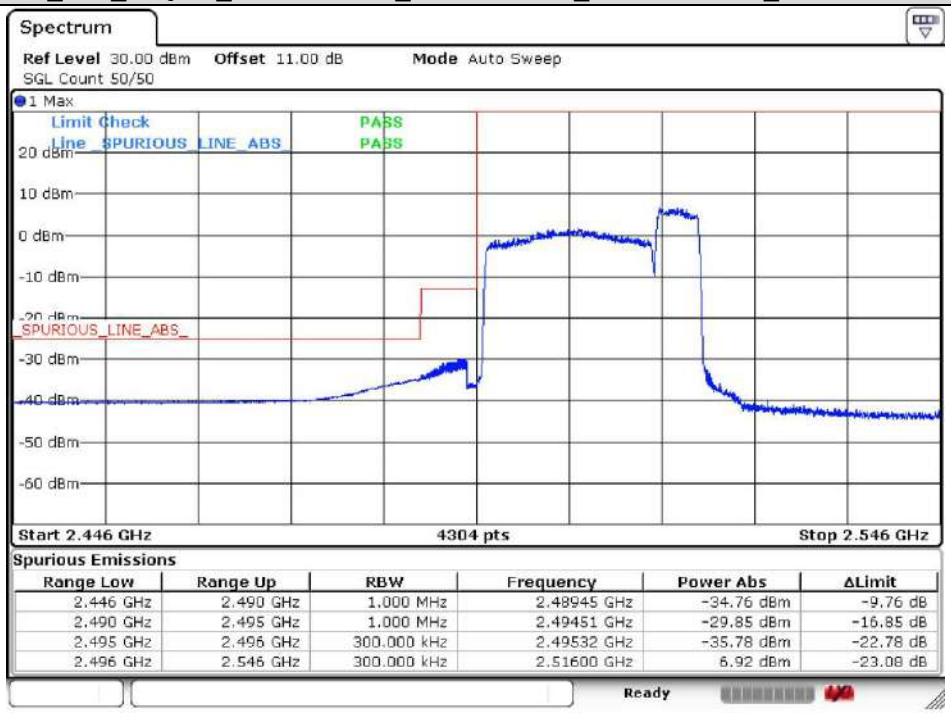

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48945 GHz	-34.76 dBm	-9.76 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49451 GHz	-29.85 dBm	-16.85 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49532 GHz	-35.78 dBm	-22.78 dB
2.496 GHz	2.546 GHz	300.000 kHz	2.51600 GHz	6.92 dBm	-23.08 dB

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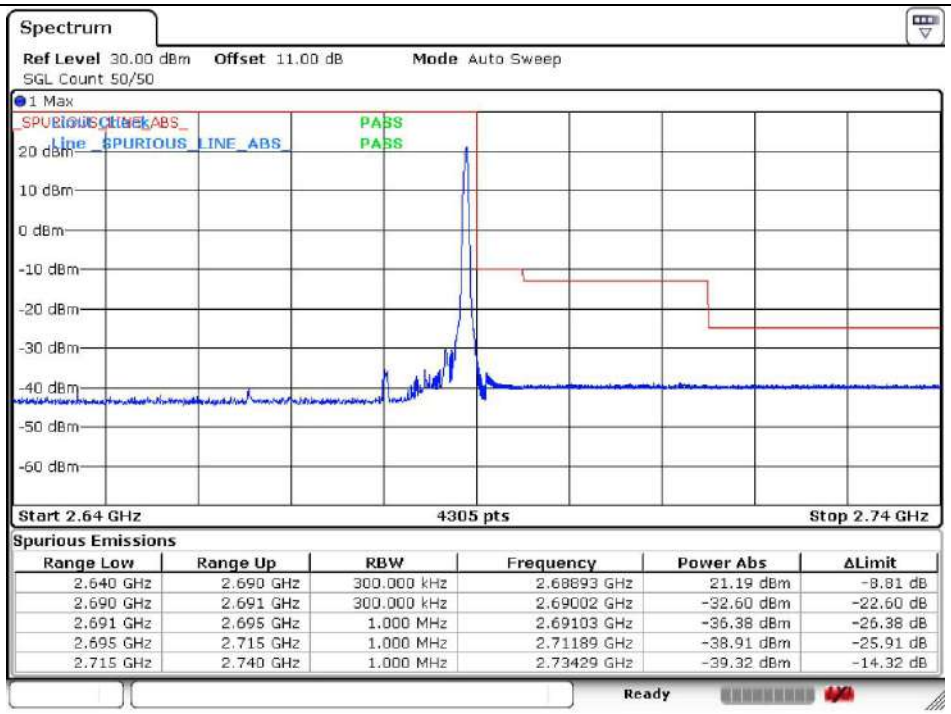

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	300.000 kHz	2.68893 GHz	21.19 dBm	-8.81 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69002 GHz	-32.60 dBm	-22.60 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69103 GHz	-36.38 dBm	-26.38 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.71189 GHz	-38.91 dBm	-25.91 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.73429 GHz	-39.32 dBm	-14.32 dB

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Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	300.000 kHz	2.68708 GHz	6.04 dBm	-23.96 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69004 GHz	-29.62 dBm	-19.62 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69103 GHz	-26.99 dBm	-16.99 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69503 GHz	-29.02 dBm	-16.02 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.73274 GHz	-39.09 dBm	-14.09 dB

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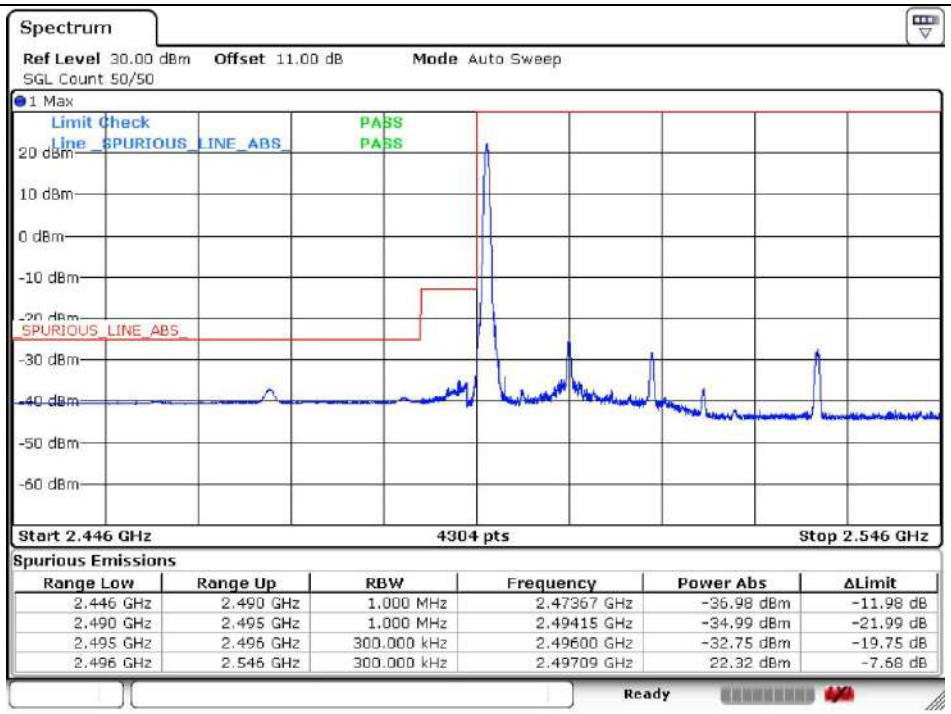

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.47367 GHz	-36.98 dBm	-11.98 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49415 GHz	-34.99 dBm	-21.99 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49600 GHz	-32.75 dBm	-19.75 dB
2.496 GHz	2.546 GHz	300.000 kHz	2.49709 GHz	22.32 dBm	-7.68 dB

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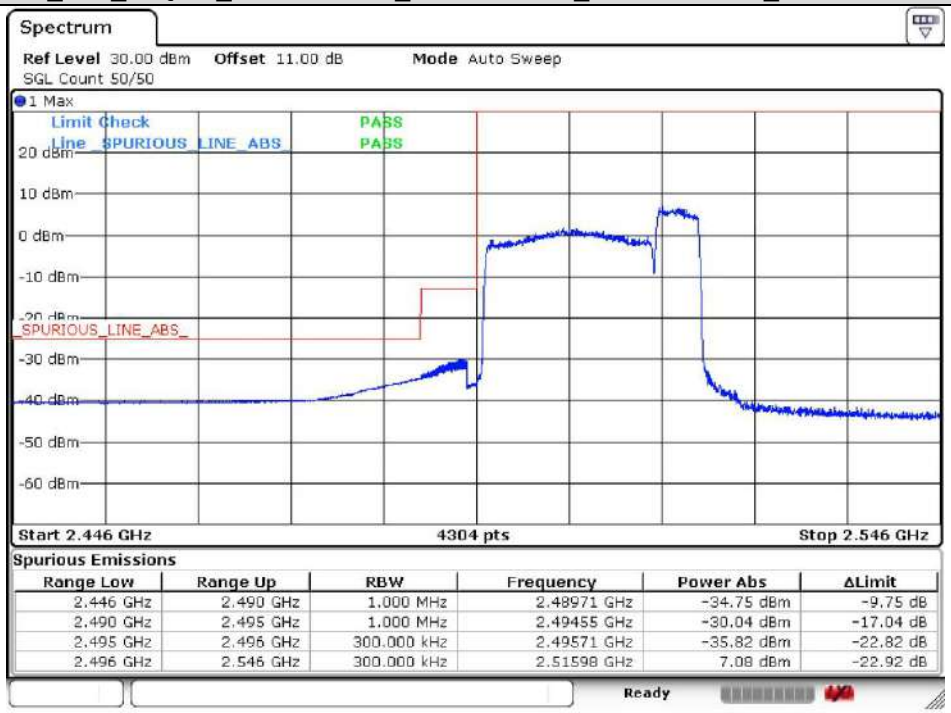

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48971 GHz	-34.75 dBm	-9.75 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49455 GHz	-30.04 dBm	-17.04 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49571 GHz	-35.82 dBm	-22.82 dB
2.496 GHz	2.546 GHz	300.000 kHz	2.51598 GHz	7.08 dBm	-22.92 dB

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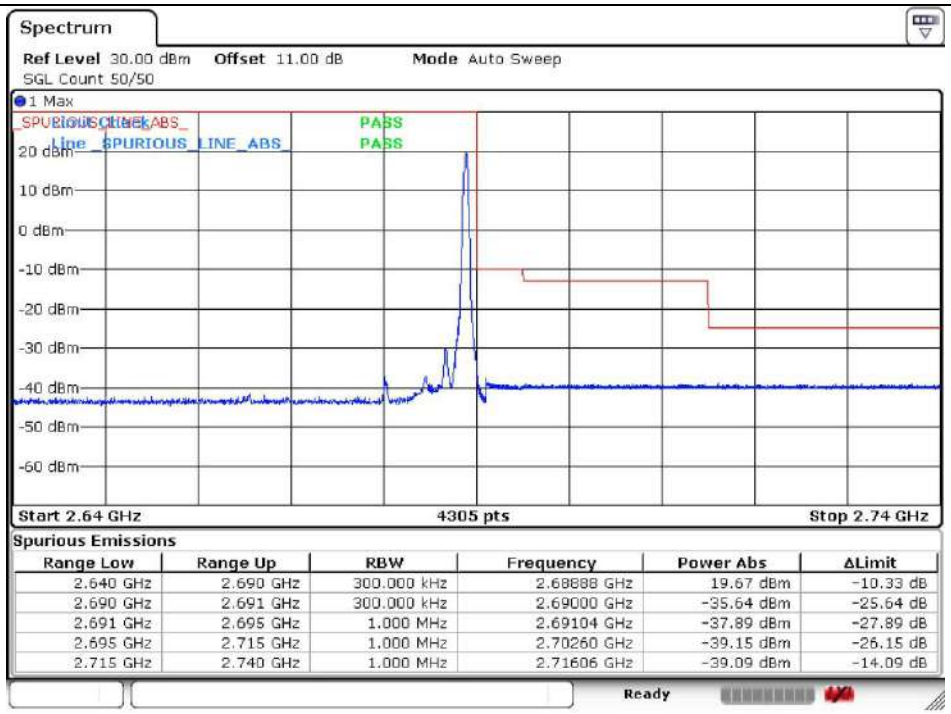

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	300.000 kHz	2.68888 GHz	19.67 dBm	-10.33 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69000 GHz	-35.64 dBm	-25.64 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69104 GHz	-37.89 dBm	-27.89 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.70260 GHz	-39.15 dBm	-26.15 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.71606 GHz	-39.09 dBm	-14.09 dB

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Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	300.000 kHz	2.68498 GHz	6.20 dBm	-23.80 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69019 GHz	-29.36 dBm	-19.36 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-26.89 dBm	-16.89 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69531 GHz	-30.03 dBm	-17.03 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.72932 GHz	-39.18 dBm	-14.18 dB

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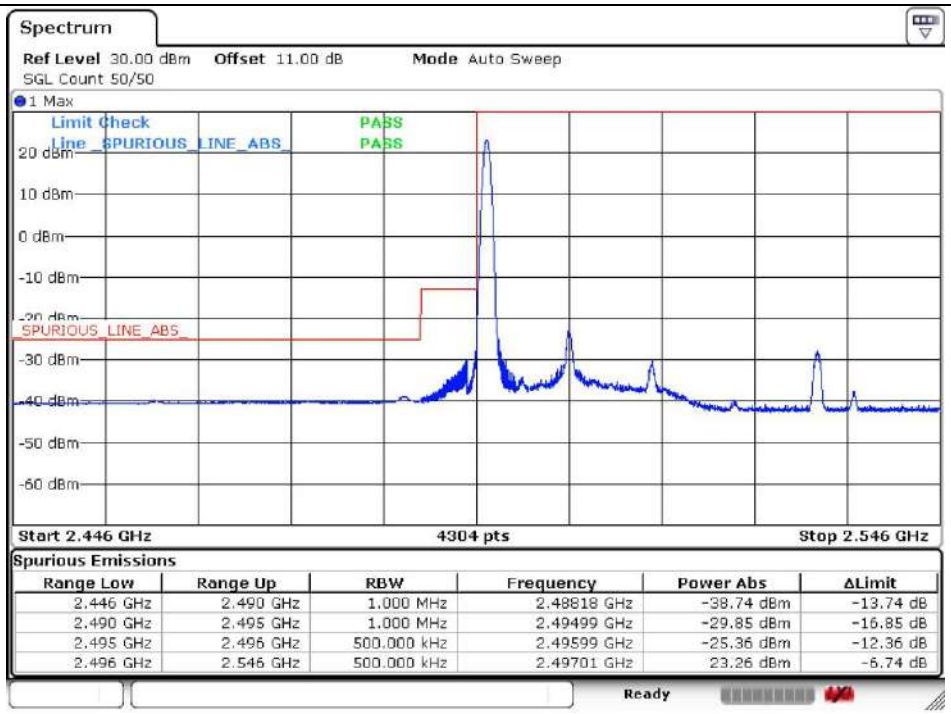

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48818 GHz	-38.74 dBm	-13.74 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-29.85 dBm	-16.85 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49599 GHz	-25.36 dBm	-12.36 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.49701 GHz	23.26 dBm	-6.74 dB

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Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48993 GHz	-33.39 dBm	-8.39 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49434 GHz	-27.58 dBm	-14.58 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49506 GHz	-32.37 dBm	-19.37 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.51728 GHz	4.90 dBm	-25.10 dB

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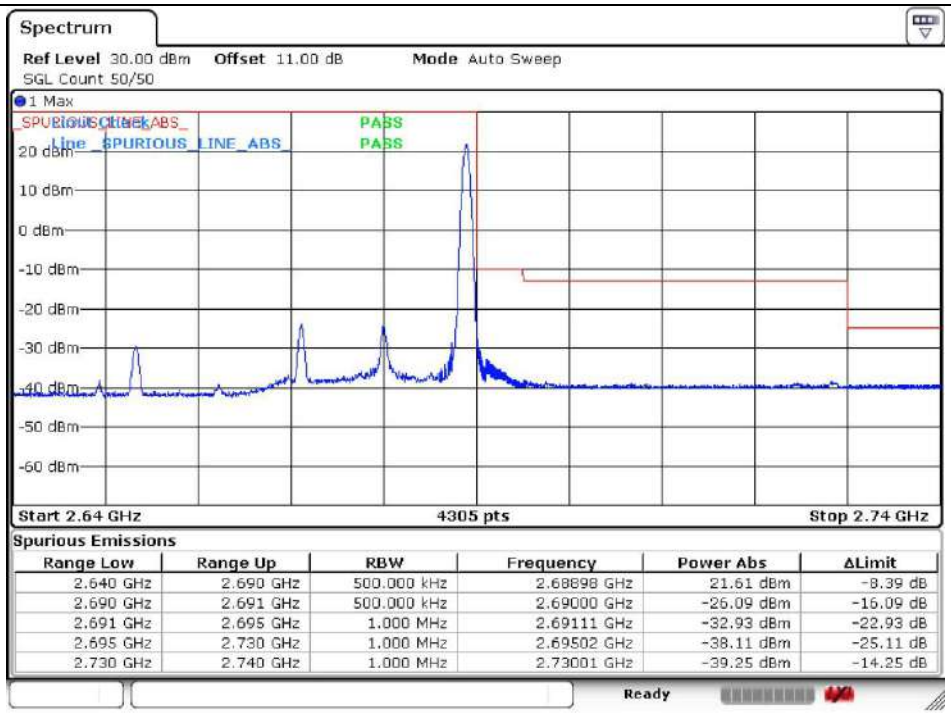

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.68898 GHz	21.61 dBm	-8.39 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69000 GHz	-26.09 dBm	-16.09 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69111 GHz	-32.93 dBm	-22.93 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69502 GHz	-38.11 dBm	-25.11 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73001 GHz	-39.25 dBm	-14.25 dB

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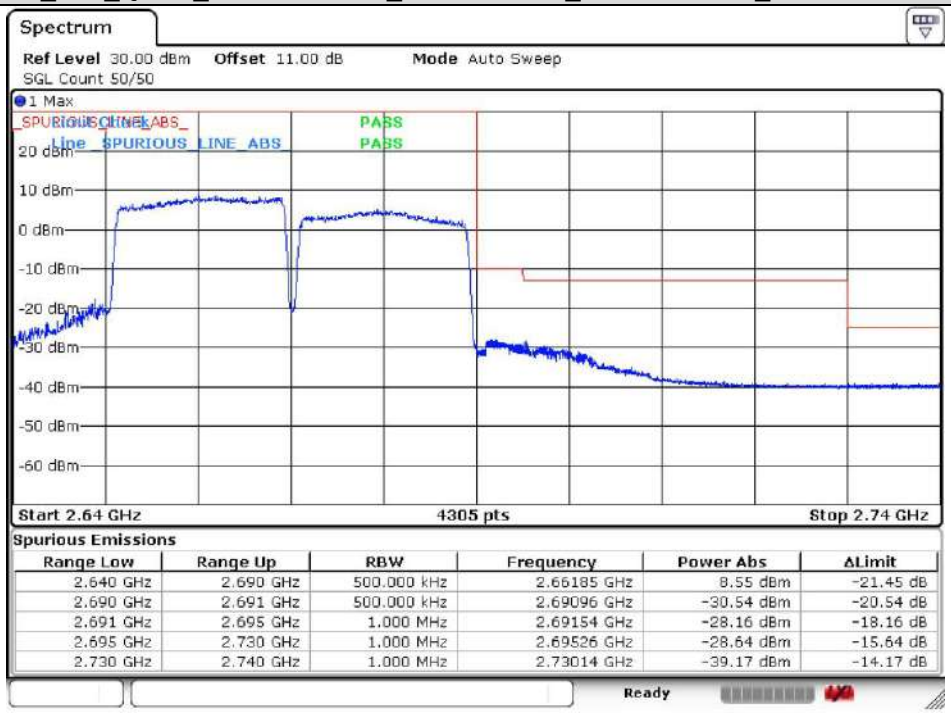

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.66185 GHz	8.55 dBm	-21.45 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69096 GHz	-30.54 dBm	-20.54 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69154 GHz	-28.16 dBm	-18.16 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69526 GHz	-28.64 dBm	-15.64 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73014 GHz	-39.17 dBm	-14.17 dB

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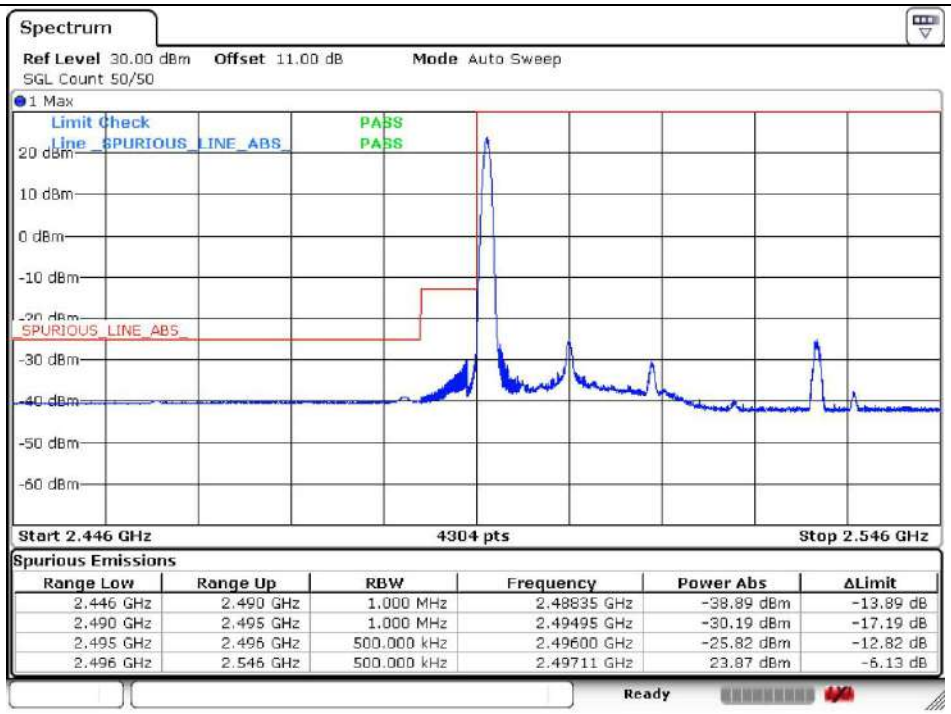

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48835 GHz	-38.89 dBm	-13.89 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49495 GHz	-30.19 dBm	-17.19 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49600 GHz	-25.82 dBm	-12.82 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.49711 GHz	23.87 dBm	-6.13 dB

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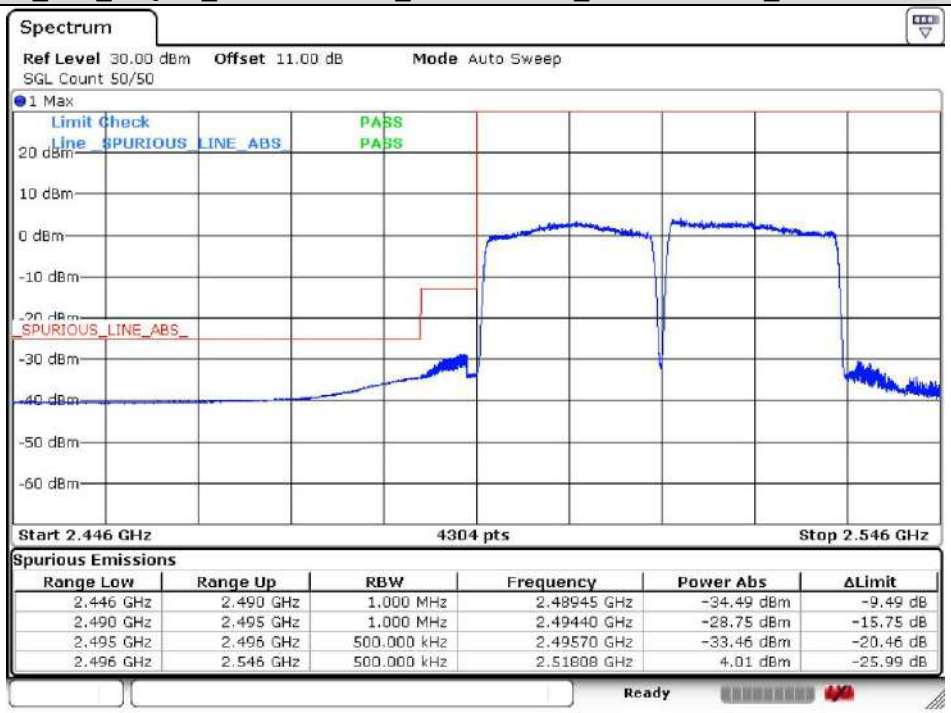

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48945 GHz	-34.49 dBm	-9.49 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49440 GHz	-28.75 dBm	-15.75 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49570 GHz	-33.46 dBm	-20.46 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.51808 GHz	4.01 dBm	-25.99 dB

Date: 31.JAN.2020 09:35:33

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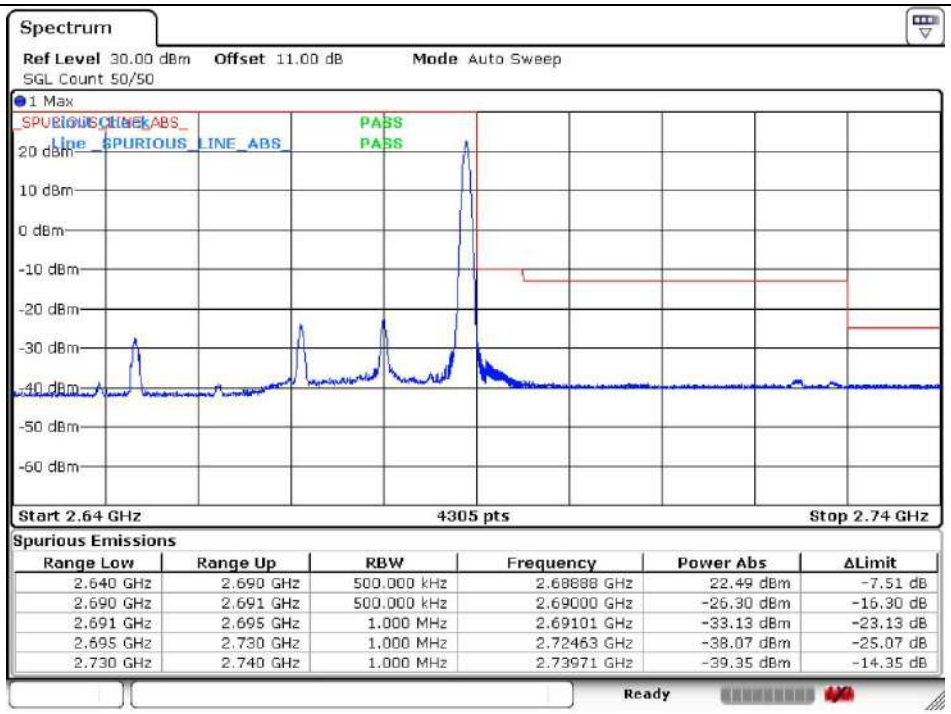

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.68888 GHz	22.49 dBm	-7.51 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69000 GHz	-26.30 dBm	-16.30 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-33.13 dBm	-23.13 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.72463 GHz	-38.07 dBm	-25.07 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73971 GHz	-39.35 dBm	-14.35 dB

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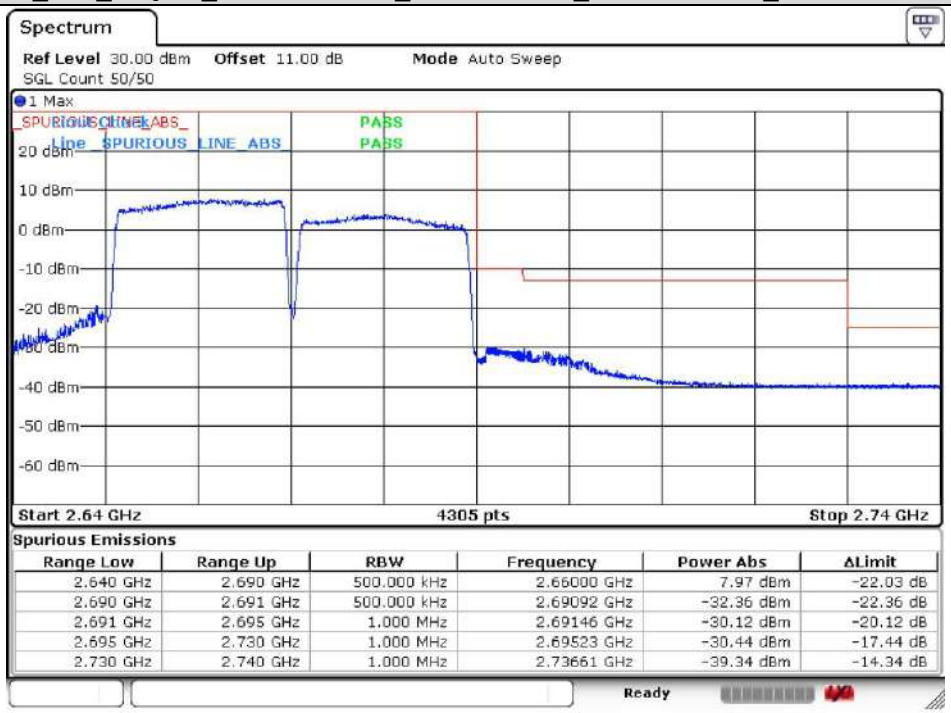

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.66000 GHz	7.97 dBm	-22.03 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69092 GHz	-32.36 dBm	-22.36 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69146 GHz	-30.12 dBm	-20.12 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69523 GHz	-30.44 dBm	-17.44 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73661 GHz	-39.34 dBm	-14.34 dB

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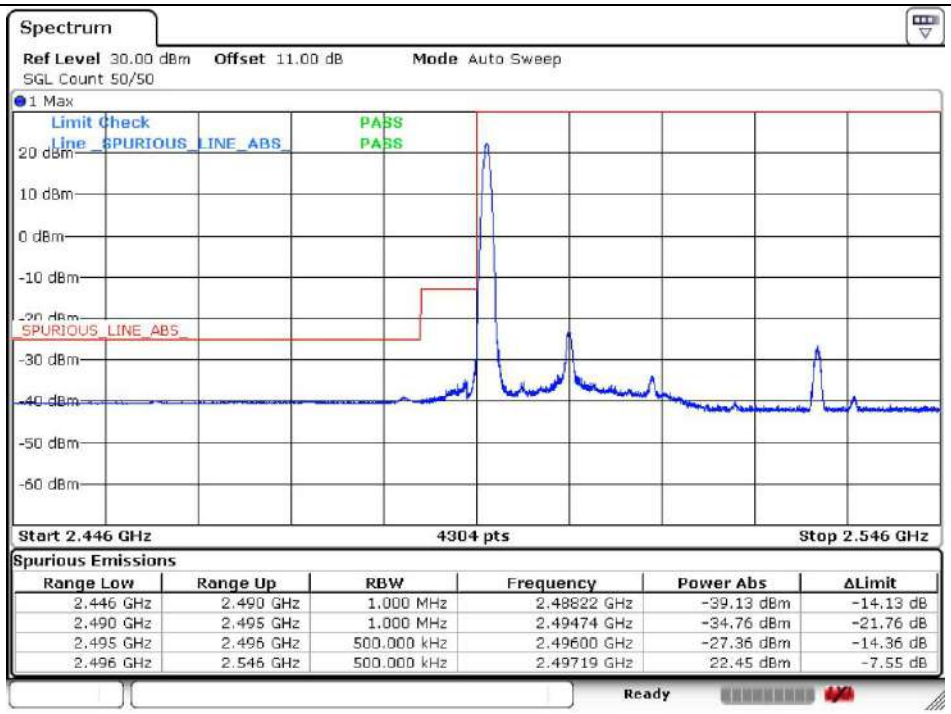

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48822 GHz	-39.13 dBm	-14.13 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49474 GHz	-34.76 dBm	-21.76 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49600 GHz	-27.36 dBm	-14.36 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.49719 GHz	22.45 dBm	-7.55 dB

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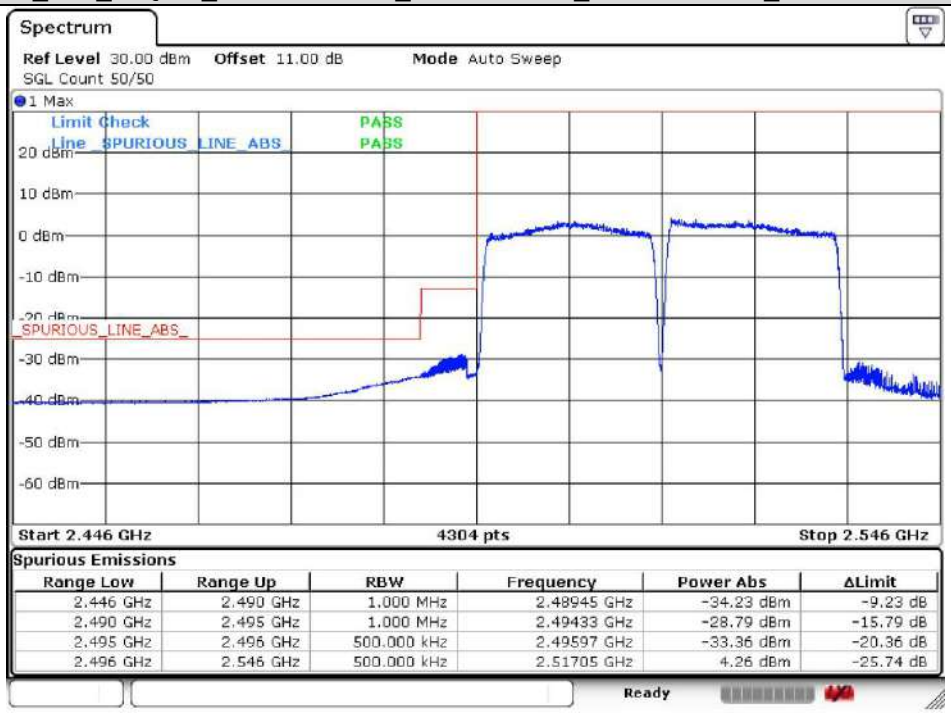

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48945 GHz	-34.23 dBm	-9.23 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49433 GHz	-28.79 dBm	-15.79 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49597 GHz	-33.36 dBm	-20.36 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.51705 GHz	4.26 dBm	-25.74 dB

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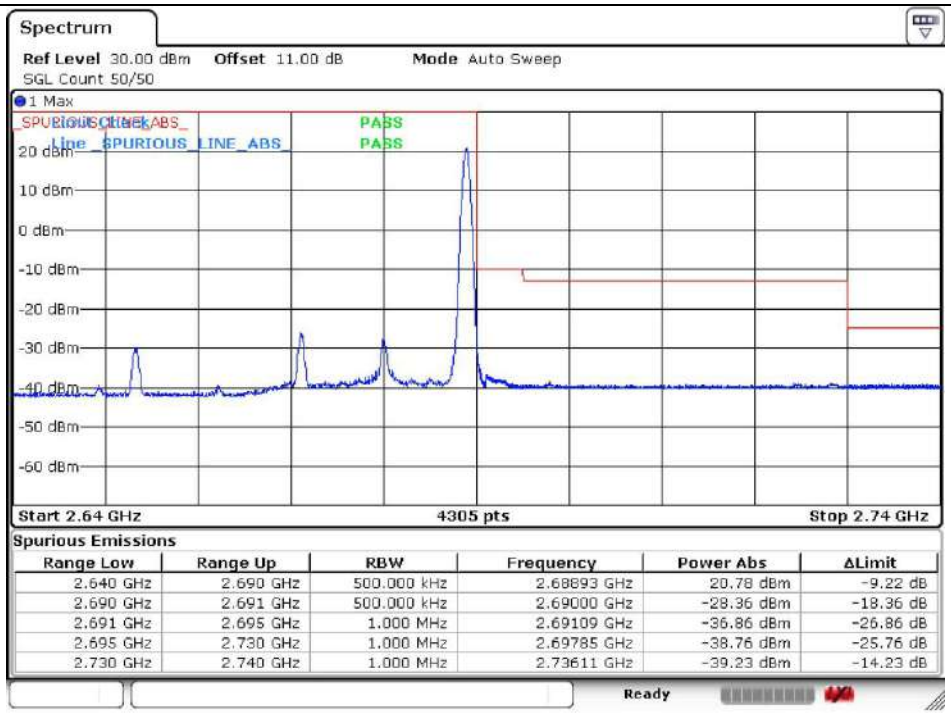

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.68893 GHz	20.78 dBm	-9.22 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69000 GHz	-28.36 dBm	-18.36 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-36.86 dBm	-26.86 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69785 GHz	-38.76 dBm	-25.76 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73611 GHz	-39.23 dBm	-14.23 dB

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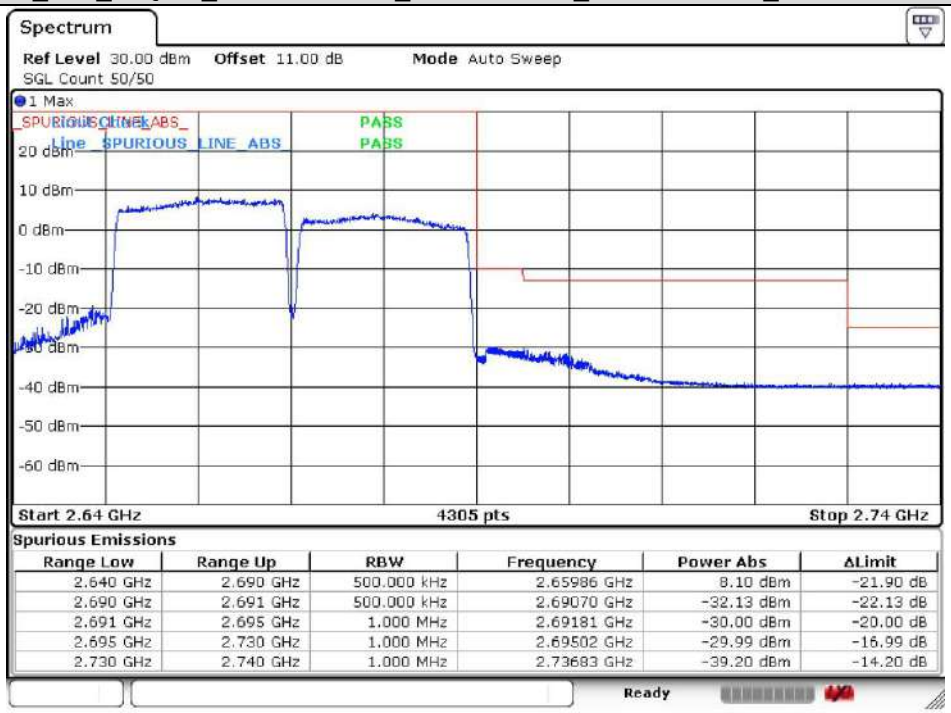

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.65986 GHz	8.10 dBm	-21.90 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69070 GHz	-32.13 dBm	-22.13 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69181 GHz	-30.00 dBm	-20.00 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69502 GHz	-29.99 dBm	-16.99 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73683 GHz	-39.20 dBm	-14.20 dB

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6 Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k 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_41C

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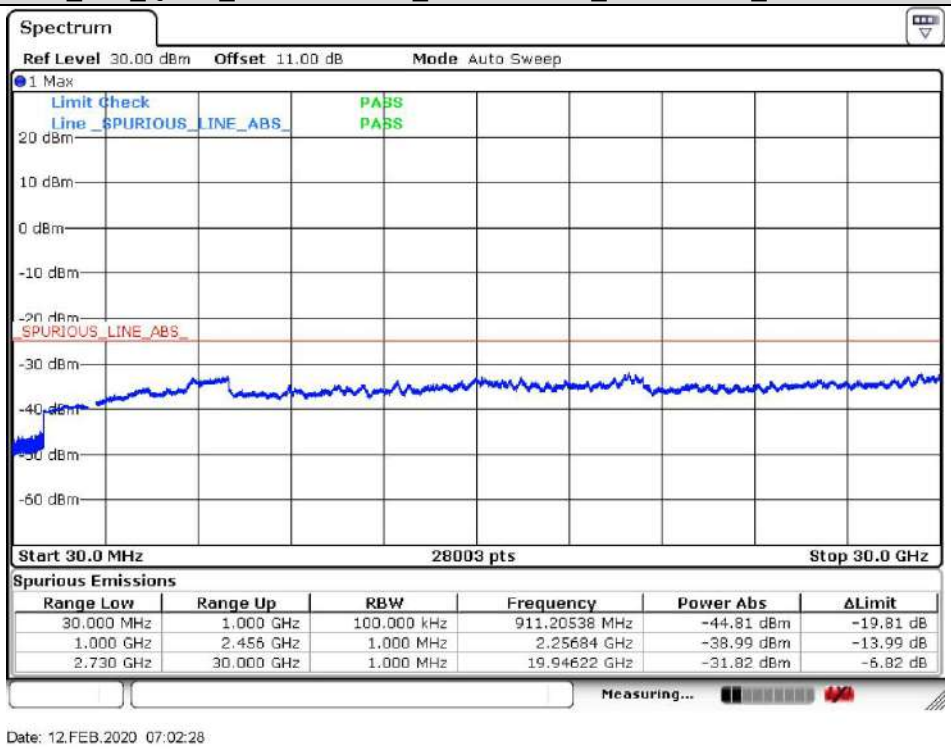

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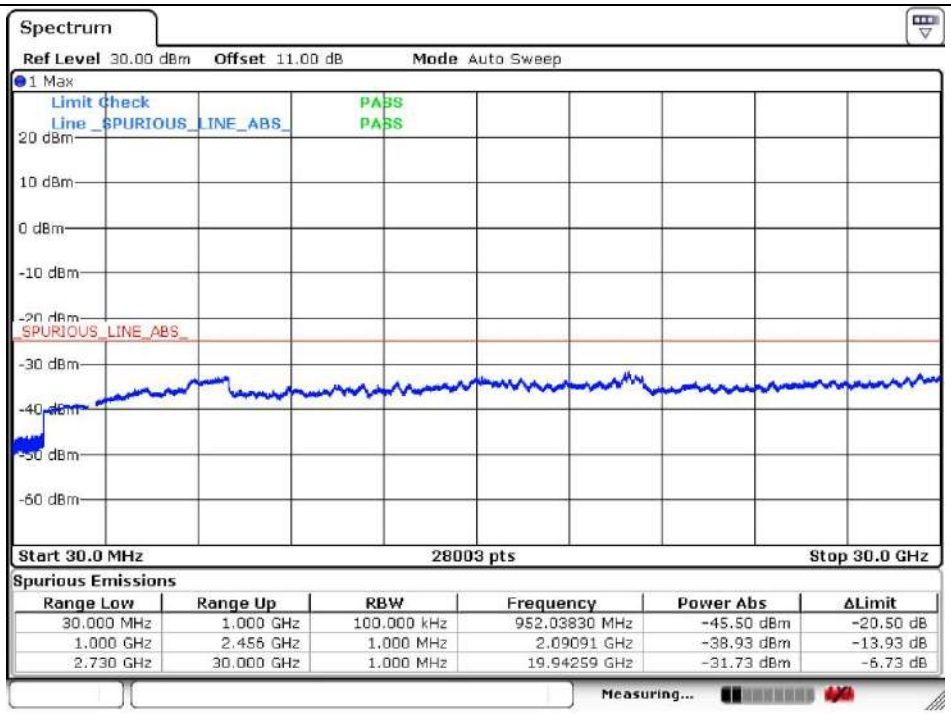

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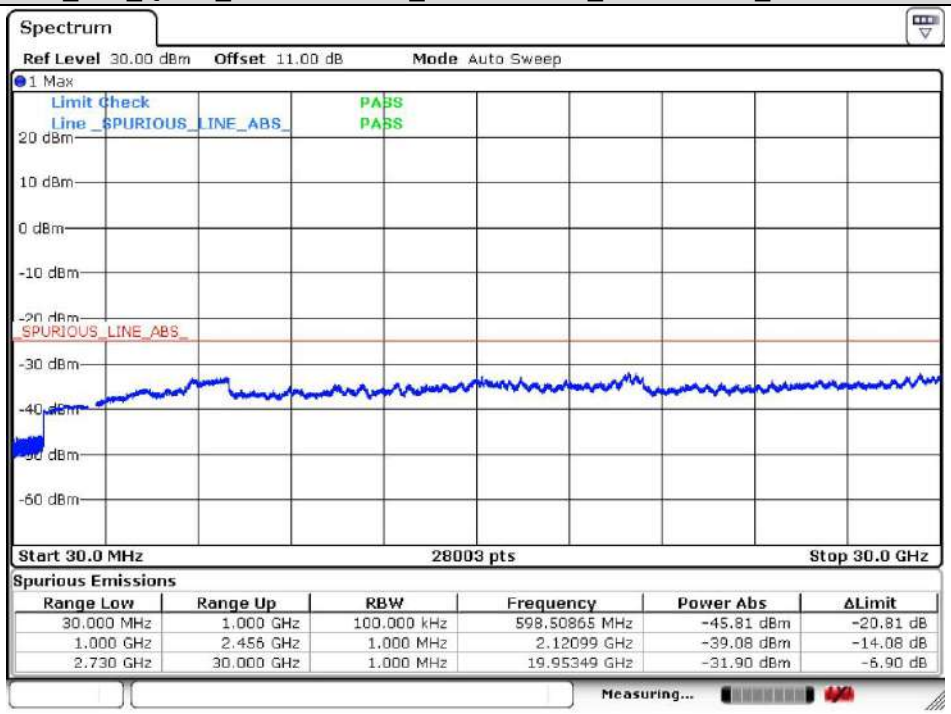

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7 Field Strength of Spurious Radiation

7.1 For LTE

7.1.1 Test Band = LTE Band CA_41C

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

7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
85.200000	-75.26	-25.00	50.26	285	267	Vertical
624.900000	-66.97	-25.00	41.97	284	164	Vertical
4994.000000	-57.78	-25.00	32.78	215	115	Vertical
7491.500000	-49.23	-25.00	24.23	229	83	Vertical
9988.500000	-41.64	-25.00	16.64	153	211	Vertical
14982.500000	-50.96	-25.00	25.96	242	246	Vertical
89.500000	-70.06	-25.00	45.06	224	148	Horizontal
624.900000	-64.02	-25.00	39.02	225	283	Horizontal
4994.000000	-59.05	-25.00	34.05	239	87	Horizontal
7491.000000	-51.97	-25.00	26.97	283	215	Horizontal
9988.500000	-45.60	-25.00	20.60	222	321	Horizontal
14983.000000	-52.89	-25.00	27.89	276	141	Horizontal

7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
88.53549	-71.51	-25.00	46.51	289	158	Vertical
626.4181	-63.83	-25.00	38.83	267	215	Vertical
4998.084	-53.39	-25.00	28.39	273	75	Vertical
7492.666	-45.66	-25.00	20.66	174	159	Vertical
9992.411	-37.63	-25.00	12.63	259	304	Vertical
14985.28	-50.89	-25.00	25.89	185	64	Vertical
93.43383	-68.51	-25.00	43.51	208	28	Horizontal
628.2922	-61.38	-25.00	36.38	187	140	Horizontal
4998.045	-54.86	-25.00	29.86	293	156	Horizontal
7492.509	-51.30	-25.00	26.30	242	109	Horizontal
9991.811	-45.00	-25.00	20.00	232	196	Horizontal
14987.41	-52.24	-25.00	27.24	186	228	Horizontal

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7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
87.64559	-74.72	-25.00	49.72	251	286	Vertical
626.2869	-65.01	-25.00	40.01	297	38	Vertical
4997.524	-56.54	-25.00	31.54	176	345	Vertical
7495.11	-44.24	-25.00	19.24	212	349	Vertical
9992.161	-40.41	-25.00	15.41	186	16	Vertical
14985.75	-49.07	-25.00	24.07	213	33	Vertical
89.76267	-66.63	-25.00	41.63	276	98	Horizontal
629.79	-59.78	-25.00	34.78	180	290	Horizontal
4994.086	-54.34	-25.00	29.34	226	98	Horizontal
7493.381	-51.32	-25.00	26.32	245	178	Horizontal
9991.996	-44.90	-25.00	19.90	283	282	Horizontal
14985.92	-49.78	-25.00	24.78	251	302	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 was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

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8 Frequency Stability

8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	RB Config	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit (ppm)	Verdict
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	TN	NV	-4.04	-0.001613	±2.5	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	TN	NV	13.49	0.005221	±2.5	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	TN	NV	-3.21	-0.001207	±2.5	PASS
CA_41C	QPSK	39867+39750	100RB#0/100RB#0	TN	NV	-1.72	-0.000681	±2.5	PASS
CA_41C	QPSK	39867+39750	100RB#0/100RB#0	TN	NV	-14.80	-0.005686	±2.5	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	TN	NV	-2.25	-0.000840	±2.5	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	TN	NV	7.28	0.002906	±2.5	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	TN	NV	10.56	0.004090	±2.5	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	TN	NV	13.33	0.005012	±2.5	PASS
CA_41C	16QAM	39867+39750	100RB#0/100RB#0	TN	NV	1.20	0.000474	±2.5	PASS
CA_41C	16QAM	39867+39750	100RB#0/100RB#0	TN	NV	-10.88	-0.004180	±2.5	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	TN	NV	11.55	0.004311	±2.5	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	TN	NV	4.57	0.001823	±2.5	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	TN	NV	-10.02	-0.003879	±2.5	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	TN	NV	13.14	0.004941	±2.5	PASS
CA_41C	64QAM	39867+39750	100RB#0/100RB#0	TN	NV	4.58	0.001812	±2.5	PASS
CA_41C	64QAM	39867+39750	100RB#0/100RB#0	TN	NV	4.01	0.001539	±2.5	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	TN	NV	1.54	0.000575	±2.5	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]	Limit (ppm)	Verdict
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	-30	13.92	0.005555	±2.5	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	-20	10.11	0.004034	±2.5	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	-10	-10.17	-0.004060	±2.5	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	0	-11.52	-0.004596	±2.5	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	10	5.50	0.002196	±2.5	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	20	2.51	0.001000	±2.5	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	30	0.60	0.000241	±2.5	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	40	-7.75	-0.003094	±2.5	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	50	-14.16	-0.005652	±2.5	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	-30	2.23	0.000864	±2.5	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	-20	10.67	0.004130	±2.5	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	-10	-3.03	-0.001173	±2.5	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	0	-13.20	-0.005109	±2.5	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	10	-3.29	-0.001274	±2.5	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	20	13.09	0.005069	±2.5	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	30	-5.52	-0.002136	±2.5	PASS

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CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	40	9.59	0.003714	±2.5	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	50	12.93	0.005005	±2.5	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	-30	3.63	0.001364	±2.5	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	-20	-7.63	-0.002870	±2.5	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	-10	2.14	0.000804	±2.5	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	0	10.01	0.003762	±2.5	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	10	-3.32	-0.001247	±2.5	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	20	-0.38	-0.000143	±2.5	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	30	7.95	0.002990	±2.5	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	40	-7.87	-0.002960	±2.5	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	50	9.29	0.003493	±2.5	PASS
CA_41C	QPSK	39867+39750	100RB#0/100RB#0	NV	-30	6.76	0.002678	±2.5	PASS
CA_41C	QPSK	39867+39750	100RB#0/100RB#0	NV	-20	-14.13	-0.005594	±2.5	PASS
CA_41C	QPSK	39867+39750	100RB#0/100RB#0	NV	-10	-7.51	-0.002974	±2.5	PASS
CA_41C	QPSK	39867+39750	100RB#0/100RB#0	NV	0	-5.82	-0.002306	±2.5	PASS
CA_41C	QPSK	39867+39750	100RB#0/100RB#0	NV	10	-1.45	-0.000574	±2.5	PASS
CA_41C	QPSK	39867+39750	100RB#0/100RB#0	NV	20	10.63	0.004209	±2.5	PASS
CA_41C	QPSK	39867+39750	100RB#0/100RB#0	NV	30	7.89	0.003122	±2.5	PASS
CA_41C	QPSK	39867+39750	100RB#0/100RB#0	NV	40	11.58	0.004585	±2.5	PASS
CA_41C	QPSK	39867+39750	100RB#0/100RB#0	NV	50	0.61	0.000240	±2.5	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	-30	9.46	0.003634	±2.5	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	-20	-0.97	-0.000372	±2.5	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	-10	-6.33	-0.002431	±2.5	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	0	-9.19	-0.003531	±2.5	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	10	13.92	0.005350	±2.5	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	20	-1.27	-0.000487	±2.5	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	30	-8.77	-0.003370	±2.5	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	40	2.24	0.000859	±2.5	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	50	1.25	0.000481	±2.5	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	-30	5.74	0.002143	±2.5	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	-20	-10.97	-0.004094	±2.5	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	-10	6.11	0.002279	±2.5	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	0	-4.31	-0.001607	±2.5	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	10	12.34	0.004604	±2.5	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	20	-13.67	-0.005101	±2.5	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	30	-1.13	-0.000420	±2.5	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	40	9.02	0.003367	±2.5	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	50	-13.68	-0.005104	±2.5	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	-30	6.83	0.002725	±2.5	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	-20	3.59	0.001434	±2.5	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	-10	-2.99	-0.001193	±2.5	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	0	12.94	0.005163	±2.5	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	10	11.50	0.004590	±2.5	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	20	-8.75	-0.003490	±2.5	PASS

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CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	30	-10.64	-0.004245	±2.5	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	40	-4.53	-0.001806	±2.5	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	50	3.24	0.001294	±2.5	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	-30	7.21	0.002793	±2.5	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	-20	-0.10	-0.000037	±2.5	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	-10	-12.89	-0.004990	±2.5	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	0	-10.39	-0.004024	±2.5	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	10	12.80	0.004956	±2.5	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	20	-7.34	-0.002842	±2.5	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	30	-8.66	-0.003354	±2.5	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	40	-7.53	-0.002914	±2.5	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	50	12.53	0.004849	±2.5	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	-30	-11.37	-0.004274	±2.5	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	-20	7.09	0.002664	±2.5	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	-10	-9.13	-0.003431	±2.5	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	0	-10.63	-0.003995	±2.5	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	10	-4.30	-0.001616	±2.5	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	20	8.98	0.003377	±2.5	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	30	9.85	0.003701	±2.5	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	40	-8.28	-0.003113	±2.5	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	50	0.01	0.000004	±2.5	PASS
CA_41C	16QAM	39867+39750	100RB#0/100RB#0	NV	-30	5.25	0.002080	±2.5	PASS
CA_41C	16QAM	39867+39750	100RB#0/100RB#0	NV	-20	11.59	0.004589	±2.5	PASS
CA_41C	16QAM	39867+39750	100RB#0/100RB#0	NV	-10	10.13	0.004011	±2.5	PASS
CA_41C	16QAM	39867+39750	100RB#0/100RB#0	NV	0	-3.34	-0.001323	±2.5	PASS
CA_41C	16QAM	39867+39750	100RB#0/100RB#0	NV	10	-14.83	-0.005871	±2.5	PASS
CA_41C	16QAM	39867+39750	100RB#0/100RB#0	NV	20	-12.33	-0.004881	±2.5	PASS
CA_41C	16QAM	39867+39750	100RB#0/100RB#0	NV	30	-13.00	-0.005145	±2.5	PASS
CA_41C	16QAM	39867+39750	100RB#0/100RB#0	NV	40	-8.50	-0.003364	±2.5	PASS
CA_41C	16QAM	39867+39750	100RB#0/100RB#0	NV	50	12.61	0.004992	±2.5	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	-30	2.73	0.001051	±2.5	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	-20	-3.05	-0.001171	±2.5	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	-10	0.13	0.000049	±2.5	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	0	5.37	0.002062	±2.5	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	10	-5.11	-0.001962	±2.5	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	20	-1.78	-0.000685	±2.5	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	30	-8.89	-0.003414	±2.5	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	40	-0.45	-0.000174	±2.5	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	50	-13.14	-0.005049	±2.5	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	-30	-3.41	-0.001272	±2.5	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	-20	4.52	0.001687	±2.5	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	-10	-11.63	-0.004340	±2.5	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	0	-13.07	-0.004878	±2.5	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	10	11.84	0.004417	±2.5	PASS

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CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	20	0.58	0.000215	±2.5	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	30	8.32	0.003105	±2.5	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	40	1.86	0.000694	±2.5	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	50	1.81	0.000676	±2.5	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	-30	-7.15	-0.002853	±2.5	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	-20	-2.75	-0.001098	±2.5	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	-10	-6.57	-0.002623	±2.5	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	0	4.65	0.001856	±2.5	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	10	-10.05	-0.004008	±2.5	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	20	-4.87	-0.001942	±2.5	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	30	6.47	0.002583	±2.5	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	40	-5.71	-0.002277	±2.5	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	50	2.21	0.000881	±2.5	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	-30	3.84	0.001487	±2.5	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	-20	2.10	0.000811	±2.5	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	-10	7.01	0.002713	±2.5	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	0	-1.42	-0.000552	±2.5	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	10	-9.44	-0.003654	±2.5	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	20	-5.90	-0.002282	±2.5	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	30	0.83	0.000320	±2.5	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	40	10.30	0.003989	±2.5	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	50	-7.77	-0.003009	±2.5	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	-30	13.83	0.005199	±2.5	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	-20	9.74	0.003662	±2.5	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	-10	1.77	0.000666	±2.5	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	0	8.86	0.003332	±2.5	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	10	-3.17	-0.001193	±2.5	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	20	5.84	0.002196	±2.5	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	30	13.89	0.005221	±2.5	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	40	8.44	0.003173	±2.5	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	50	-10.14	-0.003812	±2.5	PASS
CA_41C	64QAM	39867+39750	100RB#0/100RB#0	NV	-30	-2.56	-0.001015	±2.5	PASS
CA_41C	64QAM	39867+39750	100RB#0/100RB#0	NV	-20	13.34	0.005283	±2.5	PASS
CA_41C	64QAM	39867+39750	100RB#0/100RB#0	NV	-10	11.59	0.004590	±2.5	PASS
CA_41C	64QAM	39867+39750	100RB#0/100RB#0	NV	0	-4.86	-0.001923	±2.5	PASS
CA_41C	64QAM	39867+39750	100RB#0/100RB#0	NV	10	10.78	0.004269	±2.5	PASS
CA_41C	64QAM	39867+39750	100RB#0/100RB#0	NV	20	-2.11	-0.000835	±2.5	PASS
CA_41C	64QAM	39867+39750	100RB#0/100RB#0	NV	30	-0.72	-0.000287	±2.5	PASS
CA_41C	64QAM	39867+39750	100RB#0/100RB#0	NV	40	0.01	0.000002	±2.5	PASS
CA_41C	64QAM	39867+39750	100RB#0/100RB#0	NV	50	-8.65	-0.003426	±2.5	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	-30	9.15	0.003514	±2.5	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	-20	-7.06	-0.002712	±2.5	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	-10	9.06	0.003482	±2.5	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	0	6.93	0.002661	±2.5	PASS

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CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	10	-3.14	-0.001207	±2.5	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	20	-10.25	-0.003937	±2.5	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	30	-14.00	-0.005378	±2.5	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	40	-2.53	-0.000971	±2.5	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	50	-12.28	-0.004717	±2.5	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	-30	2.14	0.000797	±2.5	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	-20	13.58	0.005066	±2.5	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	-10	11.94	0.004456	±2.5	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	0	6.74	0.002516	±2.5	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	10	-12.91	-0.004818	±2.5	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	20	-7.76	-0.002896	±2.5	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	30	3.26	0.001217	±2.5	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	40	-7.22	-0.002695	±2.5	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	50	-12.02	-0.004484	±2.5	PASS

The End

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