Appendix B

E-UTRA Band CA_38C

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CONTENT

Page

1 EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA 5

1.1 MAX POWER TEST RESULT FOR LTE BAND CA_38C(ANT4) 5

2 PEAK-TO-AVERAGE RATIO 6

2.1 FOR LTE 7

2.1.1 Test Band = LTE Band CA_38C 7

3 MODULATION CHARACTERISTICS 12

3.1 FOR LTE 12

3.1.1 Test Band = LTE Band CA_38C 12

4 26DB BANDWIDTH AND OCCUPIED BANDWIDTH 15

4.1 FOR LTE 16

4.1.1 Test Band = LTE Band CA_38C 16

5 BAND EDGES COMPLIANCE 26

5.1 FOR LTE 26

5.1.1 Test Band = LTE Band CA_38C 26

6 SPURIOUS EMISSION AT ANTENNA TERMINAL 39

6.1 FOR LTE 39

6.1.1 Test Band = LTE Band CA_38C 39

7 FIELD STRENGTH OF SPURIOUS RADIATION 53

7.1 FOR LTE UL CA 53

7.1. Test Band = 38C_ ANT0 53

7.1.1. Test Channel = Mid Channel 53

7.2. Test Band =38C_ ANT0 54

7.2.1. Test Channel = Mid Channel 54

7.3. Test Band =38C_ ANT2 55

7.3.1. Test Channel = Mid Channel 55

7.4. Test Band = 38C_ ANT2 56

7.4.1. Test Channel = Mid Channel 56

7.5. Test Band =38C _ ANT3 57

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7.5.1. Test Channel = Mid Channel 57
7.6. Test Band =38C _ ANT3 58
7.6.1. Test Channel = Mid Channel 58
7.7. Test Band =38C_ ANT2 59
7.7.1. Test Channel = Mid Channel 59
7.8. Test Band = 38C_ ANT2 60
7.8.1. Test Channel = Mid Channel 60
7.9. Test Band = 38C_ _ ANT0 61
7.9.1. Test Channel = Mid Channel 61
7.10. Test Band = 38C_ _ ANT0 62
7.10.1. Test Channel = Mid Channel 62
7.11. Test Band = 38C_ _ ANT0 63
7.11.1. Test Channel = Low Channel 63
7.12. Test Band = 38C_ _ ANT0 64
7.12.1. Test Channel = Low Channel 64
7.13. Test Band = 38C_ _ ANT0 65
7.13.1. Test Channel = High Channel 65
7.14. Test Band = 38C_ _ ANT0 66
7.14.1. Test Channel = High Channel 66
7.15. Test Band = 38C_ _ ANT2 67
7.15.1. Test Channel = Low Channel 67
7.16. Test Band = 38C_ _ANT2 68
7.16.1. Test Channel = Low Channel 68
7.17. Test Band = 38C_ _ANT2 69
7.17.1. Test Channel = Mid Channel 69
7.18. Test Band = 38C_ _ANT2 70
7.18.1. Test Channel = Mid Channel 70
7.19. Test Band = 38C_ _ANT2 71
7.19.1. Test Channel = High Channel 71
7.20. Test Band = 38C_ _ANT2 72
7.20.1. Test Channel = High Channel 72
7.21. Test Band = 38C_ _ANT3 73
7.21.1. Test Channel = Low Channel 73
7.22. Test Band = 38C_ _ANT3 74

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7.22.1. Test Channel = Low Channel 74
7.23. Test Band = 38C_ _ANT3 75
7.23.1. Test Channel = Mid Channel 75
7.24. Test Band = 38C_ _ANT3 76
7.24.1. Test Channel = Mid Channel 76
7.25. Test Band = 38C_ _ANT3 77
7.25.1. Test Channel = High Channel 77
7.26. Test Band = 38C_ _ANT3 78
7.26.1. Test Channel = High Channel 78
7.27. Test Band = 38C_ _ANT4 79
7.27.1. Test Channel = Low Channel 79
7.28. Test Band = 38C_ _ANT4 80
7.28.1. Test Channel = Low Channel 80
7.29. Test Band = 38C_ _ANT4 81
7.29.1. Test Channel = Mid Channel 81
7.30. Test Band = 38C_ _ANT4 82
7.30.1. Test Channel = Mid Channel 82
7.31. Test Band = 38C_ _ANT4 83
7.31.1. Test Channel = High Channel 83
7.32. Test Band = 38C_ _ANT4 84
7.32.1. Test Channel = High Channel 84

8 FREQUENCY STABILITY 85

8.1 FREQUENCY ERROR VS. VOLTAGE 85
8.2 FREQUENCY ERROR VS. TEMPERATURE 86

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1 Effective (Isotropic) Radiated Power Output Data

1.1 Max Power Test Result for LTE Band CA_38C(ANT4)

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	QPSK	23.72	23.62	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	QPSK	23.79	23.69	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	QPSK	23.67	23.57	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	QPSK	23.81	23.71	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	QPSK	23.91	23.81	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	QPSK	24.02	23.92	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	QPSK	23.34	23.24	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	QPSK	23.47	23.37	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	QPSK	23.3	23.2	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	QPSK	23.45	23.35	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	QPSK	23.32	23.22	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	QPSK	23.5	23.4	33.00	PASS
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	16QAM	22.75	22.65	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	16QAM	23.79	23.69	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	16QAM	22.72	22.62	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	16QAM	22.8	22.7	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	16QAM	22.96	22.86	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	16QAM	22.99	22.89	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	16QAM	22.39	22.29	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	16QAM	22.33	22.23	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	16QAM	22.35	22.25	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	16QAM	22.32	22.22	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	16QAM	22.35	22.25	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	16QAM	22.37	22.27	33.00	PASS
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	64QAM	21.56	21.46	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	64QAM	21.69	21.59	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	64QAM	21.53	21.43	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	64QAM	21.7	21.6	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	64QAM	21.77	21.67	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	64QAM	21.88	21.78	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	64QAM	21.2	21.1	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	64QAM	21.42	21.32	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	64QAM	21.2	21.1	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	64QAM	21.41	21.31	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	64QAM	21.19	21.09	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	64QAM	20.64	20.54	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_38C	QPSK	100RB+100RB	37850+38048	100RB#0	100RB#0	9.42	13.00	PASS
CA_38C	QPSK	100RB+100RB	37901+38099	100RB#0	100RB#0	8.26	13.00	PASS
CA_38C	QPSK	100RB+100RB	37952+38150	100RB#0	100RB#0	8.26	13.00	PASS
CA_38C	16QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	9.10	13.00	PASS
CA_38C	16QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	9.04	13.00	PASS
CA_38C	16QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	9.04	13.00	PASS
CA_38C	64QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	11.45	13.00	PASS
CA_38C	64QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	9.57	13.00	PASS
CA_38C	64QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	9.54	13.00	PASS

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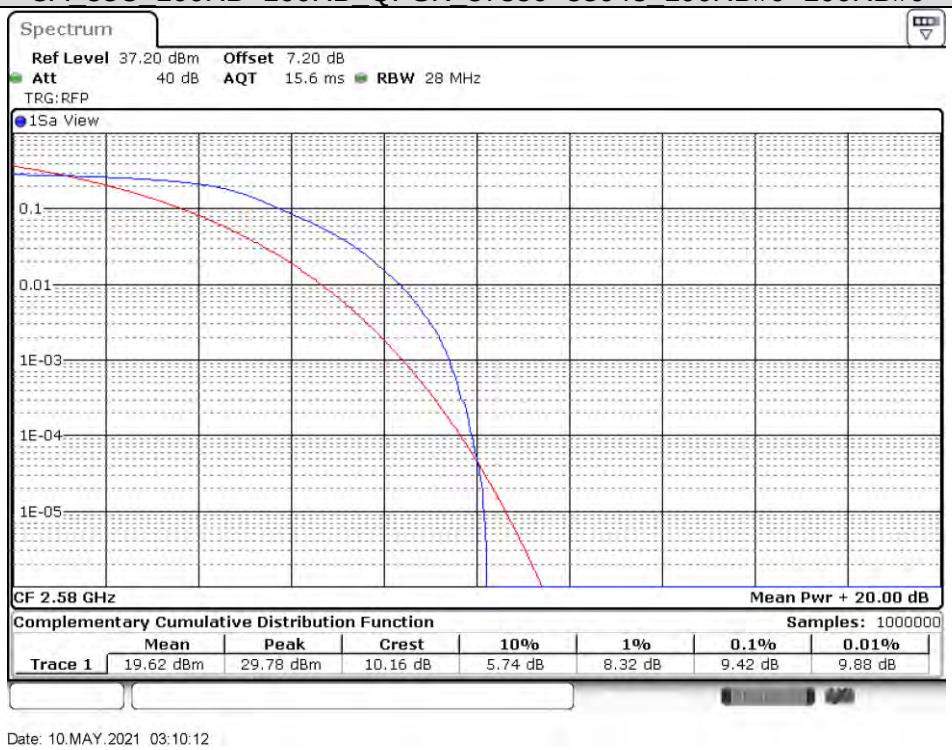
2.1 For LTE

2.1.1 Test Band = LTE Band CA_38C

CA_38C_100RB+100RB_QPSK_37850+38048_100RB#0+100RB#0



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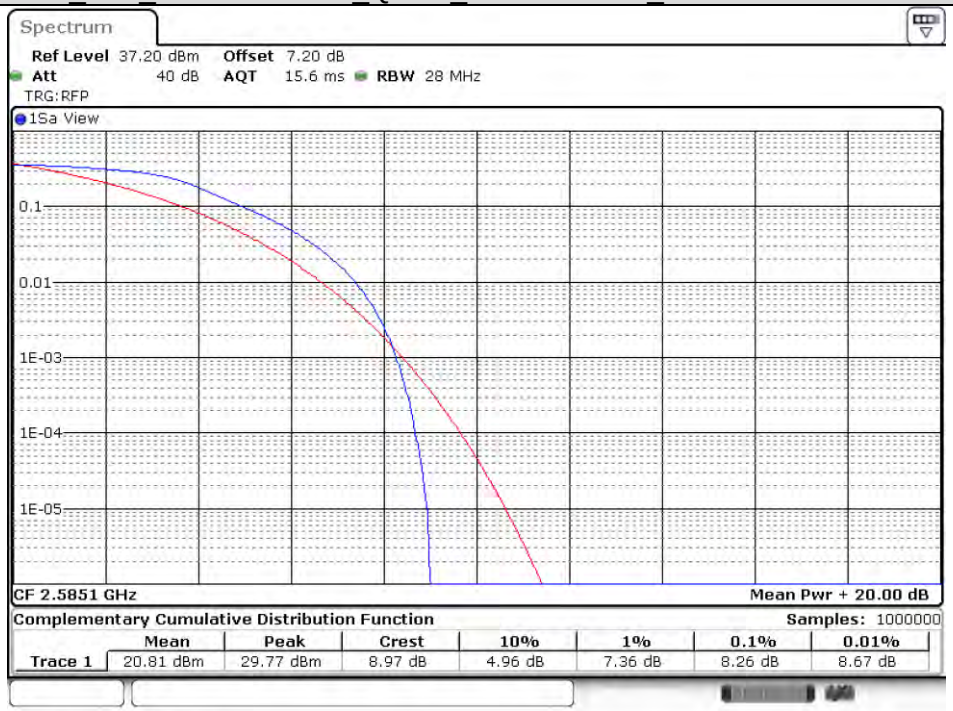
CA_38C_100RB+100RB_QPSK_37901+38099_100RB#0+100RB#0



Date: 10.MAY.2021 03:10:34

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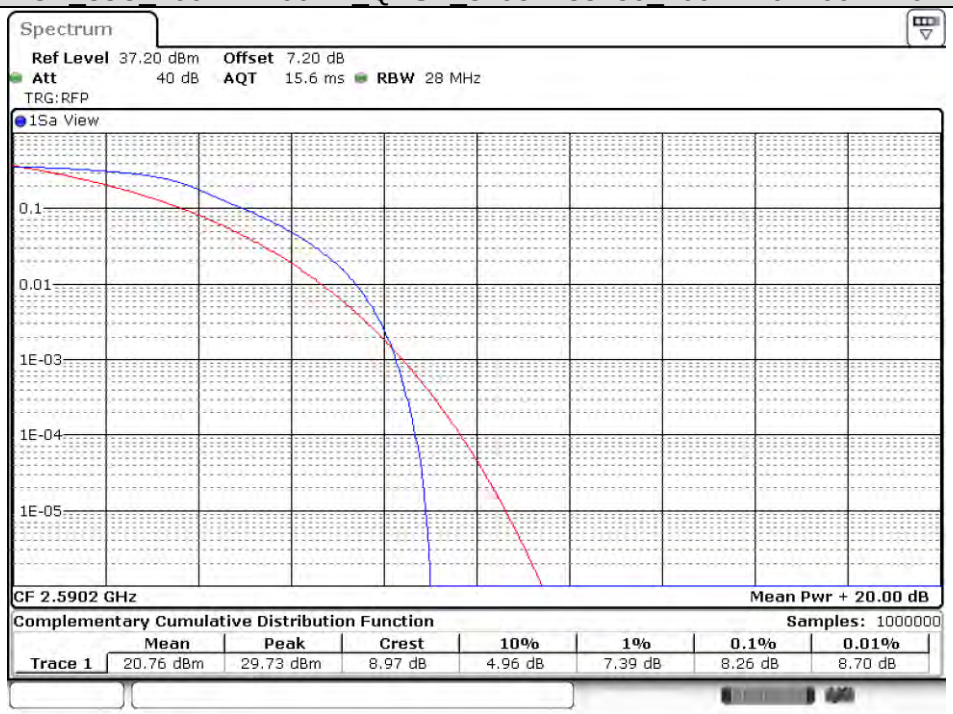

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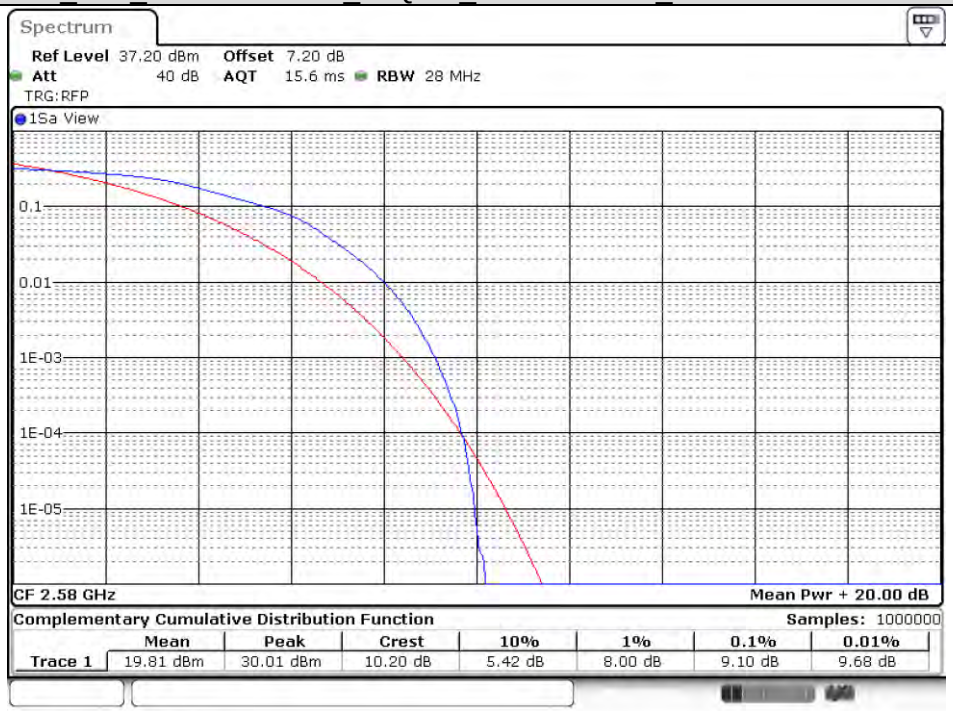
CA_38C_100RB+100RB_16QAM_37850+38048_100RB#0+100RB#0



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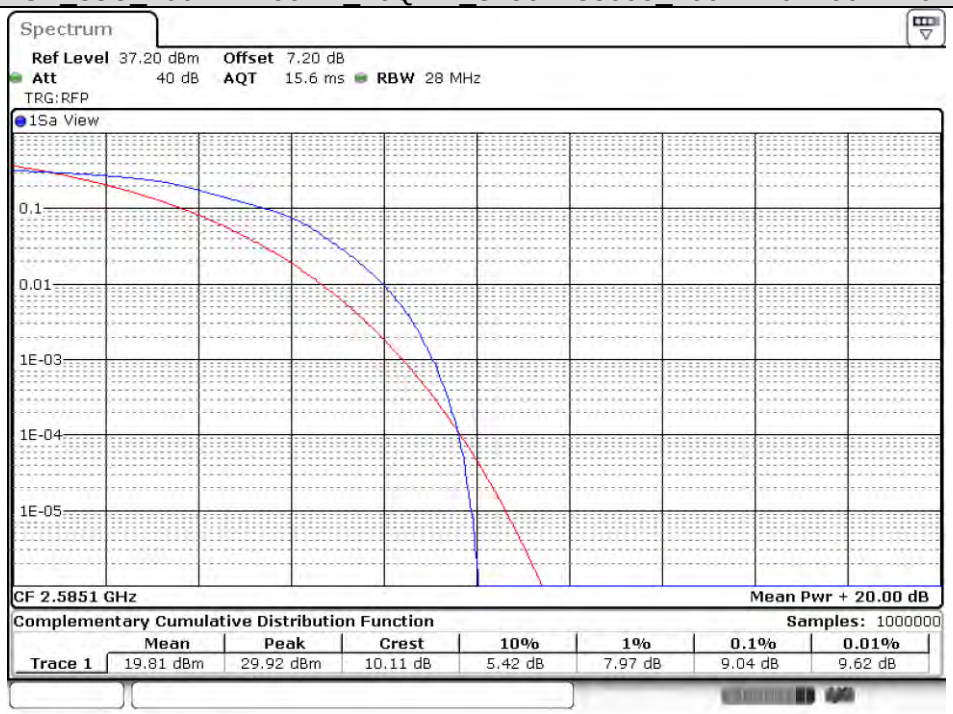

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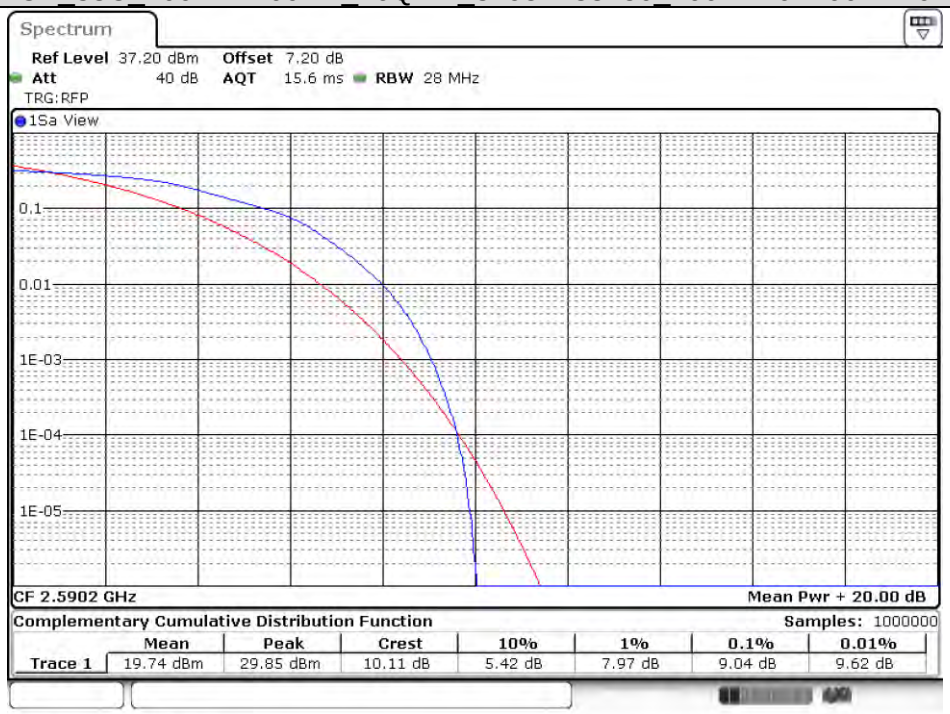
CA_38C_100RB+100RB_16QAM_37952+38150_100RB#0+100RB#0



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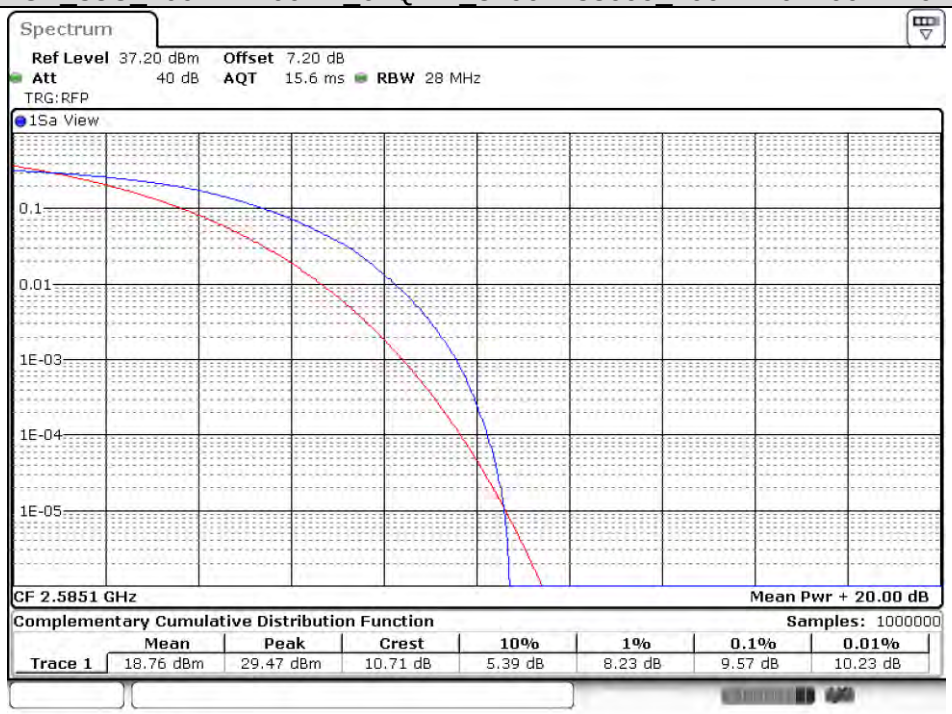

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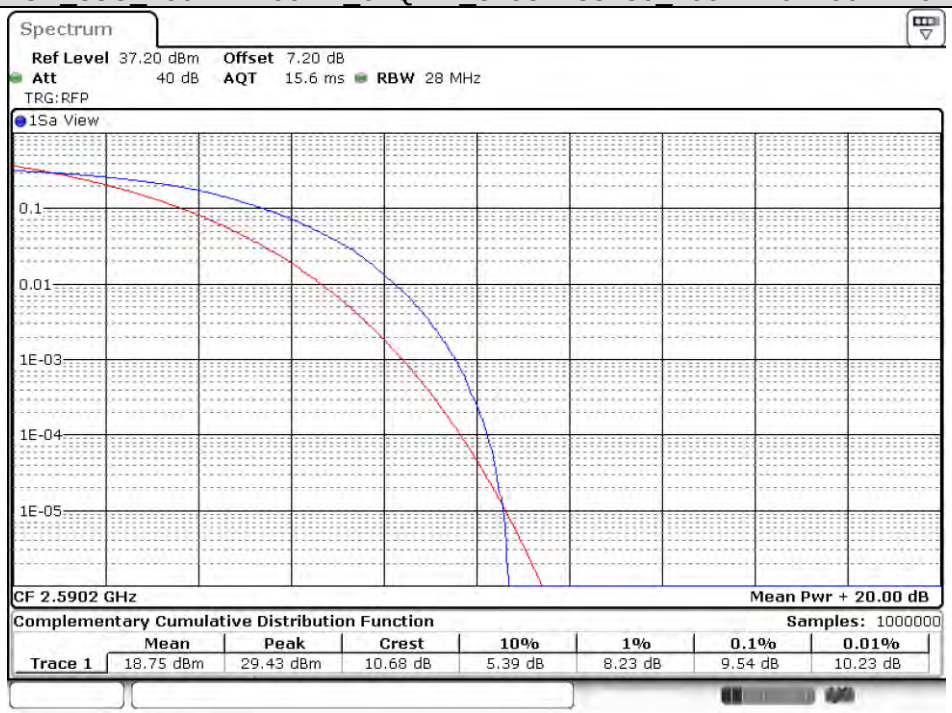

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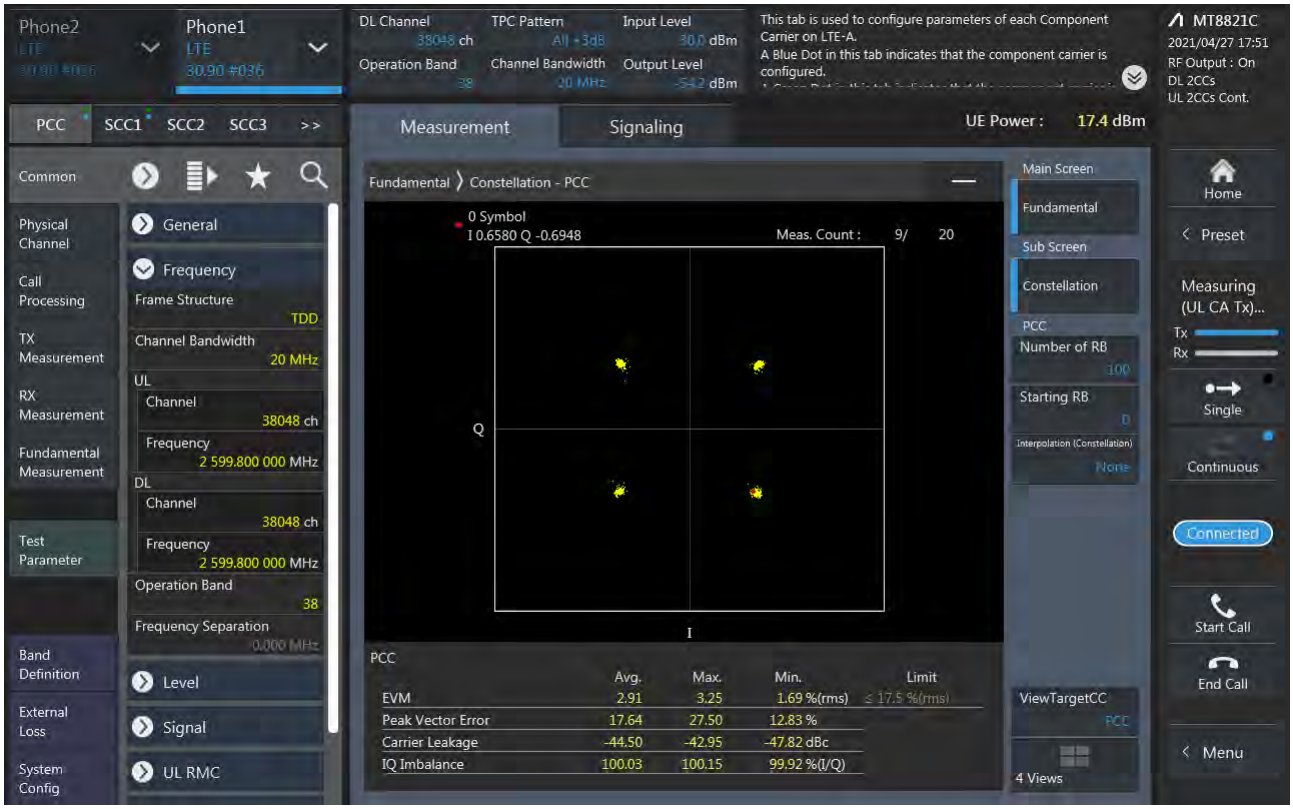
3 Modulation Characteristics

3.1 For LTE

3.1.1 Test Band = LTE Band CA_38C

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

3.1.1.1.1 Test Channel = 37850+38048



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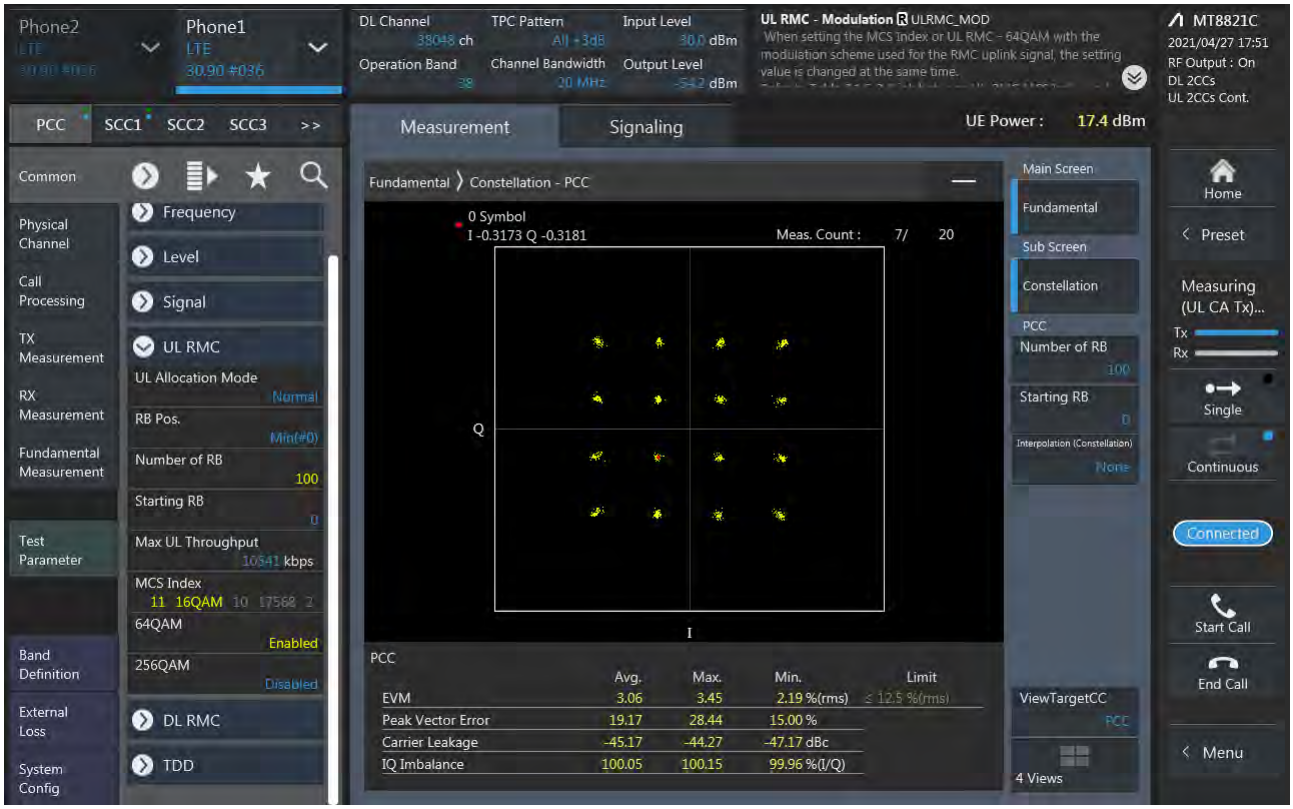
3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB

3.1.1.2.1 Test Channel =37850+38048



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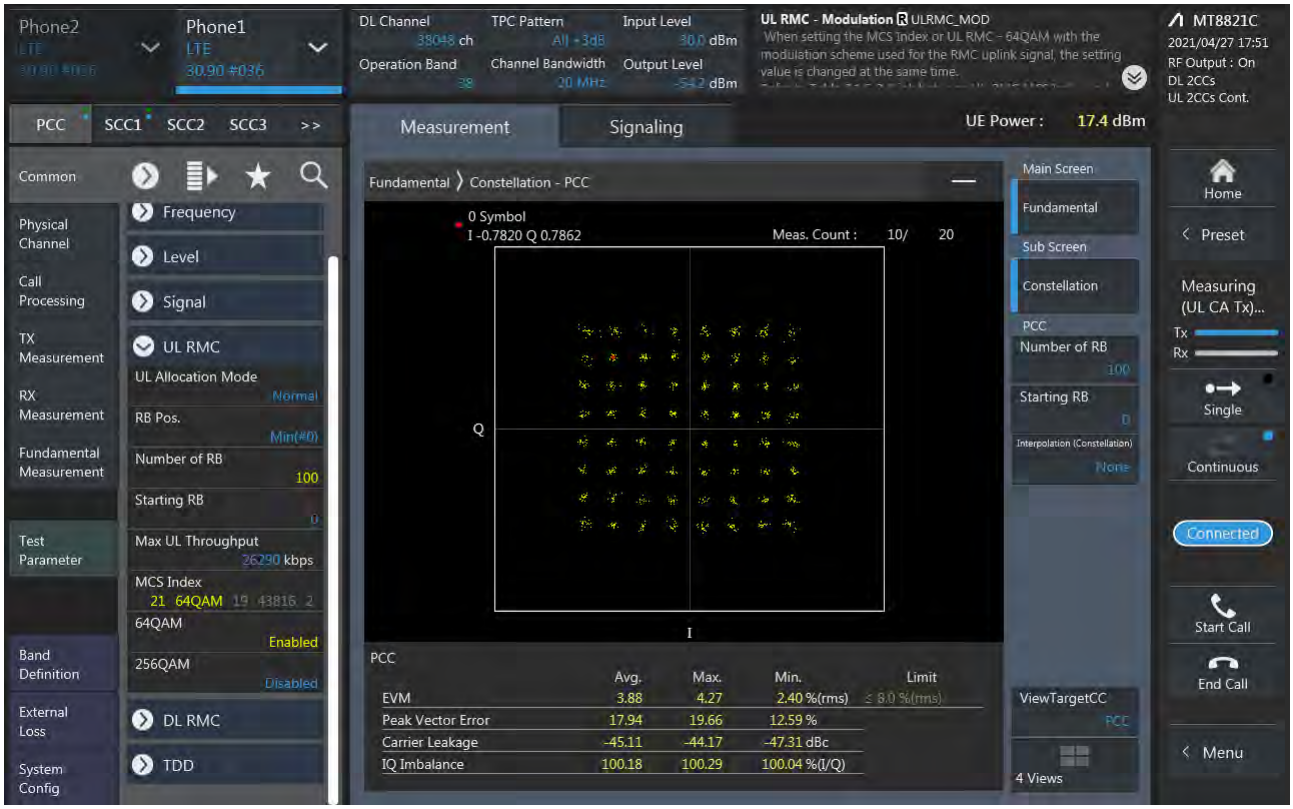
3.1.1.3 Test Mode = LTE /64QAM 100RB+100RB

3.1.1.3.1 Test Channel = 37850+38048



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4 26dB Bandwidth and Occupied Bandwidth

Test Band	Modulation PCC&SCC	Test Mode PCC/SCC	Test Channel PCC/SCC	PCC RB	SCC RB	OBW [MHz]	EBW [MHz]	Verdict
CA_38C	QPSK	75RB+75RB	37825+37975	75RB#0	75RB#0	28.21	29.18	PASS
CA_38C	16QAM	75RB+75RB	37825+37975	75RB#0	75RB#0	28.22	29.17	PASS
CA_38C	64QAM	75RB+75RB	37825+37975	75RB#0	75RB#0	28.21	29.18	PASS
CA_38C	QPSK	75RB+75RB	37925+38075	75RB#0	75RB#0	28.21	29.18	PASS
CA_38C	16QAM	75RB+75RB	37925+38075	75RB#0	75RB#0	28.19	29.20	PASS
CA_38C	64QAM	75RB+75RB	37925+38075	75RB#0	75RB#0	28.19	29.18	PASS
CA_38C	QPSK	75RB+75RB	38025+38175	75RB#0	75RB#0	28.19	29.20	PASS
CA_38C	16QAM	75RB+75RB	38025+38175	75RB#0	75RB#0	28.21	29.20	PASS
CA_38C	64QAM	75RB+75RB	38025+38175	75RB#0	75RB#0	28.18	29.21	PASS
CA_38C	QPSK	100RB+100RB	37850+38048	100RB#0	100RB#0	28.16	29.15	PASS
CA_38C	16QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	28.21	29.20	PASS
CA_38C	64QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	28.19	29.18	PASS
CA_38C	QPSK	100RB+100RB	37901+38099	100RB#0	100RB#0	28.18	29.17	PASS
CA_38C	16QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	37.41	38.87	PASS
CA_38C	64QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	37.43	38.87	PASS
CA_38C	QPSK	100RB+100RB	37952+38150	100RB#0	100RB#0	37.43	38.91	PASS
CA_38C	16QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	37.37	38.89	PASS
CA_38C	64QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	37.41	38.87	PASS

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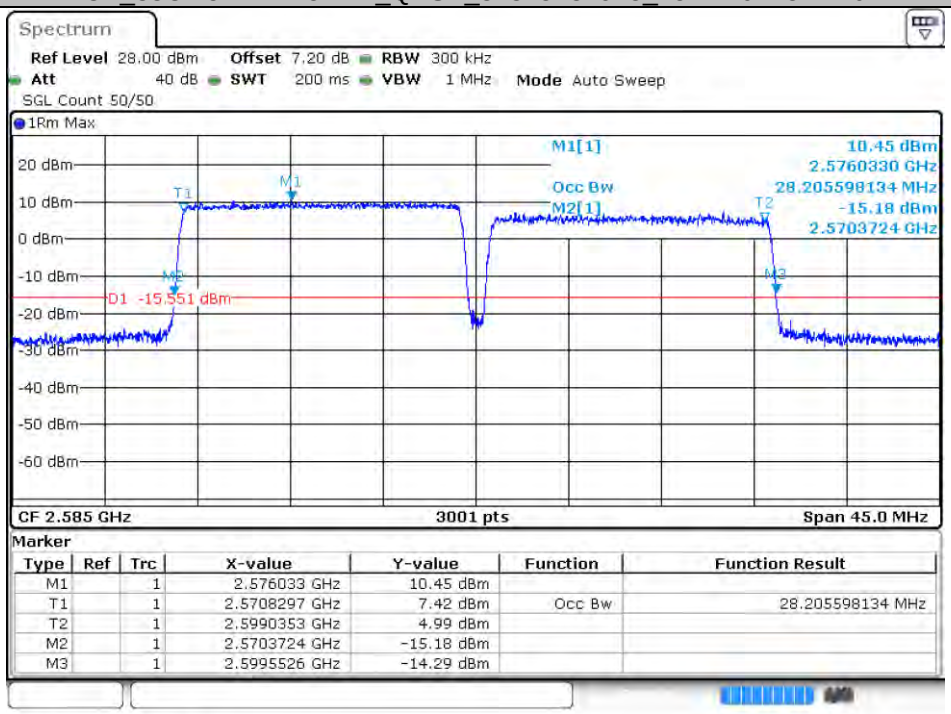
4.1 For LTE

4.1.1 Test Band = LTE Band CA_38C

CA_38C 15MHz+15MHz_QPSK_37825+37975_75RB#0+75RB#0



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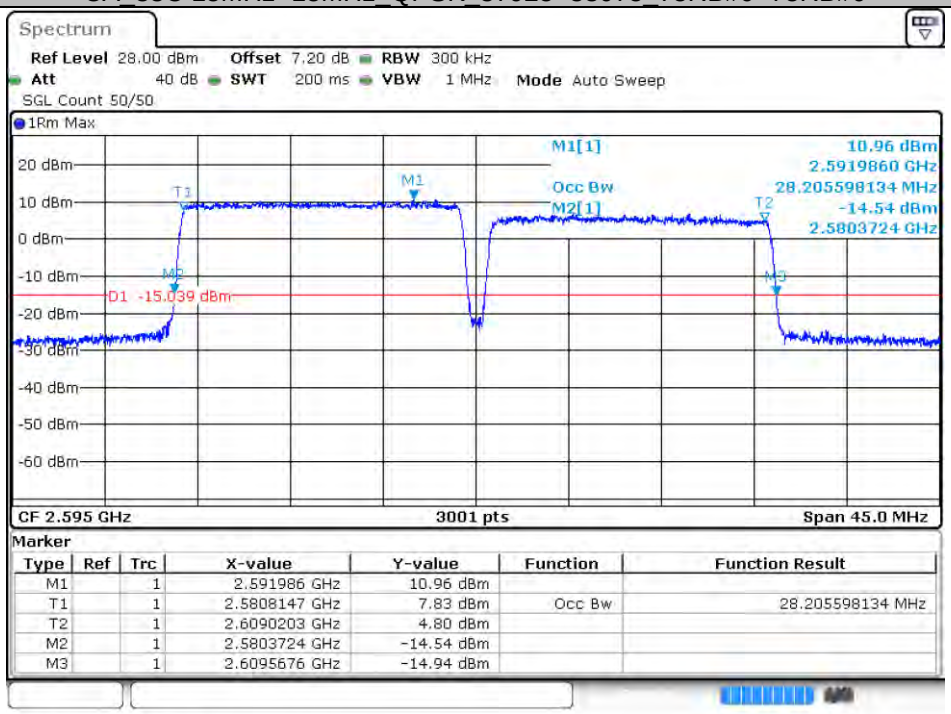

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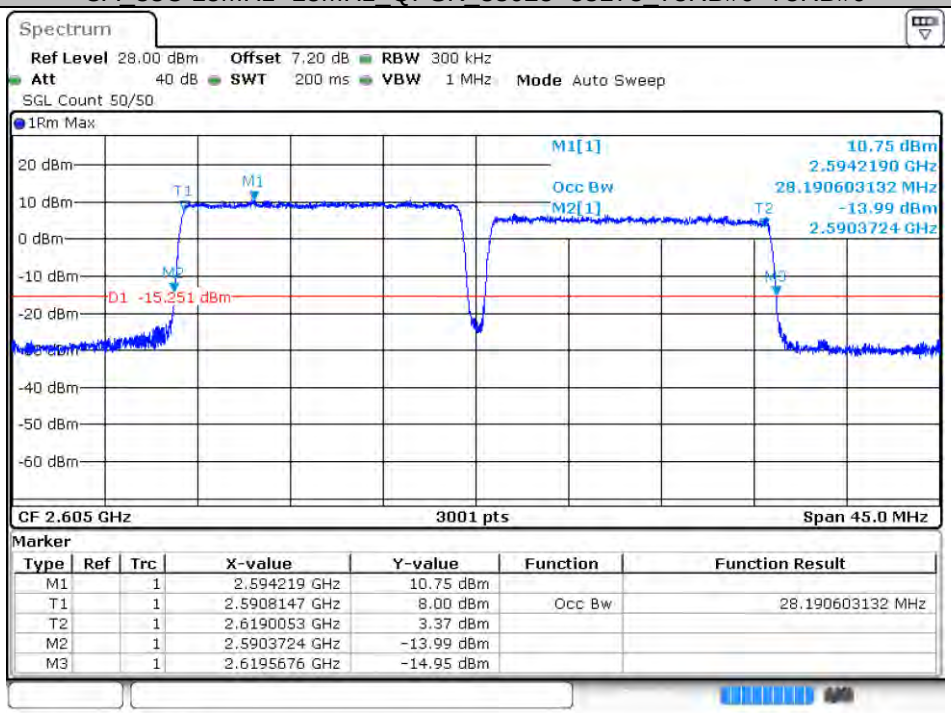

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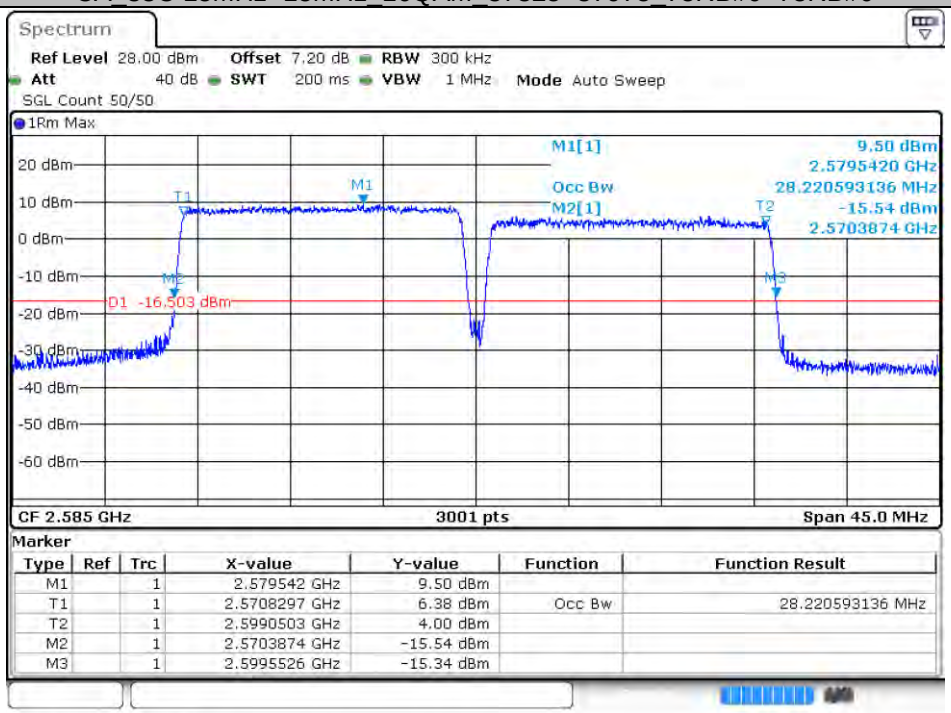
CA_38C 15MHz+15MHz_16QAM_37825+37975_75RB#0+75RB#0



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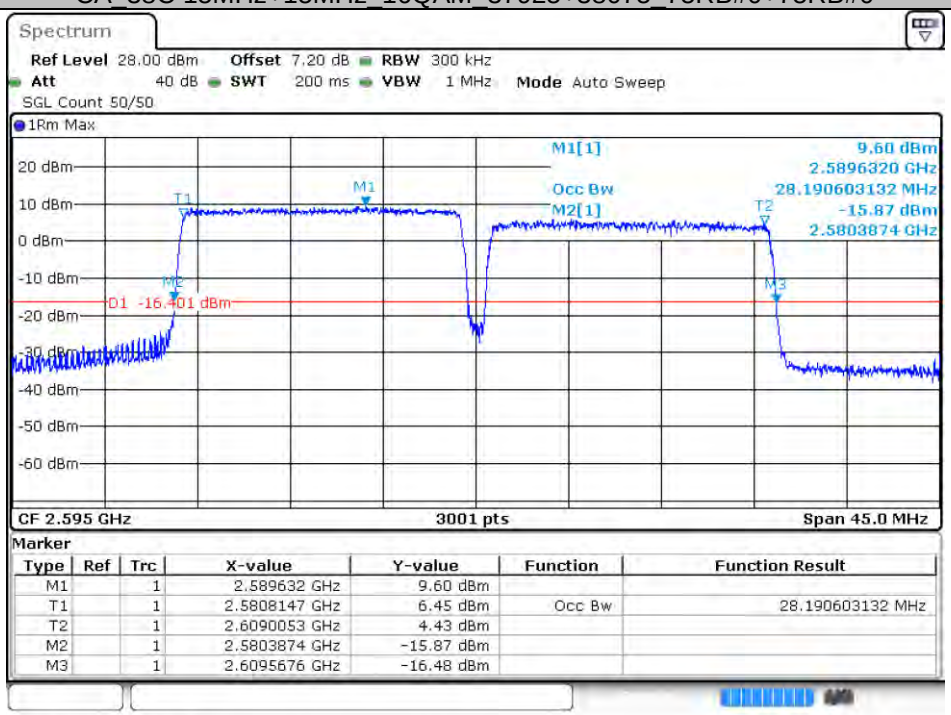

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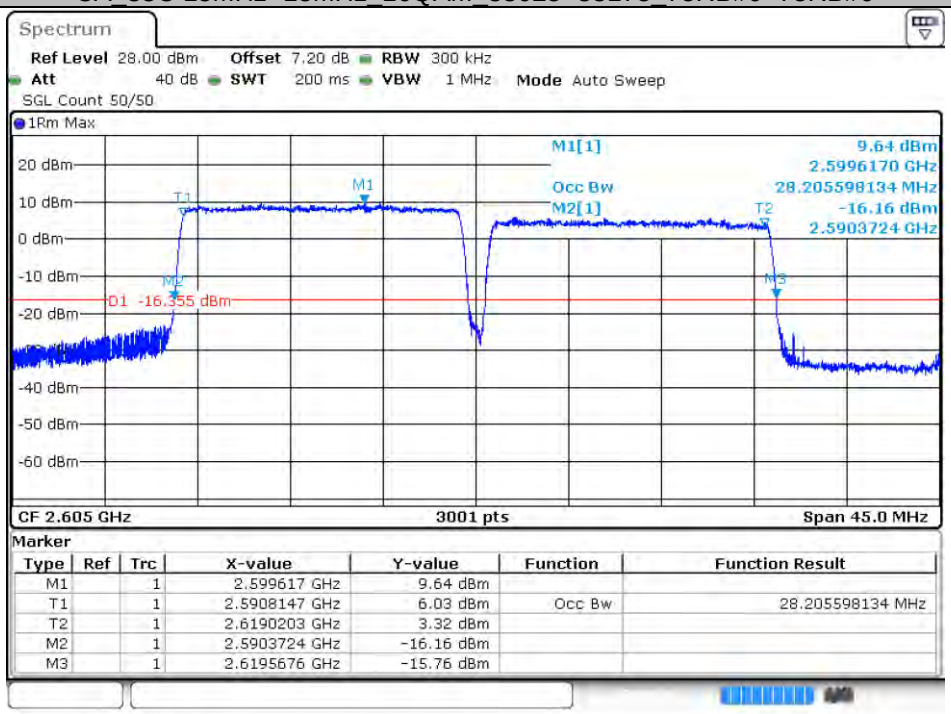
CA_38C 15MHz+15MHz_16QAM_38025+38175_75RB#0+75RB#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
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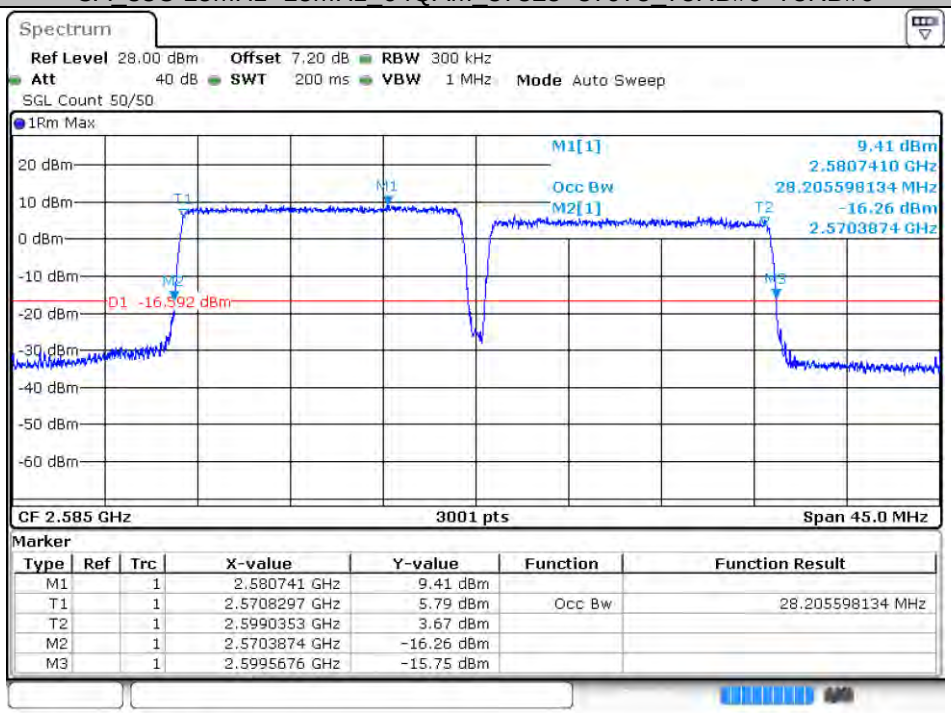
T1		1	2.5908147 GHz	6.03 dBm	Occ Bw	28.205598134 MHz
T2		1	2.6190203 GHz	3.32 dBm		
M2		1	2.5903724 GHz	-16.16 dBm		
M3		1	2.6195676 GHz	-15.76 dBm		

Date: 7.MAY.2021 22:38:34

CA_38C 15MHz+15MHz_64QAM_37825+37975_75RB#0+75RB#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.580741 GHz	9.41 dBm		
T1		1	2.5708297 GHz	5.79 dBm	Occ Bw	28.205598134 MHz
T2		1	2.5990353 GHz	3.67 dBm		
M2		1	2.5703874 GHz	-16.26 dBm		
M3		1	2.5995676 GHz	-15.75 dBm		

Date: 7.MAY.2021 22:36:58

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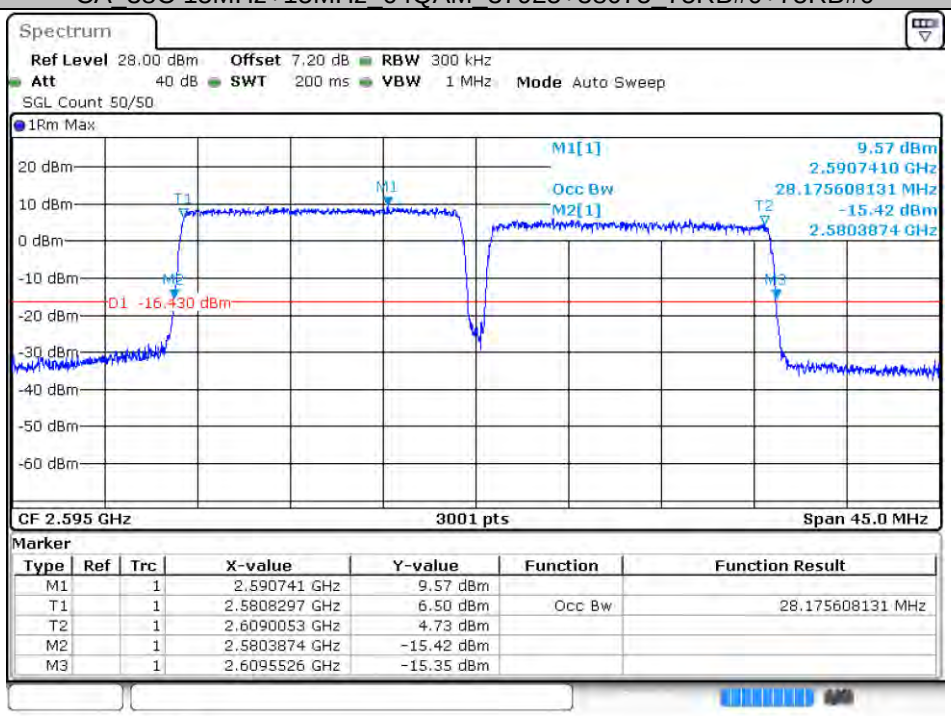
CA_38C 15MHz+15MHz_64QAM_37925+38075_75RB#0+75RB#0



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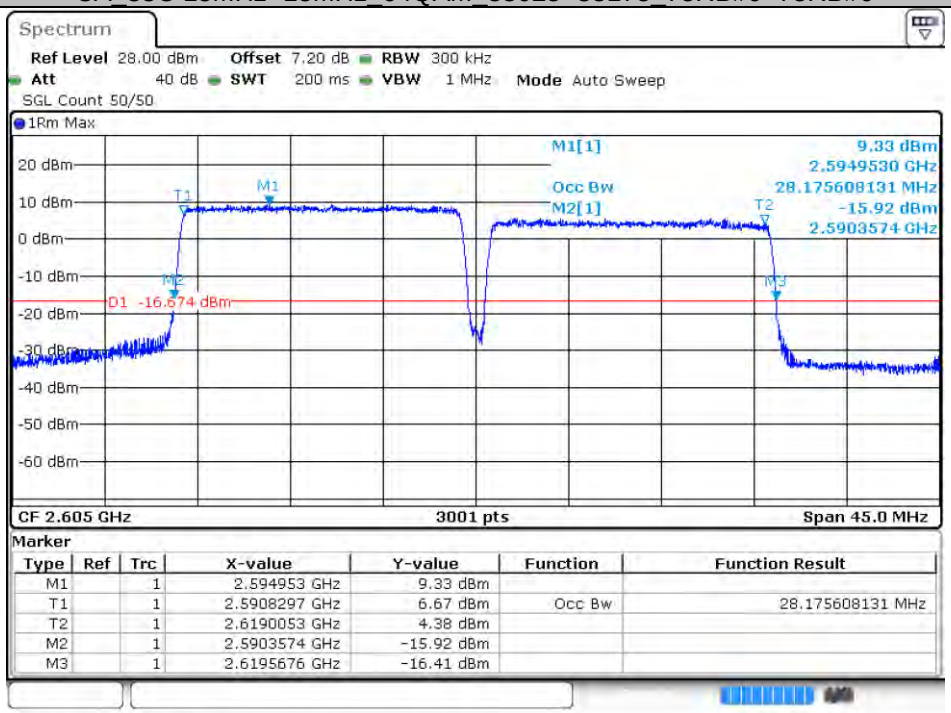

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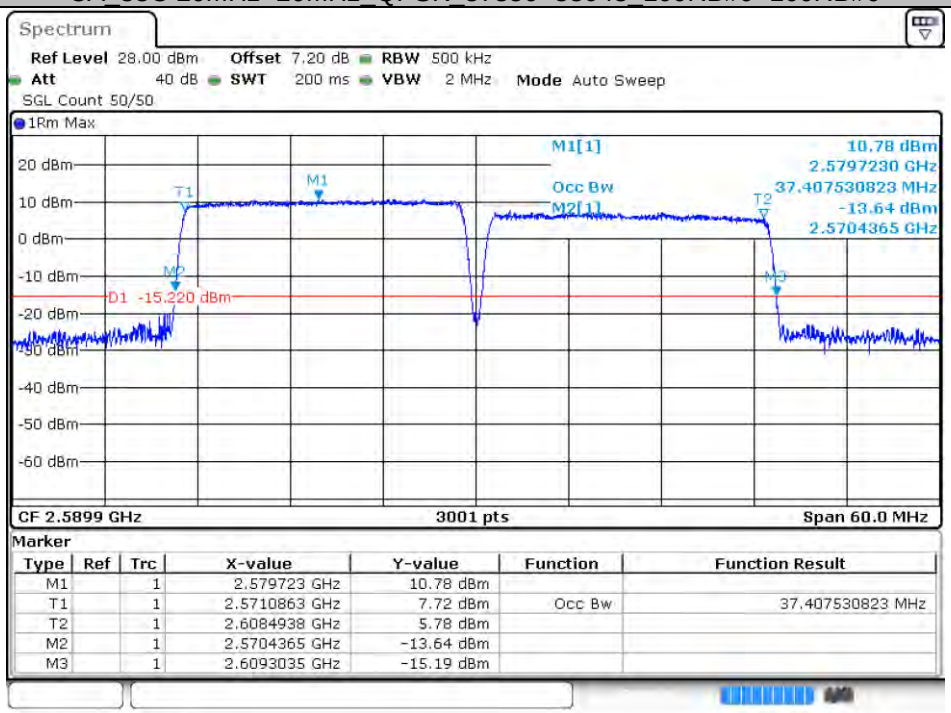

Date: 7.MAY.2021 22:43:15

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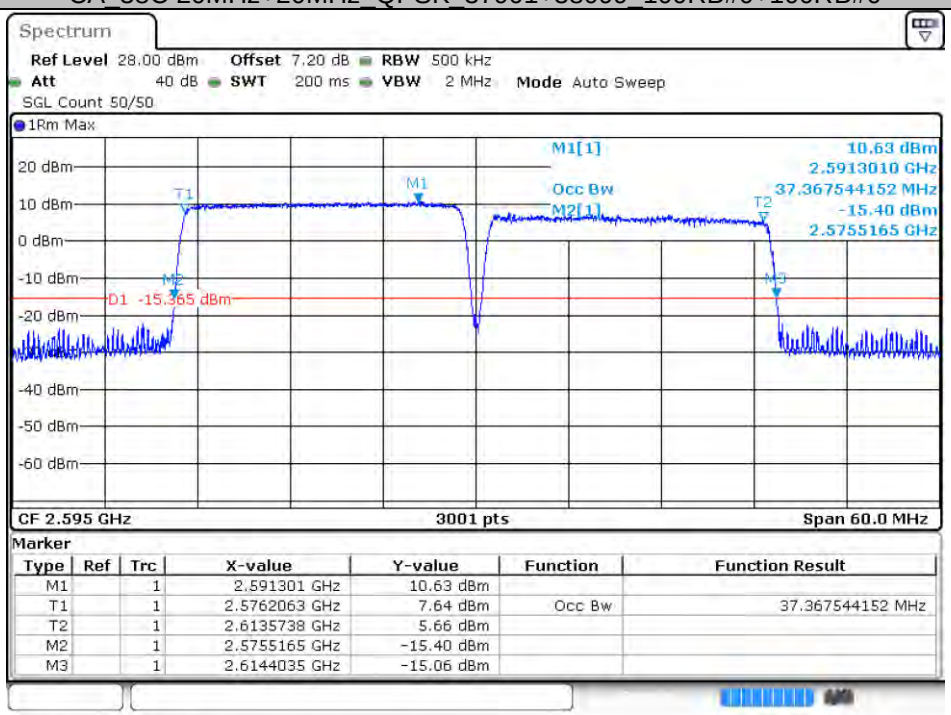

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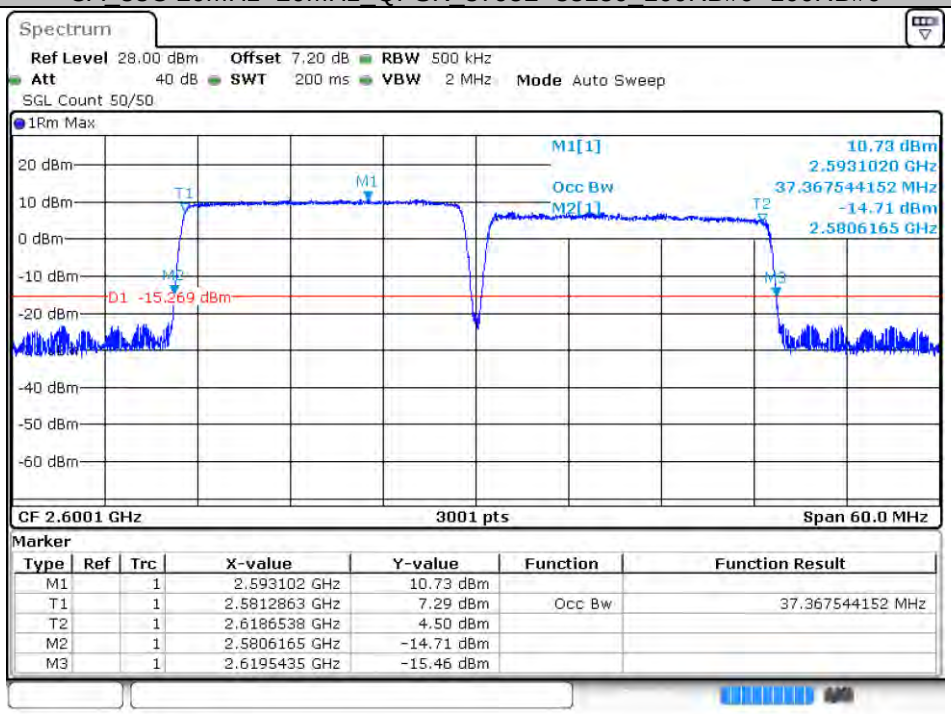
CA_38C 20MHz+20MHz_QPSK_37952+38150_100RB#0+100RB#0



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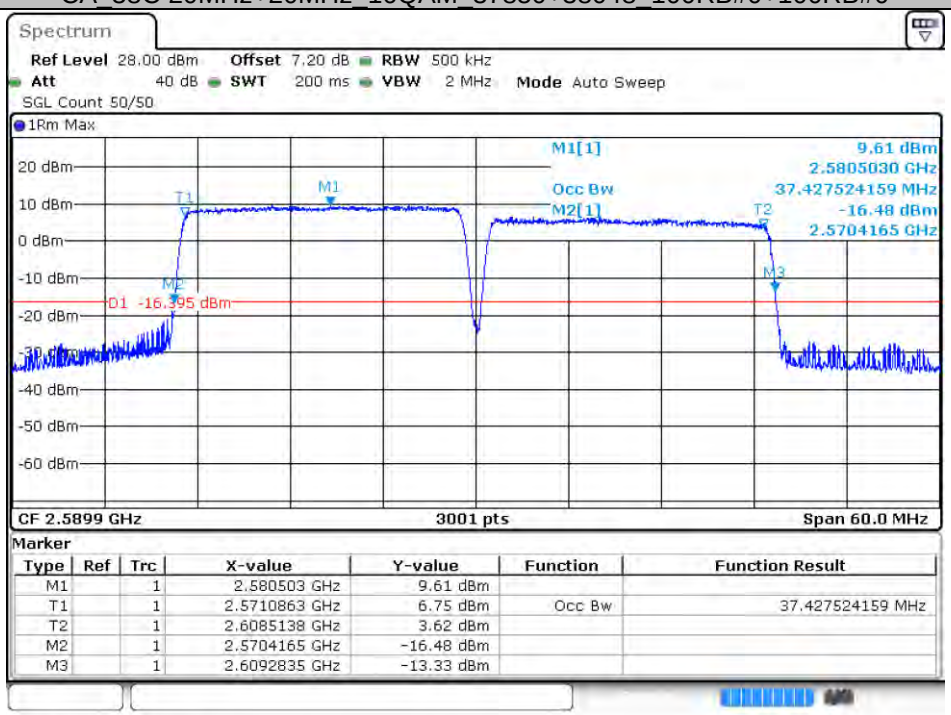

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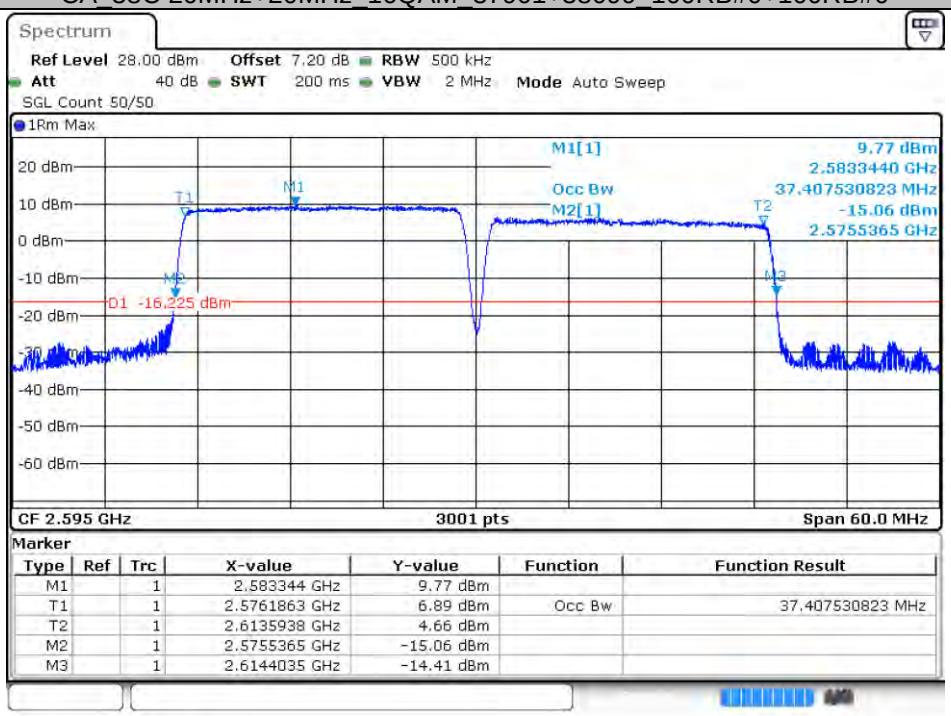
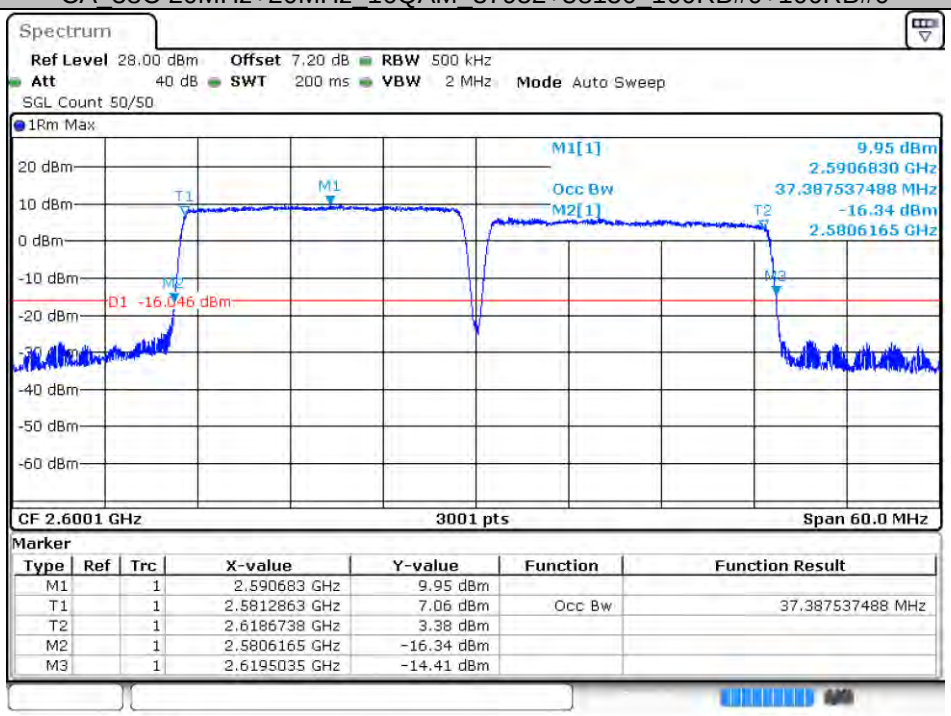


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.583344 GHz	9.77 dBm		
T1		1	2.5761863 GHz	6.89 dBm	Occ Bw	37.407530823 MHz
T2		1	2.6135938 GHz	4.66 dBm		
M2		1	2.5755365 GHz	-15.06 dBm		
M3		1	2.6144035 GHz	-14.41 dBm		

Date: 7.MAY.2021 22:44:25

CA_38C 20MHz+20MHz_16QAM_37952+38150_100RB#0+100RB#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.590683 GHz	9.95 dBm		
T1		1	2.5812863 GHz	7.06 dBm	Occ Bw	37.387537488 MHz
T2		1	2.6186738 GHz	3.38 dBm		
M2		1	2.5806165 GHz	-16.34 dBm		
M3		1	2.6195035 GHz	-14.41 dBm		

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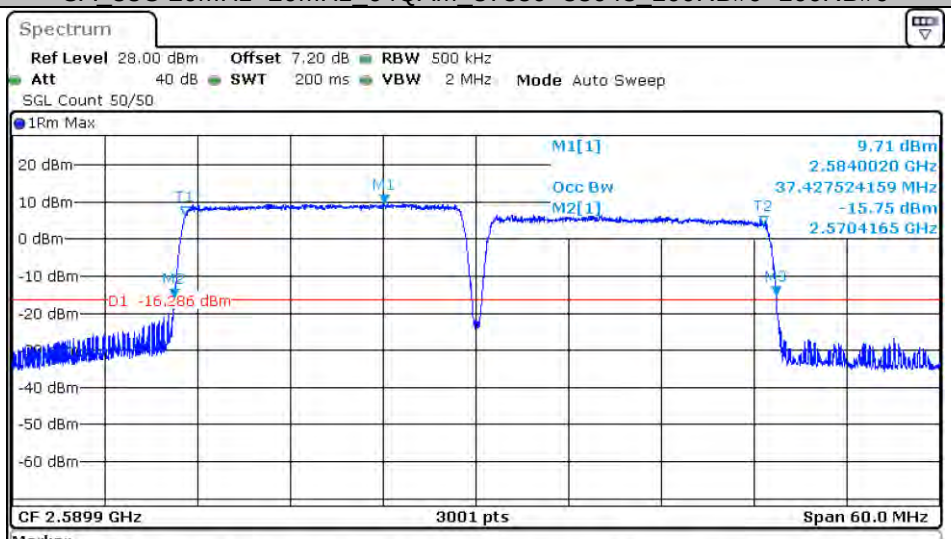
CA_38C 20MHz+20MHz_64QAM_37850+38048_100RB#0+100RB#0



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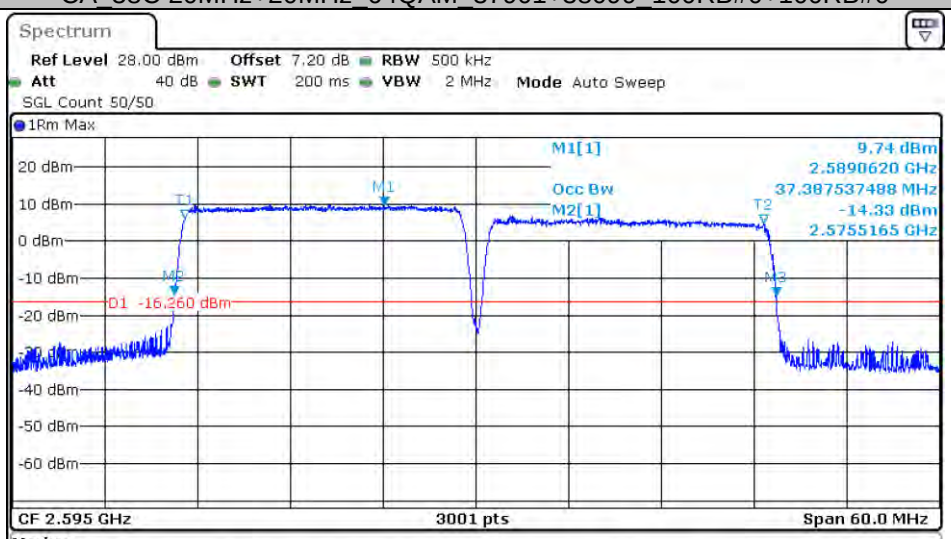
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.584002 GHz	9.71 dBm		
T1		1	2.5710863 GHz	6.51 dBm	Occ Bw	37.427524159 MHz
T2		1	2.6085138 GHz	4.05 dBm		
M2		1	2.5704165 GHz	-15.75 dBm		
M3		1	2.6093235 GHz	-15.15 dBm		

Date: 7.MAY.2021 22:43:51

CA_38C 20MHz+20MHz_64QAM_37901+38099_100RB#0+100RB#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.589062 GHz	9.74 dBm		
T1		1	2.5761863 GHz	6.05 dBm	Occ Bw	37.387537488 MHz
T2		1	2.6135738 GHz	5.02 dBm		
M2		1	2.5755165 GHz	-14.33 dBm		
M3		1	2.6144035 GHz	-14.58 dBm		

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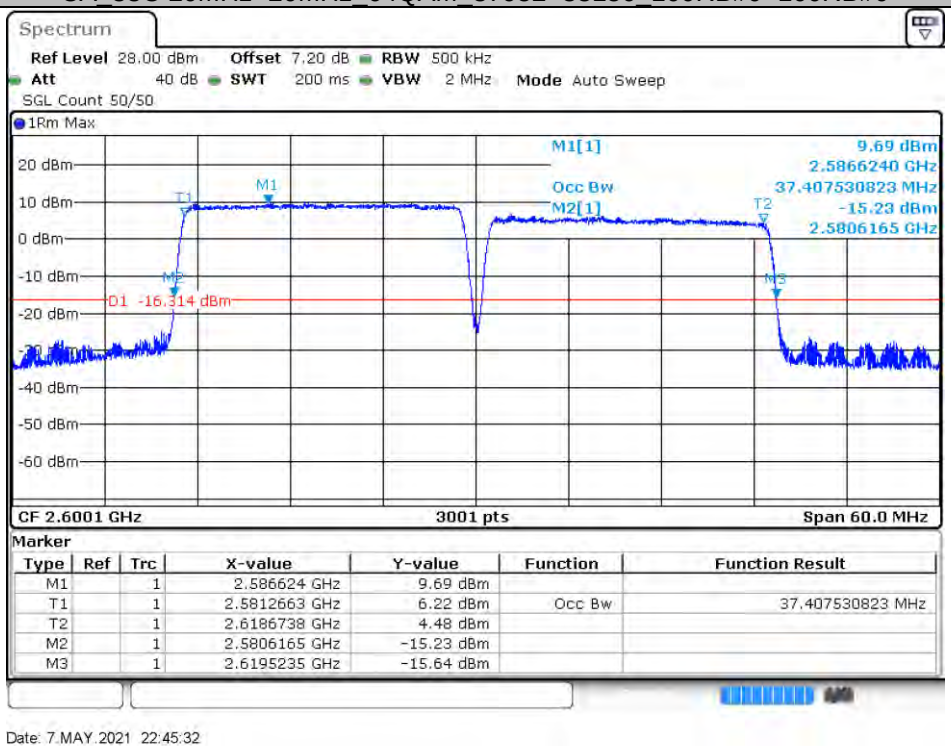

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.586624 GHz	9.69 dBm		
T1		1	2.5812663 GHz	6.22 dBm	Occ Bw	37.407530823 MHz
T2		1	2.6186738 GHz	4.48 dBm		
M2		1	2.5806165 GHz	-15.23 dBm		
M3		1	2.6195235 GHz	-15.64 dBm		

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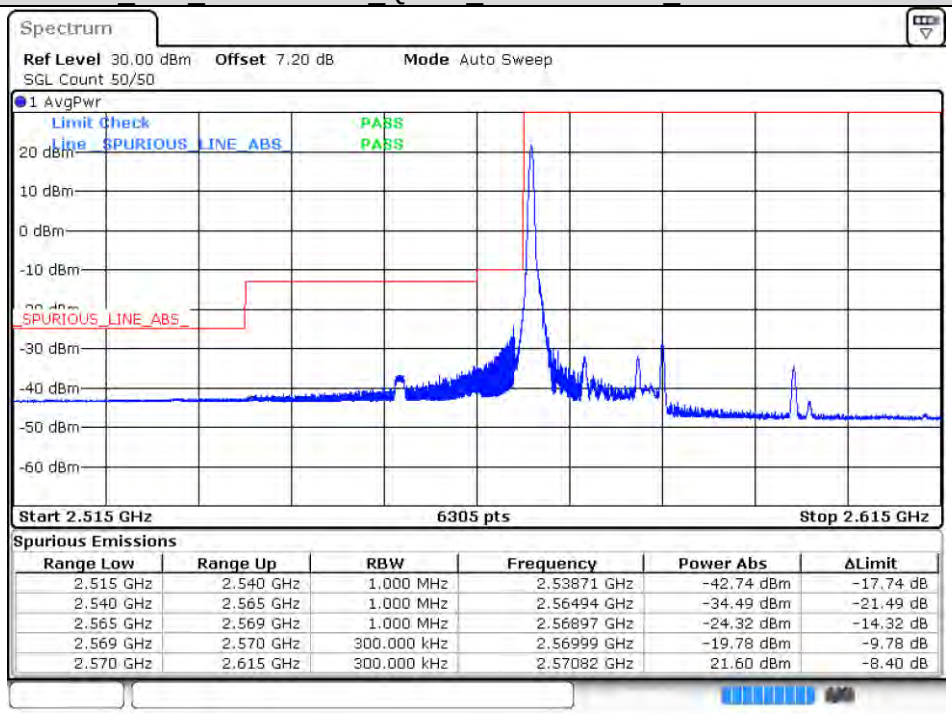
5 Band Edges Compliance

5.1 For LTE

5.1.1 Test Band = LTE Band CA_38C

CA_38C_75RB+75RB_QPSK_37825+37975_1RB#0+0RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53871 GHz	-42.74 dBm	-17.74 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56494 GHz	-34.49 dBm	-21.49 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56897 GHz	-24.32 dBm	-14.32 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56999 GHz	-19.78 dBm	-9.78 dB
2.570 GHz	2.615 GHz	300.000 kHz	2.57082 GHz	21.60 dBm	-8.40 dB

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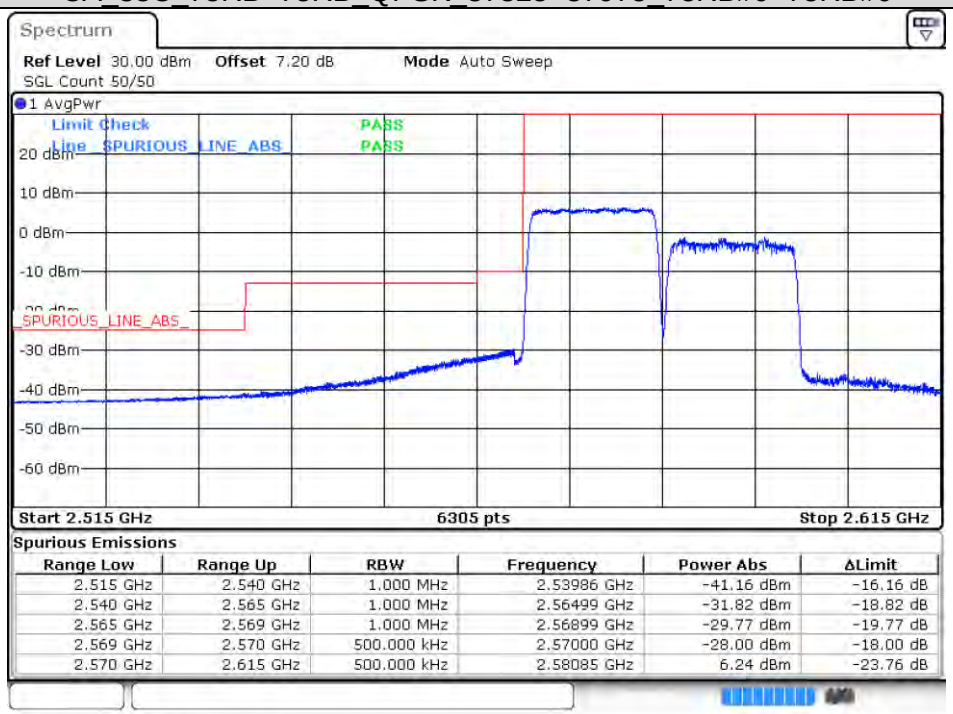
CA_38C_75RB+75RB_QPSK_37825+37975_75RB#0+75RB#0

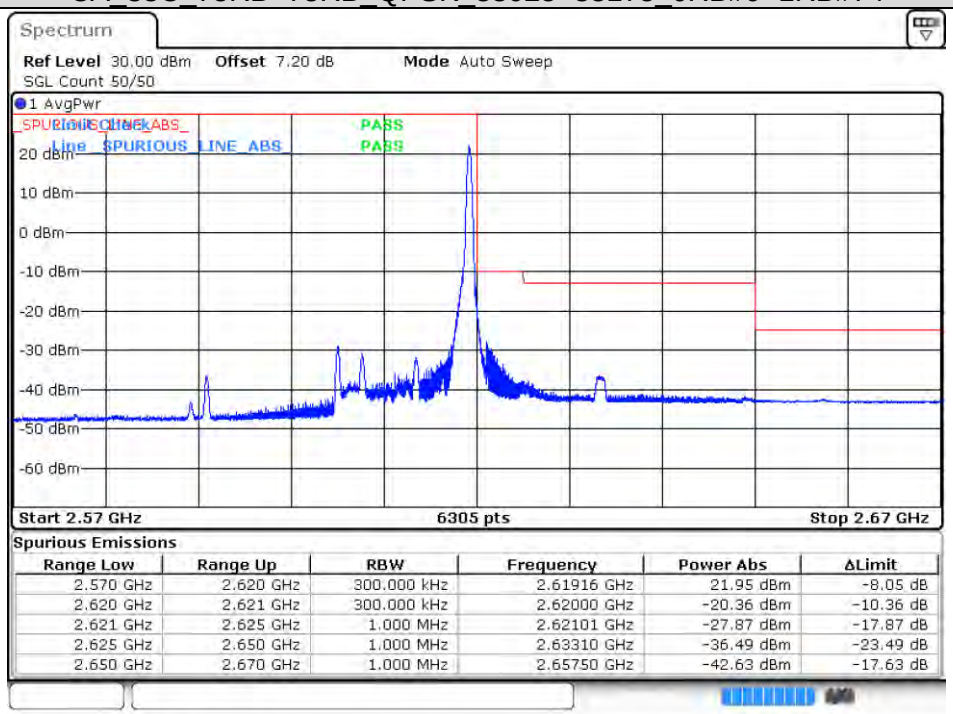


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53986 GHz	-41.16 dBm	-16.16 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56499 GHz	-31.82 dBm	-18.82 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56899 GHz	-29.77 dBm	-19.77 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-28.00 dBm	-18.00 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.58085 GHz	6.24 dBm	-23.76 dB

Date: 8.MAY.2021 03:21:05

CA_38C_75RB+75RB_QPSK_38025+38175_0RB#0+1RB#74



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	300.000 kHz	2.61916 GHz	21.95 dBm	-8.05 dB
2.620 GHz	2.621 GHz	300.000 kHz	2.62000 GHz	-20.36 dBm	-10.36 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62101 GHz	-27.87 dBm	-17.87 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.63310 GHz	-36.49 dBm	-23.49 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65750 GHz	-42.63 dBm	-17.63 dB

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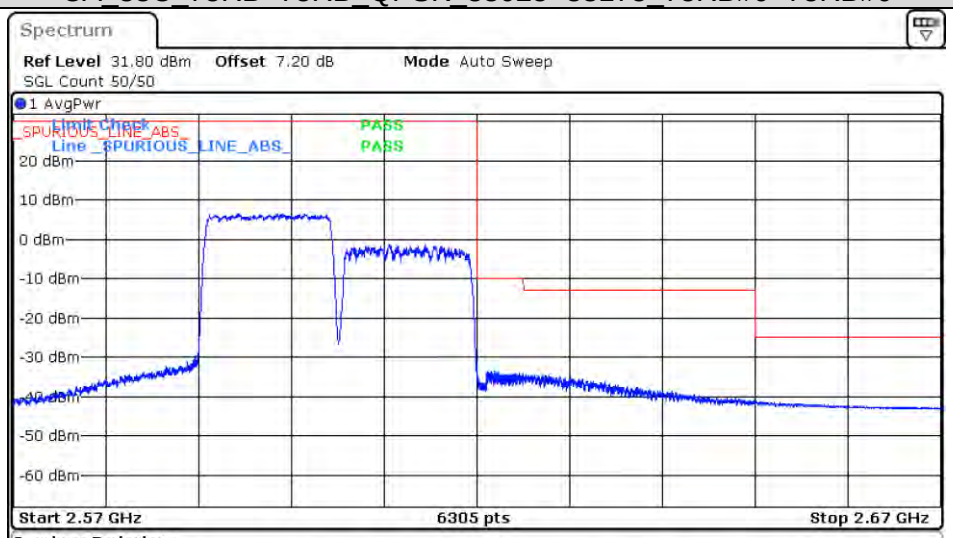
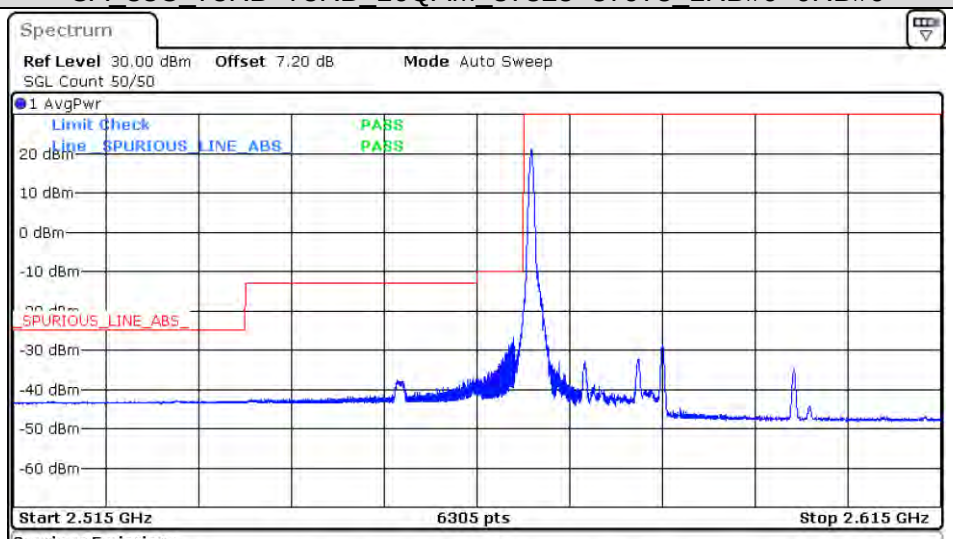


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.59420 GHz	6.52 dBm	-23.48 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-34.64 dBm	-24.64 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62185 GHz	-33.55 dBm	-23.55 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62534 GHz	-34.40 dBm	-21.40 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65009 GHz	-41.29 dBm	-16.29 dB

Date: 8.MAY.2021 03:26:24

CA_38C_75RB+75RB_16QAM_37825+37975_1RB#0+0RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53257 GHz	-42.98 dBm	-17.98 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56457 GHz	-37.17 dBm	-24.17 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56886 GHz	-26.73 dBm	-16.73 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.57000 GHz	-20.09 dBm	-10.09 dB
2.570 GHz	2.615 GHz	300.000 kHz	2.57084 GHz	20.94 dBm	-9.06 dB

Date: 8.MAY.2021 03:20:00

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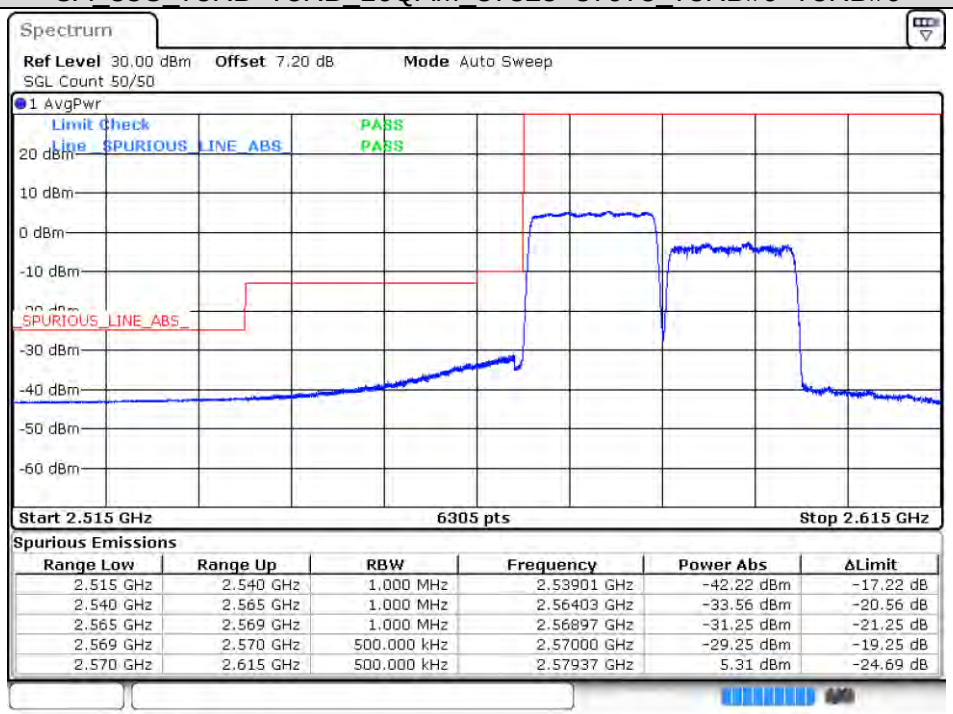

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53901 GHz	-42.22 dBm	-17.22 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56403 GHz	-33.56 dBm	-20.56 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56897 GHz	-31.25 dBm	-21.25 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-29.25 dBm	-19.25 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57937 GHz	5.31 dBm	-24.69 dB

Date: 8.MAY.2021 03:21:33

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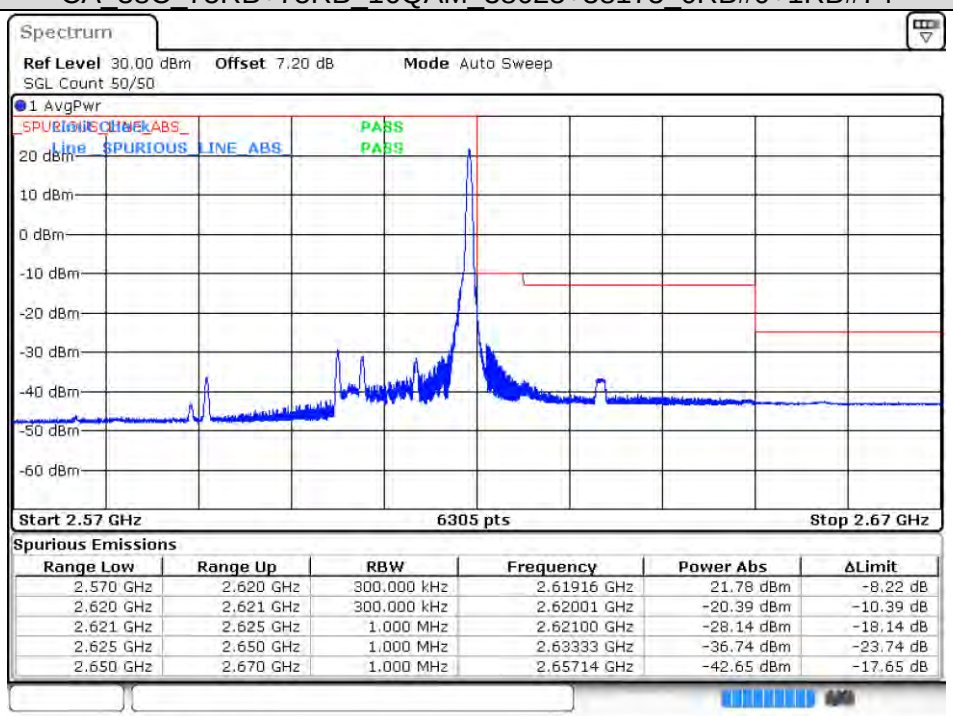

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	300.000 kHz	2.61916 GHz	21.78 dBm	-8.22 dB
2.620 GHz	2.621 GHz	300.000 kHz	2.62001 GHz	-20.39 dBm	-10.39 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62100 GHz	-28.14 dBm	-18.14 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.63333 GHz	-36.74 dBm	-23.74 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65714 GHz	-42.65 dBm	-17.65 dB

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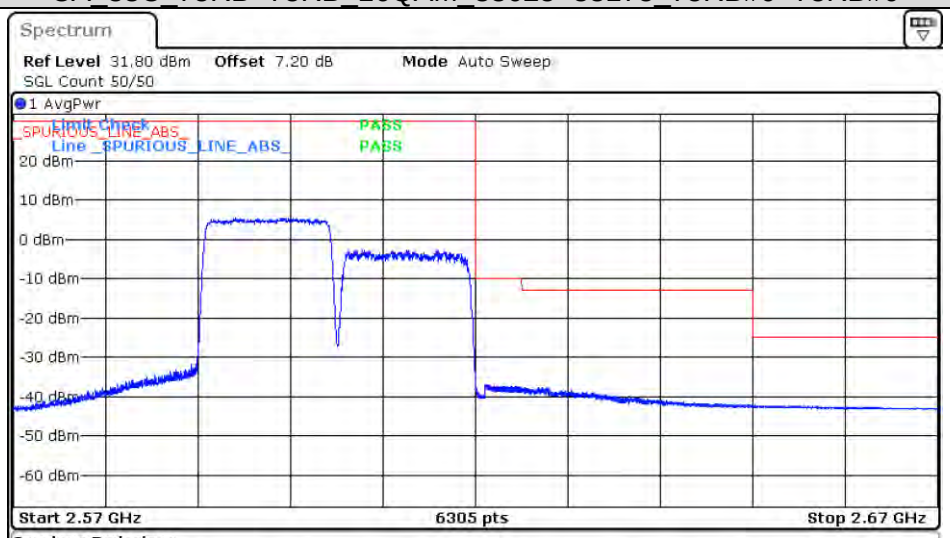

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.59405 GHz	5.39 dBm	-24.61 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-36.11 dBm	-26.11 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62131 GHz	-37.06 dBm	-27.06 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62727 GHz	-37.75 dBm	-24.75 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65031 GHz	-42.37 dBm	-17.37 dB

Date: 8.MAY.2021 03:26:53

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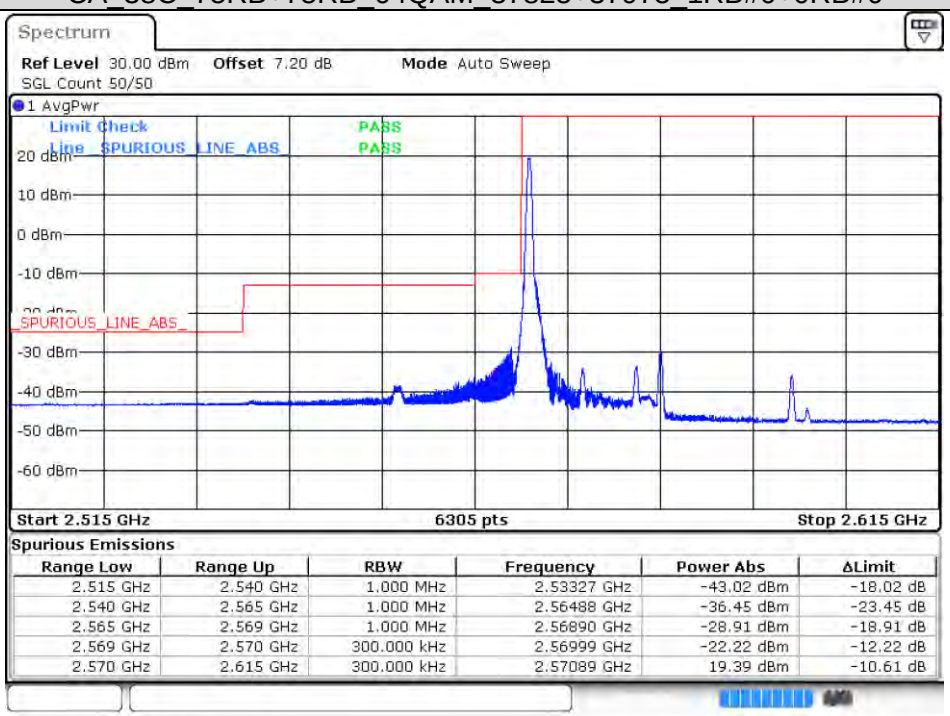

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53327 GHz	-43.02 dBm	-18.02 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56488 GHz	-36.45 dBm	-23.45 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56890 GHz	-28.91 dBm	-18.91 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56999 GHz	-22.22 dBm	-12.22 dB
2.570 GHz	2.615 GHz	300.000 kHz	2.57089 GHz	19.39 dBm	-10.61 dB

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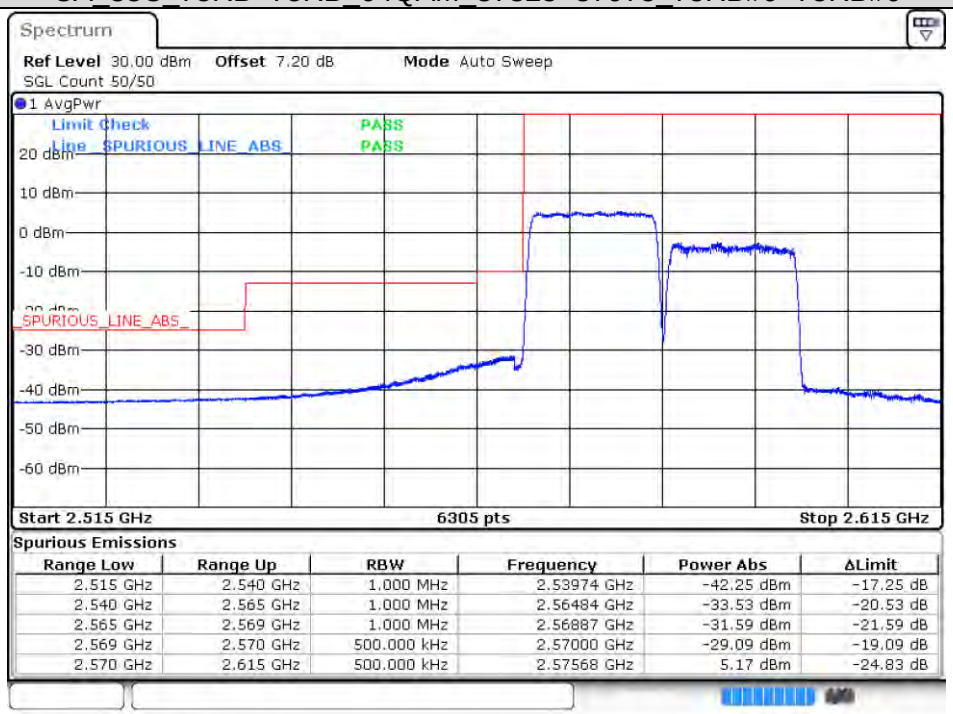

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53974 GHz	-42.25 dBm	-17.25 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56484 GHz	-33.53 dBm	-20.53 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56887 GHz	-31.59 dBm	-21.59 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-29.09 dBm	-19.09 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57568 GHz	5.17 dBm	-24.83 dB

Date: 8.MAY.2021 03:22:02

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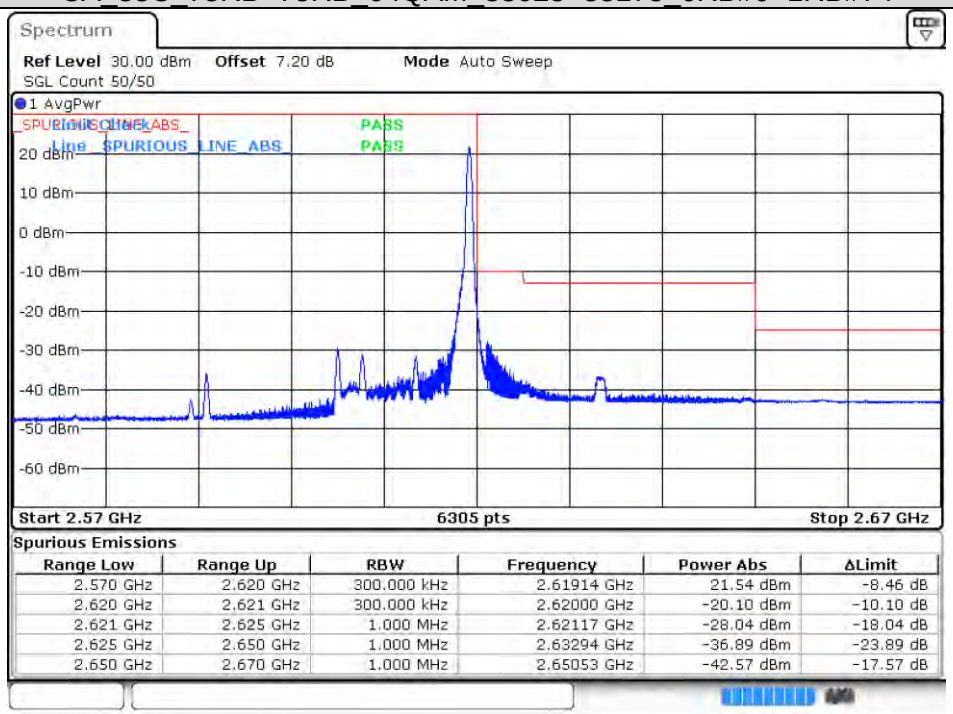

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	300.000 kHz	2.61914 GHz	21.54 dBm	-8.46 dB
2.620 GHz	2.621 GHz	300.000 kHz	2.62000 GHz	-20.10 dBm	-10.10 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62117 GHz	-28.04 dBm	-18.04 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.63294 GHz	-36.89 dBm	-23.89 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65053 GHz	-42.57 dBm	-17.57 dB

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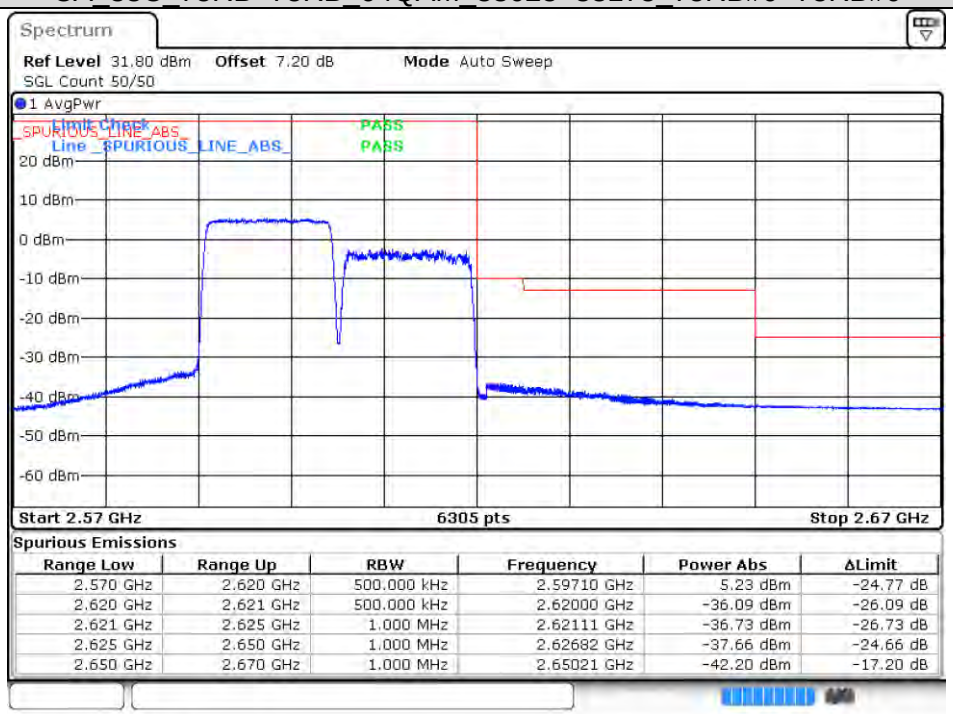

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.59710 GHz	5.23 dBm	-24.77 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-36.09 dBm	-26.09 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62111 GHz	-36.73 dBm	-26.73 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62682 GHz	-37.66 dBm	-24.66 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65021 GHz	-42.20 dBm	-17.20 dB

Date: 8.MAY.2021 03:27:21

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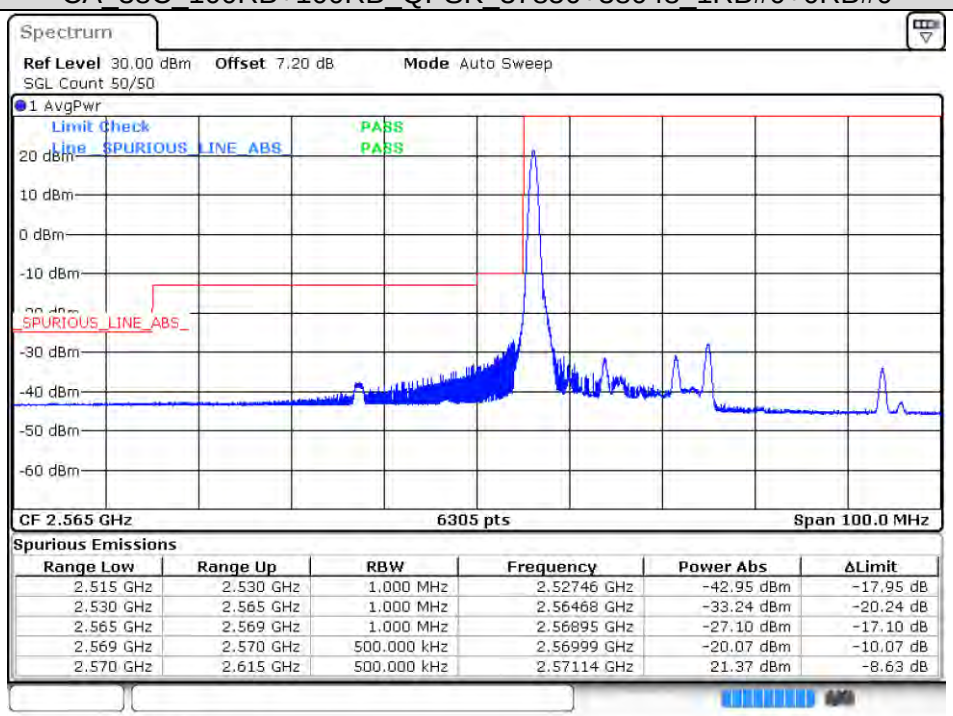

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52746 GHz	-42.95 dBm	-17.95 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56468 GHz	-33.24 dBm	-20.24 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56895 GHz	-27.10 dBm	-17.10 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.56999 GHz	-20.07 dBm	-10.07 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57114 GHz	21.37 dBm	-8.63 dB

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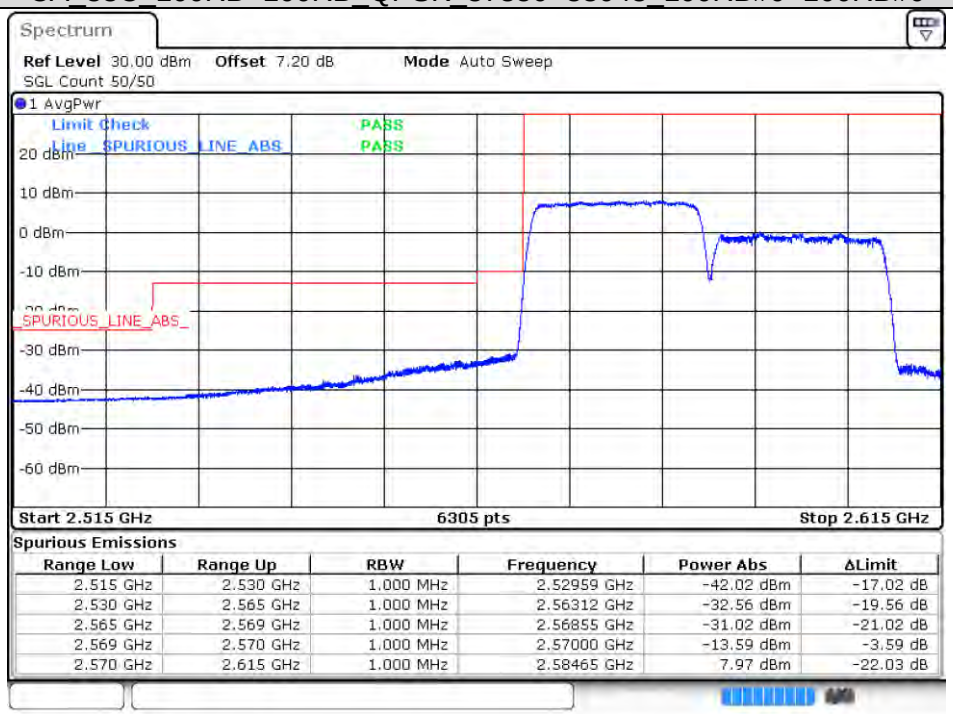

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52959 GHz	-42.02 dBm	-17.02 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56312 GHz	-32.56 dBm	-19.56 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56855 GHz	-31.02 dBm	-21.02 dB
2.569 GHz	2.570 GHz	1.000 MHz	2.57000 GHz	-13.59 dBm	-3.59 dB
2.570 GHz	2.615 GHz	1.000 MHz	2.58465 GHz	7.97 dBm	-22.03 dB

Date: 8.MAY.2021 03:29:51

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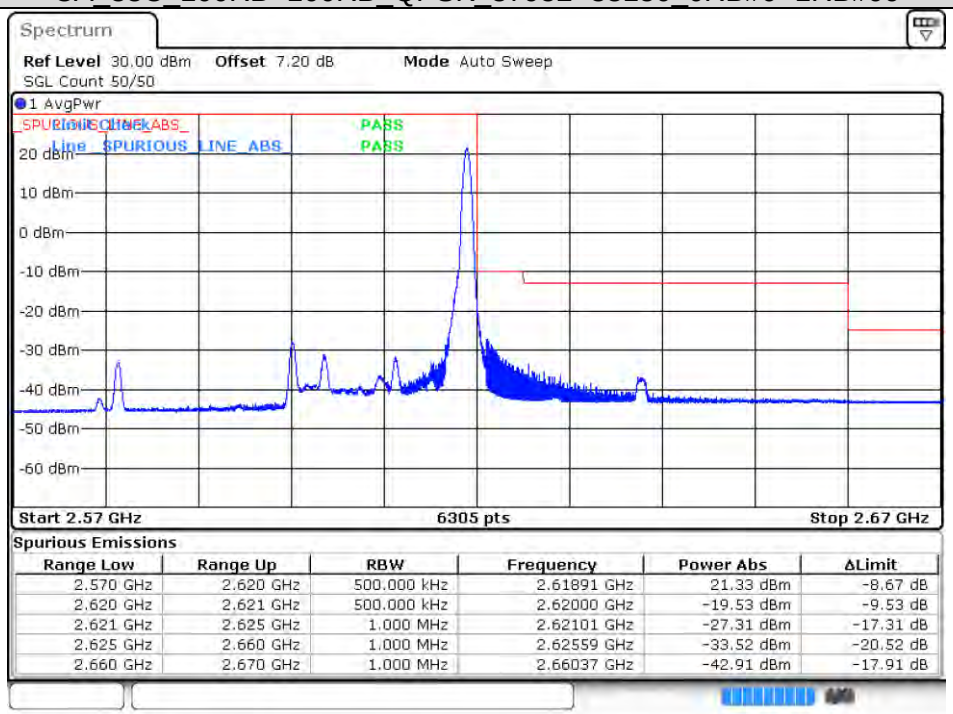

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.61891 GHz	21.33 dBm	-8.67 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-19.53 dBm	-9.53 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62101 GHz	-27.31 dBm	-17.31 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.62559 GHz	-33.52 dBm	-20.52 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66037 GHz	-42.91 dBm	-17.91 dB

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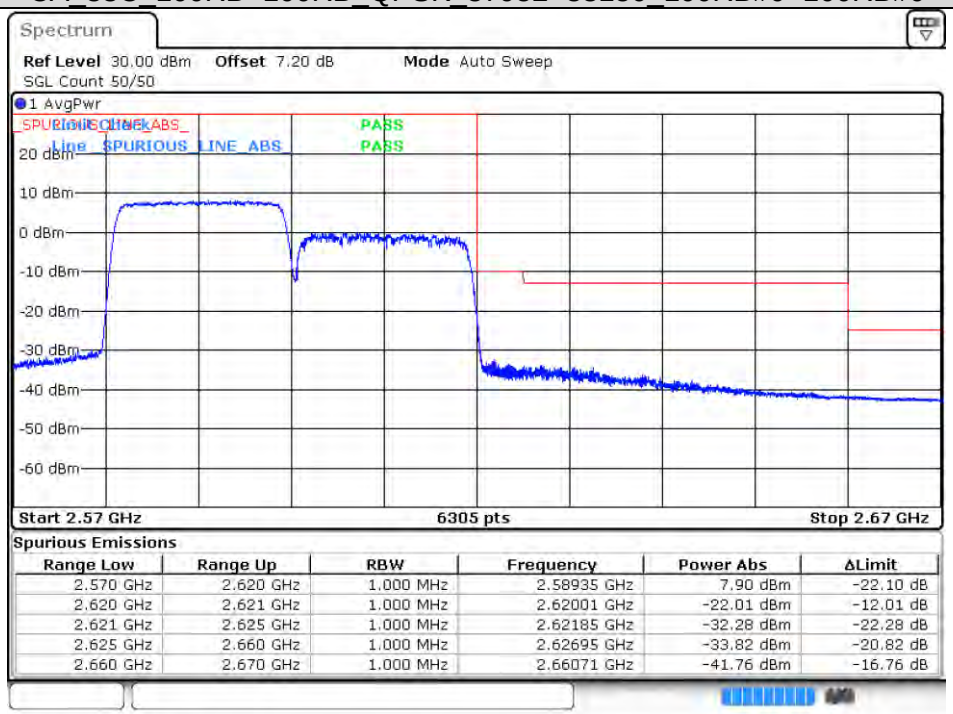

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	1.000 MHz	2.58935 GHz	7.90 dBm	-22.10 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62001 GHz	-22.01 dBm	-12.01 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62185 GHz	-32.28 dBm	-22.28 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.62695 GHz	-33.82 dBm	-20.82 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66071 GHz	-41.76 dBm	-16.76 dB

Date: 8.MAY.2021 03:32:52

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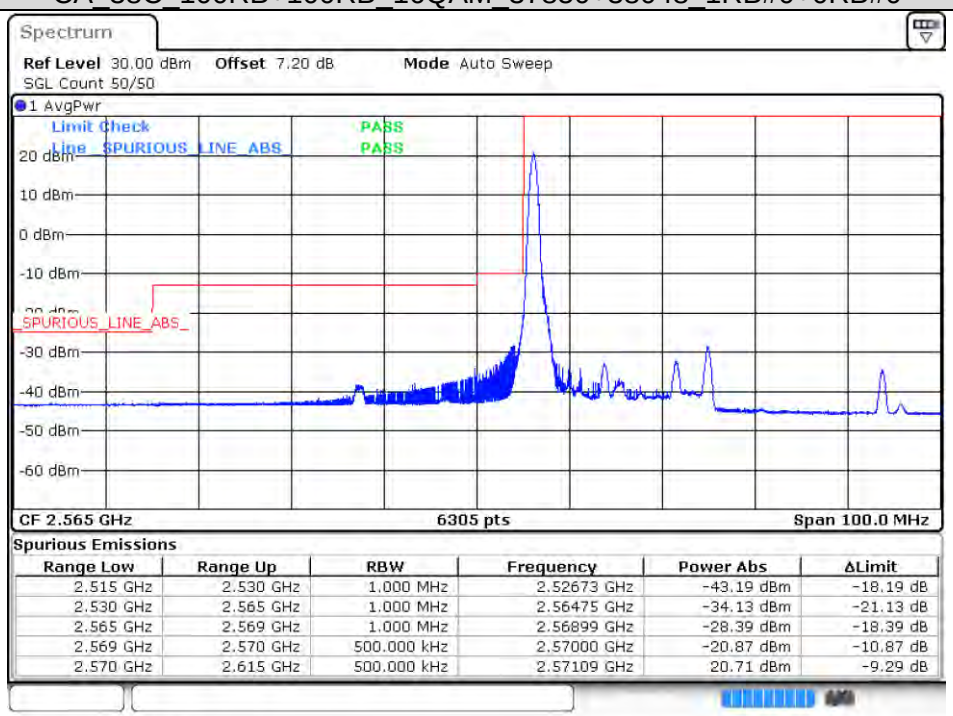

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52673 GHz	-43.19 dBm	-18.19 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56475 GHz	-34.13 dBm	-21.13 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56899 GHz	-28.39 dBm	-18.39 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-20.87 dBm	-10.87 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57109 GHz	20.71 dBm	-9.29 dB

Date: 8.MAY.2021 03:28:47

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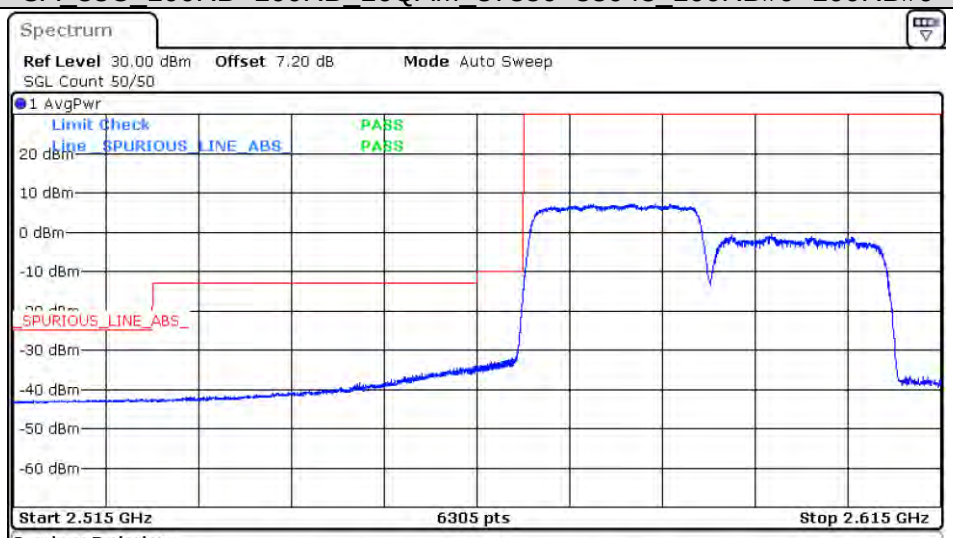

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52864 GHz	-42.59 dBm	-17.59 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56482 GHz	-34.16 dBm	-21.16 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56882 GHz	-32.18 dBm	-22.18 dB
2.569 GHz	2.570 GHz	1.000 MHz	2.57000 GHz	-14.43 dBm	-4.43 dB
2.570 GHz	2.615 GHz	1.000 MHz	2.58593 GHz	7.01 dBm	-22.99 dB

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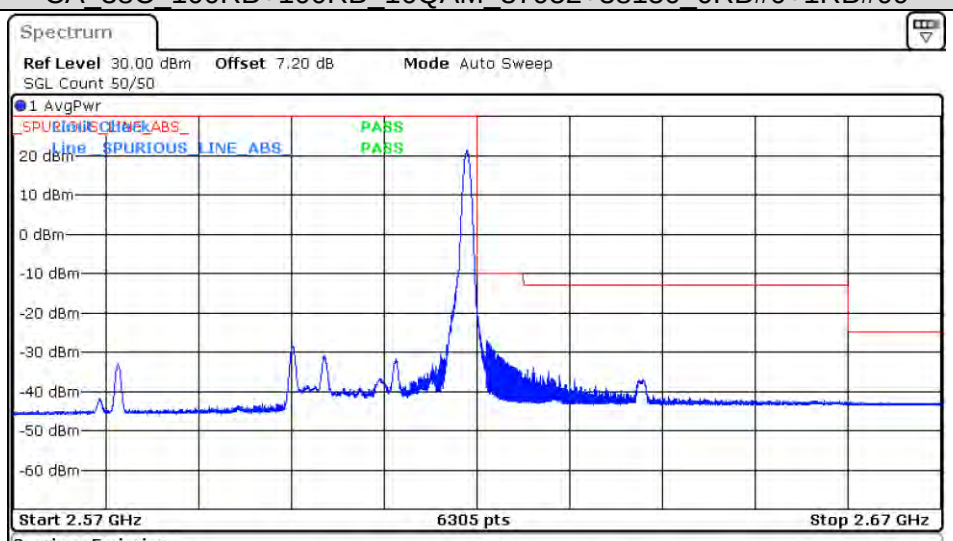

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.61894 GHz	21.23 dBm	-8.77 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-19.29 dBm	-9.29 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62114 GHz	-27.17 dBm	-17.17 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.62608 GHz	-33.89 dBm	-20.89 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66164 GHz	-42.89 dBm	-17.89 dB

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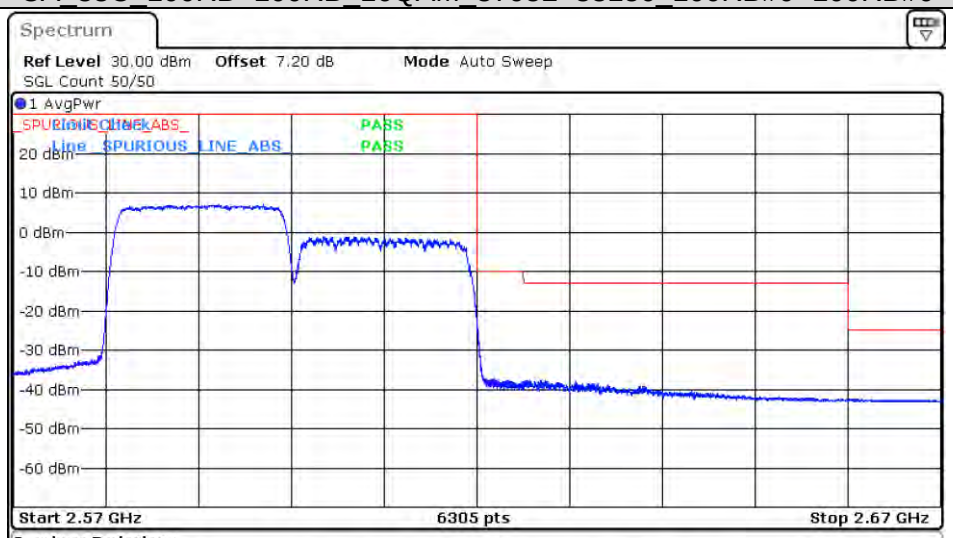

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	1.000 MHz	2.59215 GHz	7.06 dBm	-22.94 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62000 GHz	-22.95 dBm	-12.95 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62188 GHz	-37.12 dBm	-27.12 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.62688 GHz	-37.75 dBm	-24.75 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66092 GHz	-42.59 dBm	-17.59 dB

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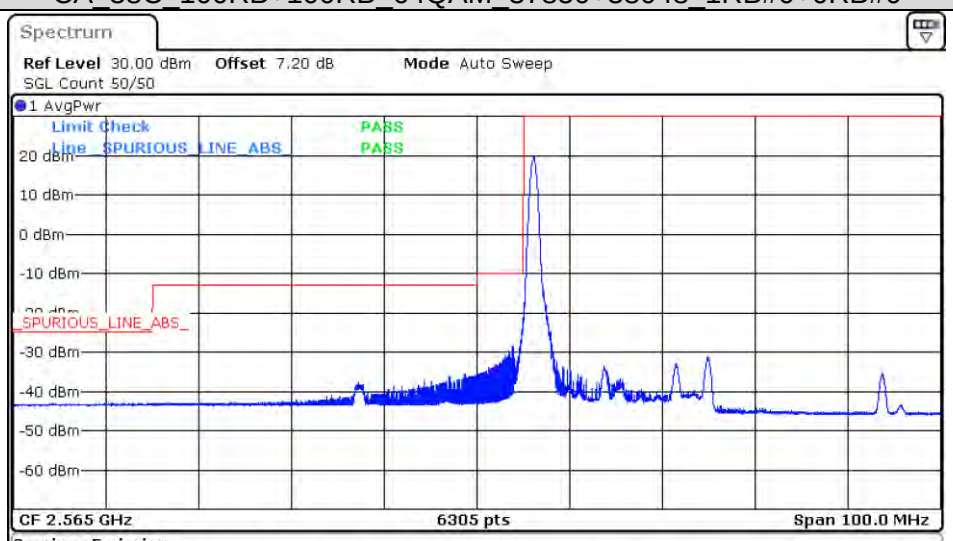

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52574 GHz	-43.09 dBm	-18.09 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56364 GHz	-35.60 dBm	-22.60 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56892 GHz	-28.36 dBm	-18.36 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-21.47 dBm	-11.47 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57107 GHz	19.55 dBm	-10.45 dB

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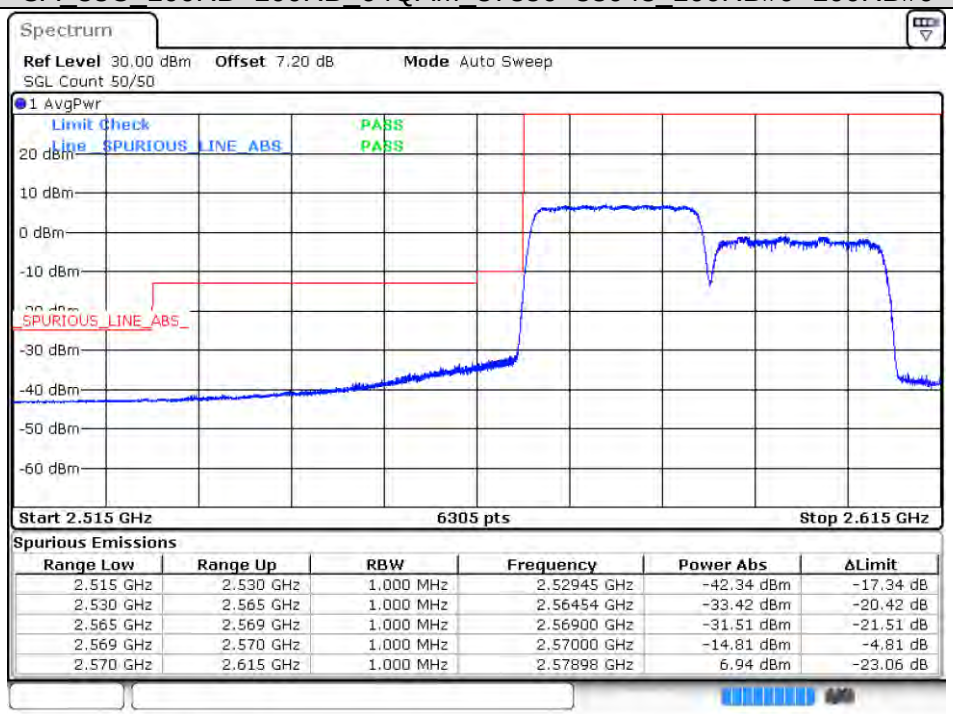

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52945 GHz	-42.34 dBm	-17.34 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56454 GHz	-33.42 dBm	-20.42 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56900 GHz	-31.51 dBm	-21.51 dB
2.569 GHz	2.570 GHz	1.000 MHz	2.57000 GHz	-14.81 dBm	-4.81 dB
2.570 GHz	2.615 GHz	1.000 MHz	2.57898 GHz	6.94 dBm	-23.06 dB

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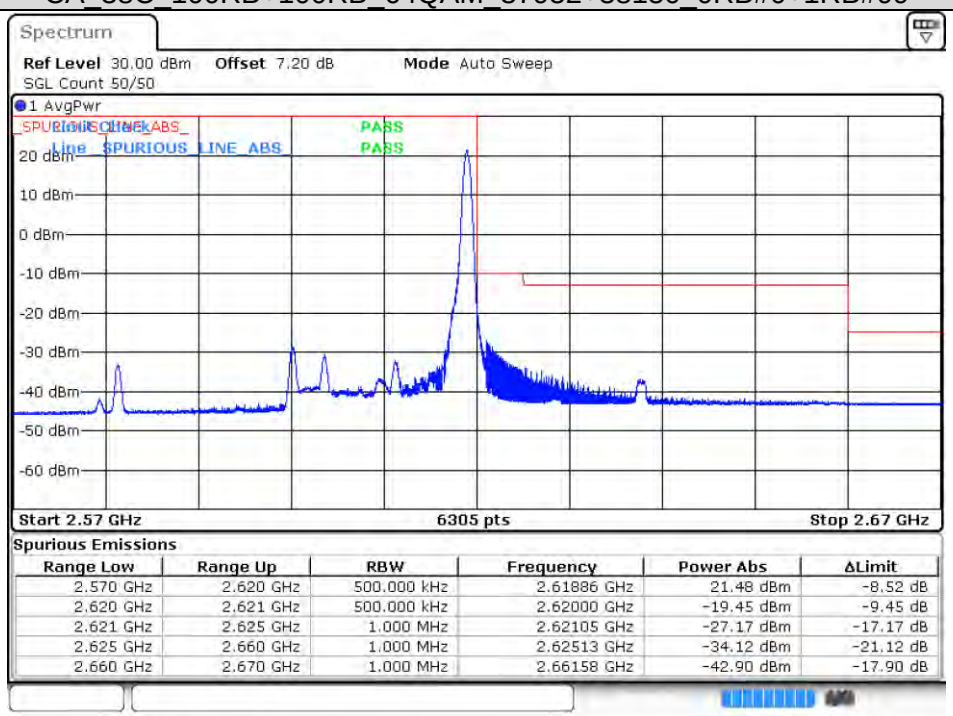

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.61886 GHz	21.48 dBm	-8.52 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-19.45 dBm	-9.45 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62105 GHz	-27.17 dBm	-17.17 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.62513 GHz	-34.12 dBm	-21.12 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66158 GHz	-42.90 dBm	-17.90 dB

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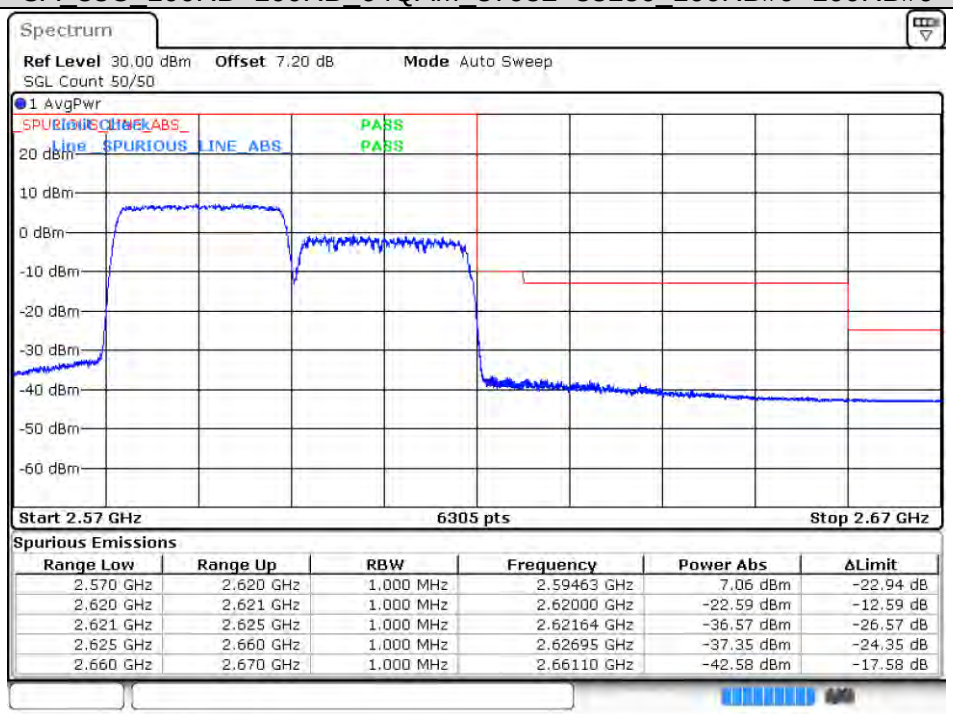

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	1.000 MHz	2.59463 GHz	7.06 dBm	-22.94 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62000 GHz	-22.59 dBm	-12.59 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62164 GHz	-36.57 dBm	-26.57 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.62695 GHz	-37.35 dBm	-24.35 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66110 GHz	-42.58 dBm	-17.58 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_38C

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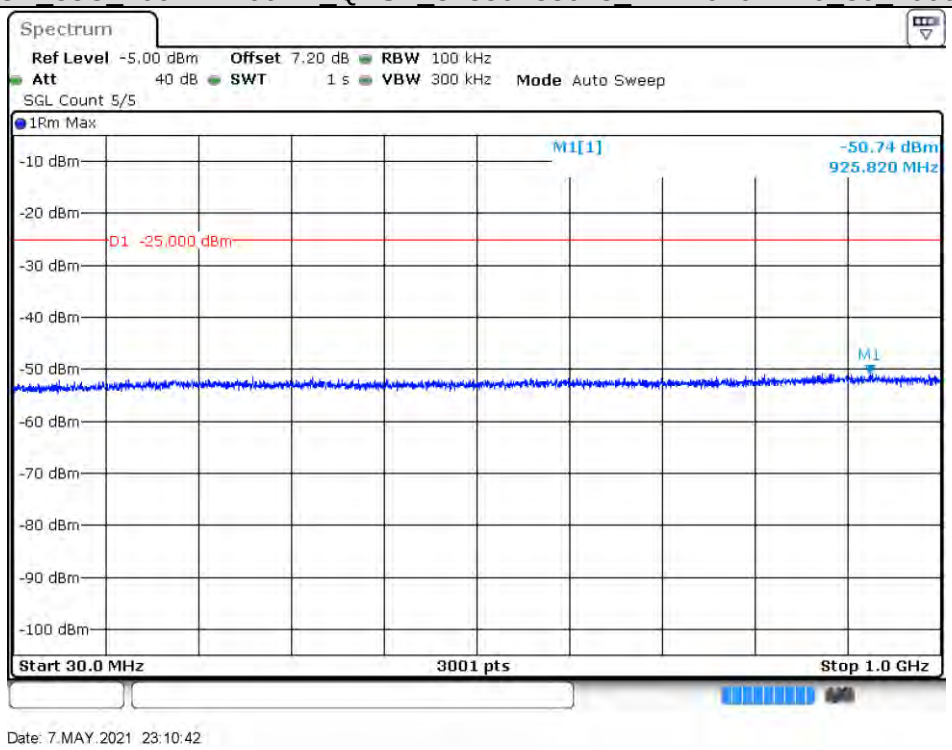

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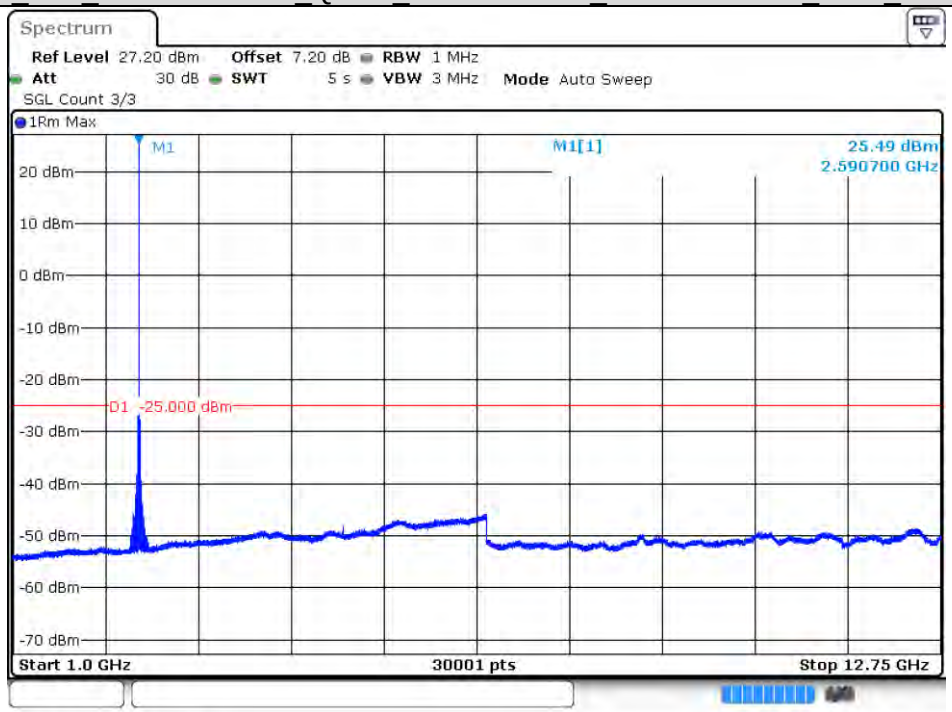

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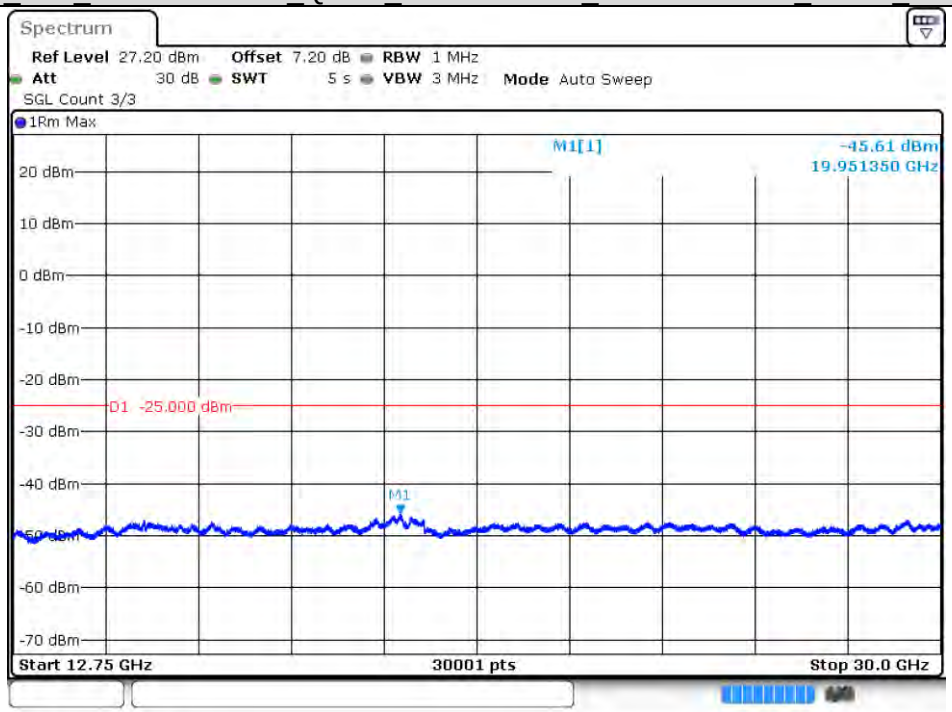

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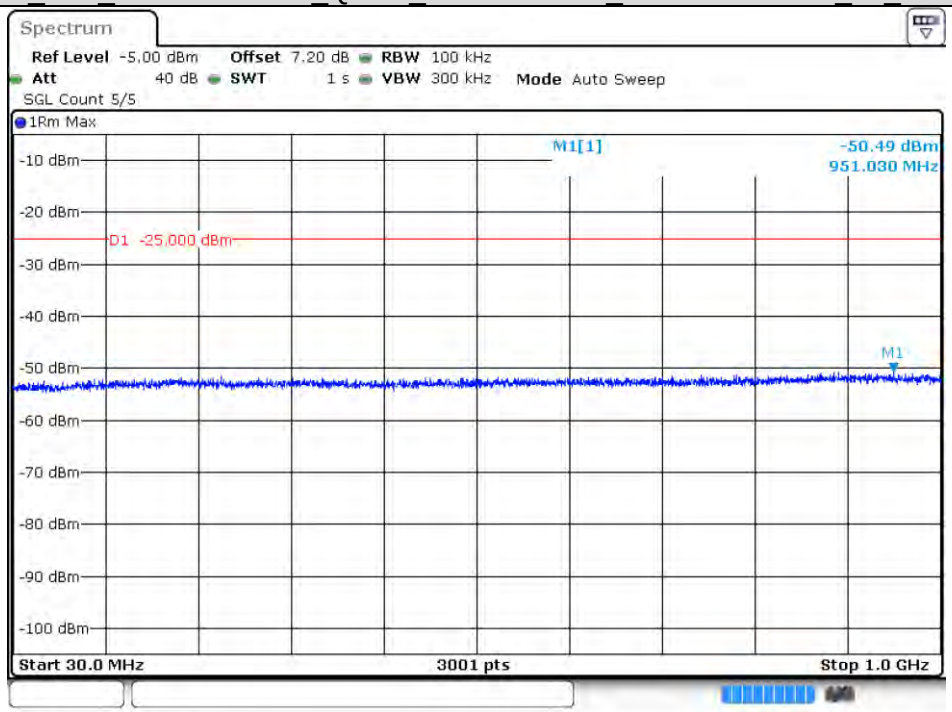

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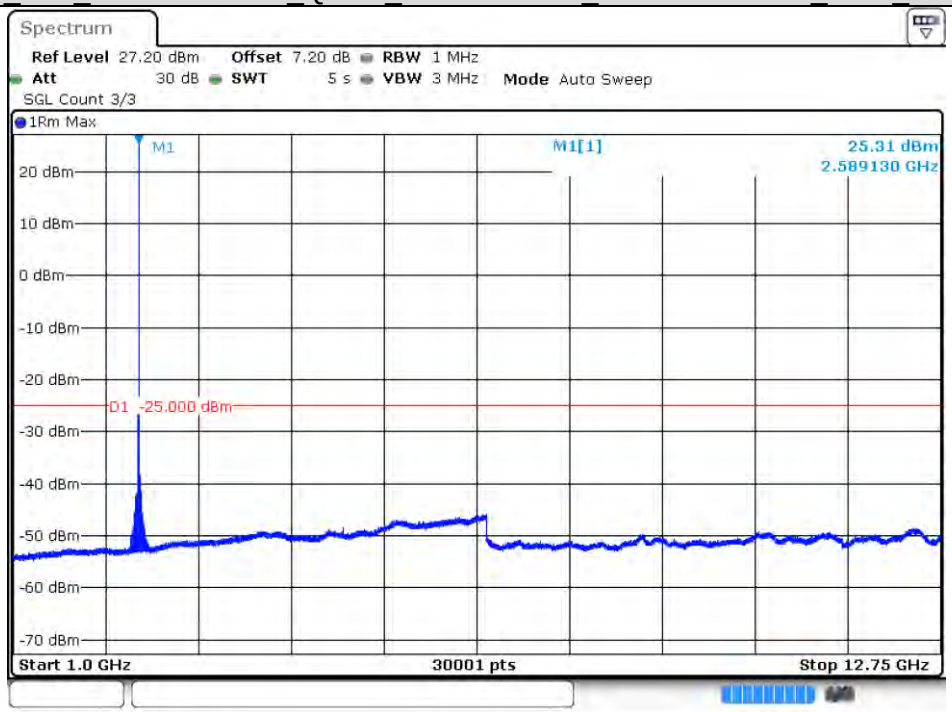

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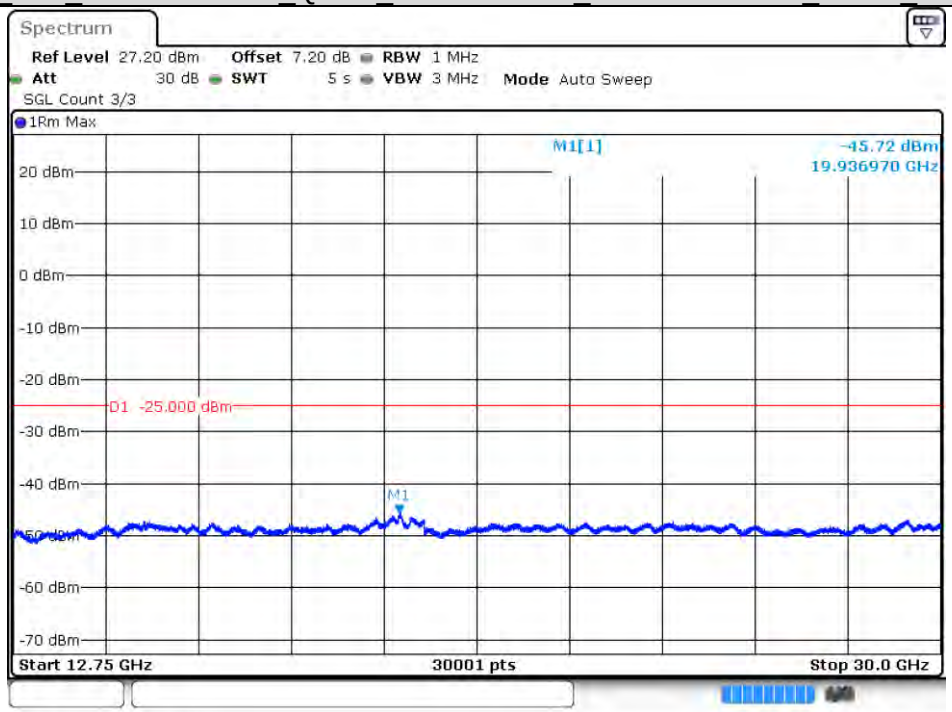

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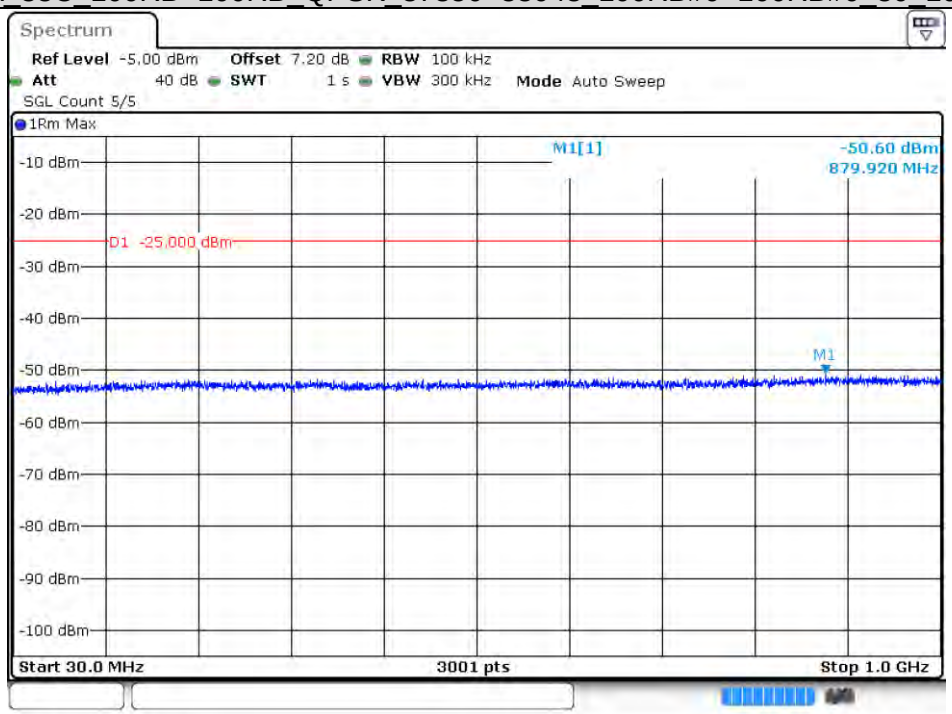

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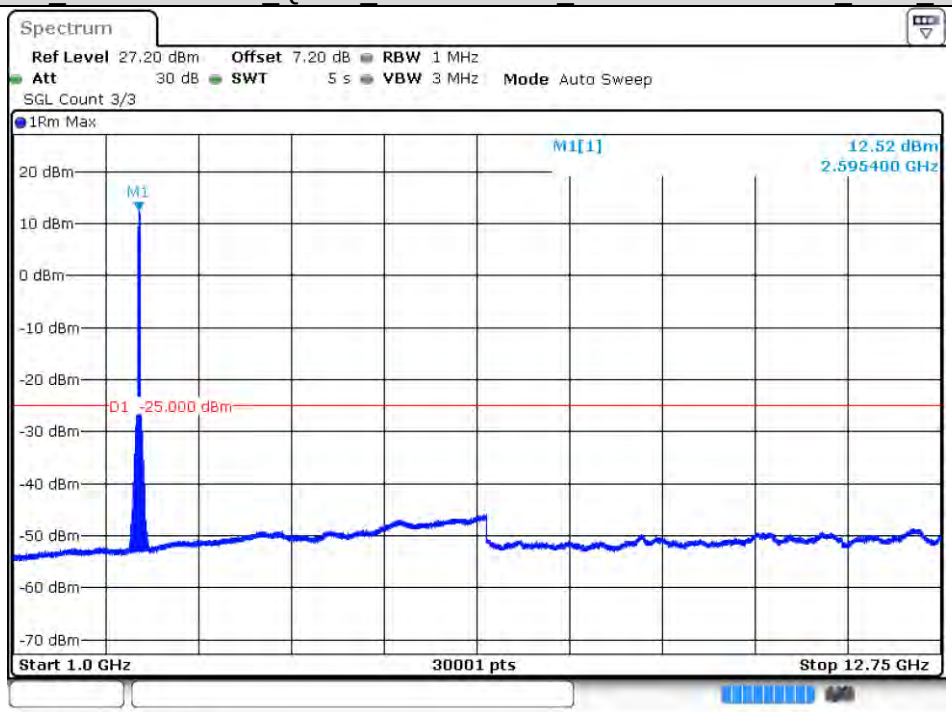

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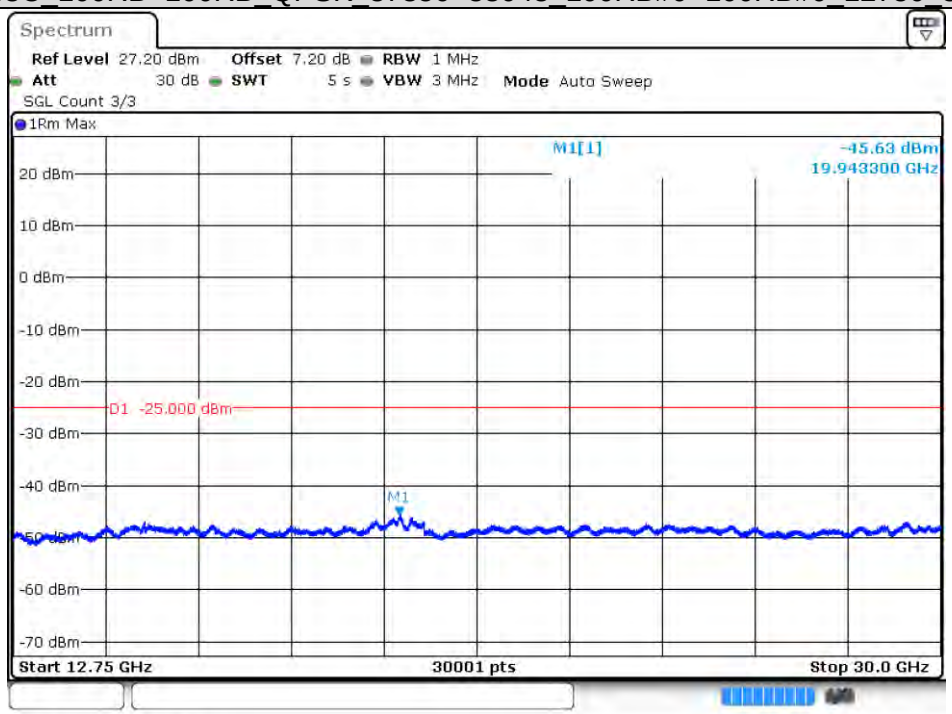

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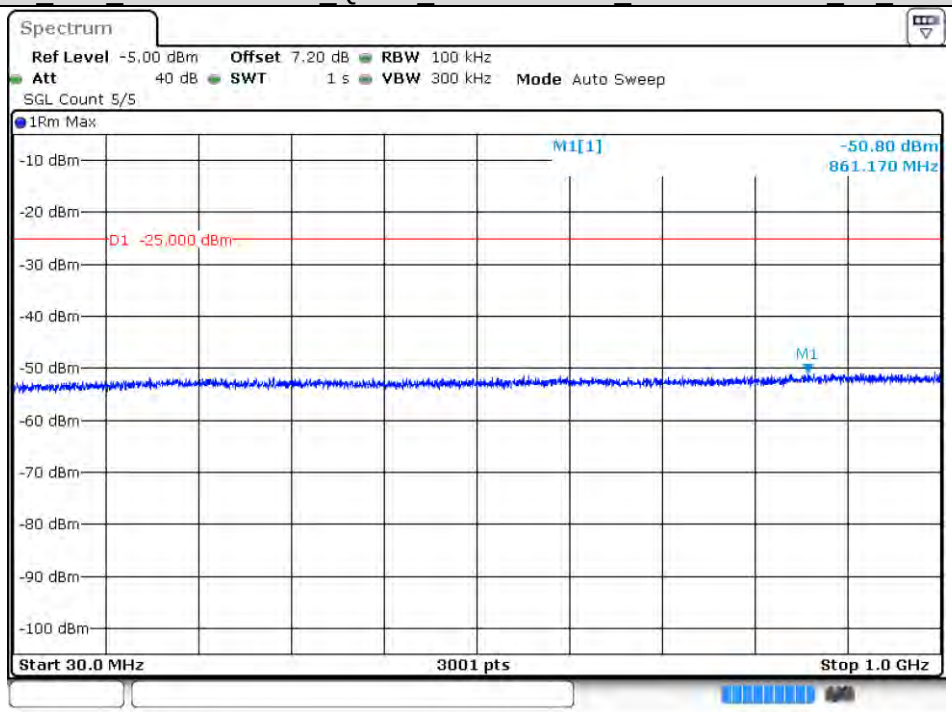

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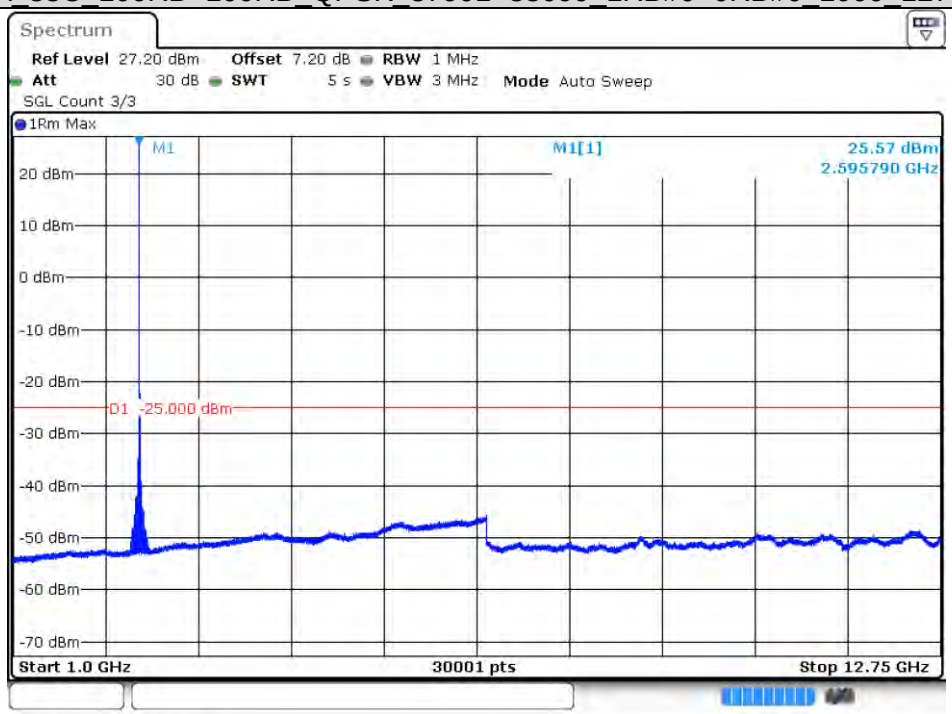

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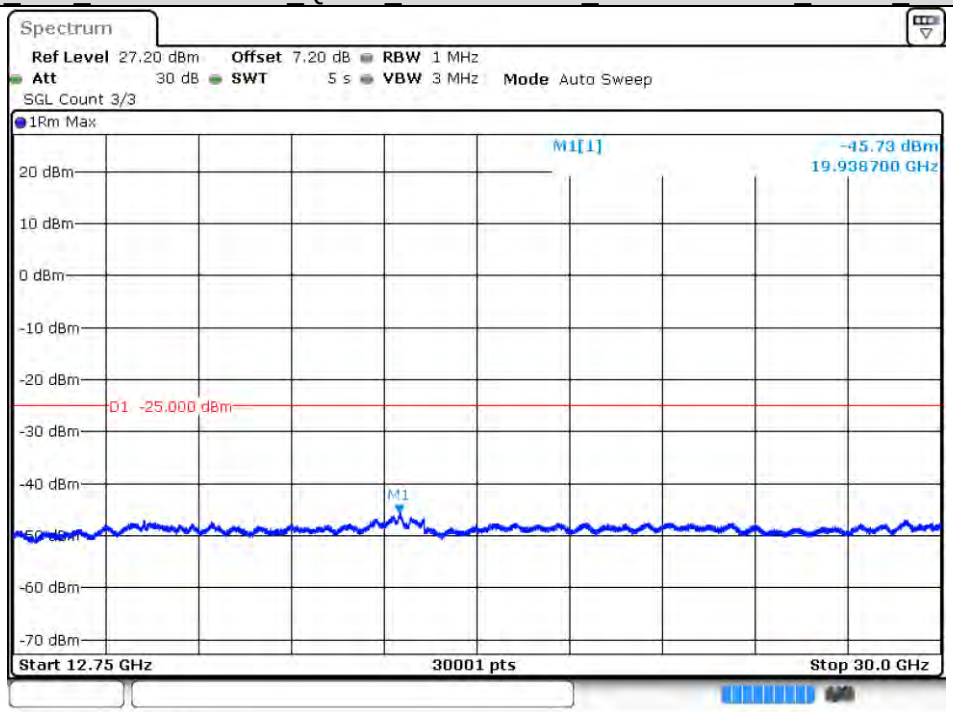

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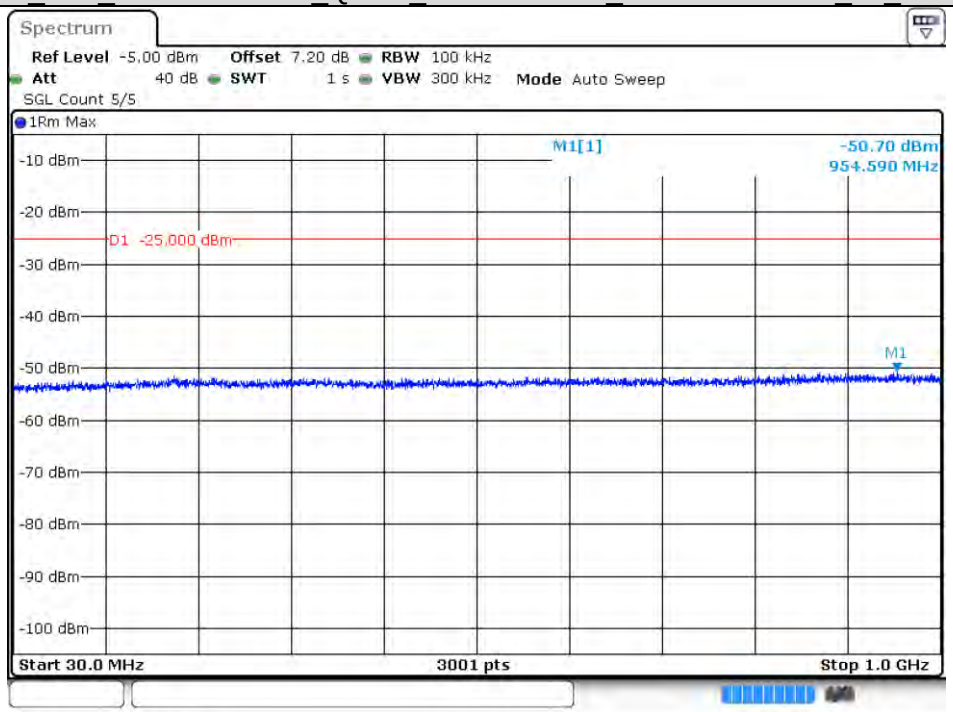

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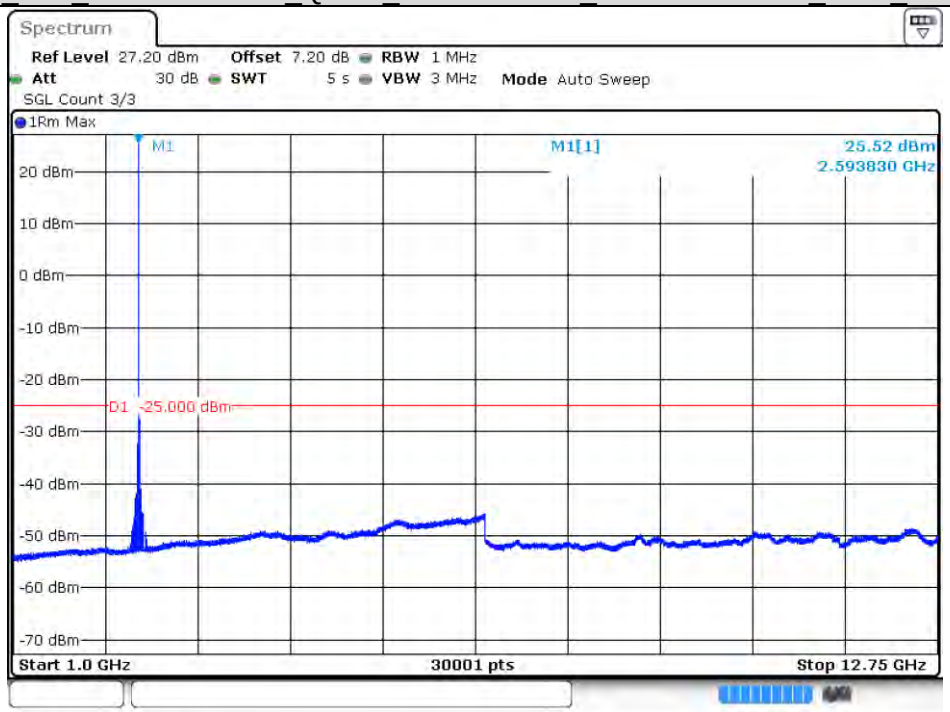

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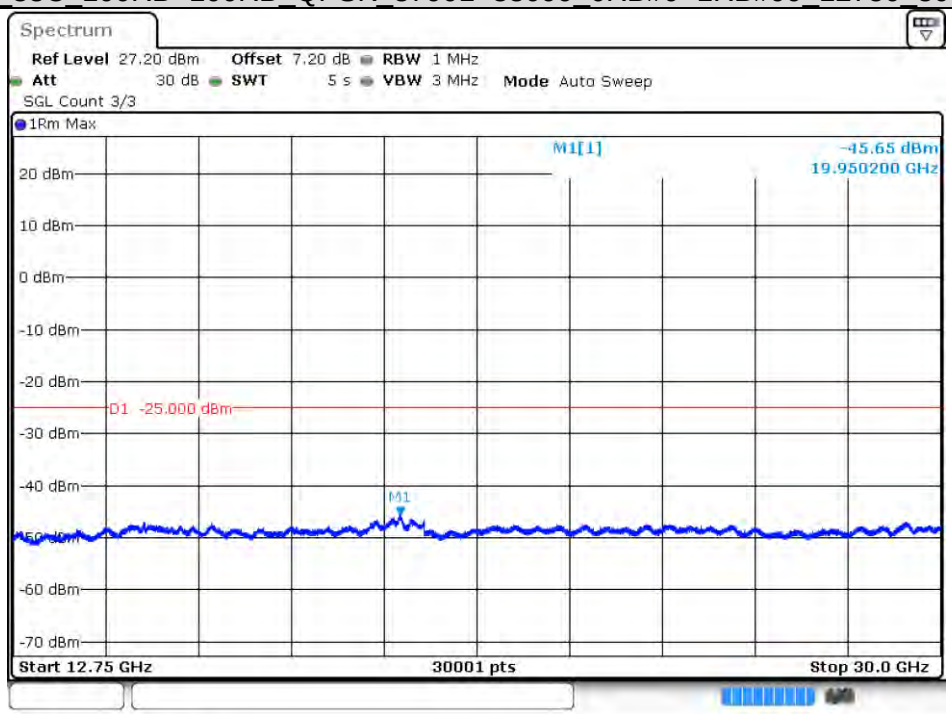

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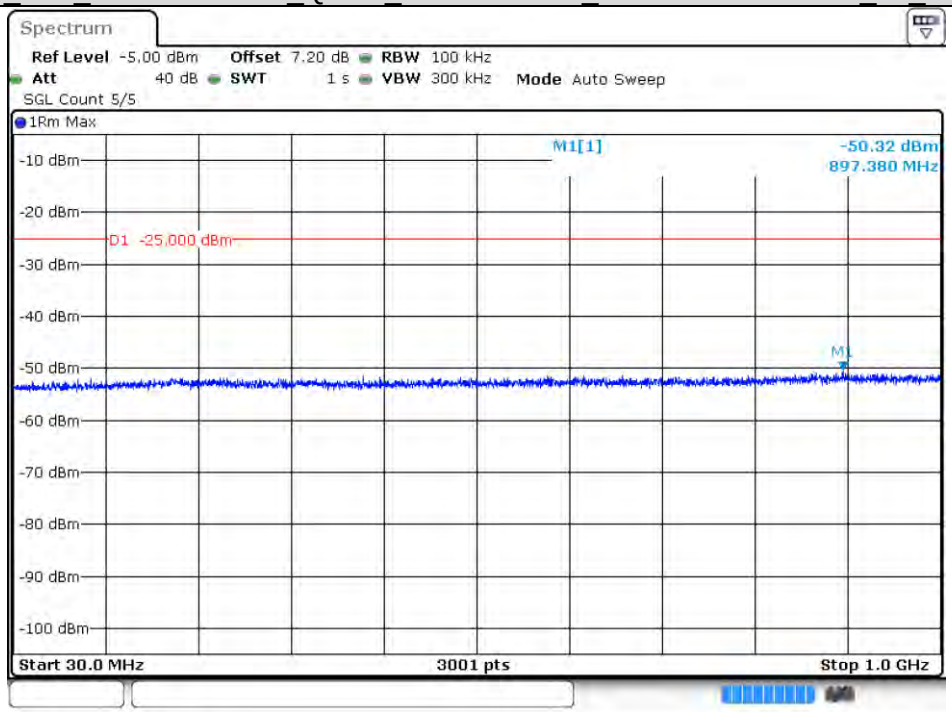

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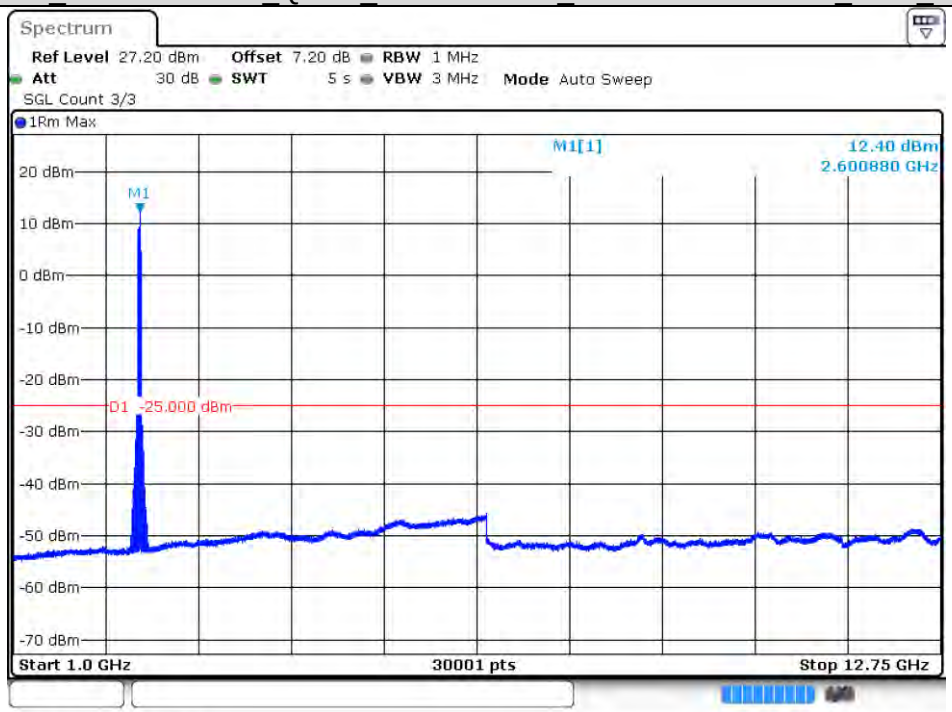

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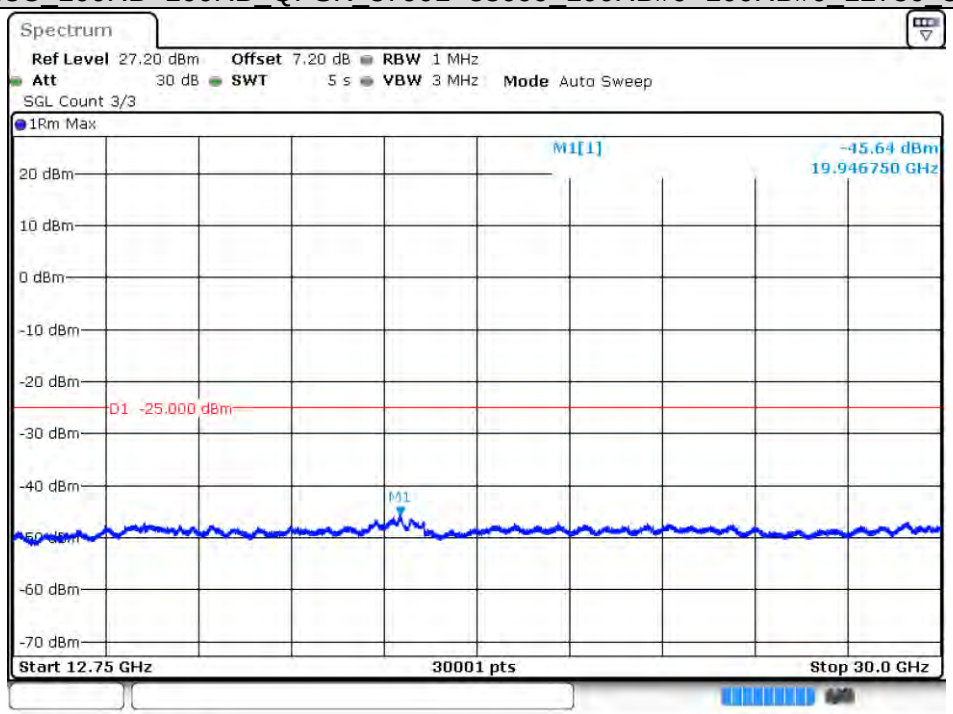

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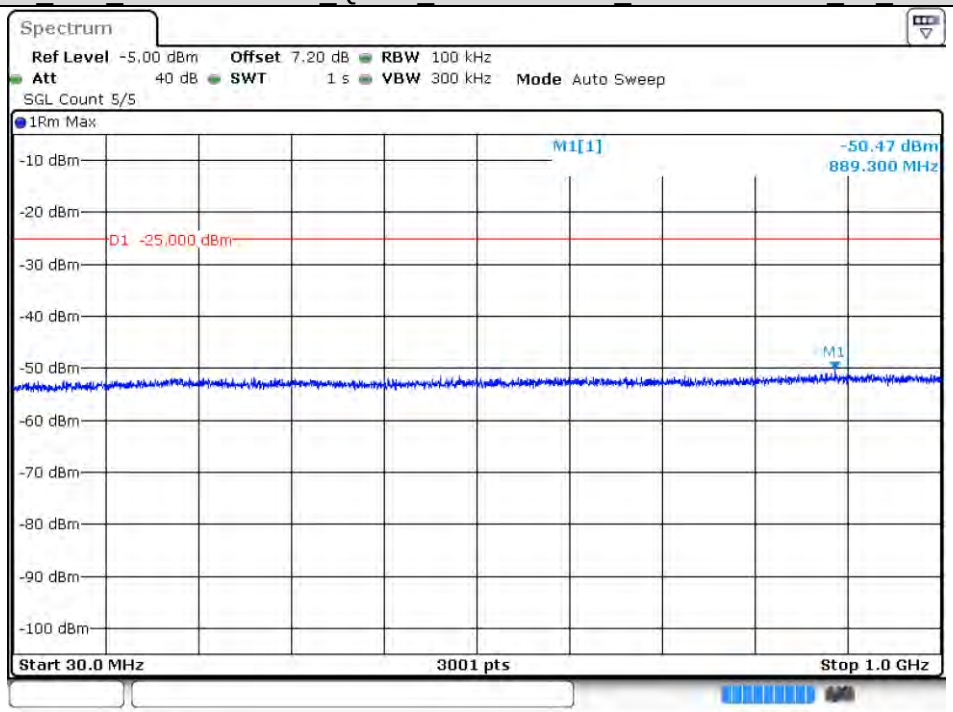

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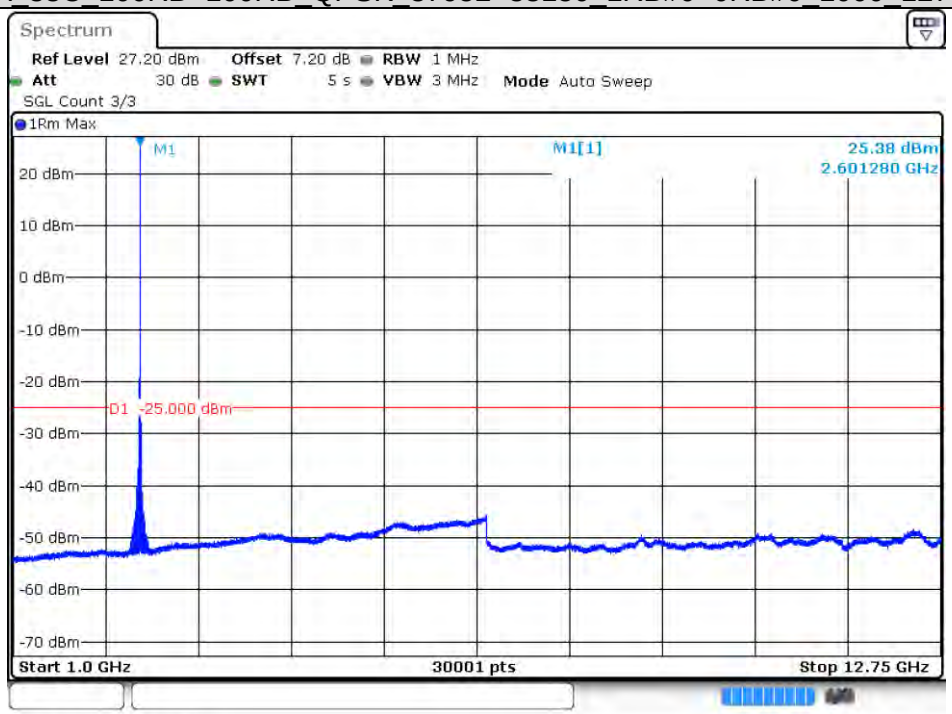

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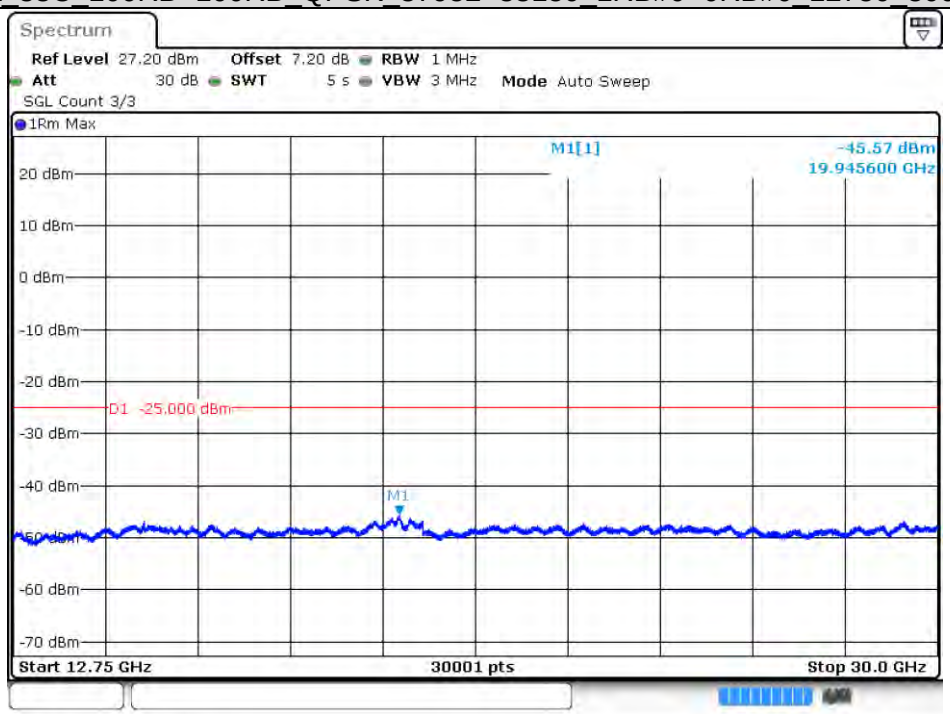

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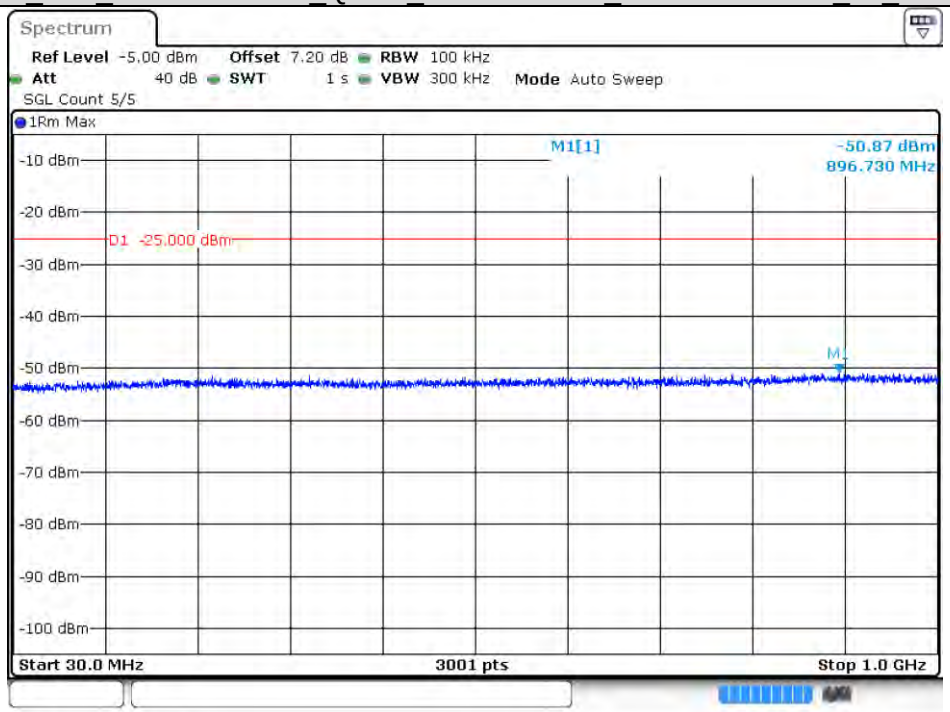

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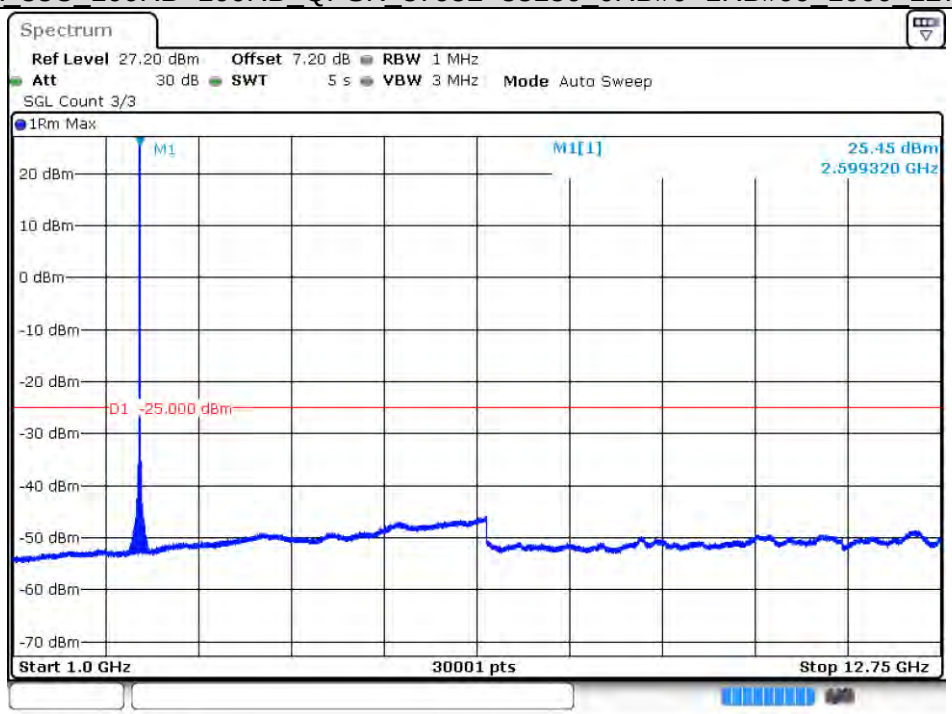

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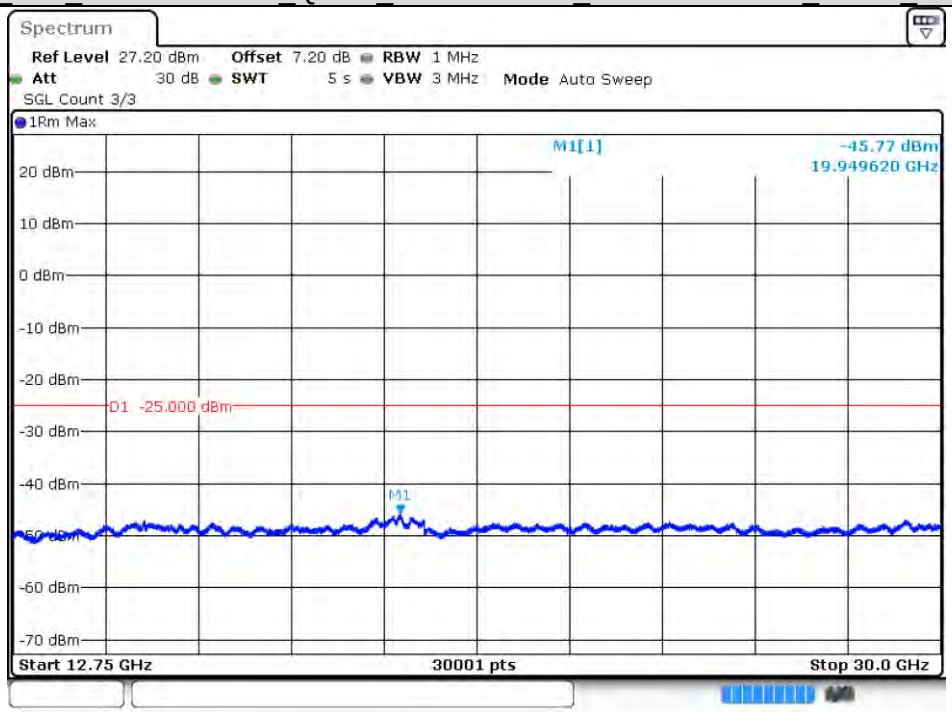

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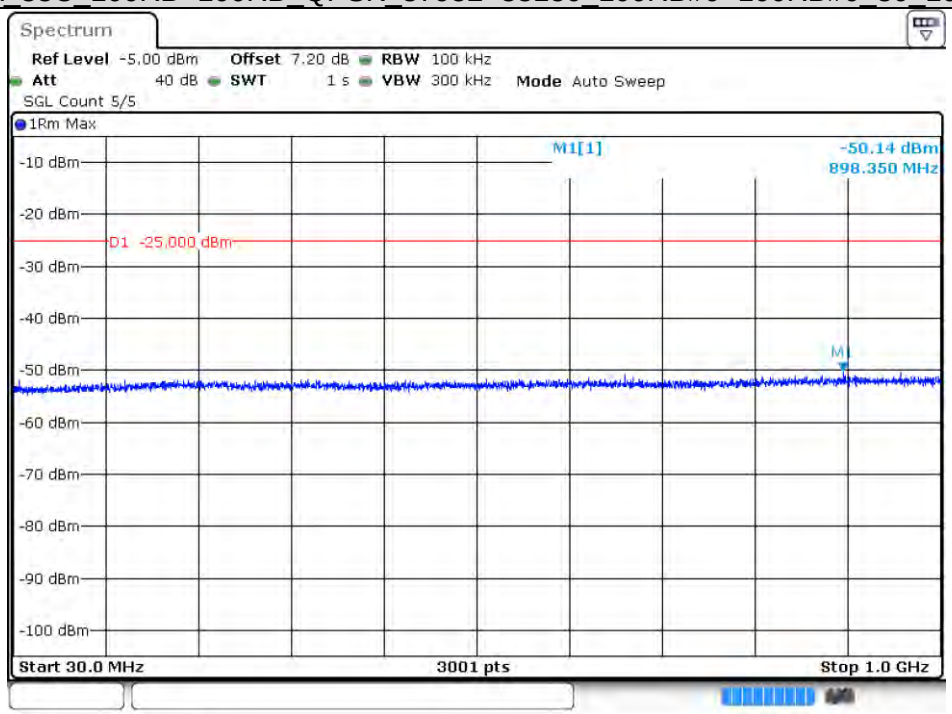

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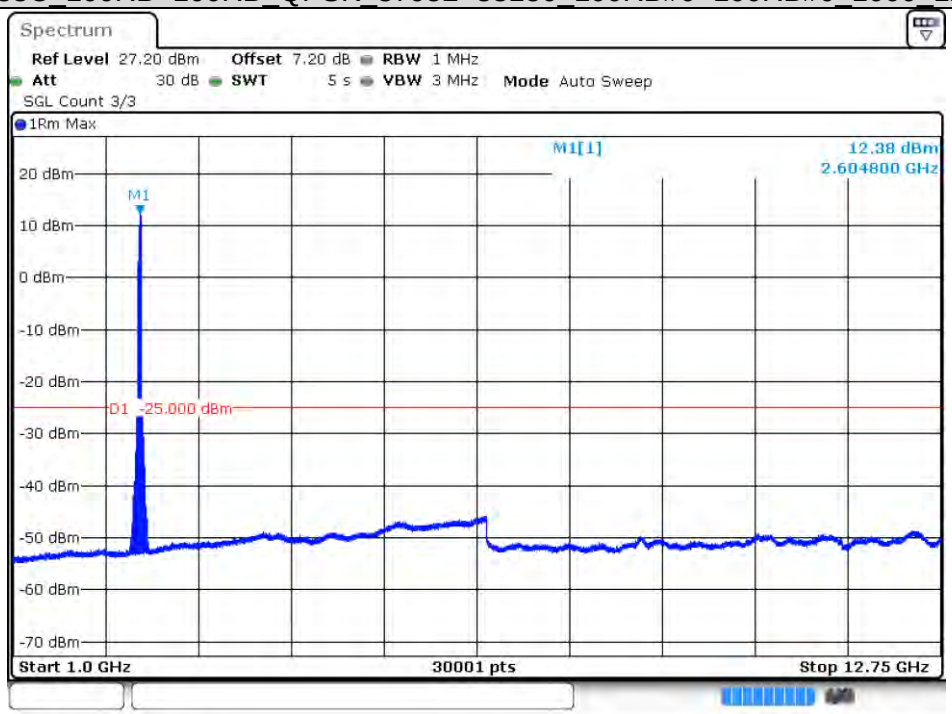

Date: 7.MAY.2021 23:20:14

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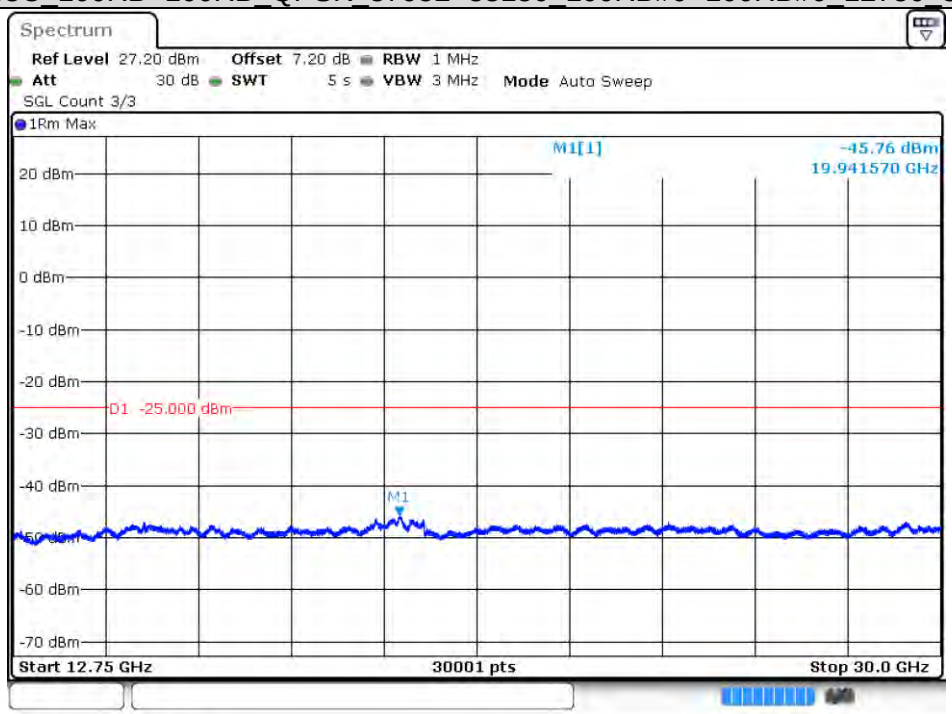

Date: 7.MAY.2021 23:28:32

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7 Field Strength of Spurious Radiation

7.1 For LTE UL CA

Below 1GHz：

7.1. Test Band = 38C_ ANT0

7.1.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.3285	39.10	-60.17	-25.00	35.17	Horizontal
2	41.0602	33.35	-64.28	-25.00	39.28	Horizontal
3	96.1672	23.93	-74.96	-25.00	49.96	Horizontal
4	224.0388	23.80	-73.08	-25.00	48.08	Horizontal
5	433.2126	25.13	-66.01	-25.00	41.01	Horizontal
6	955.1770	23.75	-58.32	-25.00	33.32	Horizontal

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7.2. Test Band =38C_ ANT0

7.2.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.3285	38.72	-60.55	-25.00	35.55	Vertical
2	40.6721	33.06	-64.65	-25.00	39.65	Vertical
3	110.9142	23.46	-75.14	-25.00	50.14	Vertical
4	288.8478	24.14	-70.69	-25.00	45.69	Vertical
5	546.1432	23.12	-65.41	-25.00	40.41	Vertical
6	980.0140	23.00	-58.86	-25.00	33.86	Vertical

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7.3. Test Band =38C_ ANT2

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.1344	39.47	-59.80	-25.00	34.80	Horizontal
2	40.8662	33.64	-64.03	-25.00	39.03	Horizontal
3	104.1228	24.57	-73.73	-25.00	48.73	Horizontal
4	327.6555	23.59	-70.10	-25.00	45.10	Horizontal
5	561.2783	24.50	-63.14	-25.00	38.14	Horizontal
6	997.4775	22.83	-58.82	-25.00	33.82	Horizontal

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7.4. Test Band = 38C_ ANT2

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.1344	40.24	-59.03	-25.00	34.03	Vertical
2	45.7171	32.04	-64.77	-25.00	39.77	Vertical
3	104.3169	23.59	-74.72	-25.00	49.72	Vertical
4	199.9780	23.63	-73.96	-25.00	48.96	Vertical
5	433.2126	25.89	-65.25	-25.00	40.25	Vertical
6	925.2951	23.26	-59.03	-25.00	34.03	Vertical

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7.5. Test Band =38C _ ANT3

7.5.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.3285	37.91	-61.36	-25.00	36.36	Horizontal
2	45.1350	32.44	-64.39	-25.00	39.39	Horizontal
3	104.3169	23.48	-74.83	-25.00	49.83	Horizontal
4	214.1428	23.53	-73.51	-25.00	48.51	Horizontal
5	381.0162	23.41	-68.42	-25.00	43.42	Horizontal
6	895.6071	23.13	-59.54	-25.00	34.54	Horizontal

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7.6. Test Band =38C _ ANT3

7.6.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.3285	39.75	-59.52	-25.00	34.52	Vertical
2	46.1052	31.79	-65.01	-25.00	40.01	Vertical
3	100.2420	23.98	-74.21	-25.00	49.21	Vertical
4	240.1440	24.14	-72.24	-25.00	47.24	Vertical
5	433.2126	24.77	-66.37	-25.00	41.37	Vertical
6	929.7580	23.07	-59.12	-25.00	34.12	Vertical

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7.7. Test Band =38C_ ANT2

7.7.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.1344	39.47	-59.80	-25.00	34.80	Horizontal
2	40.8662	33.64	-64.03	-25.00	39.03	Horizontal
3	104.1228	24.57	-73.73	-25.00	48.73	Horizontal
4	327.6555	23.59	-70.10	-25.00	45.10	Horizontal
5	561.2783	24.50	-63.14	-25.00	38.14	Horizontal
6	997.4775	22.83	-58.82	-25.00	33.82	Horizontal

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7.8. Test Band = 38C_ ANT2

7.8.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.1344	40.24	-59.03	-25.00	34.03	Vertical
2	45.7171	32.04	-64.77	-25.00	39.77	Vertical
3	104.3169	23.59	-74.72	-25.00	49.72	Vertical
4	199.9780	23.63	-73.96	-25.00	48.96	Vertical
5	433.2126	25.89	-65.25	-25.00	40.25	Vertical
6	925.2951	23.26	-59.03	-25.00	34.03	Vertical

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Above 1GHz：

7.9. Test Band = 38C_ _ ANT0

7.9.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1156.1078	22.10	-48.25	-25.00	23.25	Horizontal
2	2068.9534	21.90	-46.58	-25.00	21.58	Horizontal
3	4751.3376	50.69	-59.82	-25.00	34.82	Horizontal
4	6755.4378	49.70	-54.25	-25.00	29.25	Horizontal
5	10610.630	48.33	-48.52	-25.00	23.52	Horizontal
6	17994.749	49.75	-44.02	-25.00	19.02	Horizontal

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7.10. Test Band = 38C_ _ ANT0

7.10.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1307.5154	22.15	-48.35	-25.00	23.35	Vertical
2	1969.1485	22.10	-46.58	-25.00	21.58	Vertical
3	4974.0987	50.22	-59.33	-25.00	34.33	Vertical
4	7482.2241	49.79	-52.39	-25.00	27.39	Vertical
5	11386.169	47.41	-48.32	-25.00	23.32	Vertical
6	17696.234	47.44	-46.58	-25.00	21.58	Vertical

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7.11. Test Band = 38C_ _ ANT0

7.11.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1240.1120	21.80	-48.59	-25.00	23.59	Horizontal
2	1864.2432	21.92	-47.81	-25.00	22.81	Horizontal
3	4211.3106	51.84	-60.89	-25.00	35.89	Horizontal
4	6981.1991	50.11	-53.56	-25.00	28.56	Horizontal
5	11954.697	48.67	-46.26	-25.00	21.26	Horizontal
6	17996.249	50.39	-43.41	-25.00	18.41	Horizontal

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7.12. Test Band = 38C_ _ ANT0

7.12.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1327.7164	21.82	-48.55	-25.00	23.55	Vertical
2	2173.7587	21.80	-46.23	-25.00	21.23	Vertical
3	4068.0534	52.25	-61.55	-25.00	36.55	Vertical
4	6969.9485	50.09	-53.64	-25.00	28.64	Vertical
5	11337.416	47.73	-47.97	-25.00	22.97	Vertical
6	17950.497	49.20	-43.64	-25.00	18.64	Vertical

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7.13. Test Band = 38C_ _ ANT0

7.13.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
3	4537.5769	51.85	-59.99	-25.00	34.99	Horizontal
2	1881.7441	21.74	-47.65	-25.00	22.65	Horizontal
5	10682.634	48.17	-48.97	-25.00	23.97	Horizontal
1	1198.9099	22.41	-48.33	-25.00	23.33	Horizontal
4	6968.4484	50.69	-53.05	-25.00	28.05	Horizontal
6	17982.749	49.45	-44.07	-25.00	19.07	Horizontal

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7.14. Test Band = 38C_ _ ANT0

7.14.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1360.8180	22.15	-48.11	-25.00	23.11	Vertical
2	1873.4437	21.63	-47.80	-25.00	22.80	Vertical
3	4155.0578	51.76	-61.04	-25.00	36.04	Vertical
4	6517.6759	50.52	-54.20	-25.00	29.20	Vertical
5	9746.5873	47.58	-50.56	-25.00	25.56	Vertical
6	17987.999	50.04	-43.59	-25.00	18.59	Vertical

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7.15. Test Band = 38C_ _ ANT2

7.15.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1292.4146	21.92	-48.63	-25.00	23.63	Horizontal
2	1779.3390	22.10	-47.95	-25.00	22.95	Horizontal
3	3936.0468	52.38	-61.44	-25.00	36.44	Horizontal
4	6072.9036	50.34	-56.24	-25.00	31.24	Horizontal
5	9938.5969	47.69	-50.53	-25.00	25.53	Horizontal
6	17910.745	48.72	-44.24	-25.00	19.24	Horizontal

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7.16. Test Band = 38C_ _ANT2

7.16.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.7164	21.61	-48.73	-25.00	23.73	Vertical
2	2024.4512	22.07	-46.69	-25.00	21.69	Vertical
3	4395.8198	51.88	-60.48	-25.00	35.48	Vertical
4	7107.9554	49.53	-53.50	-25.00	28.50	Vertical
5	10609.130	47.53	-49.32	-25.00	24.32	Vertical
6	17343.717	48.90	-46.77	-25.00	21.77	Vertical

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7.17. Test Band = 38C_ _ANT2

7.17.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1368.4184	21.87	-48.32	-25.00	23.32	Horizontal
2	1875.5438	21.73	-47.68	-25.00	22.68	Horizontal
3	4479.8240	52.16	-59.68	-25.00	34.68	Horizontal
4	6159.9080	50.25	-56.27	-25.00	31.27	Horizontal
5	10634.631	47.73	-49.12	-25.00	24.12	Horizontal
6	17992.499	49.90	-43.82	-25.00	18.82	Horizontal

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7.18. Test Band = 38C_ _ANT2

7.18.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1286.7143	21.81	-48.68	-25.00	23.68	Vertical
2	2006.1503	22.29	-46.53	-25.00	21.53	Vertical
3	4156.5578	51.80	-61.00	-25.00	36.00	Vertical
4	6783.1892	49.97	-54.42	-25.00	29.42	Vertical
5	11797.939	48.14	-47.01	-25.00	22.01	Vertical
6	17816.240	49.50	-44.70	-25.00	19.70	Vertical

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7.19. Test Band = 38C_ _ANT2

7.19.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1168.8084	21.59	-48.67	-25.00	23.67	Horizontal
2	1984.6492	21.89	-46.89	-25.00	21.89	Horizontal
3	3915.7958	51.97	-61.87	-25.00	36.87	Horizontal
4	7365.9683	49.55	-53.42	-25.00	28.42	Horizontal
5	11116.905	46.83	-49.09	-25.00	24.09	Horizontal
6	17811.740	49.45	-44.74	-25.00	19.74	Horizontal

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7.20. Test Band = 38C_ _ANT2

7.20.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1271.8136	22.01	-48.60	-25.00	23.60	Vertical
2	1756.1378	22.09	-48.12	-25.00	23.12	Vertical
3	3976.5488	51.89	-61.84	-25.00	36.84	Vertical
4	6497.4249	49.13	-55.30	-25.00	30.30	Vertical
5	11182.159	47.18	-48.43	-25.00	23.43	Vertical
6	17987.249	49.50	-44.11	-25.00	19.11	Vertical

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7.21. Test Band = 38C_ _ANT3

7.21.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1237.8119	21.49	-49.03	-25.00	24.03	Horizontal
2	1884.4442	21.73	-47.71	-25.00	22.71	Horizontal
3	4546.5773	52.33	-59.53	-25.00	34.53	Horizontal
4	7485.2243	49.84	-52.31	-25.00	27.31	Horizontal
5	9954.3477	47.82	-50.39	-25.00	25.39	Horizontal
6	17996.249	49.73	-44.07	-25.00	19.07	Horizontal

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7.22. Test Band = 38C_ _ANT3

7.22.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.3076	22.63	-47.59	-25.00	22.59	Vertical
2	1804.7402	22.40	-47.64	-25.00	22.64	Vertical
3	3934.5467	52.54	-61.29	-25.00	36.29	Vertical
4	6951.1976	50.01	-53.82	-25.00	28.82	Vertical
5	11212.910	47.73	-47.97	-25.00	22.97	Vertical
6	17990.999	49.71	-43.98	-25.00	18.98	Vertical

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7.23. Test Band = 38C_ _ANT3

7.23.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1182.1091	22.10	-48.48	-25.00	23.48	Horizontal
2	2082.8541	21.70	-46.99	-25.00	21.99	Horizontal
3	4169.3085	51.77	-61.02	-25.00	36.02	Horizontal
4	6980.4490	50.31	-53.36	-25.00	28.36	Horizontal
5	11232.411	48.12	-47.66	-25.00	22.66	Horizontal
6	17985.749	49.32	-44.26	-25.00	19.26	Horizontal

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7.24. Test Band = 38C_ _ANT3

7.24.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1316.6158	21.95	-48.60	-25.00	23.60	Vertical
2	1875.3438	21.31	-48.10	-25.00	23.10	Vertical
3	4383.0692	51.85	-60.61	-25.00	35.61	Vertical
4	7868.4934	49.22	-52.64	-25.00	27.64	Vertical
5	11908.195	47.79	-46.46	-25.00	21.46	Vertical
6	17966.248	49.31	-43.86	-25.00	18.86	Vertical

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7.25. Test Band = 38C_ _ANT3

7.25.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1372.5186	21.51	-48.67	-25.00	23.67	Horizontal
2	1771.4386	21.89	-48.07	-25.00	23.07	Horizontal
3	4160.3080	51.83	-60.97	-25.00	35.97	Horizontal
4	6970.6985	49.88	-53.84	-25.00	28.84	Horizontal
5	11257.162	48.09	-47.77	-25.00	22.77	Horizontal
6	17990.999	49.75	-43.94	-25.00	18.94	Horizontal

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7.26. Test Band = 38C_ _ANT3

7.26.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1366.9183	21.74	-48.46	-25.00	23.46	Vertical
2	1967.1484	22.03	-46.73	-25.00	21.73	Vertical
3	4159.5580	51.77	-61.03	-25.00	36.03	Vertical
4	7471.7236	49.74	-52.52	-25.00	27.52	Vertical
5	11911.195	47.60	-46.70	-25.00	21.70	Vertical
6	17995.499	49.80	-43.99	-25.00	18.99	Vertical

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7.27. Test Band = 38C_ _ANT4

7.27.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1321.8161	21.80	-48.73	-25.00	23.73	Horizontal
2	1939.8470	21.70	-47.46	-25.00	22.46	Horizontal
3	3836.2918	52.64	-62.04	-25.00	37.04	Horizontal
4	5867.3934	50.76	-56.65	-25.00	31.65	Horizontal
5	9776.5888	47.88	-50.57	-25.00	25.57	Horizontal
6	17917.495	48.75	-44.19	-25.00	19.19	Horizontal

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7.28. Test Band = 38C_ _ANT4

7.28.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1211.9106	22.26	-48.51	-25.00	23.51	Vertical
2	1941.4471	21.55	-47.63	-25.00	22.63	Vertical
3	4135.5568	51.70	-61.35	-25.00	36.35	Vertical
4	6624.1812	50.11	-54.86	-25.00	29.86	Vertical
5	10644.382	47.50	-49.34	-25.00	24.34	Vertical
6	17931.746	48.81	-44.08	-25.00	19.08	Vertical

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7.29. Test Band = 38C_ _ANT4

7.29.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1171.6086	21.84	-48.45	-25.00	23.45	Horizontal
2	1759.3380	21.84	-48.24	-25.00	23.24	Horizontal
3	4263.0632	51.38	-61.31	-25.00	36.31	Horizontal
4	7454.4727	49.35	-53.06	-25.00	28.06	Horizontal
5	11926.196	48.06	-46.47	-25.00	21.47	Horizontal
6	17912.995	48.71	-44.24	-25.00	19.24	Horizontal

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7.30. Test Band = 38C_ _ANT4

7.30.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1262.3131	21.60	-48.80	-25.00	23.80	Vertical
2	1882.7441	21.65	-47.76	-25.00	22.76	Vertical
3	3982.5491	52.04	-61.67	-25.00	36.67	Vertical
4	7973.4987	49.80	-52.12	-25.00	27.12	Vertical
5	11255.662	48.39	-47.47	-25.00	22.47	Vertical
6	17985.749	49.88	-43.70	-25.00	18.70	Vertical

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7.31. Test Band = 38C_ _ANT4

7.31.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1467.1234	21.15	-48.94	-25.00	23.94	Horizontal
2	2126.7563	21.79	-46.49	-25.00	21.49	Horizontal
3	4741.5871	51.54	-59.05	-25.00	34.05	Horizontal
4	7074.9537	49.84	-53.75	-25.00	28.75	Horizontal
5	10006.100	47.63	-50.57	-25.00	25.57	Horizontal
6	17696.984	47.47	-46.53	-25.00	21.53	Horizontal

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7.32. Test Band = 38C_ _ANT4

7.32.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1309.0155	21.67	-48.82	-25.00	23.82	Vertical
2	1969.5485	21.63	-47.04	-25.00	22.04	Vertical
3	4542.8271	52.36	-59.49	-25.00	34.49	Vertical
4	7472.4736	49.69	-52.57	-25.00	27.57	Vertical
5	12418.220	47.07	-46.95	-25.00	21.95	Vertical
6	17997.749	50.09	-43.74	-25.00	18.74	Vertical

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.

3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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8 Frequency Stability

8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	RB Config	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	TN	LV	4.58	0.001774	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	TN	NV	-13.25	-0.005132	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	TN	HV	-4.72	-0.001827	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	TN	LV	-0.40	-0.000153	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	TN	NV	3.34	0.001292	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	TN	HV	3.26	0.001260	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	TN	LV	6.40	0.002454	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	TN	NV	-3.96	-0.001519	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	TN	HV	-1.44	-0.000551	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	TN	LV	-10.71	-0.004109	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	TN	NV	5.68	0.002179	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	TN	HV	14.87	0.005704	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	TN	LV	-4.83	-0.001868	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	TN	NV	10.88	0.004207	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	TN	HV	5.38	0.002080	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	TN	LV	-6.61	-0.002535	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	TN	NV	-8.98	-0.003447	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	TN	HV	2.63	0.001010	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	TN	LV	9.35	0.003621	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	TN	NV	8.50	0.003293	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	TN	HV	-11.68	-0.004522	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	TN	LV	-5.53	-0.002138	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	TN	NV	-10.80	-0.004175	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	TN	HV	-13.36	-0.005165	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	TN	LV	5.73	0.002200	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	TN	NV	-5.24	-0.002011	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	TN	HV	-10.99	-0.004217	PASS

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8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	RB Config	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	-30	10.56	0.004090	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	-20	14.59	0.005650	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	-10	-14.23	-0.005512	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	0	7.43	0.002879	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	10	-1.22	-0.000471	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	20	2.26	0.000876	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	30	-7.36	-0.002849	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	40	6.83	0.002643	PASS
CA_38C	QPSK	37850+38048	100RB#0/100RB#0	NV	50	-11.70	-0.004531	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	-30	-7.25	-0.002803	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	-20	-3.73	-0.001441	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	-10	12.00	0.004641	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	0	-12.00	-0.004638	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	10	-9.93	-0.003840	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	20	0.62	0.000241	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	30	-7.49	-0.002894	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	40	-13.60	-0.005256	PASS
CA_38C	QPSK	37901+38099	100RB#0/100RB#0	NV	50	13.76	0.005321	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	-30	13.59	0.005213	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	-20	-14.24	-0.005465	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	-10	7.83	0.003006	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	0	-0.44	-0.000169	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	10	-3.65	-0.001402	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	20	14.37	0.005512	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	30	1.59	0.000610	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	40	-13.24	-0.005078	PASS
CA_38C	QPSK	37952+38150	100RB#0/100RB#0	NV	50	-14.78	-0.005672	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	-30	-10.57	-0.004093	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	-20	-4.58	-0.001774	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	-10	7.49	0.002903	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	0	-13.64	-0.005281	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	10	-0.74	-0.000287	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	20	13.73	0.005317	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	30	-13.71	-0.005310	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	40	-5.30	-0.002052	PASS
CA_38C	16QAM	37850+38048	100RB#0/100RB#0	NV	50	-4.30	-0.001664	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	-30	11.71	0.004525	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	-20	-11.00	-0.004254	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	-10	1.24	0.000481	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	0	0.27	0.000106	PASS

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CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	10	-6.03	-0.002332	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	20	-2.30	-0.000890	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	30	5.31	0.002053	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	40	-4.42	-0.001710	PASS
CA_38C	16QAM	37901+38099	100RB#0/100RB#0	NV	50	6.90	0.002666	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	-30	-4.30	-0.001652	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	-20	-14.31	-0.005489	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	-10	-11.75	-0.004507	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	0	-14.79	-0.005675	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	10	-14.76	-0.005665	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	20	-1.38	-0.000529	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	30	12.25	0.004701	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	40	4.00	0.001534	PASS
CA_38C	16QAM	37952+38150	100RB#0/100RB#0	NV	50	2.62	0.001005	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	-30	12.24	0.004741	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	-20	0.34	0.000132	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	-10	-8.89	-0.003441	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	0	1.67	0.000648	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	10	4.01	0.001555	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	20	-14.08	-0.005454	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	30	-6.31	-0.002445	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	40	-11.49	-0.004451	PASS
CA_38C	64QAM	37850+38048	100RB#0/100RB#0	NV	50	9.25	0.003583	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	-30	-5.53	-0.002140	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	-20	-10.48	-0.004050	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	-10	2.15	0.000832	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	0	1.35	0.000520	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	10	-7.49	-0.002894	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	20	2.12	0.000821	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	30	-1.68	-0.000648	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	40	-8.44	-0.003264	PASS
CA_38C	64QAM	37901+38099	100RB#0/100RB#0	NV	50	-11.06	-0.004274	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	-30	11.39	0.004370	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	-20	13.36	0.005126	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	-10	-7.93	-0.003043	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	0	-12.32	-0.004726	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	10	13.70	0.005257	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	20	-1.64	-0.000628	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	30	13.61	0.005223	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	40	4.11	0.001575	PASS
CA_38C	64QAM	37952+38150	100RB#0/100RB#0	NV	50	-5.61	-0.002151	PASS

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