



# Appendix B

## E-UTRA Band CA\_7C



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

## CONTENT

Page

<b>1</b>	<b>EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA.....</b>	<b>4</b>
	1.1 MAX POWER TEST RESULT FOR LTE BAND CA_7C(ANT0) .....	4
<b>2</b>	<b>PEAK-TO-AVERAGE RATIO .....</b>	<b>7</b>
	2.1 FOR LTE.....	8
	2.1.1 Test Band = LTE Band CA_7C.....	8
<b>3</b>	<b>MODULATION CHARACTERISTICS .....</b>	<b>13</b>
	3.1 FOR LTE.....	13
	3.1.1 Test Band = LTE Band CA_7C.....	13
<b>4</b>	<b>26DB BANDWIDTH AND OCCUPIED BANDWIDTH .....</b>	<b>16</b>
	4.1 FOR LTE.....	18
	4.1.1 Test Band = LTE Band CA_7C.....	18
<b>5</b>	<b>BAND EDGES COMPLIANCE .....</b>	<b>50</b>
	5.1 FOR LTE.....	50
	5.1.1 Test Band = LTE Band CA_7C.....	50
<b>6</b>	<b>SPURIOUS EMISSION AT ANTENNA TERMINAL .....</b>	<b>63</b>
	6.1 FOR LTE.....	63
	6.1.1 Test Band = LTE Band CA_7C.....	63
<b>7</b>	<b>FIELD STRENGTH OF SPURIOUS RADIATION.....</b>	<b>77</b>
	7.1 FOR LTE UL CA .....	77
	7.1. Test Band = 7C_ ANT0.....	77
	7.1.1. Test Channel = Mid Channel.....	77
	7.2. Test Band = 7C_ ANT0.....	78
	7.2.1. Test Channel = Mid Channel.....	78
	7.3. Test Band = 7C ANT3.....	79
	7.3.1. Test Channel = Mid Channel.....	79
	7.4. Test Band = 7C ANT3.....	80
	7.4.1. Test Channel = Mid Channel.....	80
	7.5. Test Band = 7C_ ANT0.....	81



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)



7.5.1. Test Channel = Low Channel..... 81

7.6. Test Band = 7C\_ \_ANT0..... 82

7.6.1. Test Channel = Low Channel..... 82

7.7. Test Band = 7C\_ \_ANT0..... 83

7.7.1. Test Channel = Mid Channel..... 83

7.8. Test Band = 7C\_ \_ANT0..... 84

7.8.1. Test Channel = Mid Channel..... 84

7.9. Test Band = 7C\_ \_ANT0..... 85

7.9.1. Test Channel = High Channel..... 85

7.10. Test Band = 7C\_ \_ANT0..... 86

7.10.1. Test Channel = High Channel..... 86

7.11. Test Band = 7C\_ \_ANT3..... 87

7.11.1. Test Channel = Low Channel..... 87

7.12. Test Band = 7C\_ \_ANT3..... 88

7.12.1. Test Channel = Low Channel..... 88

7.13. Test Band = 7C\_ \_ANT3..... 89

7.13.1. Test Channel = Mid Channel..... 89

7.14. Test Band = 7C\_ \_ANT3..... 90

7.14.1. Test Channel = Mid Channel..... 90

7.15. Test Band = 7C\_ \_ANT3..... 91

7.15.1. Test Channel = High Channel..... 91

7.16. Test Band = 7C\_ \_ANT3..... 92

7.16.1. Test Channel = High Channel..... 92

**8 FREQUENCY STABILITY.....93**

8.1 FREQUENCY ERROR VS. VOLTAGE..... 93

8.2 FREQUENCY ERROR VS. TEMPERATURE..... 94



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)



# 1 Effective (Isotropic) Radiated Power Output Data

## 1.1 Max Power Test Result for LTE Band CA\_7C(ANT0)

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	QPSK	23.62	22.02	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	QPSK	23.87	22.27	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	QPSK	23.64	22.04	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	QPSK	23.35	21.75	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	QPSK	23.51	21.91	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	QPSK	23.55	21.95	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	QPSK	23.73	22.13	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	QPSK	23.5	21.9	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	QPSK	23.6	22	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	QPSK	23.55	21.95	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	QPSK	23.72	22.12	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	QPSK	23.43	21.83	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	QPSK	23.58	21.98	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	QPSK	23.62	22.02	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	QPSK	23.77	22.17	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	QPSK	23.89	22.29	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	QPSK	23.53	21.93	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	QPSK	23.58	21.98	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	QPSK	23.88	22.28	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	QPSK	24.09	22.49	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	QPSK	23.79	22.19	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	QPSK	23.77	22.17	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	QPSK	23.86	22.26	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	QPSK	23.98	22.38	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	QPSK	24.09	22.49	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	QPSK	23.71	22.11	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	QPSK	23.8	22.2	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	QPSK	23.48	21.88	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	QPSK	23.62	22.02	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	QPSK	23.75	22.15	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	QPSK	23.86	22.26	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	QPSK	23.5	21.9	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	QPSK	23.59	21.99	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	16QAM	22.86	21.26	33.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	16QAM	23.23	21.63	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	16QAM	22.9	21.3	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	16QAM	22.65	21.05	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	16QAM	22.57	20.97	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	16QAM	22.92	21.32	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	16QAM	22.72	21.12	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	16QAM	22.88	21.28	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	16QAM	22.65	21.05	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	16QAM	22.93	21.33	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	16QAM	23.16	21.56	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	16QAM	22.77	21.17	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	16QAM	22.79	21.19	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	16QAM	22.72	21.12	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	16QAM	23.1	21.5	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	16QAM	22.9	21.3	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	16QAM	22.91	21.31	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	16QAM	22.61	21.01	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	16QAM	23.11	21.51	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	16QAM	23.47	21.87	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	16QAM	23.01	21.41	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	16QAM	23.15	21.55	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	16QAM	22.87	21.27	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	16QAM	23.24	21.64	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	16QAM	23.1	21.5	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	16QAM	23.05	21.45	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	16QAM	22.85	21.25	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	16QAM	22.78	21.18	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	16QAM	22.64	21.04	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	16QAM	22.93	21.33	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	16QAM	22.86	21.26	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	16QAM	22.66	21.06	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	16QAM	22.6	21	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	64QAM	21.88	20.28	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	64QAM	22.07	20.47	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	64QAM	21.83	20.23	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	64QAM	21.55	19.95	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	64QAM	21.54	19.94	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	64QAM	21.77	20.17	33.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	64QAM	21.73	20.13	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	64QAM	21.72	20.12	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	64QAM	21.62	20.02	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	64QAM	21.76	20.16	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	64QAM	21.96	20.36	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	64QAM	21.73	20.13	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	64QAM	21.77	20.17	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	64QAM	21.7	20.1	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	64QAM	22.06	20.46	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	64QAM	21.89	20.29	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	64QAM	21.86	20.26	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	64QAM	21.61	20.01	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	64QAM	22.16	20.56	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	64QAM	22.21	20.61	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	64QAM	21.96	20.36	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	64QAM	21.97	20.37	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	64QAM	21.81	20.21	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	64QAM	22.11	20.51	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	64QAM	22.04	20.44	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	64QAM	21.91	20.31	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	64QAM	21.79	20.19	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	64QAM	21.65	20.05	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	64QAM	21.58	19.98	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	64QAM	22.01	20.41	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	64QAM	21.79	20.19	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	64QAM	21.71	20.11	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	64QAM	21.59	19.99	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 [dBi]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch / 深圳分公司实验室

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



## 2 Peak-to-Average Ratio

### Part I - Test Results

Test Band	Modulation	Test Mode	Test Channel	PCC RB Config	SCC RB Config	Measured [dB]	Limit [dB]	Verdict
CA_7C	QPSK	100RB+100RB	21048+20850	100RB#0	100RB#0	5.07	13.00	PASS
CA_7C	QPSK	100RB+100RB	21199+21001	100RB#0	100RB#0	4.99	13.00	PASS
CA_7C	QPSK	100RB+100RB	21350+21152	100RB#0	100RB#0	5.01	13.00	PASS
CA_7C	16QAM	100RB+100RB	21048+20850	100RB#0	100RB#0	6.00	13.00	PASS
CA_7C	16QAM	100RB+100RB	21199+21001	100RB#0	100RB#0	5.94	13.00	PASS
CA_7C	16QAM	100RB+100RB	21350+21152	100RB#0	100RB#0	6.32	13.00	PASS
CA_7C	64QAM	100RB+100RB	21048+20850	100RB#0	100RB#0	6.23	13.00	PASS
CA_7C	64QAM	100RB+100RB	21199+21001	100RB#0	100RB#0	6.26	13.00	PASS
CA_7C	64QAM	100RB+100RB	21350+21152	100RB#0	100RB#0	5.94	13.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



**2.1 For LTE**

**2.1.1 Test Band = LTE Band CA\_7C**

CA\_7C\_100RB+100RB\_QPSK\_21048+20850\_100RB#0+100RB#0



Date: 10.MAY.2021 03:16:26



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)



**CA\_7C\_100RB+100RB\_QPSK\_21199+21001\_100RB#0+100RB#0**



Date: 10.MAY.2021 03:16:52

**CA\_7C\_100RB+100RB\_QPSK\_21350+21152\_100RB#0+100RB#0**



Date: 10.MAY.2021 03:17:14



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**CA\_7C\_100RB+100RB\_16QAM\_21048+20850\_100RB#0+100RB#0**



Date: 10.MAY.2021 03:16:41

**CA\_7C\_100RB+100RB\_16QAM\_21199+21001\_100RB#0+100RB#0**



Date: 10.MAY.2021 03:17:03



**CA\_7C\_100RB+100RB\_16QAM\_21350+21152\_100RB#0+100RB#0**



Date: 10.MAY.2021 03:15:56

**CA\_7C\_100RB+100RB\_64QAM\_21048+20850\_100RB#0+100RB#0**



Date: 10.MAY.2021 03:15:34



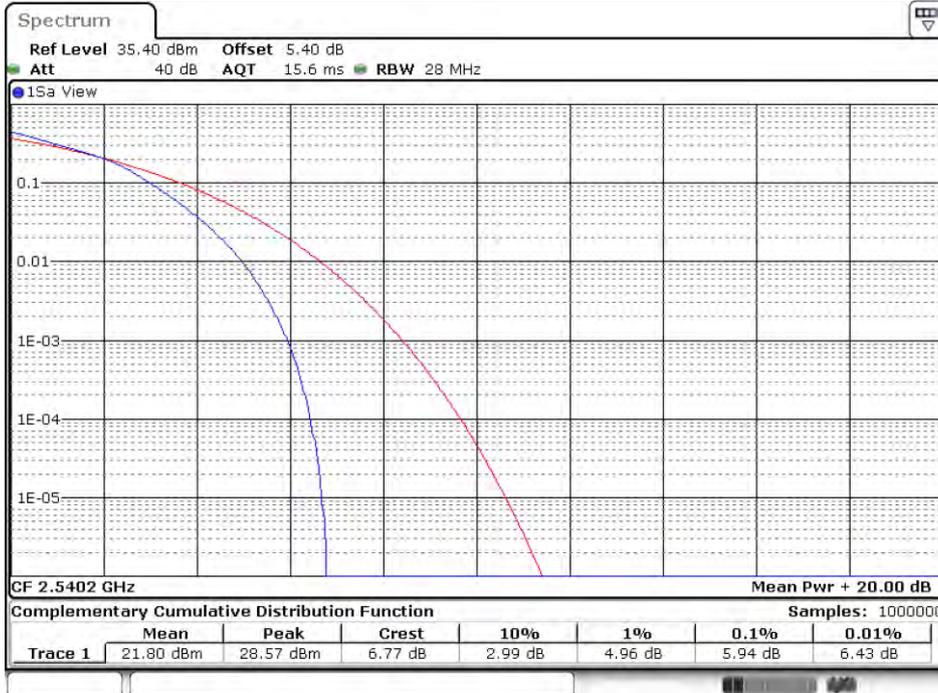


**CA\_7C\_100RB+100RB\_64QAM\_21199+21001\_100RB#0+100RB#0**



Date: 10.MAY.2021 03:15:45

**CA\_7C\_100RB+100RB\_64QAM\_21350+21152\_100RB#0+100RB#0**



Date: 10.MAY.2021 03:17:31





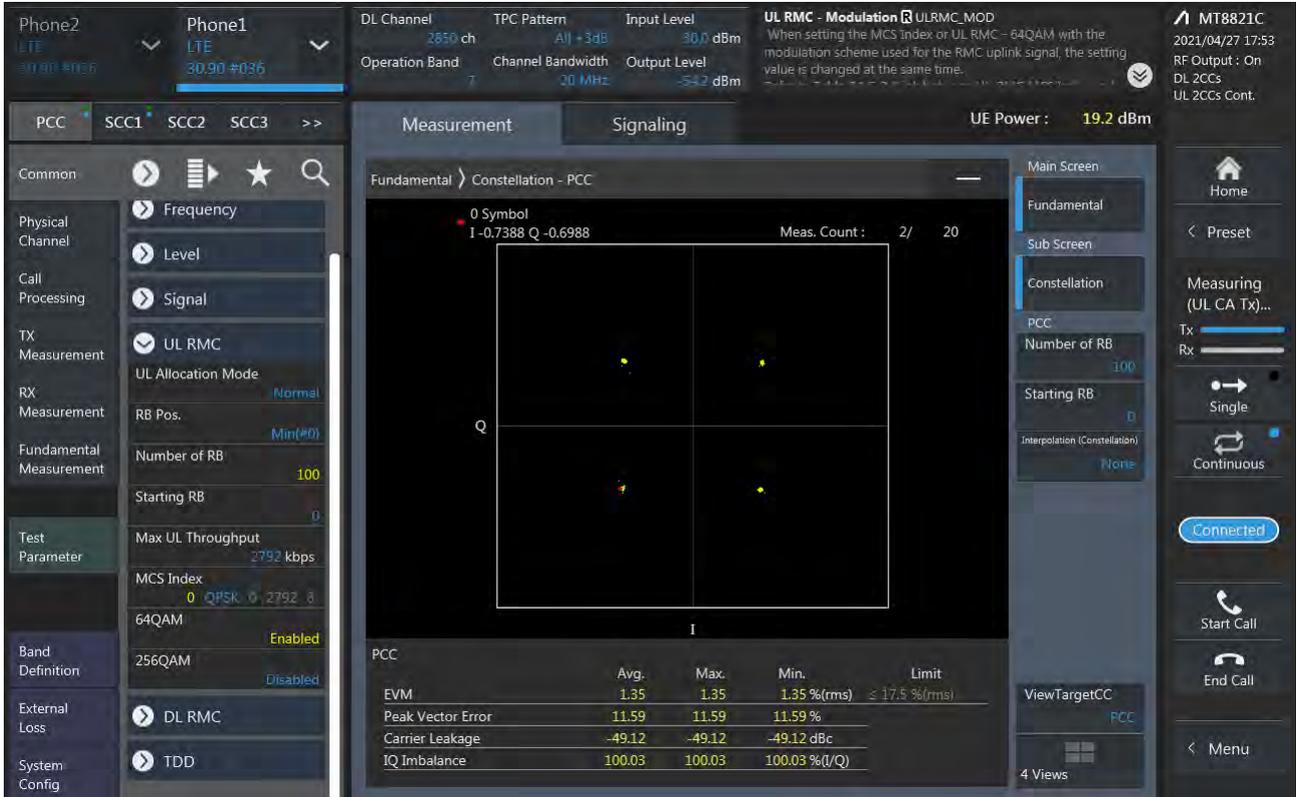
### 3 Modulation Characteristics

#### 3.1 For LTE

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

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

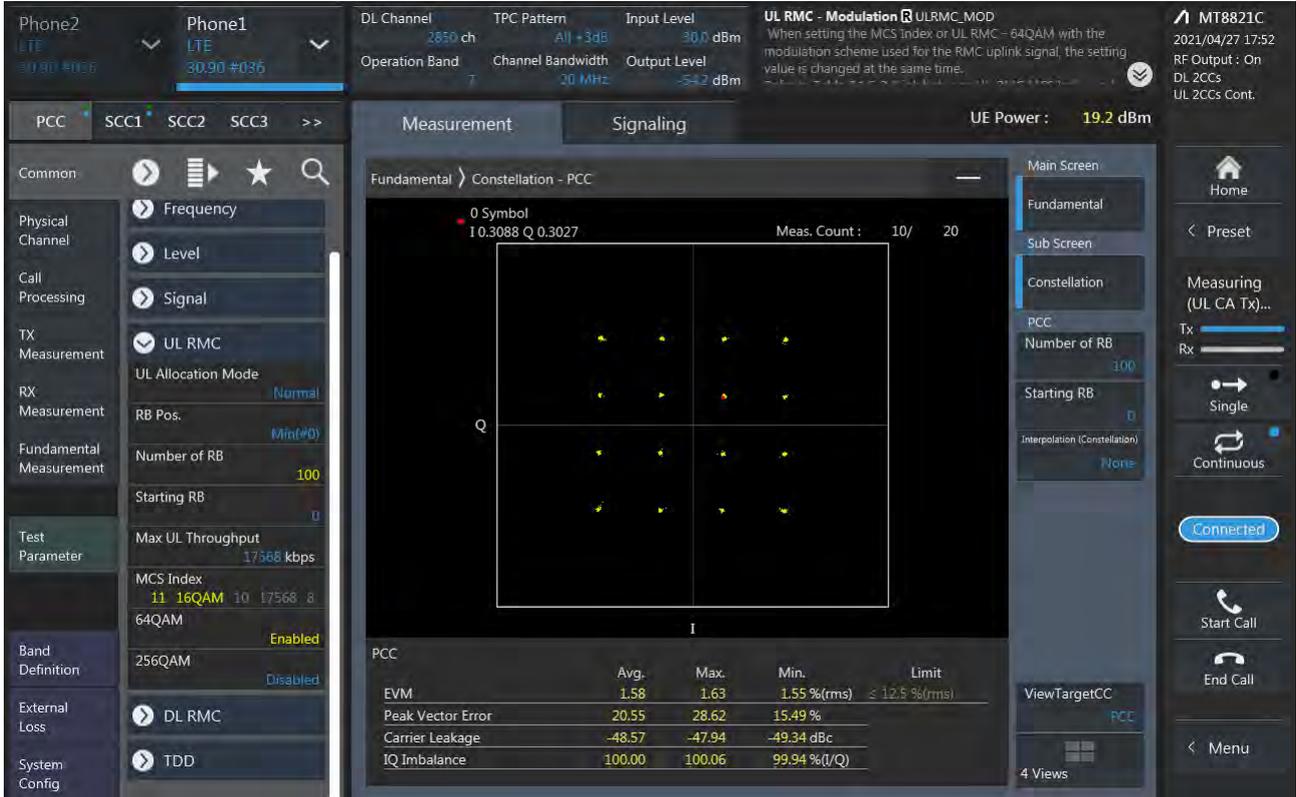
##### 3.1.1.1.1 Test Channel = 20850+20994





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

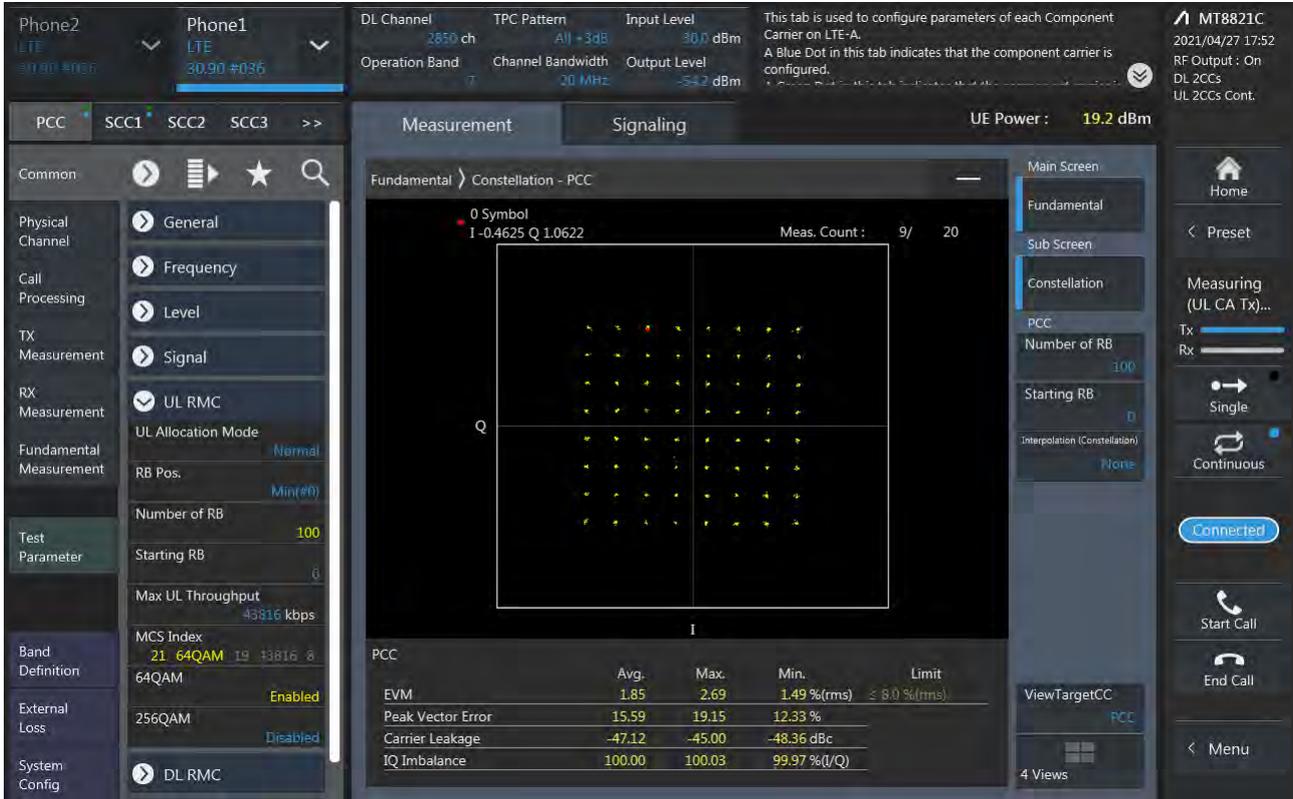
**3.1.1.2.1 Test Channel =20850+20994**





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

**3.1.1.3.1 Test Channel = 20850+20994**





## 4 26dB Bandwidth and Occupied Bandwidth

Test Band	Test Mode PCC/SCC	Modulation PCC&SCC	Test Channel PCC/SCC	RB Config	OBW [MHz]	EBW [MHz]	Verdict
CA_7C	50RB+100RB	QPSK	20805+20949	50RB#0+100RB#0	27.61	28.58	PASS
CA_7C	50RB+100RB	16QAM	20805+20949	50RB#0+100RB#0	27.59	28.52	PASS
CA_7C	50RB+100RB	64QAM	20805+20949	50RB#0+100RB#0	27.59	28.58	PASS
CA_7C	50RB+100RB	QPSK	21006+21150	50RB#0+100RB#0	27.49	28.55	PASS
CA_7C	50RB+100RB	16QAM	21006+21150	50RB#0+100RB#0	27.5	28.55	PASS
CA_7C	50RB+100RB	64QAM	21006+21150	50RB#0+100RB#0	27.52	28.57	PASS
CA_7C	50RB+100RB	QPSK	21206+21350	50RB#0+100RB#0	27.41	28.54	PASS
CA_7C	50RB+100RB	16QAM	21206+21350	50RB#0+100RB#0	27.41	28.54	PASS
CA_7C	50RB+100RB	64QAM	21206+21350	50RB#0+100RB#0	27.44	28.60	PASS
CA_7C	75RB+50RB	QPSK	20825+20945	75RB#0+50RB#0	23.13	24.41	PASS
CA_7C	75RB+50RB	16QAM	20825+20945	75RB#0+50RB#0	23.13	24.41	PASS
CA_7C	75RB+50RB	64QAM	20825+20945	75RB#0+50RB#0	23.11	24.38	PASS
CA_7C	75RB+50RB	QPSK	21051+21171	75RB#0+50RB#0	23.1	24.38	PASS
CA_7C	75RB+50RB	16QAM	21051+21171	75RB#0+50RB#0	23.11	24.38	PASS
CA_7C	75RB+50RB	64QAM	21051+21171	75RB#0+50RB#0	23.1	24.41	PASS
CA_7C	75RB+50RB	QPSK	21277+21397	75RB#0+50RB#0	23.05	24.35	PASS
CA_7C	75RB+50RB	16QAM	21277+21397	75RB#0+50RB#0	23.05	24.37	PASS
CA_7C	75RB+50RB	64QAM	21277+21397	75RB#0+50RB#0	23.03	24.38	PASS
CA_7C	75RB+75RB	QPSK	20825+20975	75RB#0+75RB#0	28.21	29.17	PASS
CA_7C	75RB+75RB	16QAM	20825+20975	75RB#0+75RB#0	28.21	29.23	PASS
CA_7C	75RB+75RB	64QAM	20825+20975	75RB#0+75RB#0	28.21	29.18	PASS
CA_7C	75RB+75RB	QPSK	21025+21175	75RB#0+75RB#0	28.21	29.17	PASS
CA_7C	75RB+75RB	16QAM	21025+21175	75RB#0+75RB#0	28.19	29.18	PASS
CA_7C	75RB+75RB	64QAM	21025+21175	75RB#0+75RB#0	28.18	29.23	PASS
CA_7C	75RB+75RB	QPSK	21225+21375	75RB#0+75RB#0	28.13	29.18	PASS
CA_7C	75RB+75RB	16QAM	21225+21375	75RB#0+75RB#0	28.15	29.21	PASS
CA_7C	75RB+75RB	64QAM	21225+21375	75RB#0+75RB#0	28.13	29.21	PASS
CA_7C	75RB+100RB	QPSK	20828+20999	75RB#0+100RB#0	32.51	33.93	PASS
CA_7C	75RB+100RB	16QAM	20828+20999	75RB#0+100RB#0	32.51	33.91	PASS
CA_7C	75RB+100RB	64QAM	20828+20999	75RB#0+100RB#0	32.53	33.91	PASS
CA_7C	75RB+100RB	QPSK	21003+21174	75RB#0+100RB#0	32.47	33.95	PASS
CA_7C	75RB+100RB	16QAM	21003+21174	75RB#0+100RB#0	32.47	33.95	PASS
CA_7C	75RB+100RB	64QAM	21003+21174	75RB#0+100RB#0	32.47	33.91	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_7C	75RB+100RB	QPSK	21179+21350	75RB#0+100RB#0	32.39	33.91	PASS
CA_7C	75RB+100RB	16QAM	21179+21350	75RB#0+100RB#0	32.41	33.91	PASS
CA_7C	75RB+100RB	64QAM	21179+21350	75RB#0+100RB#0	32.39	33.87	PASS
CA_7C	100RB+50RB	QPSK	20850+20994	100RB#0+50RB#0	27.7	29.08	PASS
CA_7C	100RB+50RB	16QAM	20850+20994	100RB#0+50RB#0	27.68	29.08	PASS
CA_7C	100RB+50RB	64QAM	20850+20994	100RB#0+50RB#0	27.68	29.11	PASS
CA_7C	100RB+50RB	QPSK	21051+21195	100RB#0+50RB#0	27.71	29.09	PASS
CA_7C	100RB+50RB	16QAM	21051+21195	100RB#0+50RB#0	27.7	29.06	PASS
CA_7C	100RB+50RB	64QAM	21051+21195	100RB#0+50RB#0	27.68	29.09	PASS
CA_7C	100RB+50RB	QPSK	21251+21395	100RB#0+50RB#0	27.67	29.06	PASS
CA_7C	100RB+50RB	16QAM	21251+21395	100RB#0+50RB#0	27.65	29.08	PASS
CA_7C	100RB+50RB	64QAM	21251+21395	100RB#0+50RB#0	27.65	29.05	PASS
CA_7C	100RB+75RB	QPSK	20850+21021	100RB#0+75RB#0	32.57	33.97	PASS
CA_7C	100RB+75RB	16QAM	20850+21021	100RB#0+75RB#0	32.57	33.95	PASS
CA_7C	100RB+75RB	64QAM	20850+21021	100RB#0+75RB#0	32.57	33.99	PASS
CA_7C	100RB+75RB	QPSK	21026+21197	100RB#0+75RB#0	32.57	33.95	PASS
CA_7C	100RB+75RB	16QAM	21026+21197	100RB#0+75RB#0	32.57	33.93	PASS
CA_7C	100RB+75RB	64QAM	21026+21197	100RB#0+75RB#0	32.57	34.01	PASS
CA_7C	100RB+75RB	QPSK	21201+21372	100RB#0+75RB#0	32.51	33.93	PASS
CA_7C	100RB+75RB	16QAM	21201+21372	100RB#0+75RB#0	32.53	33.91	PASS
CA_7C	100RB+75RB	64QAM	21201+21372	100RB#0+75RB#0	32.49	33.93	PASS
CA_7C	100RB+100RB	QPSK	20850+21048	100RB#0+100RB#0	37.37	38.87	PASS
CA_7C	100RB+100RB	16QAM	20850+21048	100RB#0+100RB#0	37.39	38.85	PASS
CA_7C	100RB+100RB	64QAM	20850+21048	100RB#0+100RB#0	37.37	38.89	PASS
CA_7C	100RB+100RB	QPSK	21001+21199	100RB#0+100RB#0	37.35	38.87	PASS
CA_7C	100RB+100RB	16QAM	21001+21199	100RB#0+100RB#0	37.39	38.87	PASS
CA_7C	100RB+100RB	64QAM	21001+21199	100RB#0+100RB#0	37.37	38.89	PASS
CA_7C	100RB+100RB	QPSK	21152+21350	100RB#0+100RB#0	37.31	38.89	PASS
CA_7C	100RB+100RB	16QAM	21152+21350	100RB#0+100RB#0	37.31	38.87	PASS
CA_7C	100RB+100RB	64QAM	21152+21350	100RB#0+100RB#0	37.31	38.87	PASS

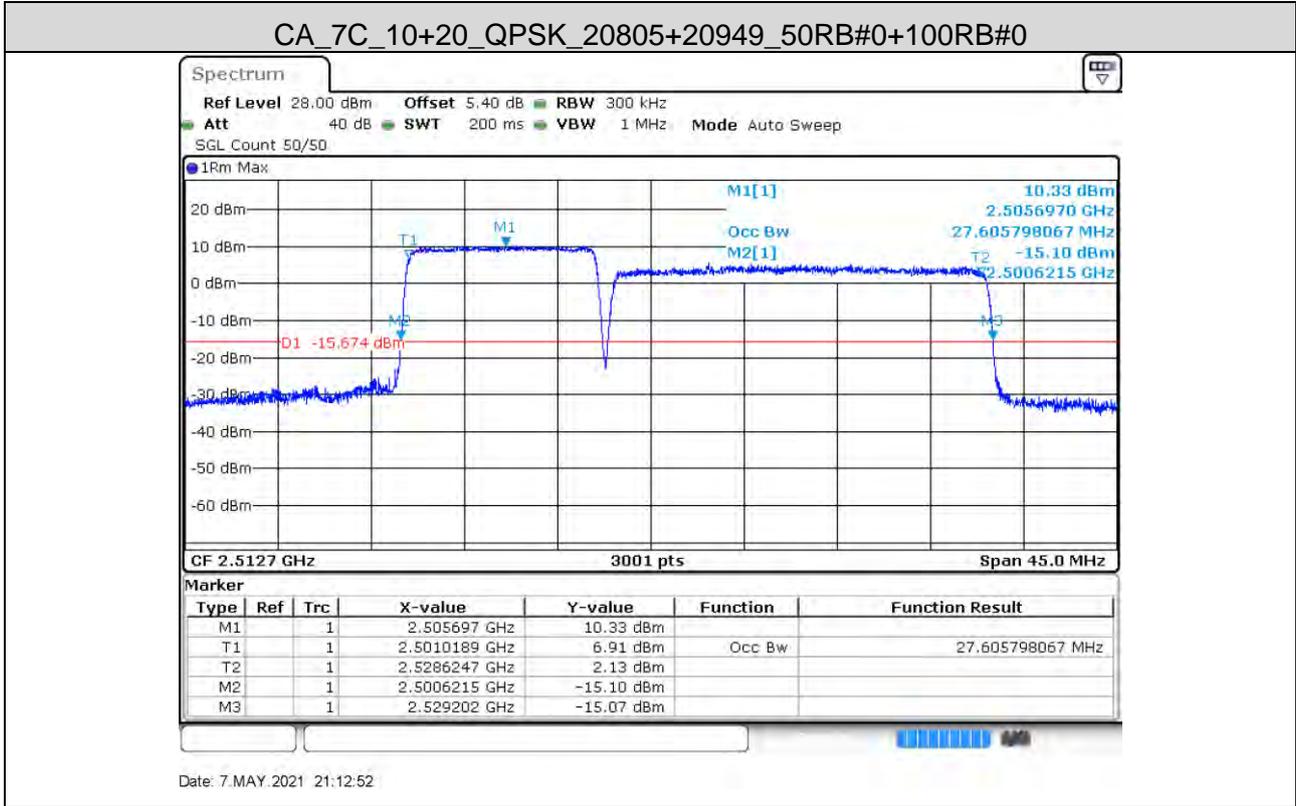


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

### 4.1 For LTE

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

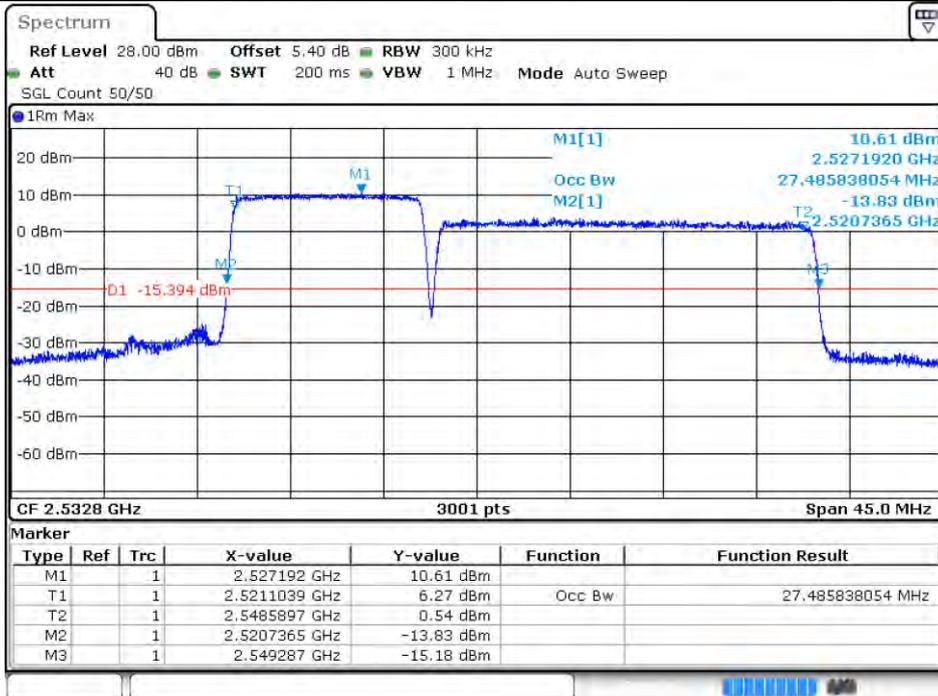


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

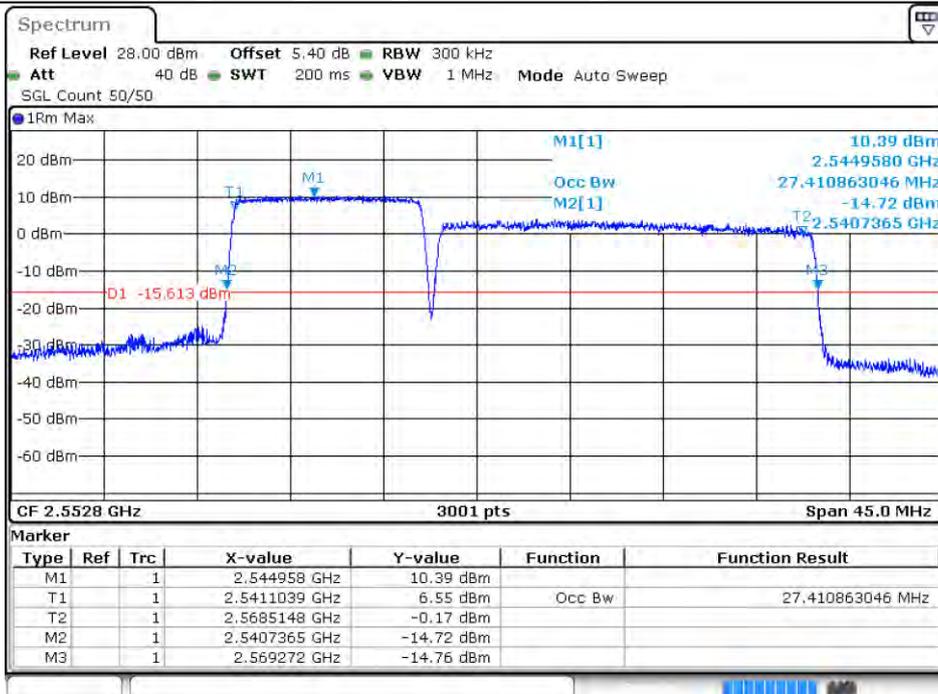
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**CA\_7C\_10+20\_QPSK\_21006+21150\_50RB#0+100RB#0**



Date: 7.MAY.2021 21:13:45

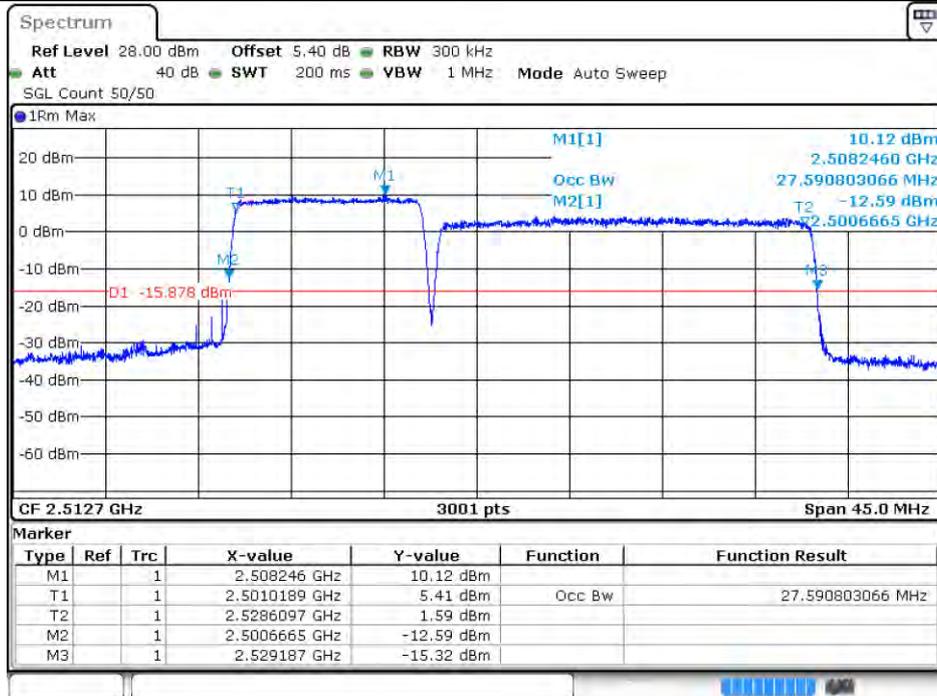
**CA\_7C\_10+20\_QPSK\_21206+21350\_50RB#0+100RB#0**



Date: 7.MAY.2021 21:14:36

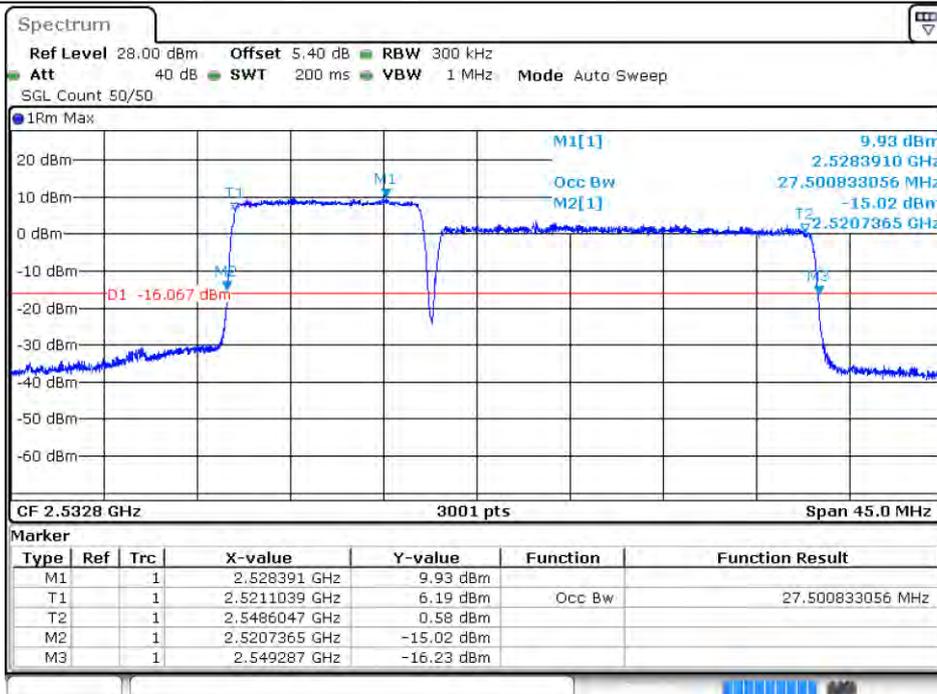


CA\_7C\_10+20\_16QAM\_20805+20949\_50RB#0+100RB#0



Date: 7.MAY.2021 21:13:09

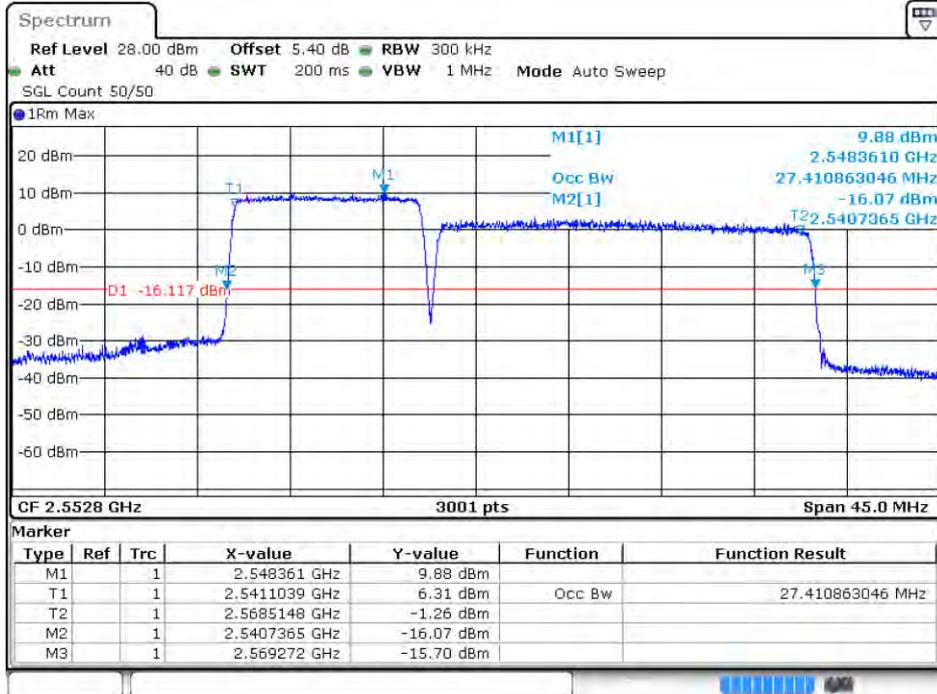
CA\_7C\_10+20\_16QAM\_21006+21150\_50RB#0+100RB#0



Date: 7.MAY.2021 21:14:01

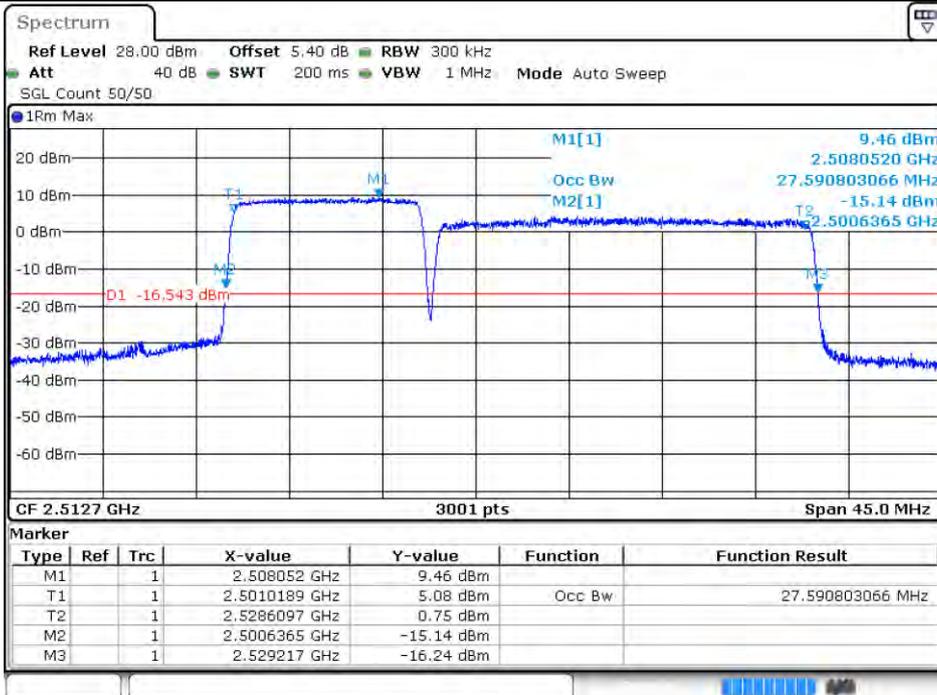


CA\_7C\_10+20\_16QAM\_21206+21350\_50RB#0+100RB#0



Date: 7.MAY.2021 21:14:53

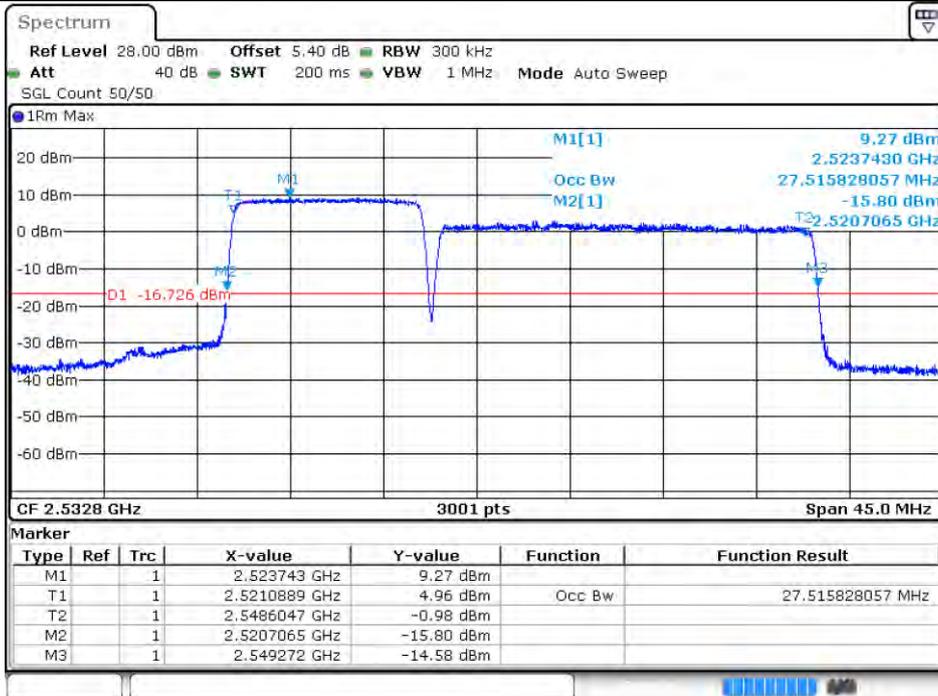
CA\_7C\_10+20\_64QAM\_20805+20949\_50RB#0+100RB#0



Date: 7.MAY.2021 21:13:27

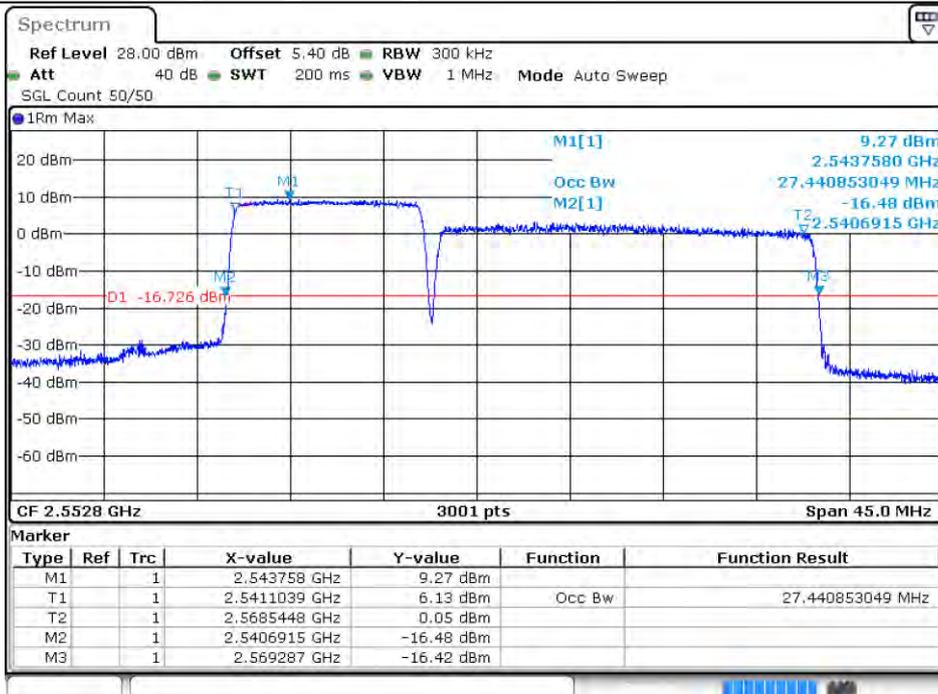


CA\_7C\_10+20\_64QAM\_21006+21150\_50RB#0+100RB#0



Date: 7.MAY.2021 21:14:18

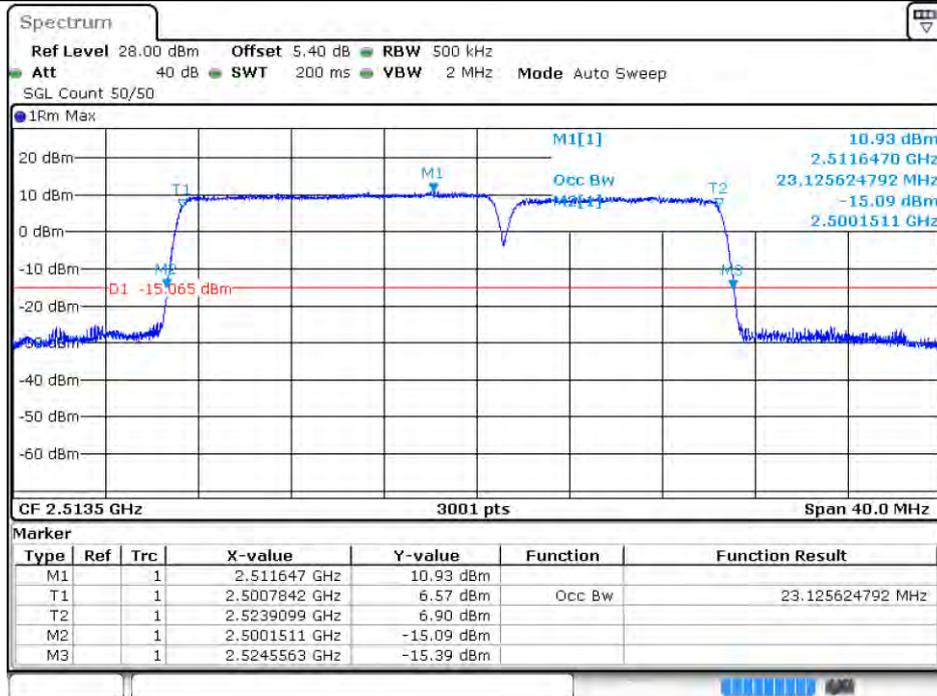
CA\_7C\_10+20\_64QAM\_21206+21350\_50RB#0+100RB#0



Date: 7.MAY.2021 21:15:09

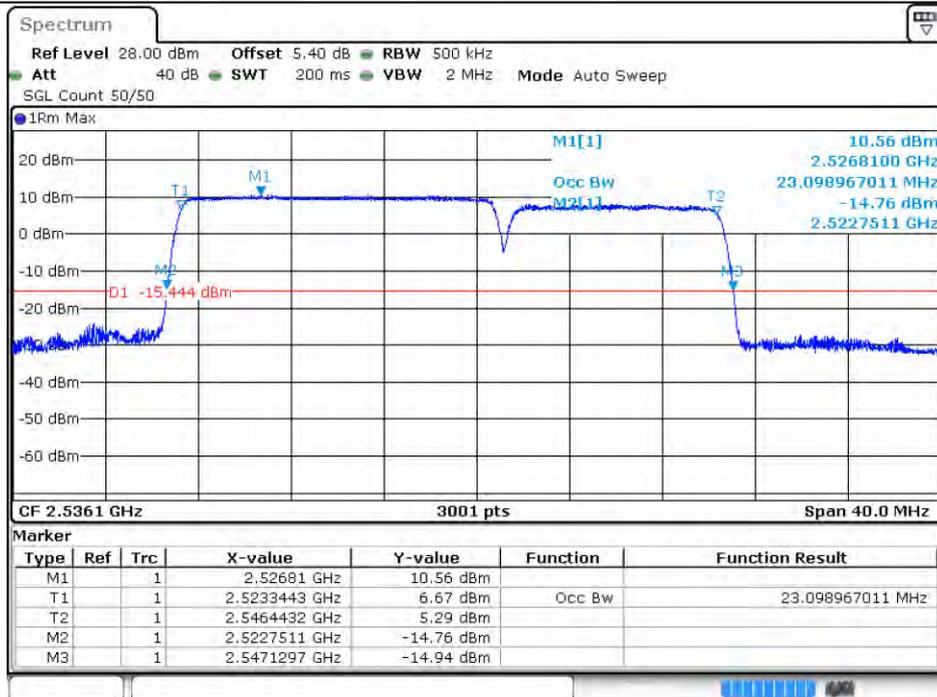


**CA\_7C\_15+10\_QPSK\_20825+20945\_75RB#0+50RB#0**



Date: 7.MAY.2021 21:21:21

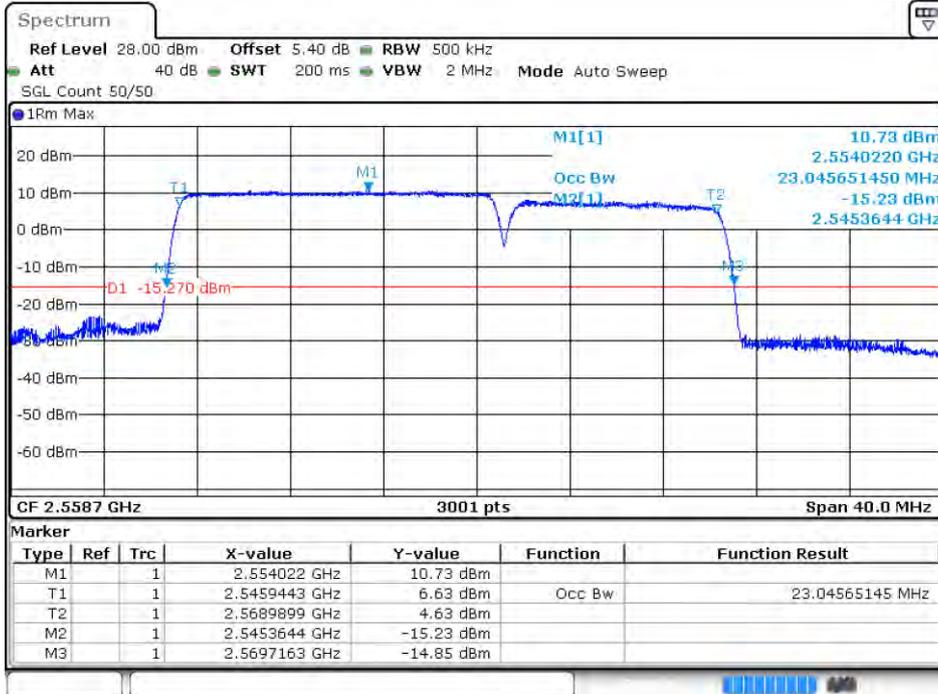
**CA\_7C\_15+10\_QPSK\_21051+21171\_75RB#0+50RB#0**



Date: 7.MAY.2021 21:22:14

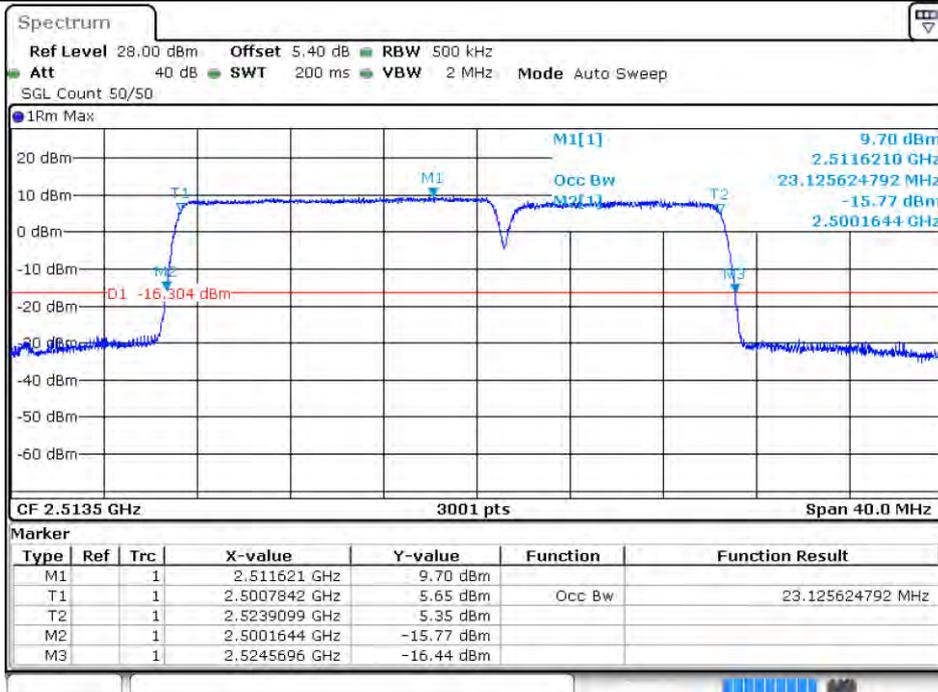


**CA\_7C\_15+10\_QPSK\_21277+21397\_75RB#0+50RB#0**



Date: 7.MAY.2021 21:23:07

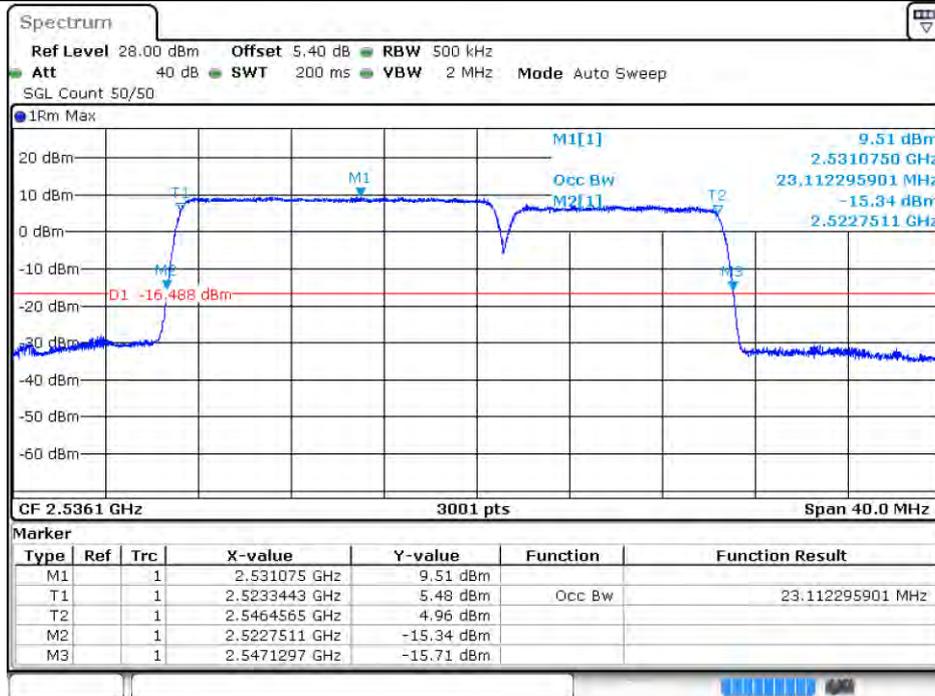
**CA\_7C\_15+10\_16QAM\_20825+20945\_75RB#0+50RB#0**



Date: 7.MAY.2021 21:21:38

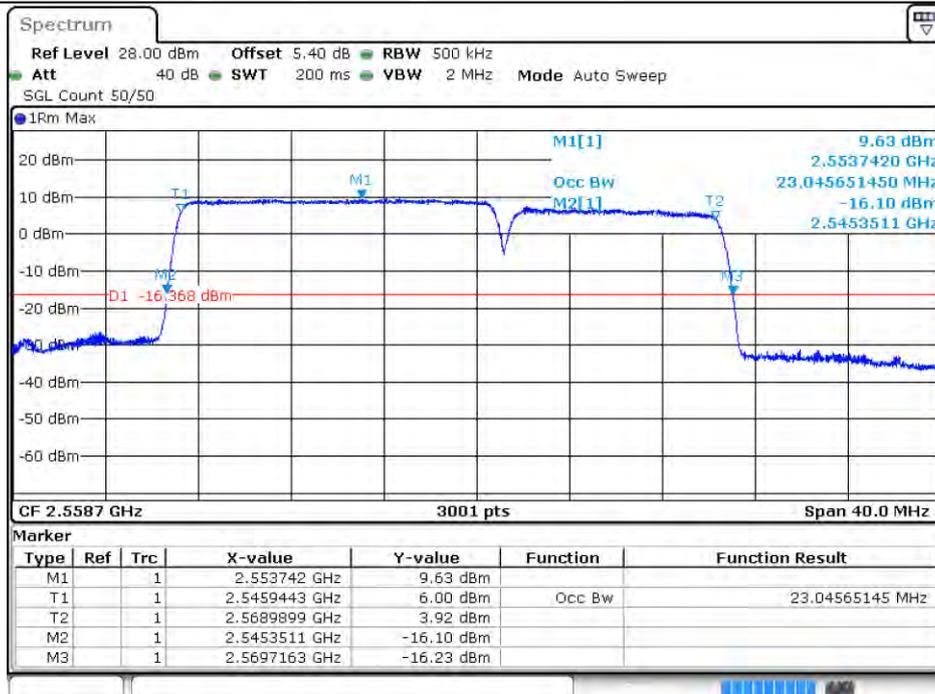


**CA\_7C\_15+10\_16QAM\_21051+21171\_75RB#0+50RB#0**



Date: 7.MAY.2021 21:22:31

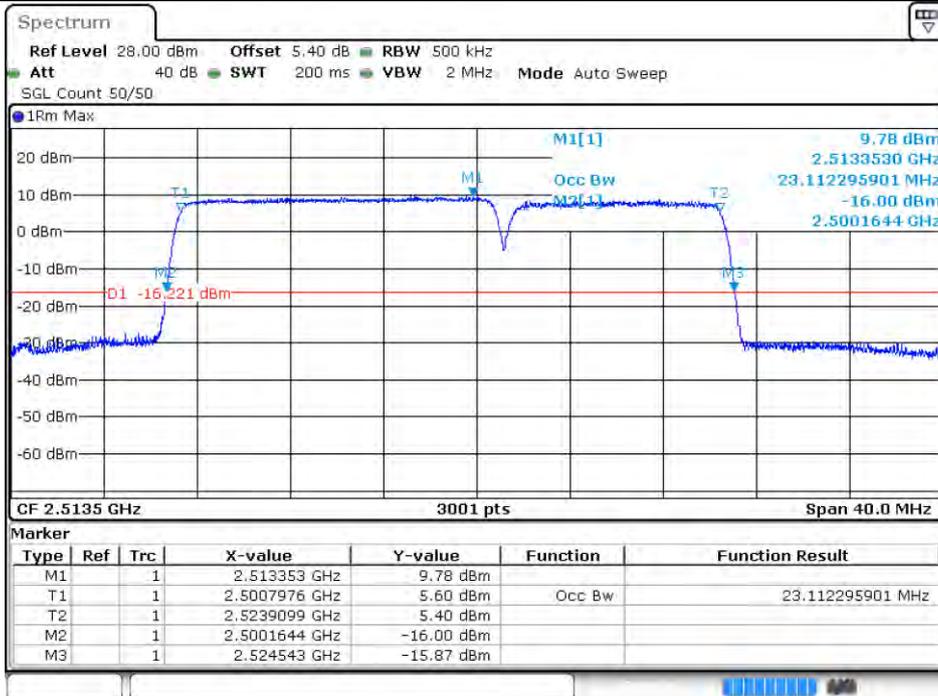
**CA\_7C\_15+10\_16QAM\_21277+21397\_75RB#0+50RB#0**



Date: 7.MAY.2021 21:23:24

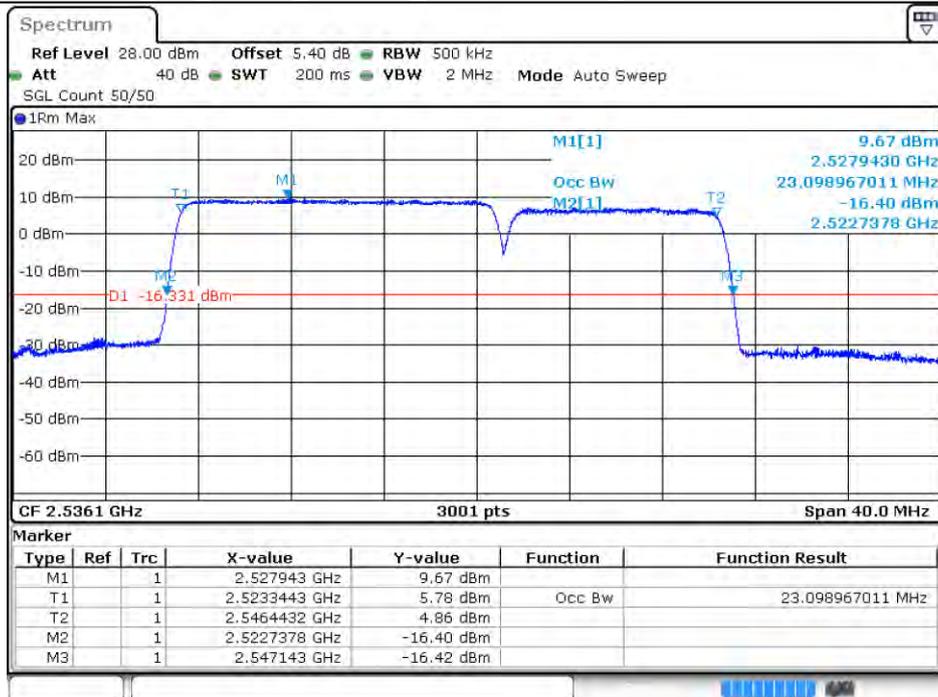


**CA\_7C\_15+10\_64QAM\_20825+20945\_75RB#0+50RB#0**



Date: 7.MAY.2021 21:21:55

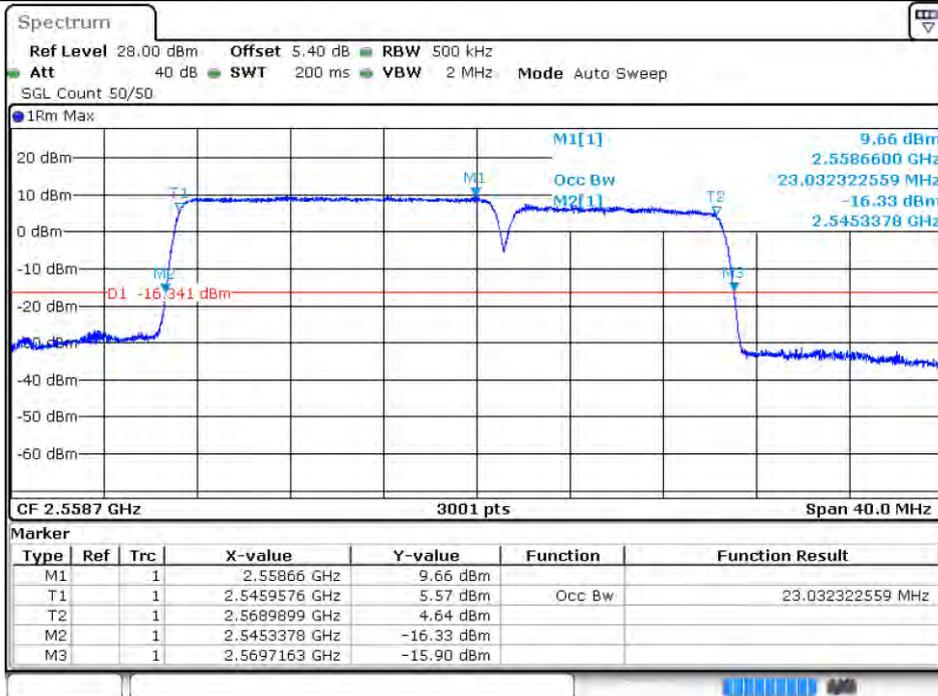
**CA\_7C\_15+10\_64QAM\_21051+21171\_75RB#0+50RB#0**



Date: 7.MAY.2021 21:22:48

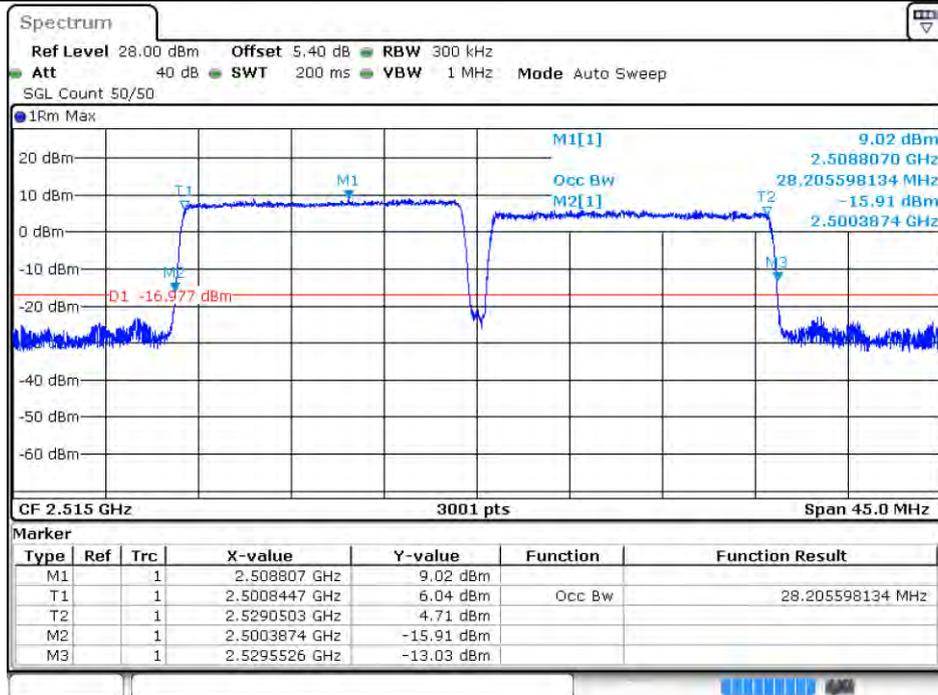


**CA\_7C\_15+10\_64QAM\_21277+21397\_75RB#0+50RB#0**



Date: 7.MAY.2021 21:23:41

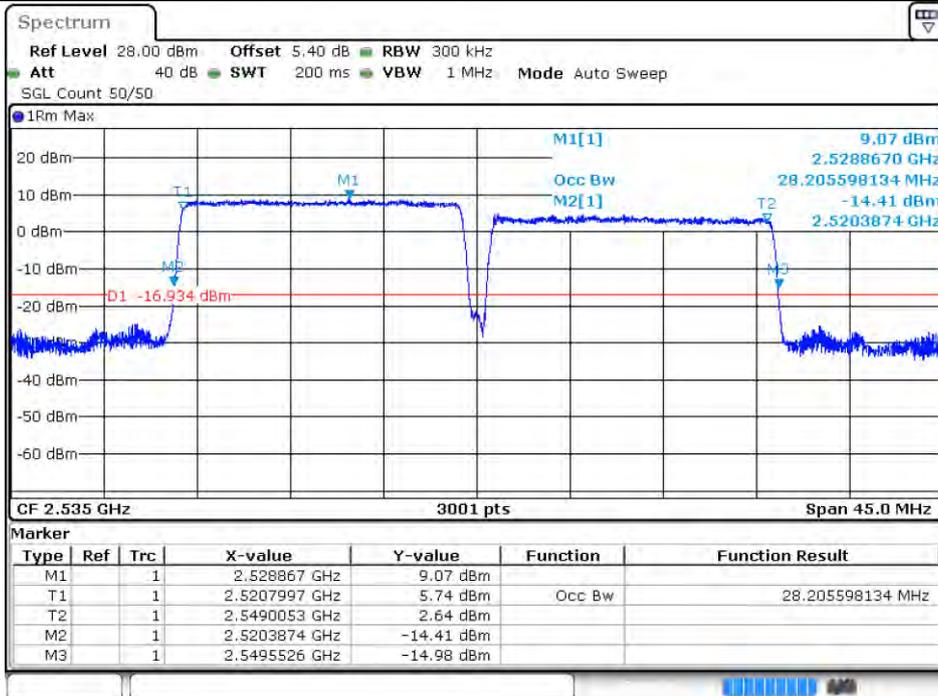
**CA\_7C\_15+15\_QPSK\_20825+20975\_75RB#0+75RB#0**



Date: 7.MAY.2021 21:24:20

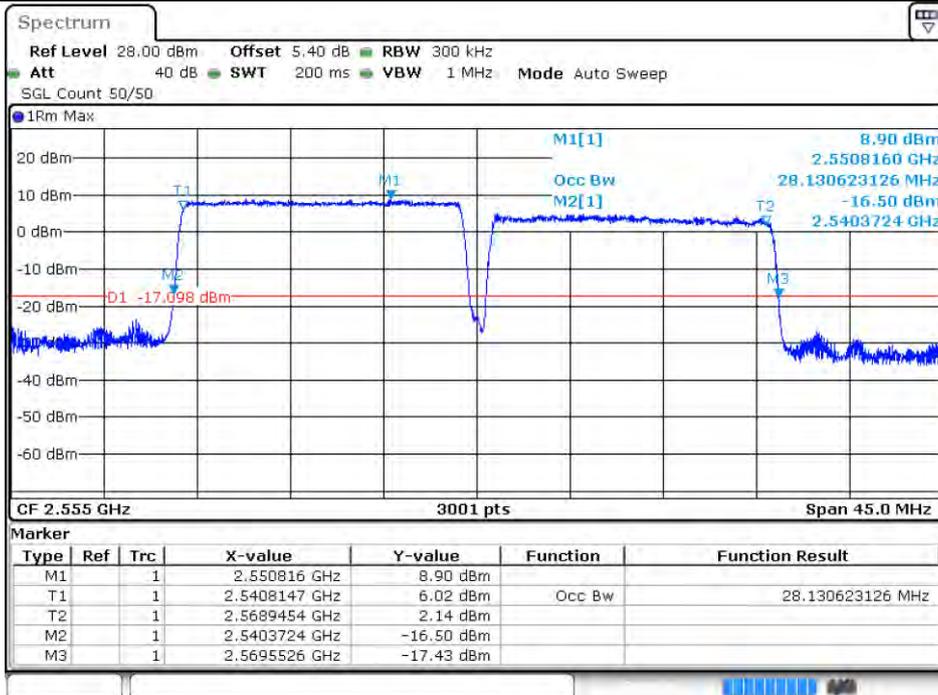


**CA\_7C\_15+15\_QPSK\_21025+21175\_75RB#0+75RB#0**



Date: 7.MAY.2021 21:25:31

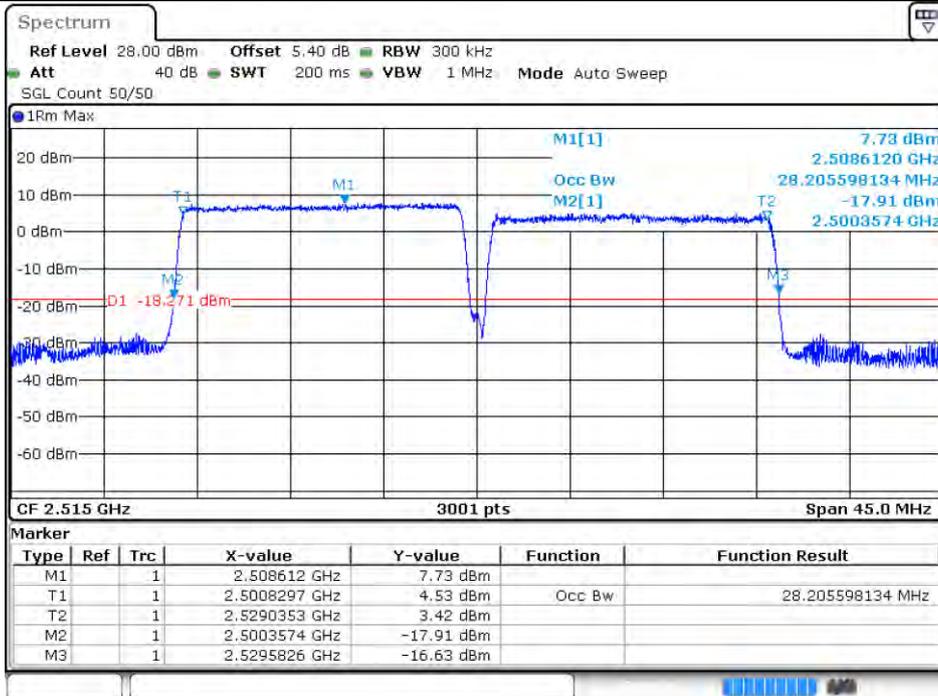
**CA\_7C\_15+15\_QPSK\_21225+21375\_75RB#0+75RB#0**



Date: 7.MAY.2021 21:40:26

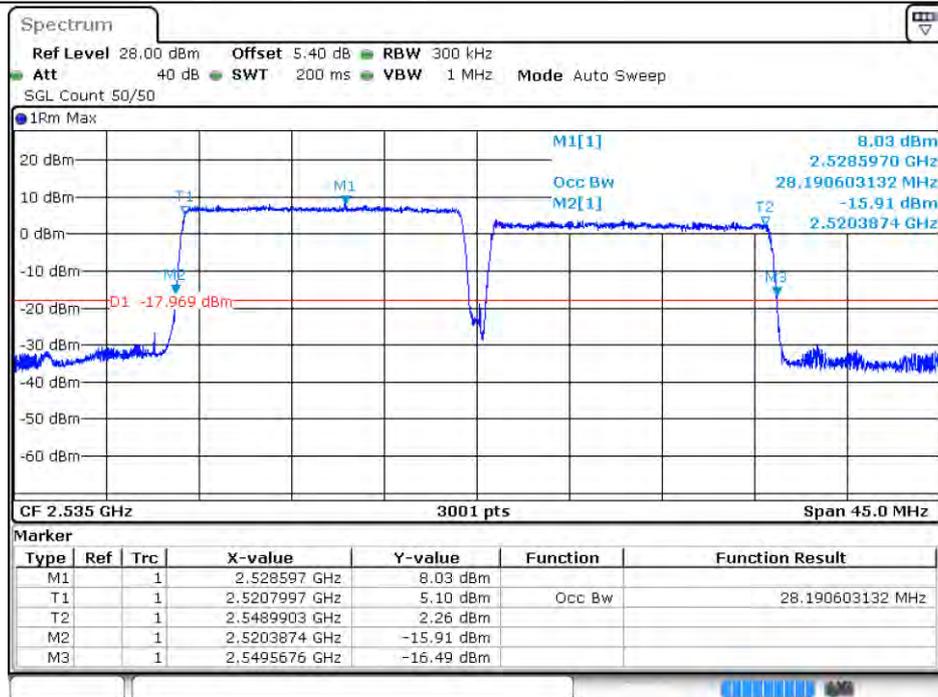


CA\_7C\_15+15\_16QAM\_20825+20975\_75RB#0+75RB#0



Date: 7.MAY.2021 21:24:37

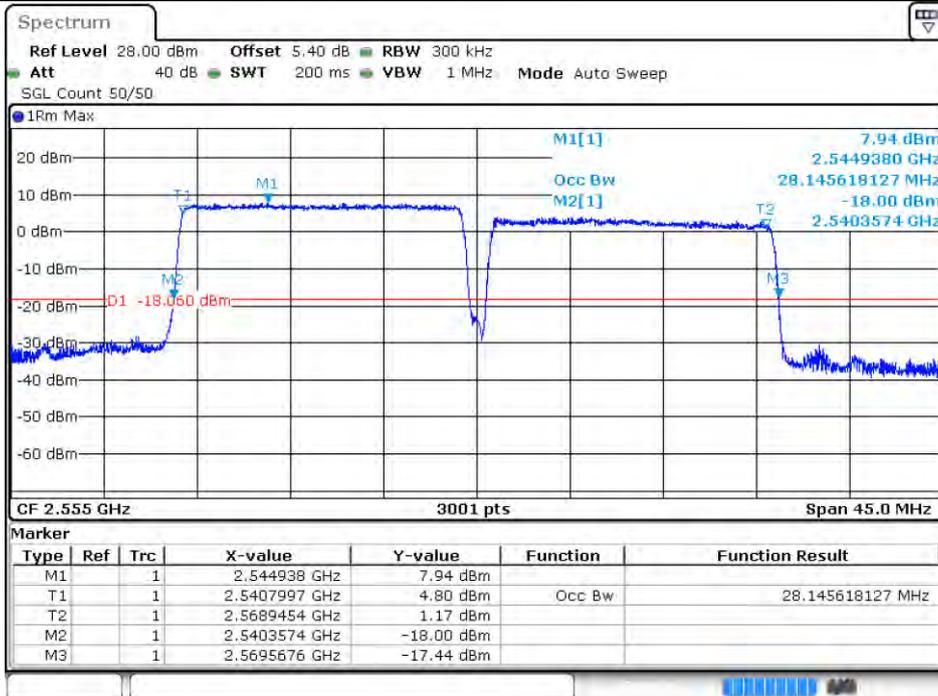
CA\_7C\_15+15\_16QAM\_21025+21175\_75RB#0+75RB#0



Date: 7.MAY.2021 21:25:48

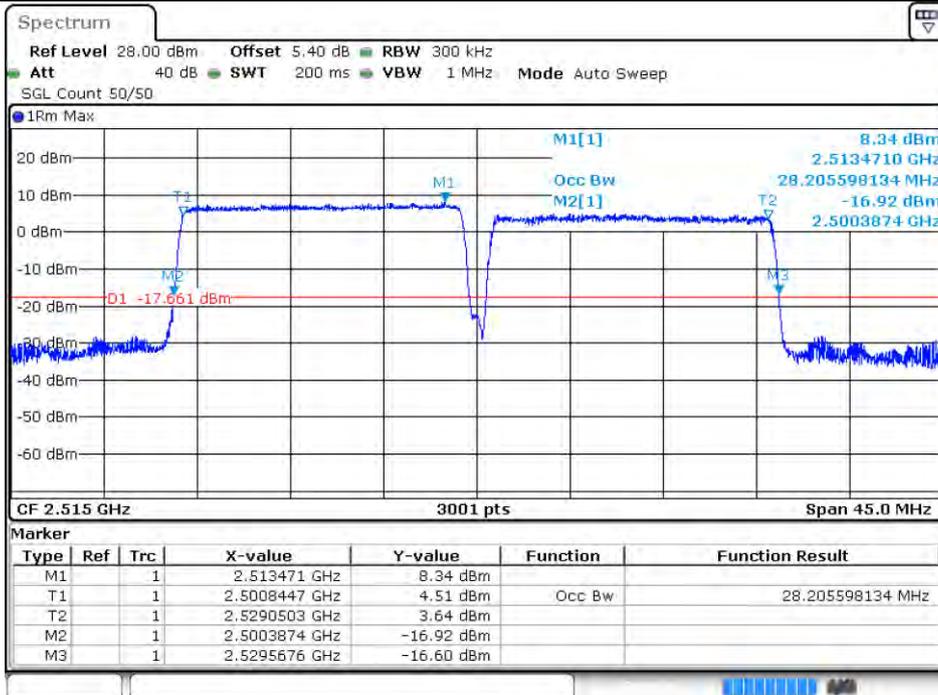


**CA\_7C\_15+15\_16QAM\_21225+21375\_75RB#0+75RB#0**



Date: 7.MAY.2021 21:40:42

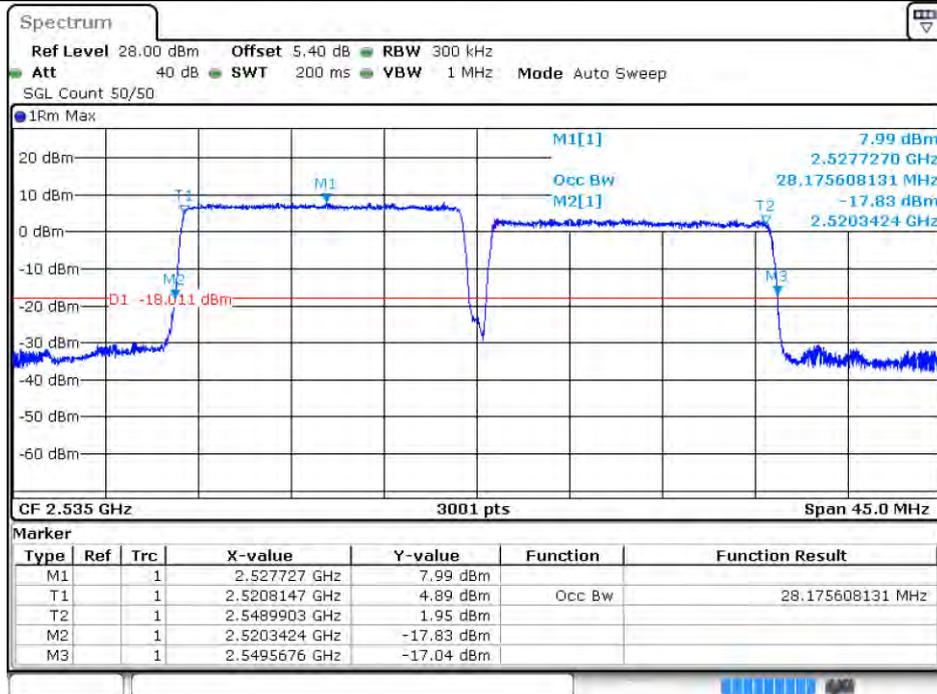
**CA\_7C\_15+15\_64QAM\_20825+20975\_75RB#0+75RB#0**



Date: 7.MAY.2021 21:24:56

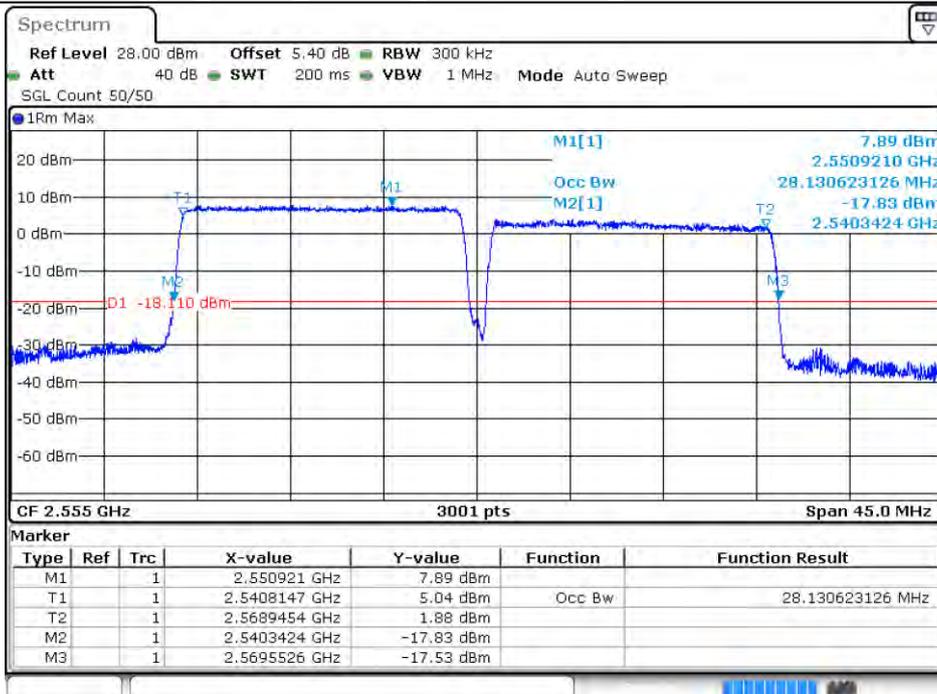


**CA\_7C\_15+15\_64QAM\_21025+21175\_75RB#0+75RB#0**



Date: 7.MAY.2021 21:26:04

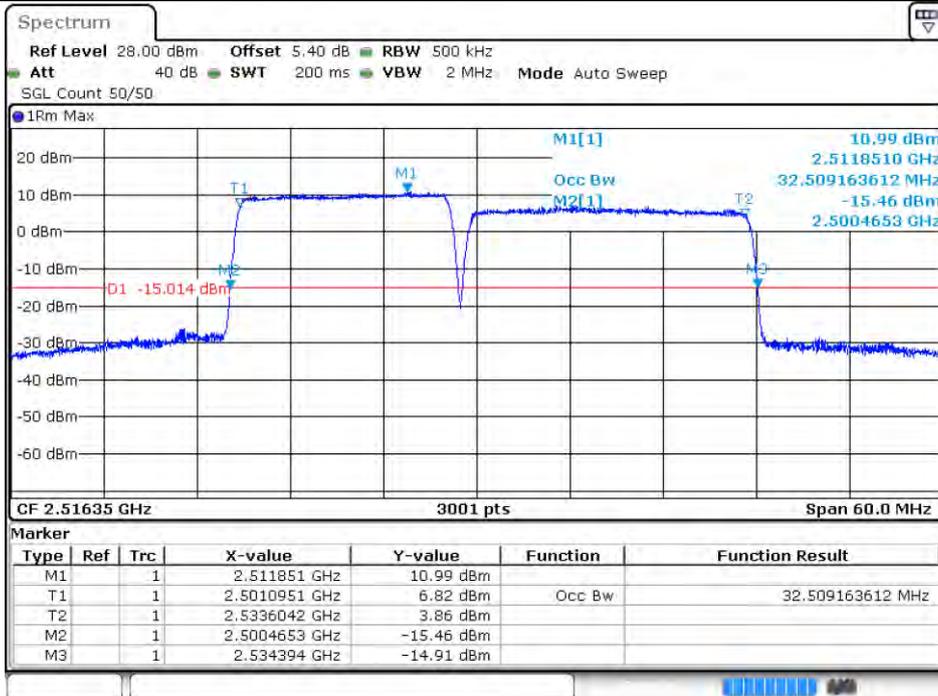
**CA\_7C\_15+15\_64QAM\_21225+21375\_75RB#0+75RB#0**



Date: 7.MAY.2021 21:40:58

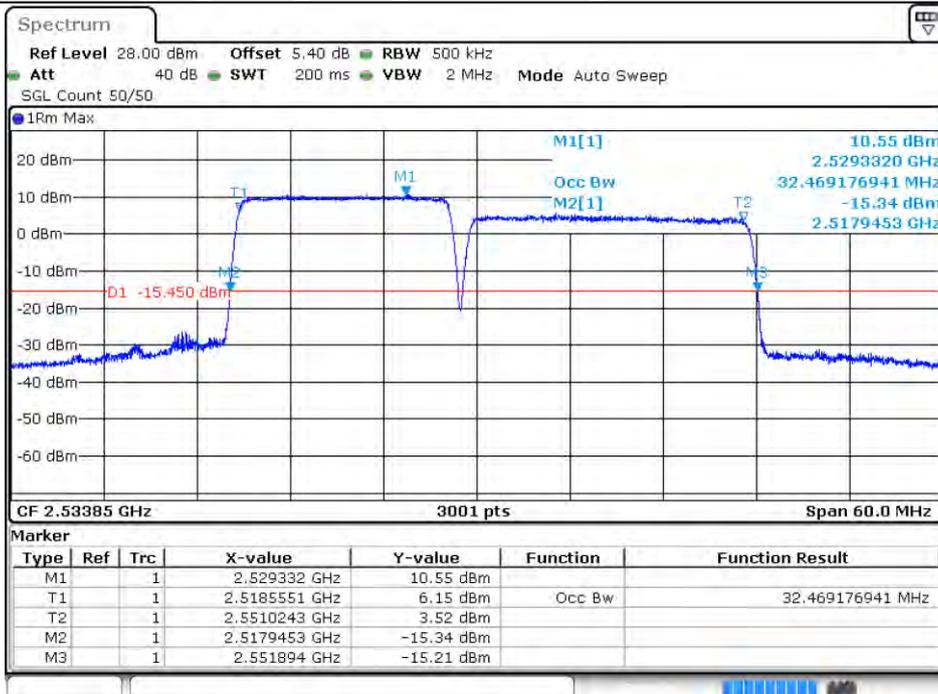


**CA\_7C\_15+20\_QPSK\_20828+20999\_75RB#0+100RB#0**



Date: 7.MAY.2021 21:41:39

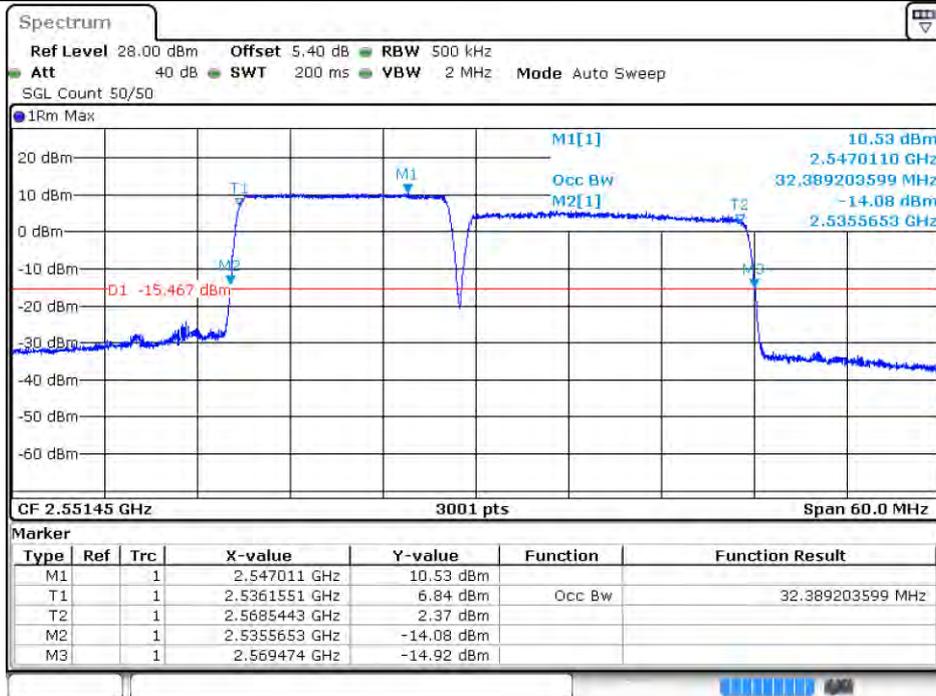
**CA\_7C\_15+20\_QPSK\_21003+21174\_75RB#0+100RB#0**



Date: 7.MAY.2021 21:43:02

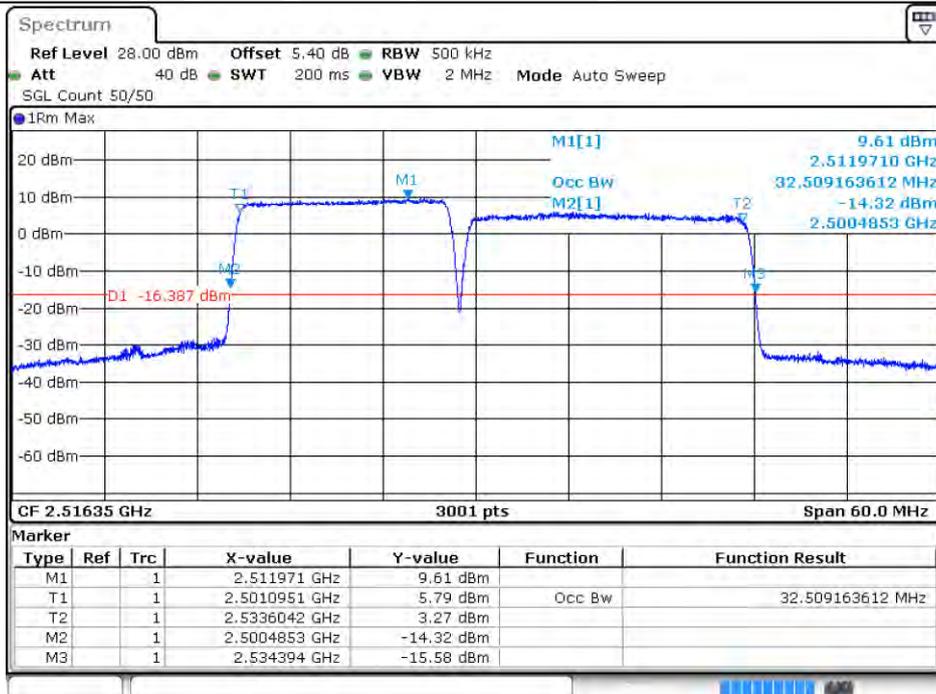


**CA\_7C\_15+20\_QPSK\_21179+21350\_75RB#0+100RB#0**



Date: 7.MAY.2021 21:44:40

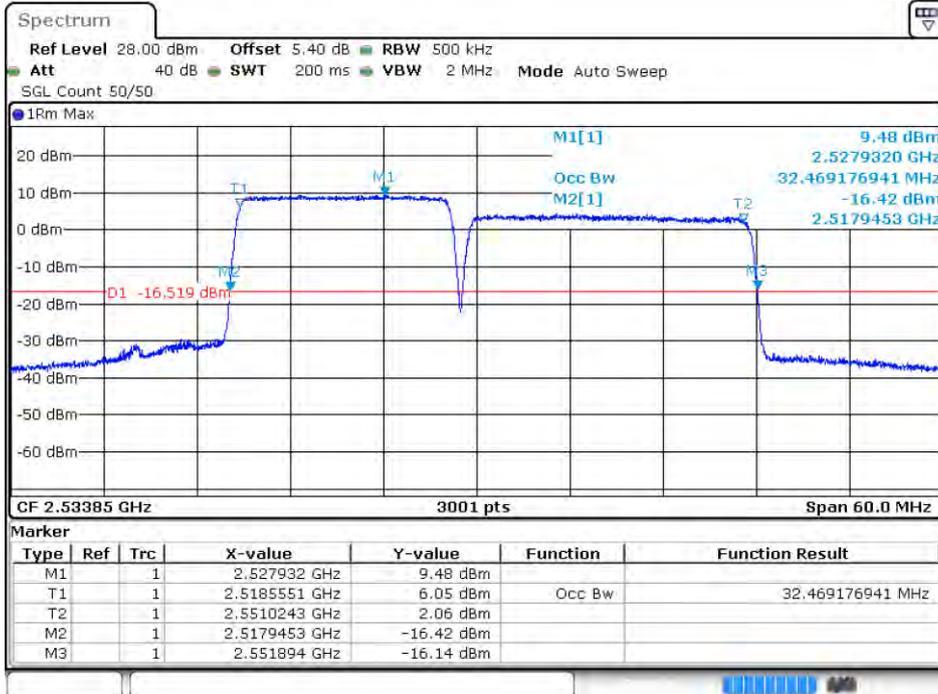
**CA\_7C\_15+20\_16QAM\_20828+20999\_75RB#0+100RB#0**



Date: 7.MAY.2021 21:42:02

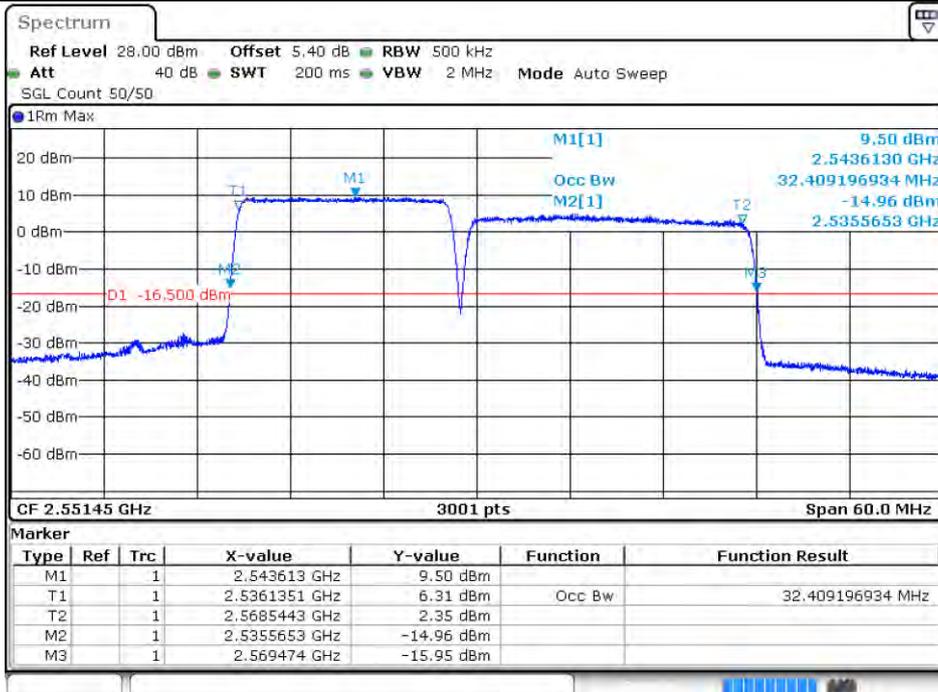


CA\_7C\_15+20\_16QAM\_21003+21174\_75RB#0+100RB#0



Date: 7.MAY.2021 21:43:20

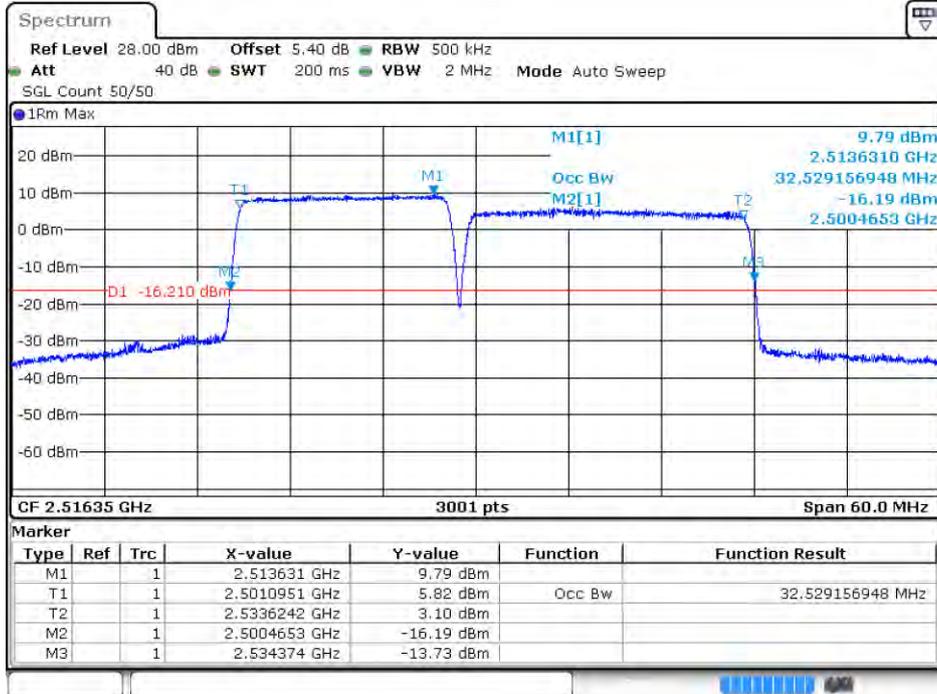
CA\_7C\_15+20\_16QAM\_21179+21350\_75RB#0+100RB#0



Date: 7.MAY.2021 21:44:58

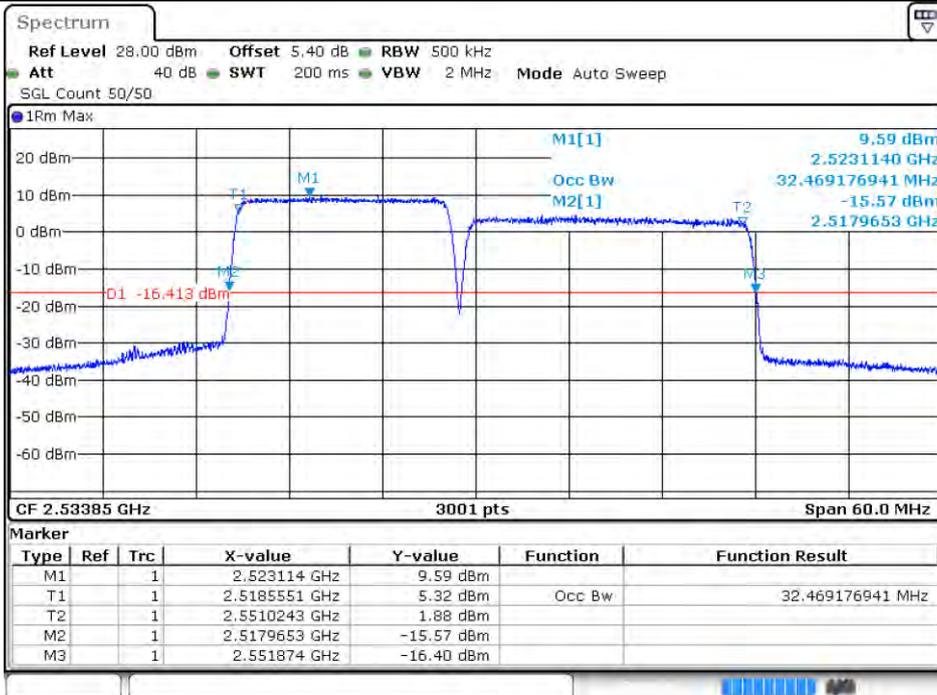


CA\_7C\_15+20\_64QAM\_20828+20999\_75RB#0+100RB#0



Date: 7.MAY.2021 21:42:20

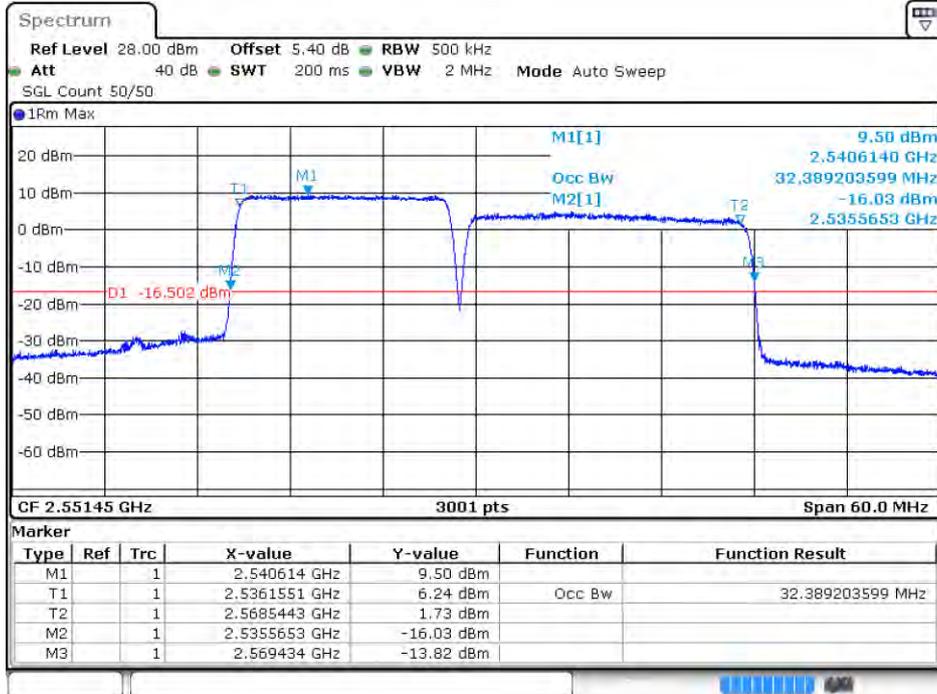
CA\_7C\_15+20\_64QAM\_21003+21174\_75RB#0+100RB#0



Date: 7.MAY.2021 21:43:38

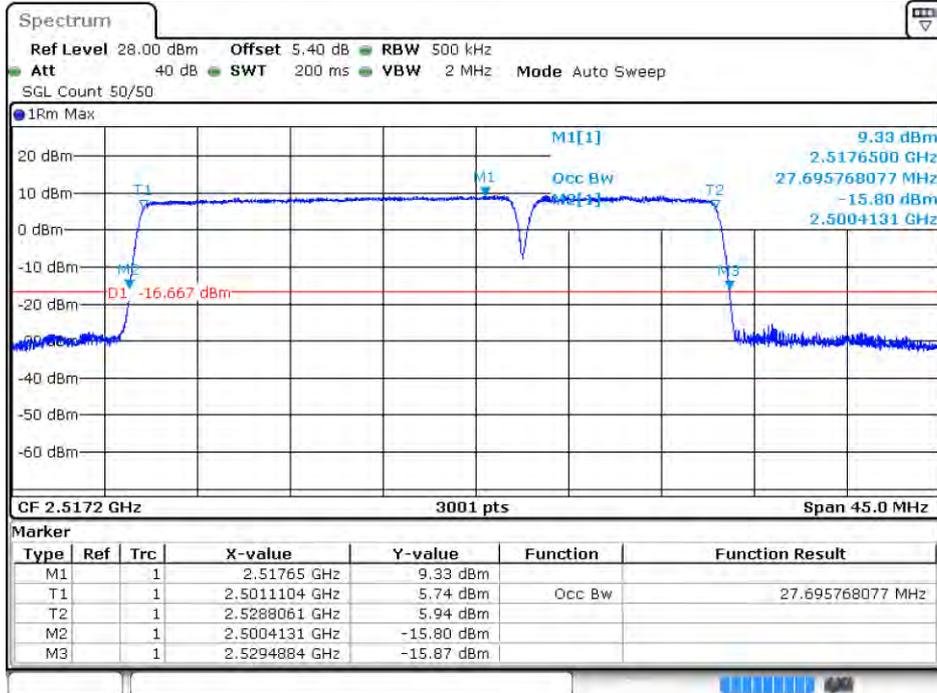


CA\_7C\_15+20\_64QAM\_21179+21350\_75RB#0+100RB#0



Date: 7.MAY.2021 21:45:18

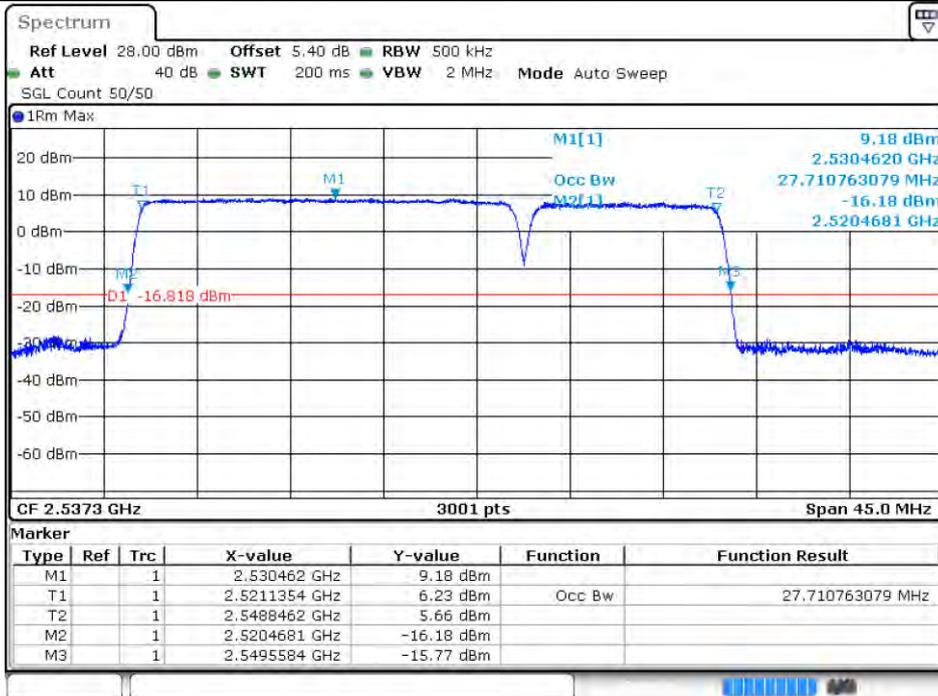
CA\_7C\_20+10\_QPSK\_20850+20994\_100RB#0+50RB#0



Date: 7.MAY.2021 21:16:35

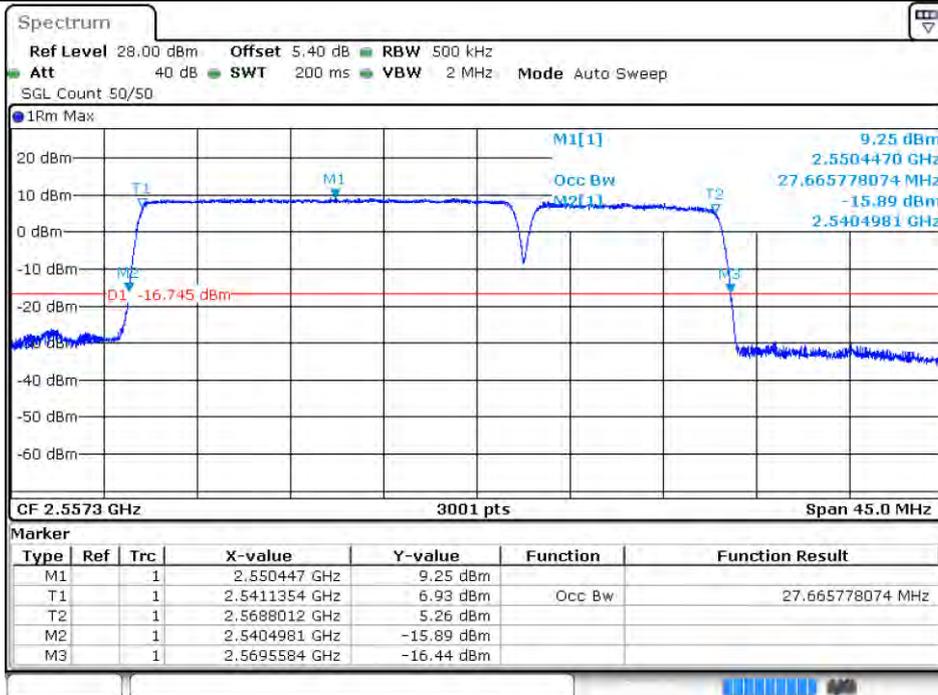


**CA\_7C\_20+10\_QPSK\_21051+21195\_100RB#0+50RB#0**



Date: 7.MAY.2021 21:18:09

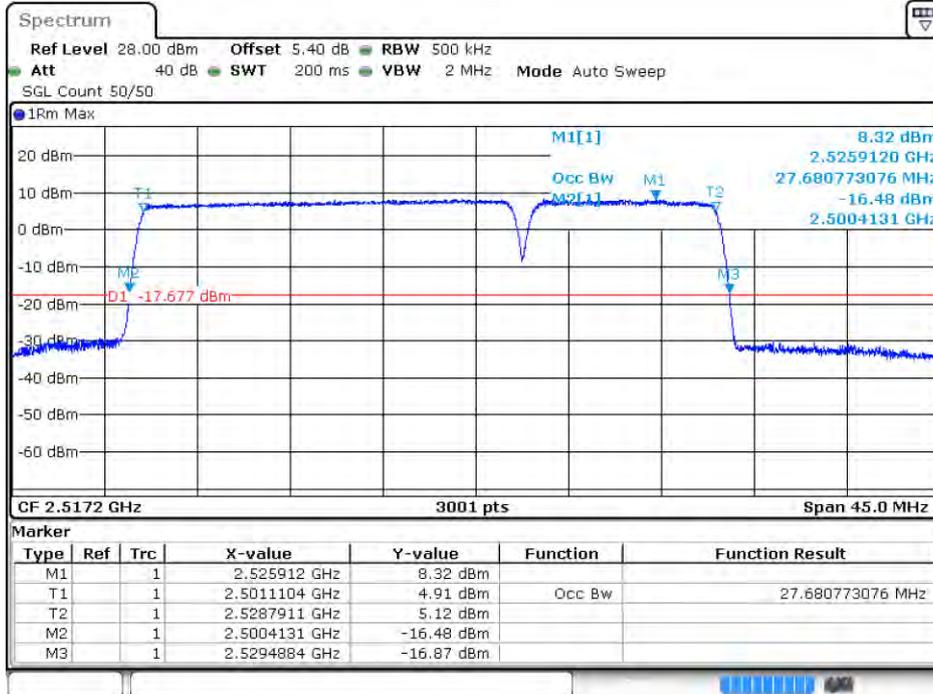
**CA\_7C\_20+10\_QPSK\_21251+21395\_100RB#0+50RB#0**



Date: 7.MAY.2021 21:20:04

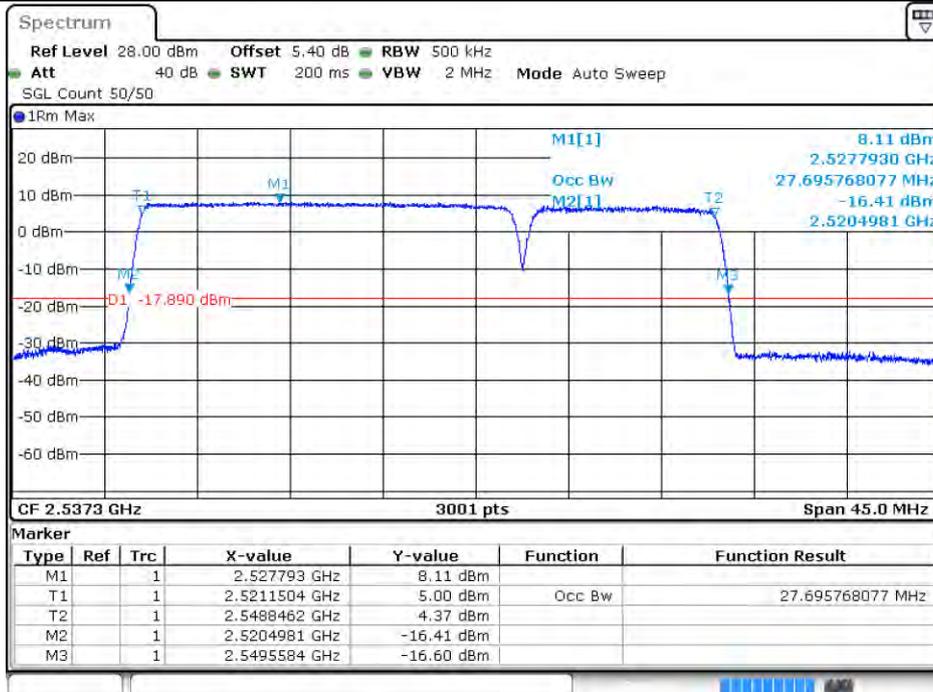


CA\_7C\_20+10\_16QAM\_20850+20994\_100RB#0+50RB#0



Date: 7.MAY.2021 21:16:51

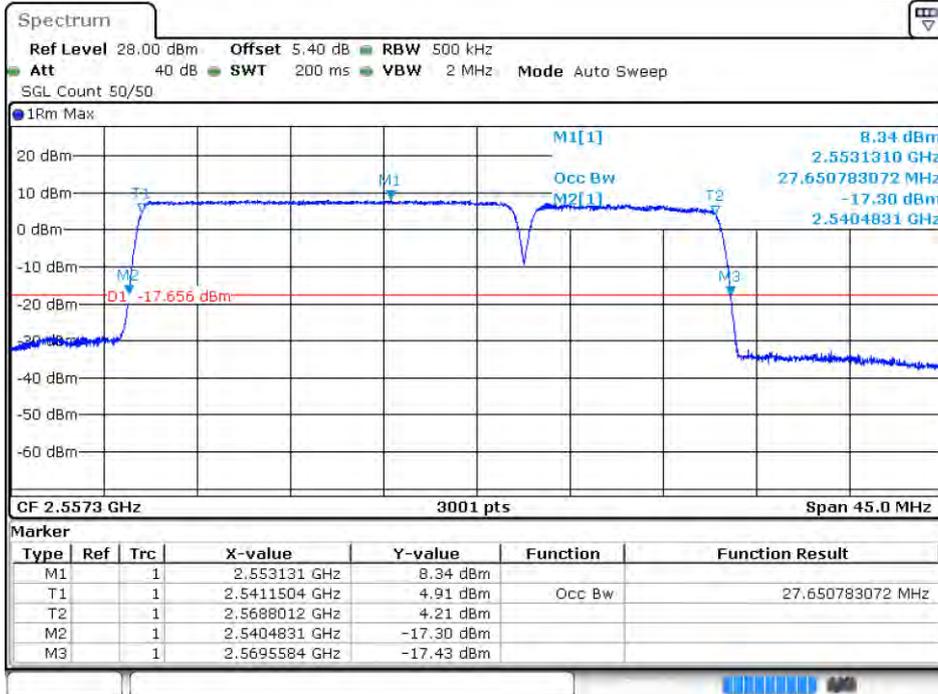
CA\_7C\_20+10\_16QAM\_21051+21195\_100RB#0+50RB#0



Date: 7.MAY.2021 21:18:26

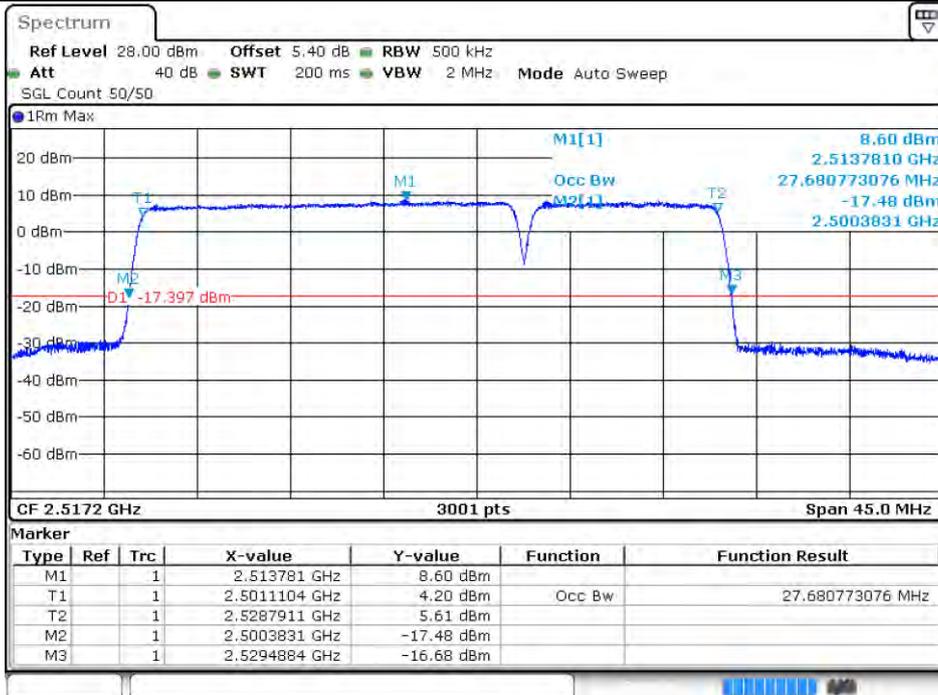


**CA\_7C\_20+10\_16QAM\_21251+21395\_100RB#0+50RB#0**



Date: 7.MAY.2021 21:20:20

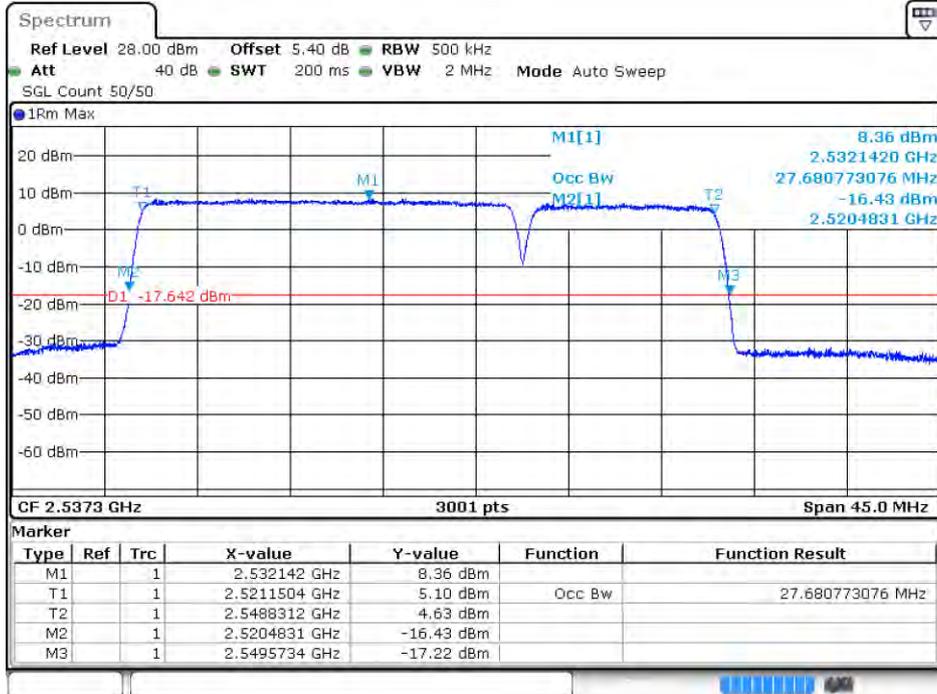
**CA\_7C\_20+10\_64QAM\_20850+20994\_100RB#0+50RB#0**



Date: 7.MAY.2021 21:17:09

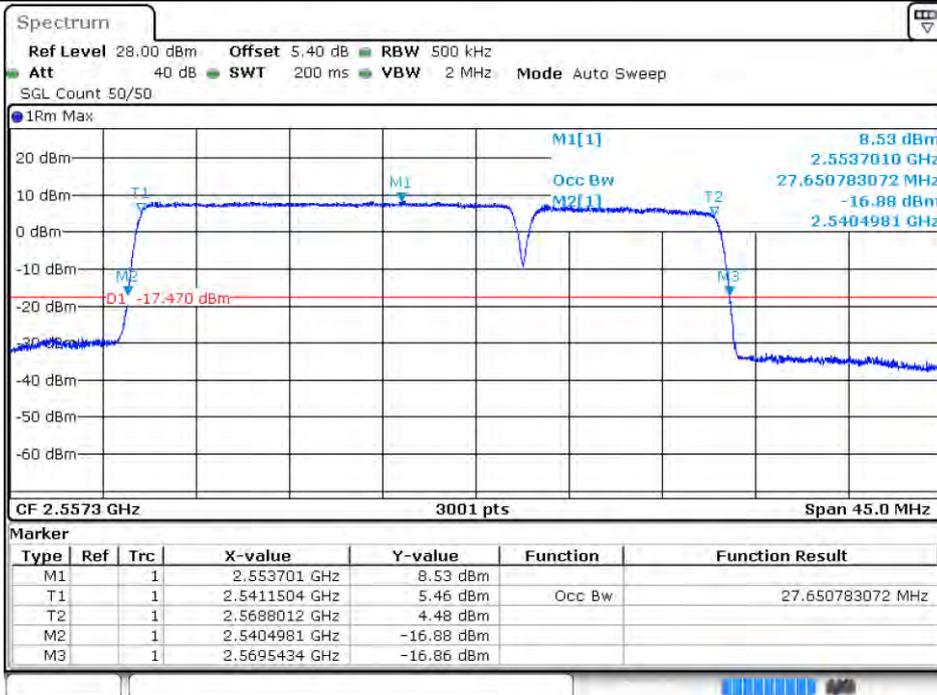


**CA\_7C\_20+10\_64QAM\_21051+21195\_100RB#0+50RB#0**



Date: 7 MAY 2021 21:18:42

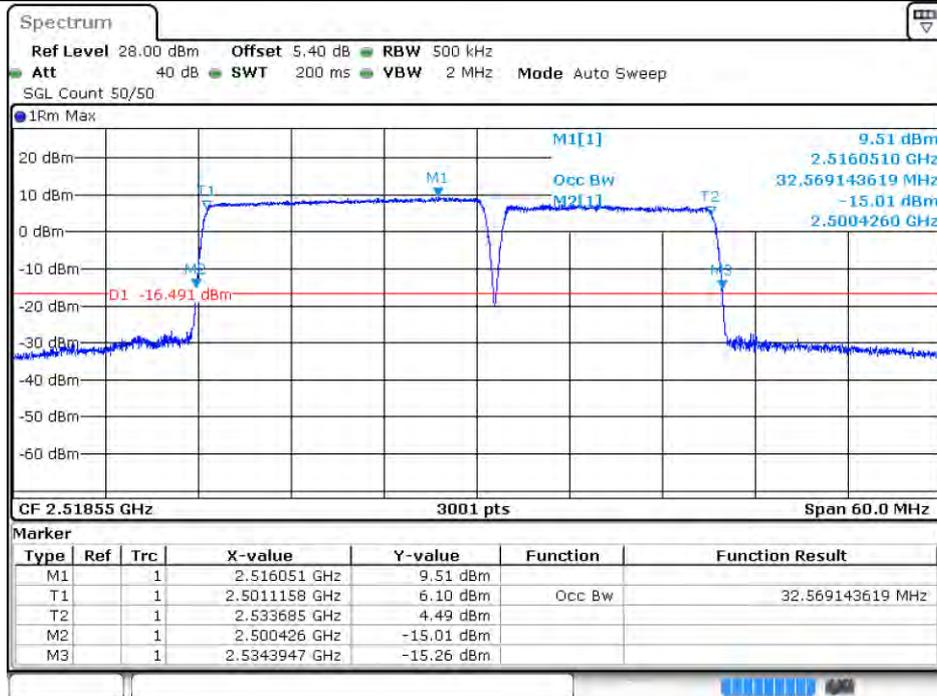
**CA\_7C\_20+10\_64QAM\_21251+21395\_100RB#0+50RB#0**



Date: 7 MAY 2021 21:20:37

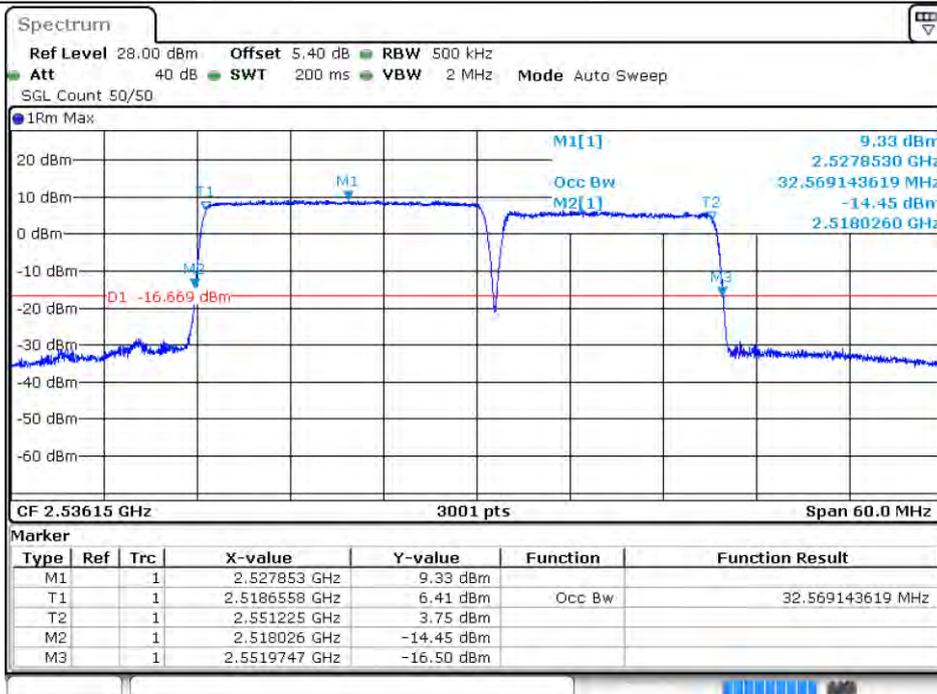


CA\_7C\_20+15\_QPSK\_20850+21021\_100RB#0+75RB#0



Date: 7.MAY.2021 21:45:59

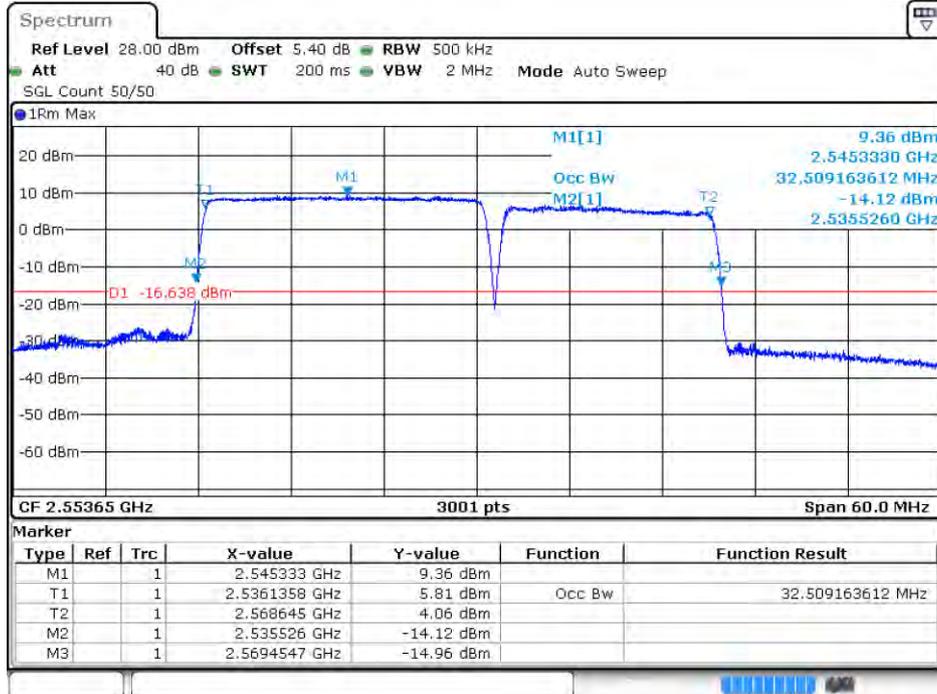
CA\_7C\_20+15\_QPSK\_21026+21197\_100RB#0+75RB#0



Date: 7.MAY.2021 21:47:11

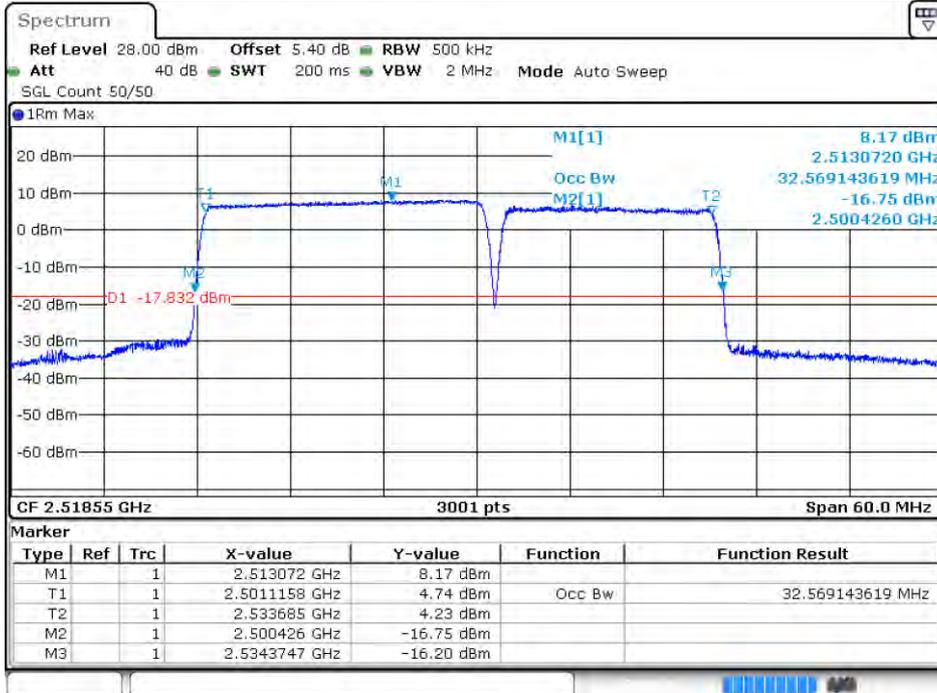


**CA\_7C\_20+15\_QPSK\_21201+21372\_100RB#0+75RB#0**



Date: 7.MAY.2021 21:48:41

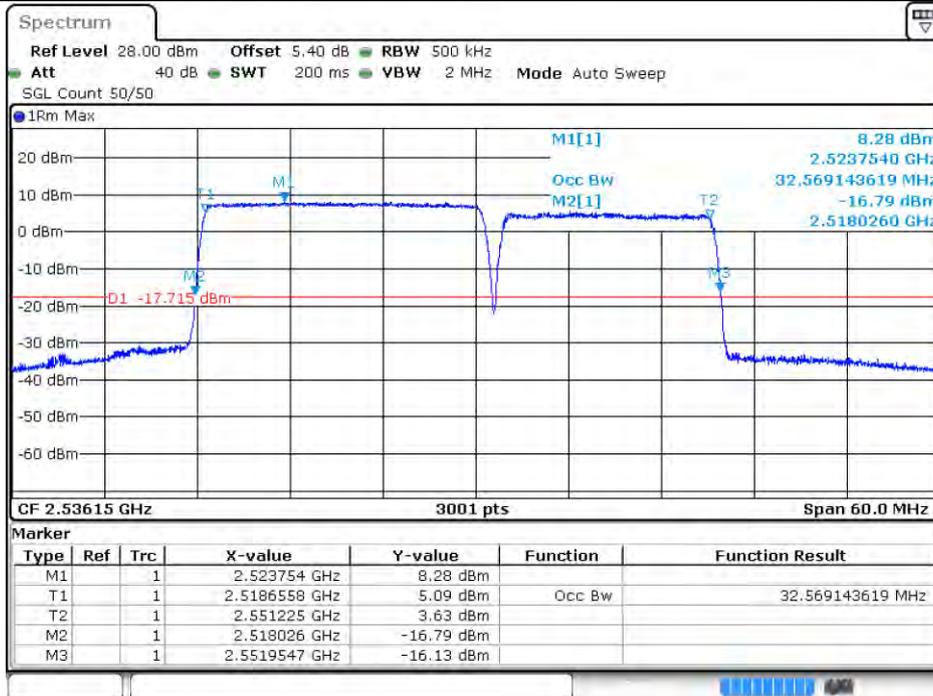
**CA\_7C\_20+15\_16QAM\_20850+21021\_100RB#0+75RB#0**



Date: 7.MAY.2021 21:46:17

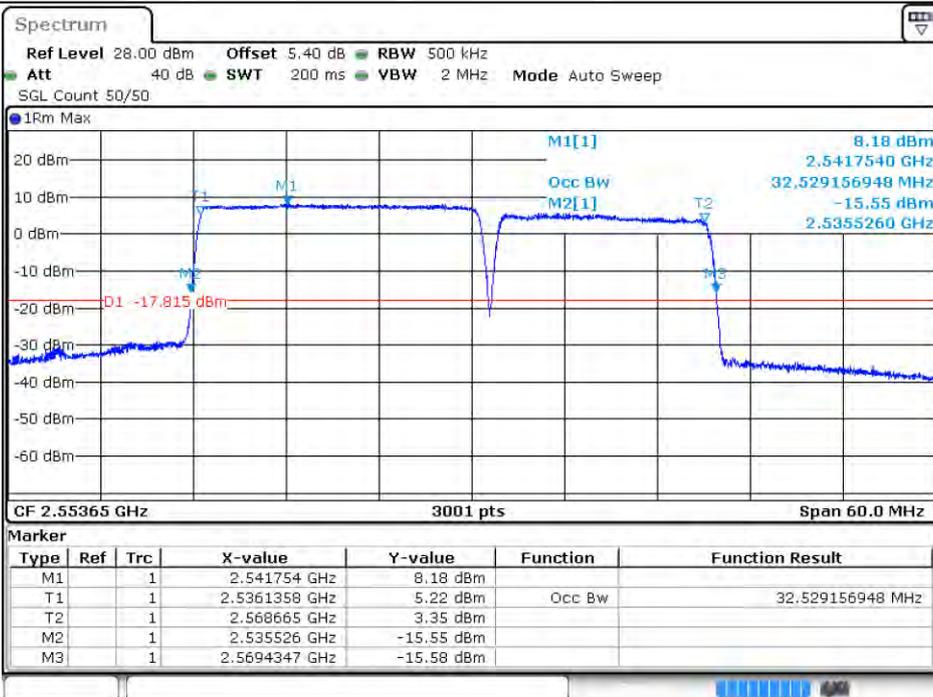


CA\_7C\_20+15\_16QAM\_21026+21197\_100RB#0+75RB#0



Date: 7.MAY.2021 21:47:29

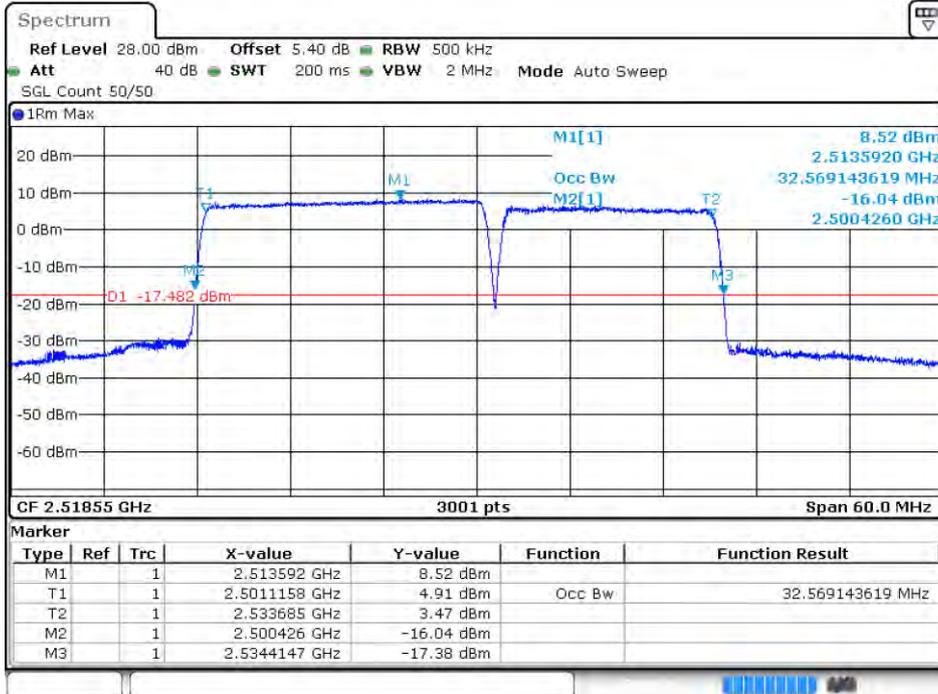
CA\_7C\_20+15\_16QAM\_21201+21372\_100RB#0+75RB#0



Date: 7.MAY.2021 21:48:59

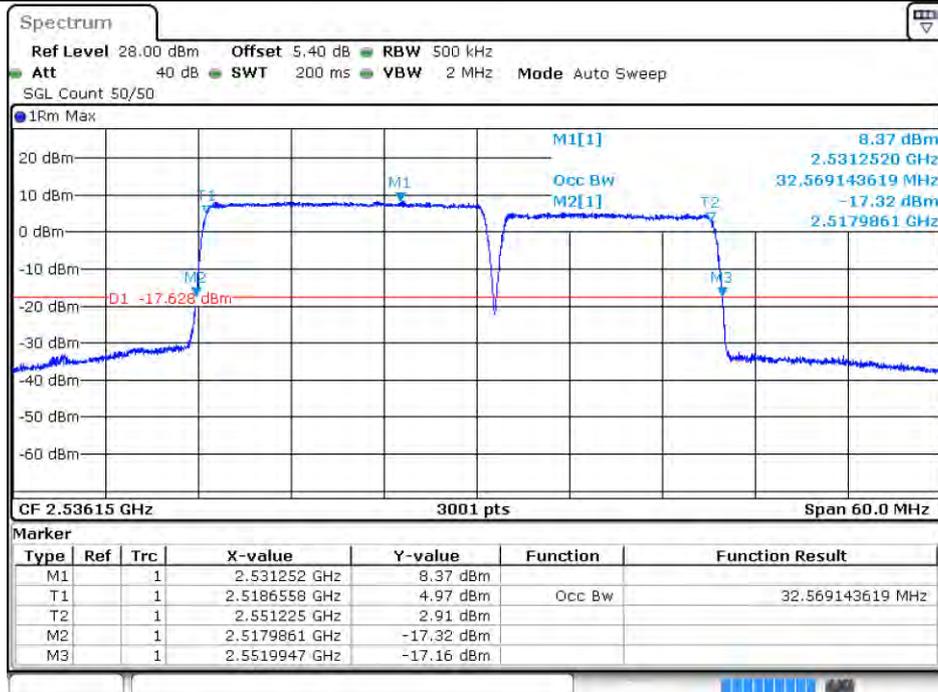


CA\_7C\_20+15\_64QAM\_20850+21021\_100RB#0+75RB#0



Date: 7.MAY.2021 21:46:35

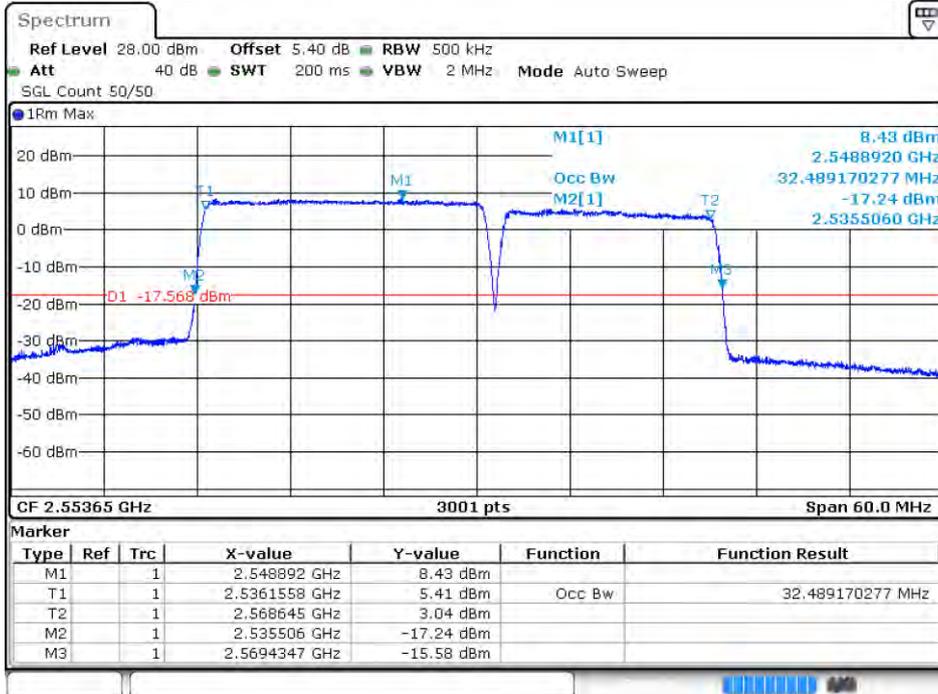
CA\_7C\_20+15\_64QAM\_21026+21197\_100RB#0+75RB#0



Date: 7.MAY.2021 21:47:47

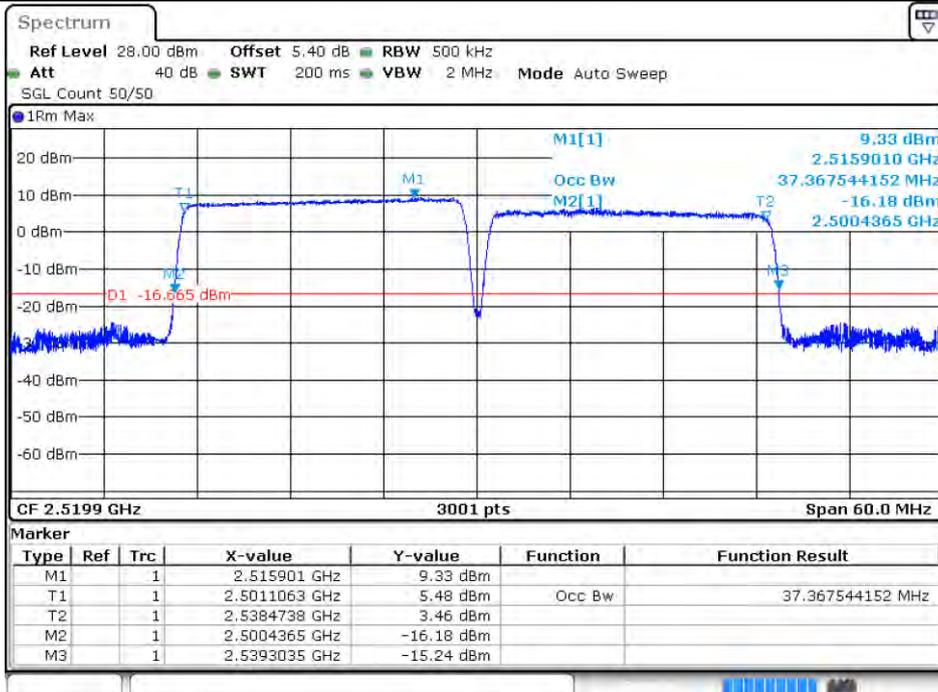


CA\_7C\_20+15\_64QAM\_21201+21372\_100RB#0+75RB#0



Date: 7.MAY.2021 21:49:16

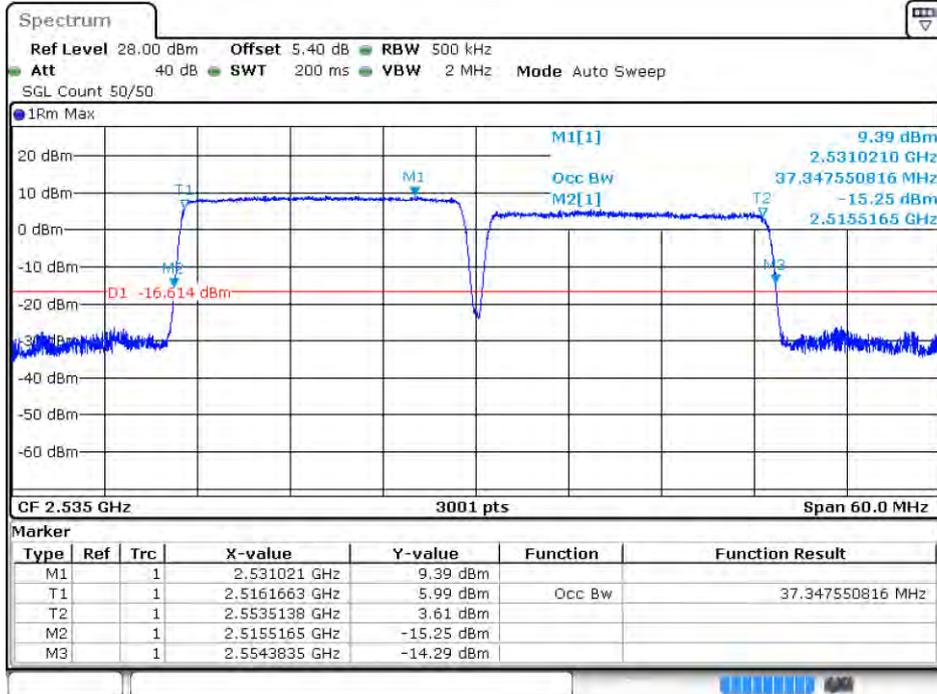
CA\_7C\_20+20\_QPSK\_20850+21048\_100RB#0+100RB#0



Date: 7.MAY.2021 21:50:00

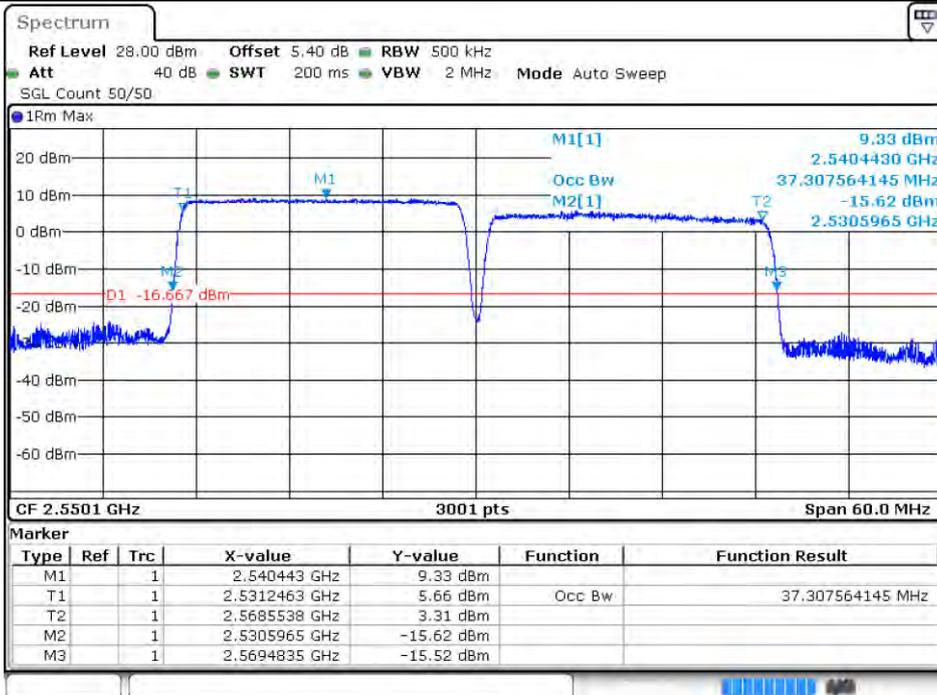


CA\_7C\_20+20\_QPSK\_21001+21199\_100RB#0+100RB#0



Date: 7.MAY.2021 21:52:18

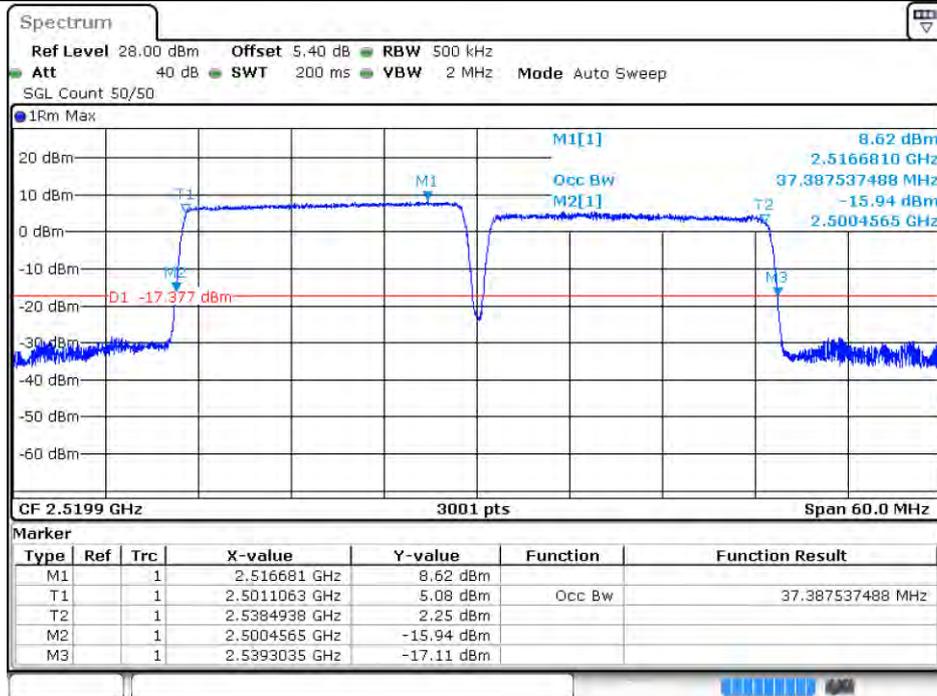
CA\_7C\_20+20\_QPSK\_21152+21350\_100RB#0+100RB#0



Date: 7.MAY.2021 21:53:56

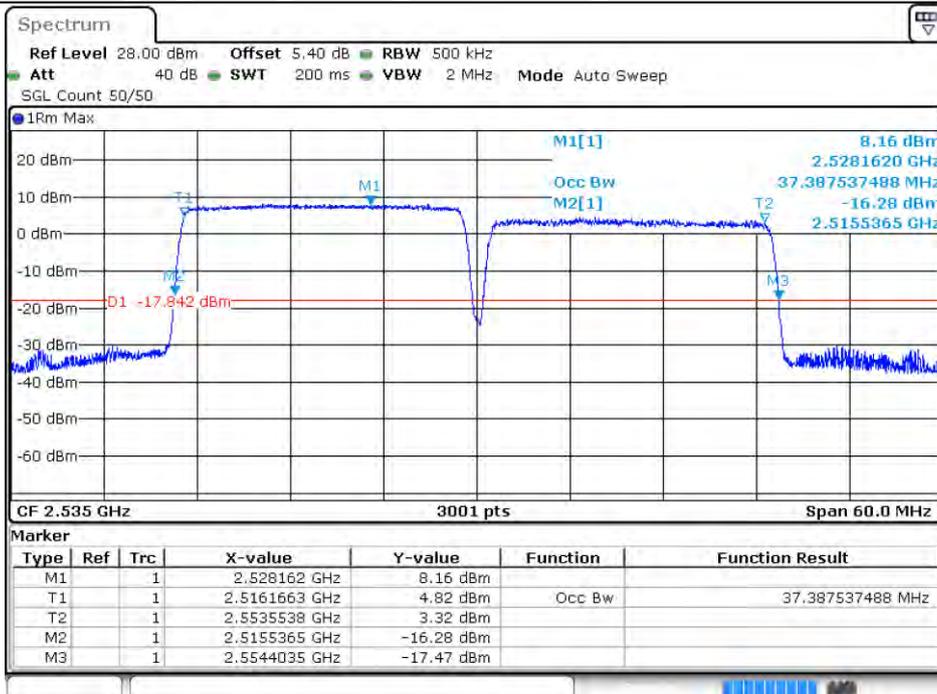


**CA\_7C\_20+20\_16QAM\_20850+21048\_100RB#0+100RB#0**



Date: 7.MAY.2021 21:50:18

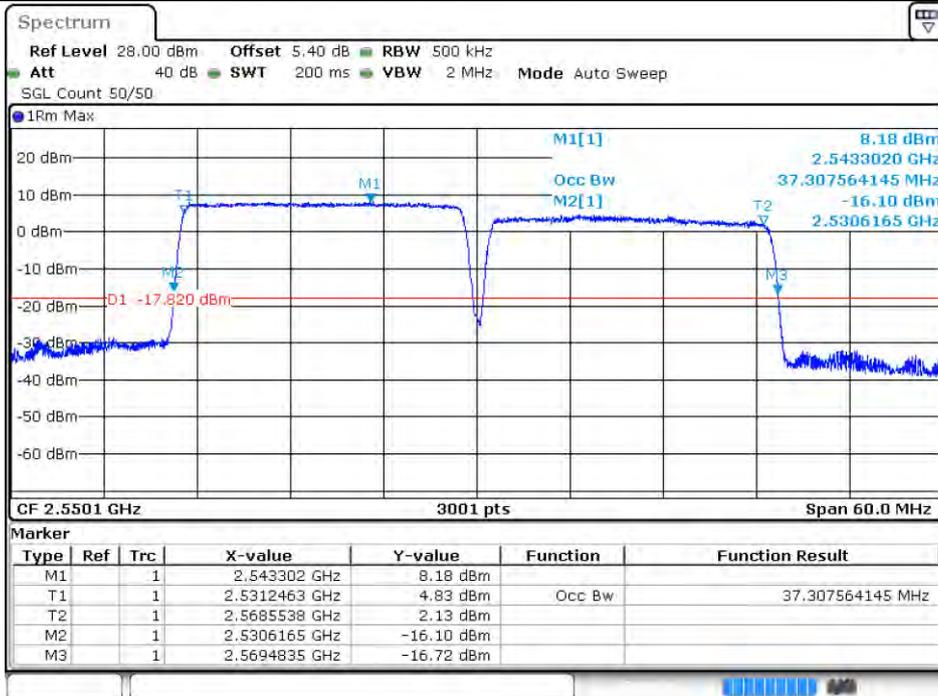
**CA\_7C\_20+20\_16QAM\_21001+21199\_100RB#0+100RB#0**



Date: 7.MAY.2021 21:52:34

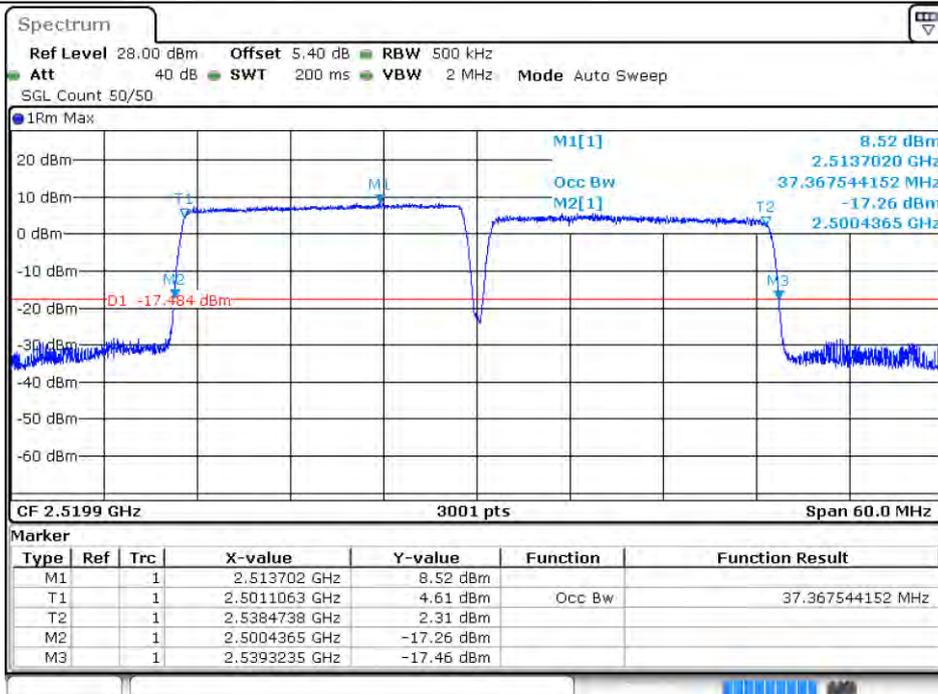


CA\_7C\_20+20\_16QAM\_21152+21350\_100RB#0+100RB#0



Date: 7.MAY.2021 21:54:12

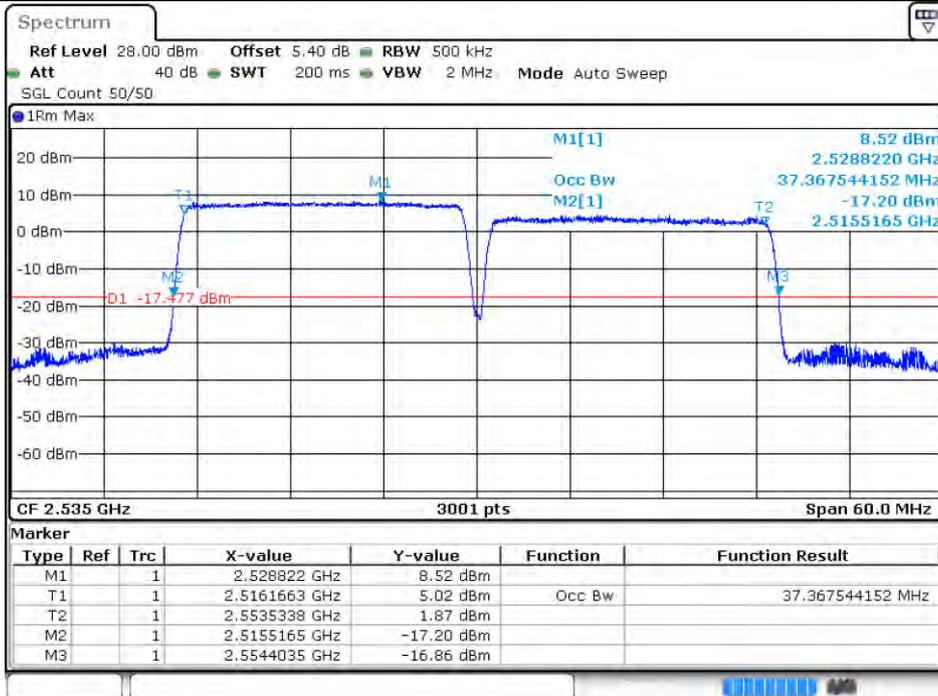
CA\_7C\_20+20\_64QAM\_20850+21048\_100RB#0+100RB#0



Date: 7.MAY.2021 21:50:34

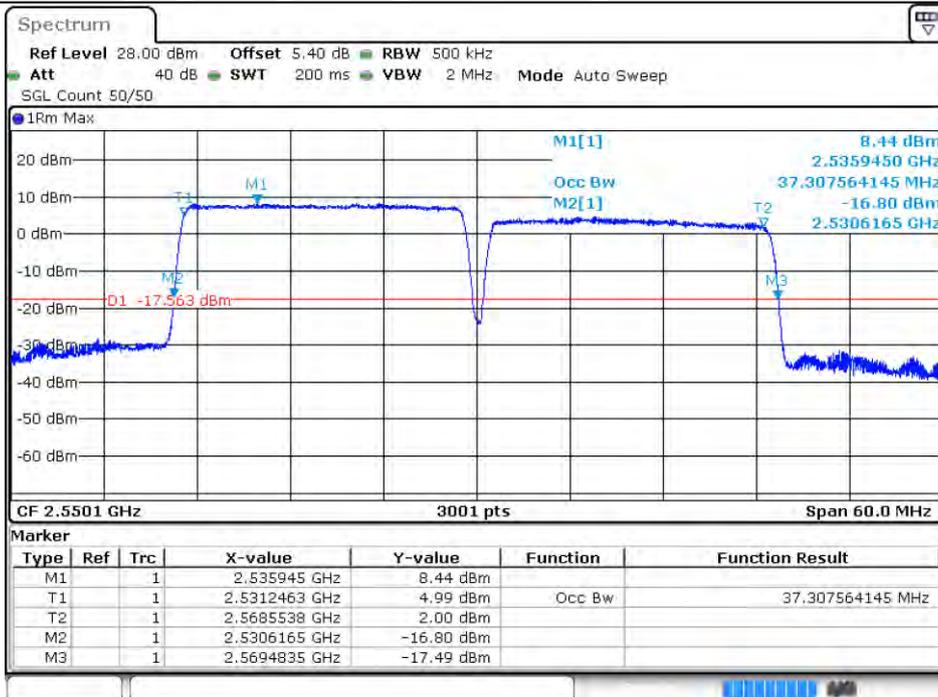


**CA\_7C\_20+20\_64QAM\_21001+21199\_100RB#0+100RB#0**



Date: 7.MAY.2021 21:52:51

**CA\_7C\_20+20\_64QAM\_21152+21350\_100RB#0+100RB#0**



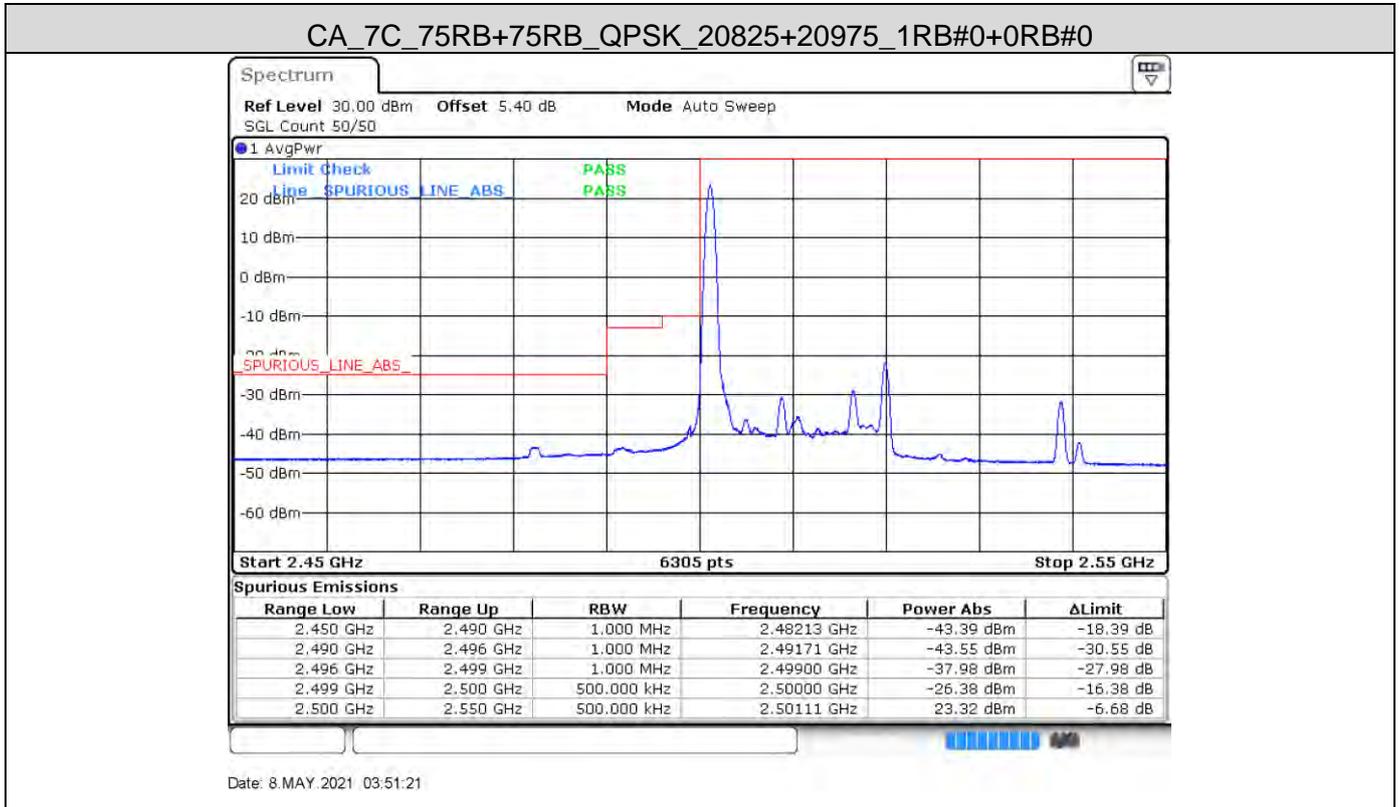
Date: 7.MAY.2021 21:54:29



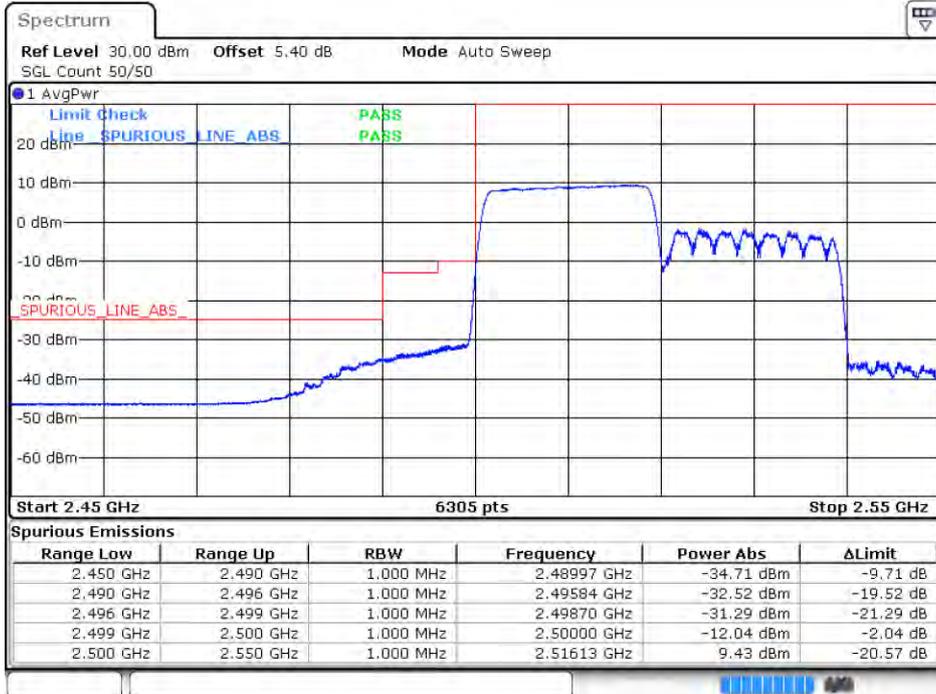
## 5 Band Edges Compliance

### 5.1 For LTE

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

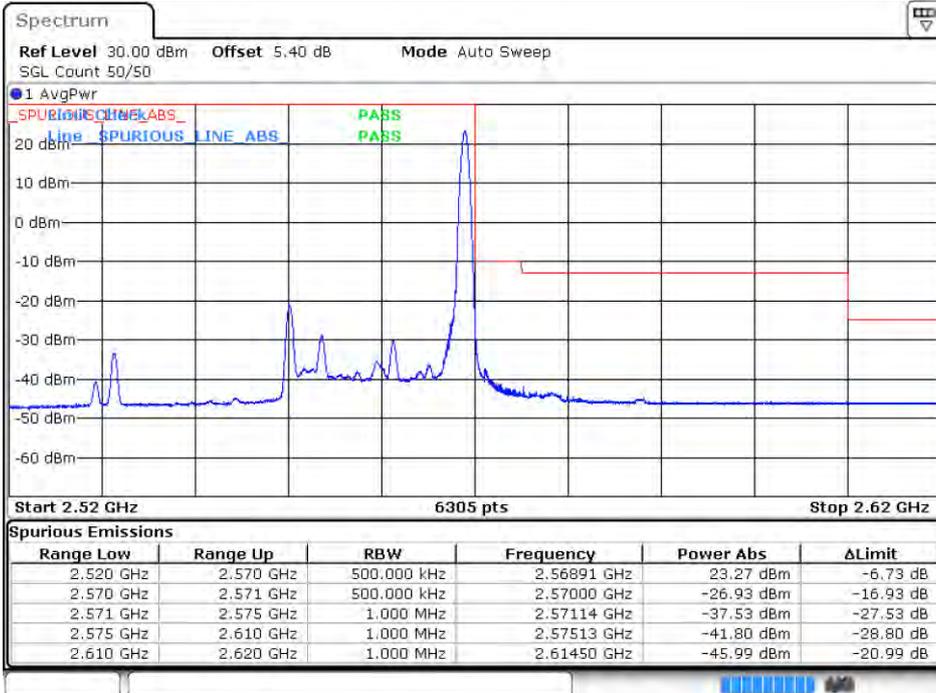


**CA\_7C\_75RB+75RB\_QPSK\_20825+20975\_75RB#0+75RB#0**



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

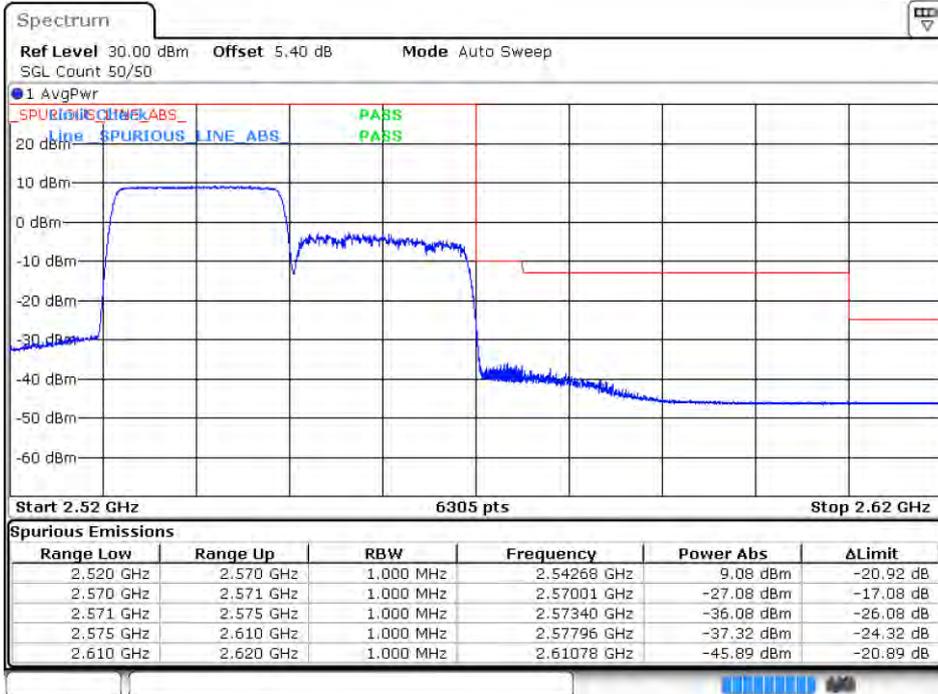
**CA\_7C\_75RB+75RB\_QPSK\_21225+21375\_0RB#0+1RB#74**



Date: 8.MAY.2021 03:54:27

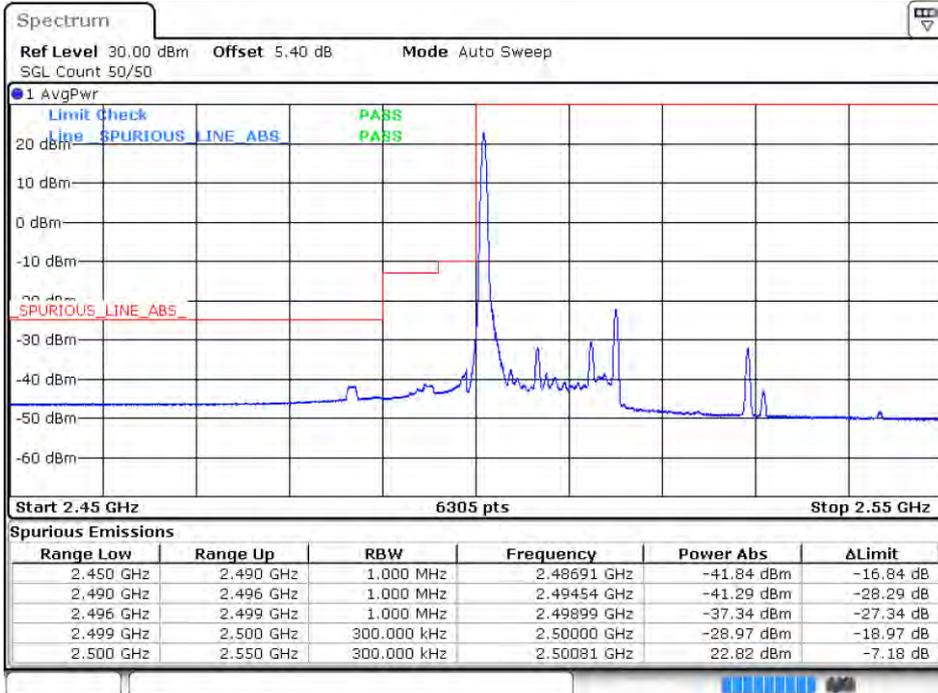


**CA\_7C\_75RB+75RB\_QPSK\_21225+21375\_75RB#0+75RB#0**



Date: 8.MAY.2021 03:55:40

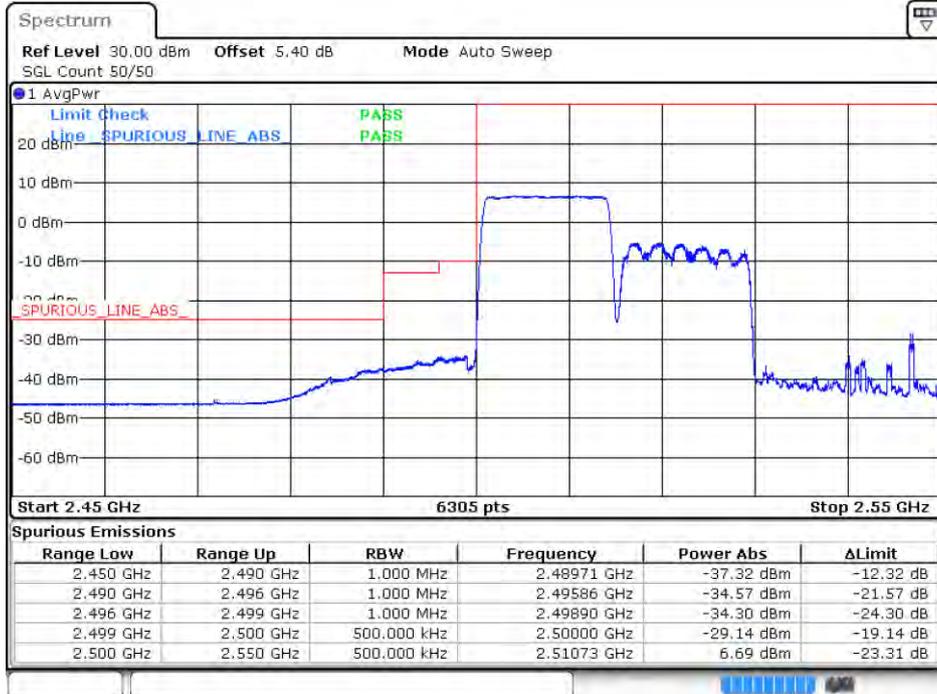
**CA\_7C\_75RB+75RB\_16QAM\_20825+20975\_1RB#0+0RB#0**



Date: 8.MAY.2021 03:38:15

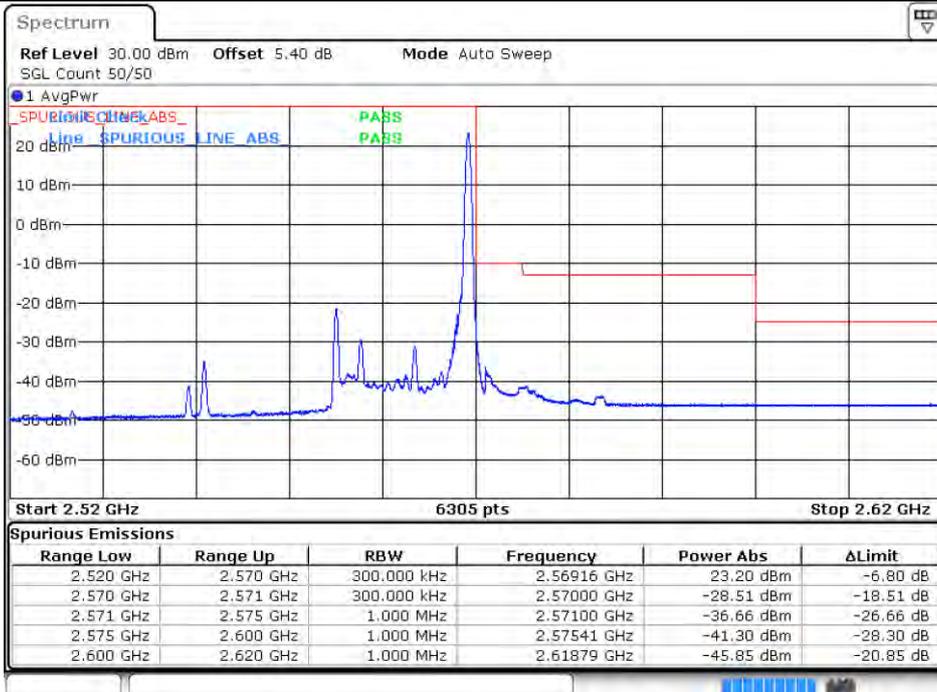


**CA\_7C\_75RB+75RB\_16QAM\_20825+20975\_75RB#0+75RB#0**



Date: 8 MAY 2021 04:03:13

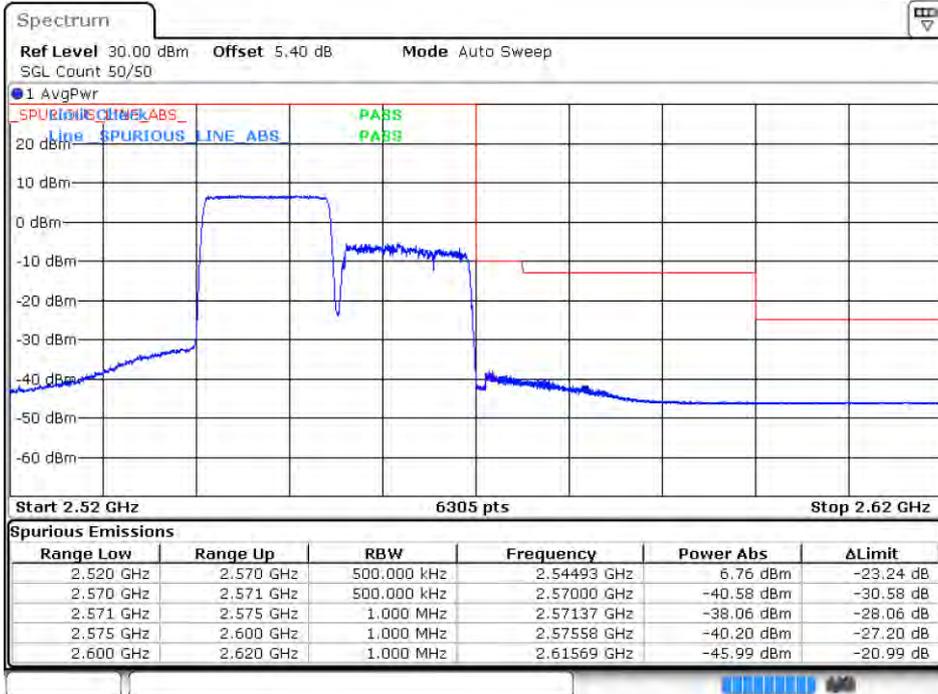
**CA\_7C\_75RB+75RB\_16QAM\_21225+21375\_0RB#0+1RB#74**



Date: 8 MAY 2021 03:40:57

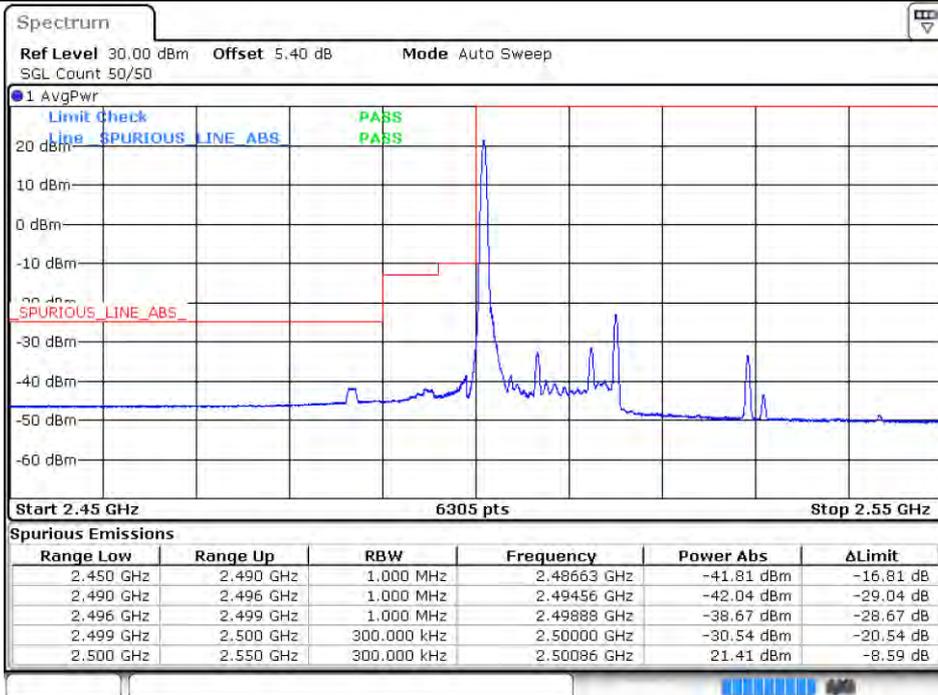


**CA\_7C\_75RB+75RB\_16QAM\_21225+21375\_75RB#0+75RB#0**



Date: 8.MAY.2021 03:42:09

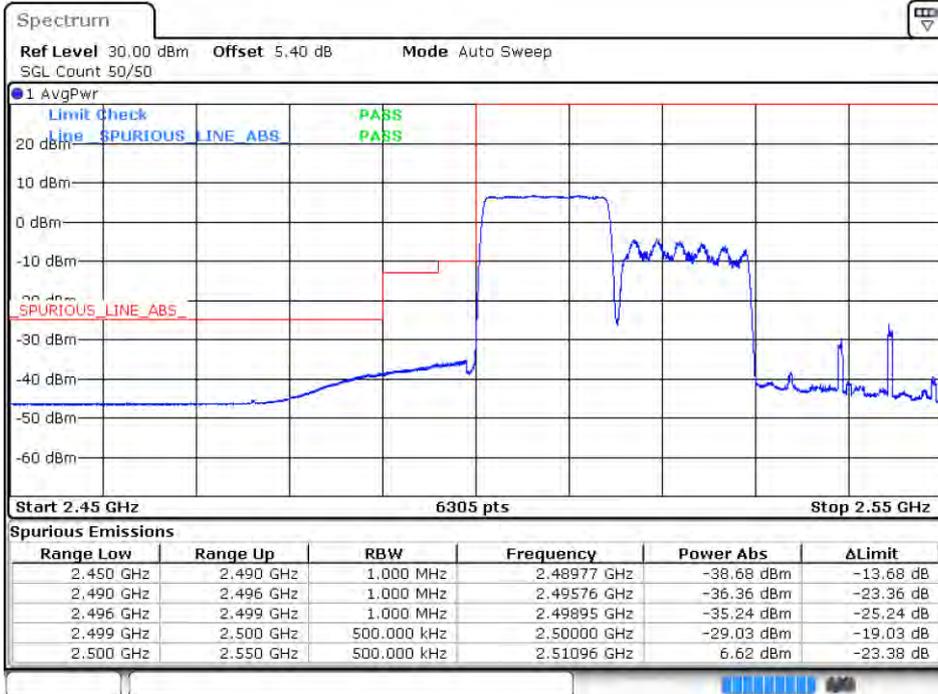
**CA\_7C\_75RB+75RB\_64QAM\_20825+20975\_1RB#0+0RB#0**



Date: 8.MAY.2021 03:38:45

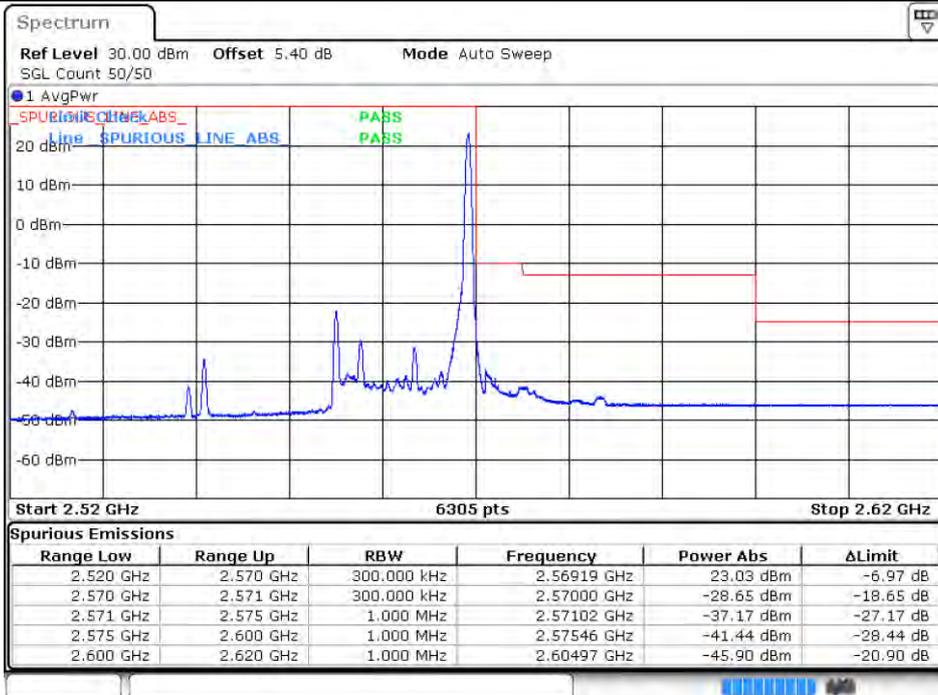


CA\_7C\_75RB+75RB\_64QAM\_20825+20975\_75RB#0+75RB#0



Date: 8.MAY.2021 04:03:42

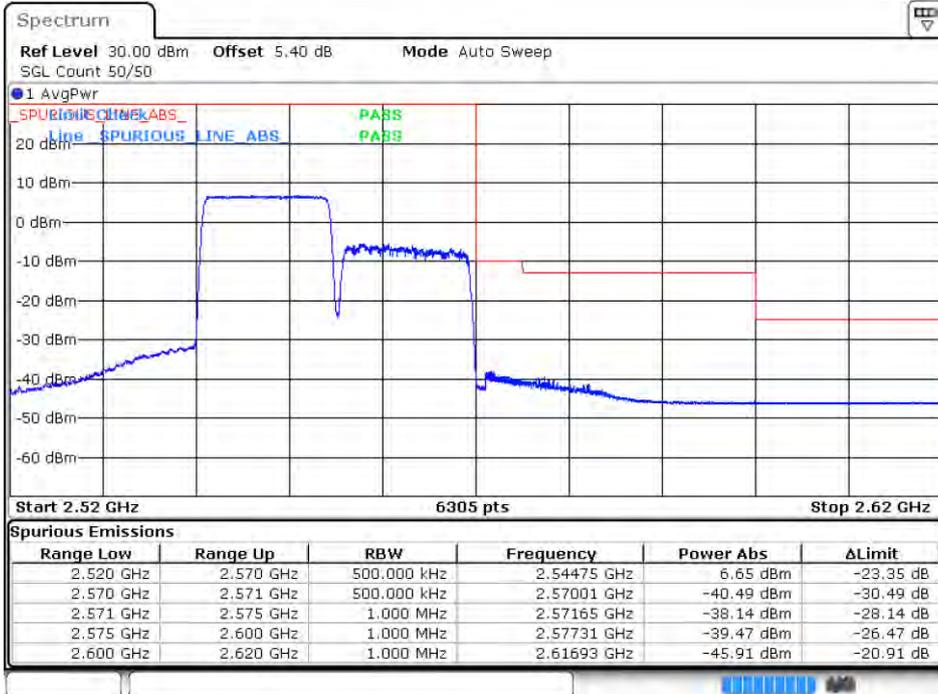
CA\_7C\_75RB+75RB\_64QAM\_21225+21375\_0RB#0+1RB#74



Date: 8.MAY.2021 03:41:12

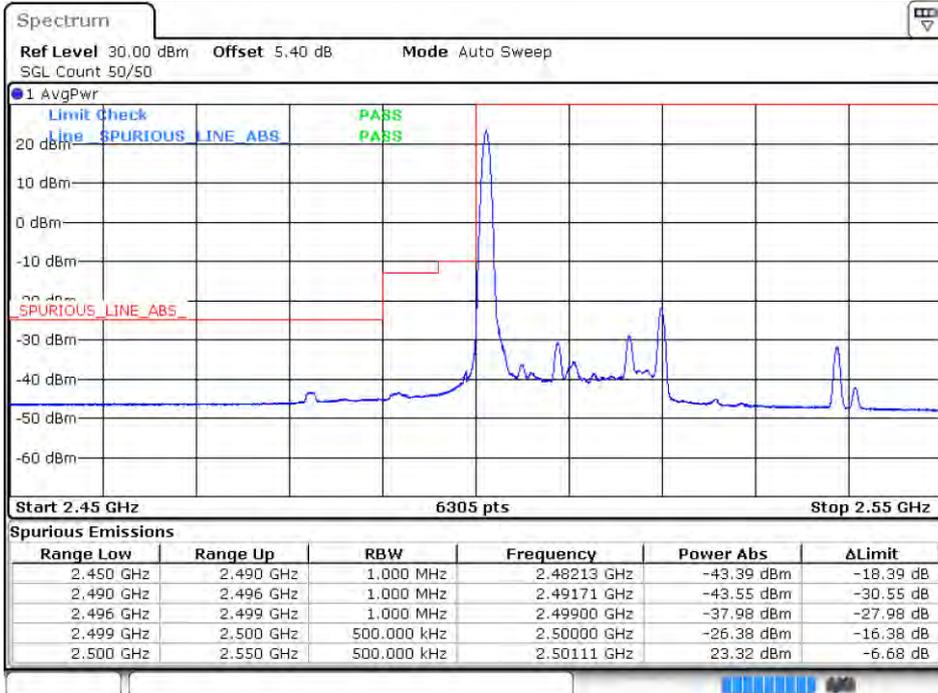


**CA\_7C\_75RB+75RB\_64QAM\_21225+21375\_75RB#0+75RB#0**



Date: 8.MAY.2021 03:42:24

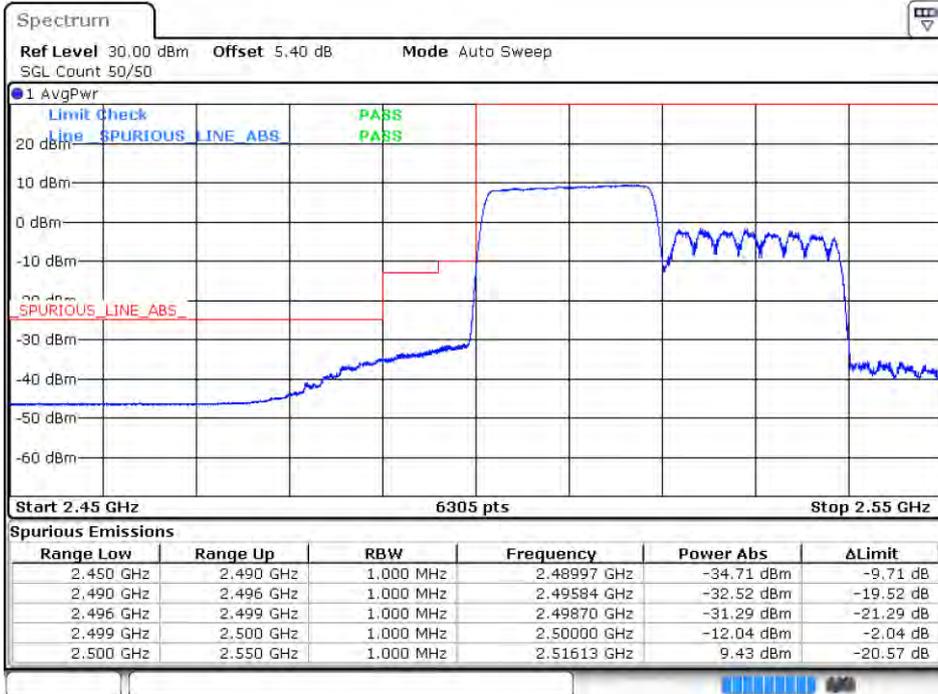
**CA\_7C\_100RB+100RB\_QPSK\_20850+21048\_1RB#0+0RB#0**



Date: 8.MAY.2021 03:51:21

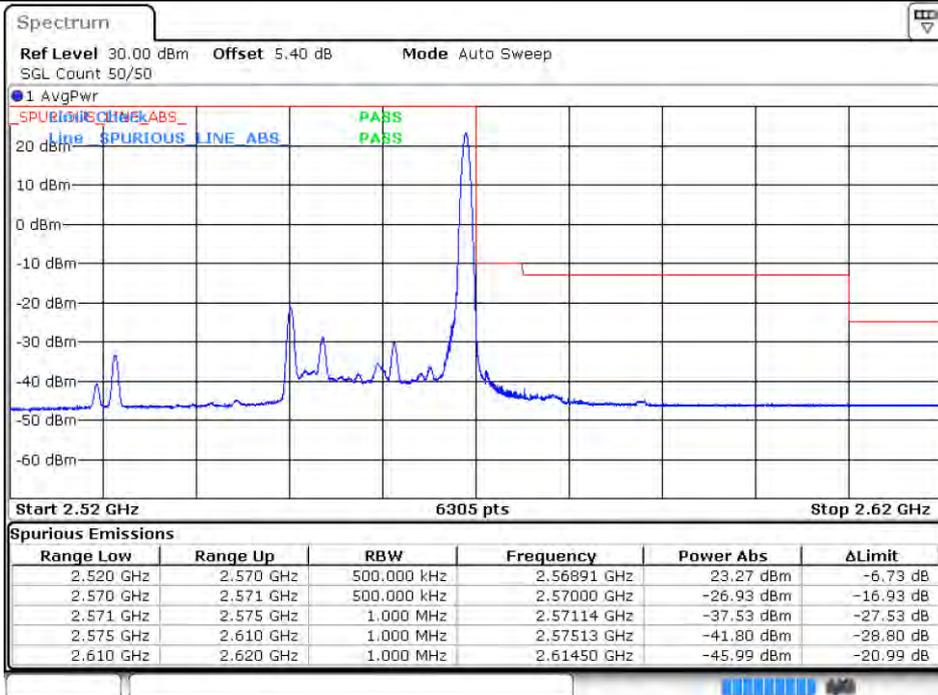


**CA\_7C\_100RB+100RB\_QPSK\_20850+21048\_100RB#0+100RB#0**



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

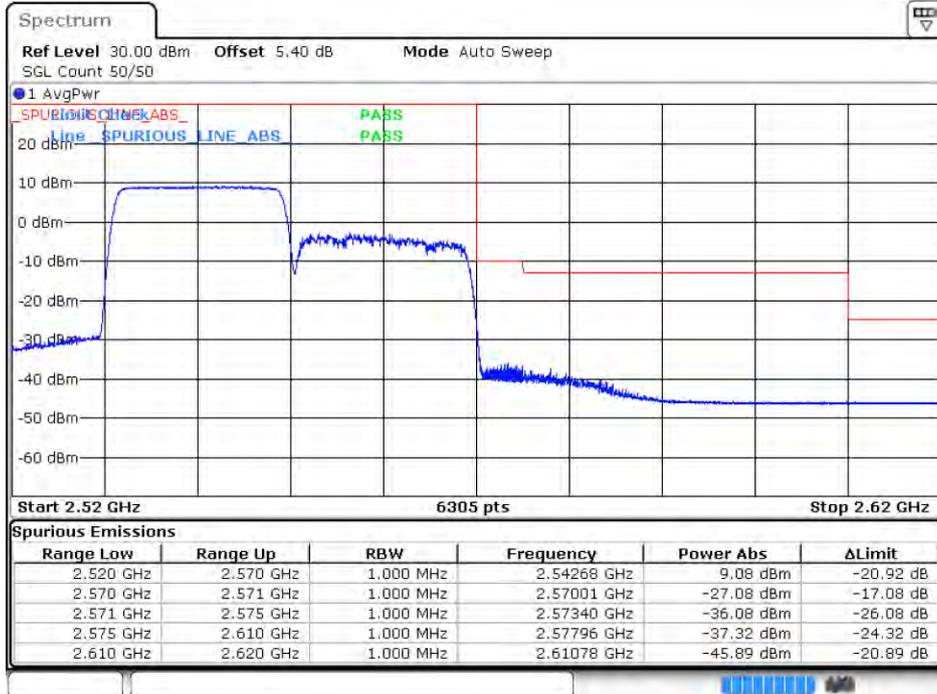
**CA\_7C\_100RB+100RB\_QPSK\_21152+21350\_0RB#0+1RB#99**



Date: 8.MAY.2021 03:54:27

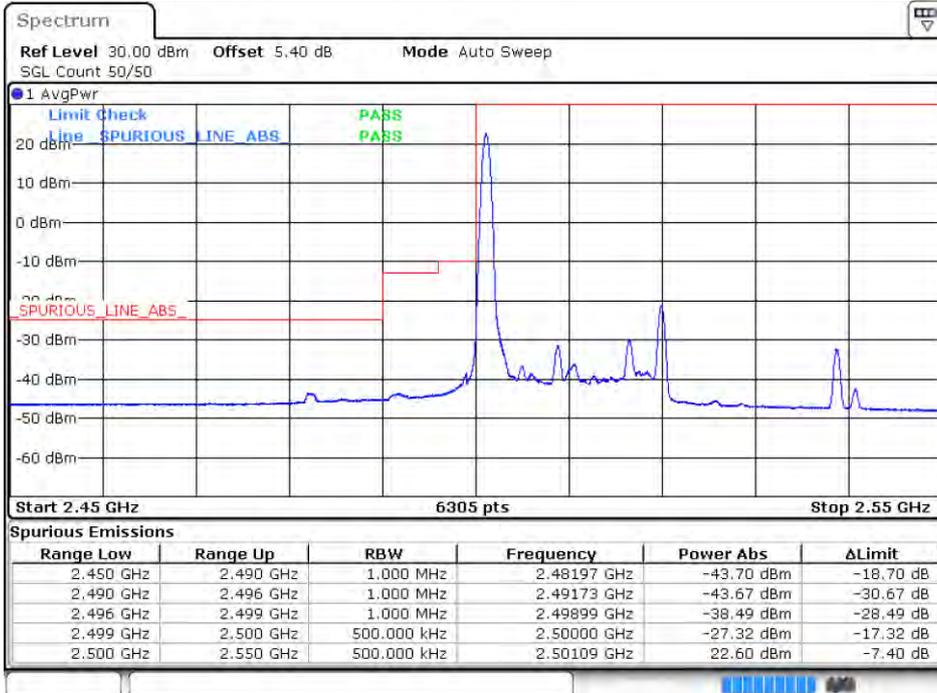


**CA\_7C\_100RB+100RB\_QPSK\_21152+21350\_100RB#0+100RB#0**



Date: 8.MAY.2021 03:55:40

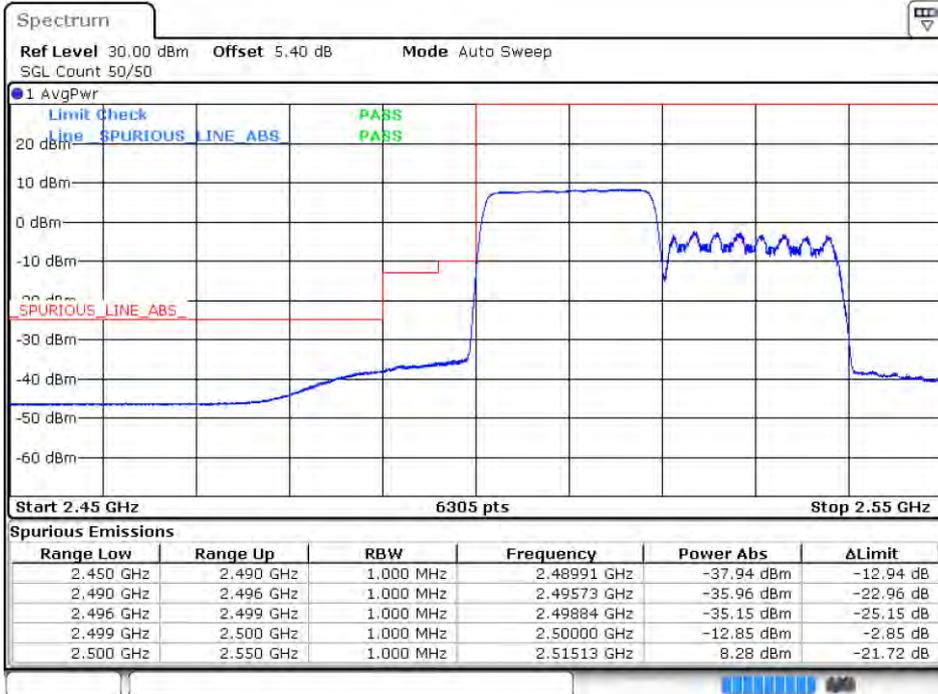
**CA\_7C\_100RB+100RB\_16QAM\_20850+21048\_1RB#0+0RB#0**



Date: 8.MAY.2021 03:51:50

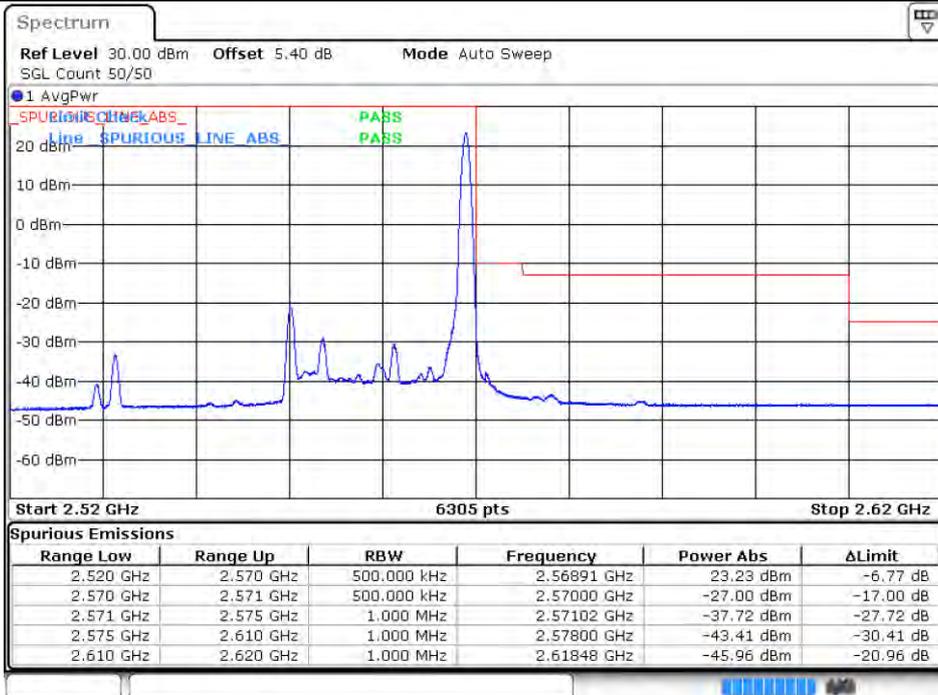


**CA\_7C\_100RB+100RB\_16QAM\_20850+21048\_100RB#0+100RB#0**



Date: 8.MAY.2021 03:53:31

**CA\_7C\_100RB+100RB\_16QAM\_21152+21350\_0RB#0+1RB#99**



Date: 8.MAY.2021 03:54:43

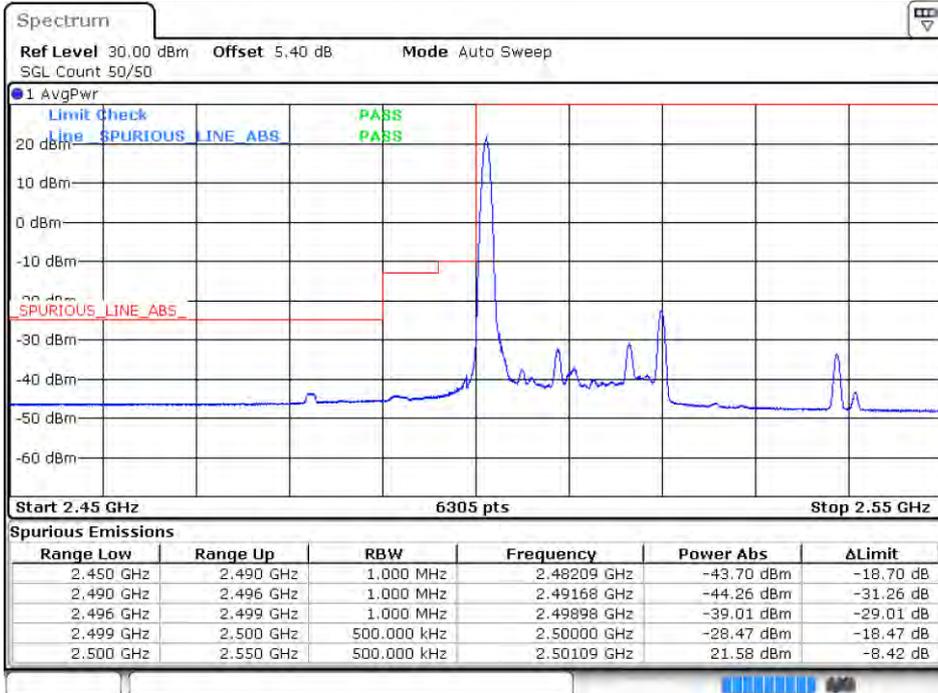


**CA\_7C\_100RB+100RB\_16QAM\_21152+21350\_100RB#0+100RB#0**



Date: 8.MAY.2021 03:55:55

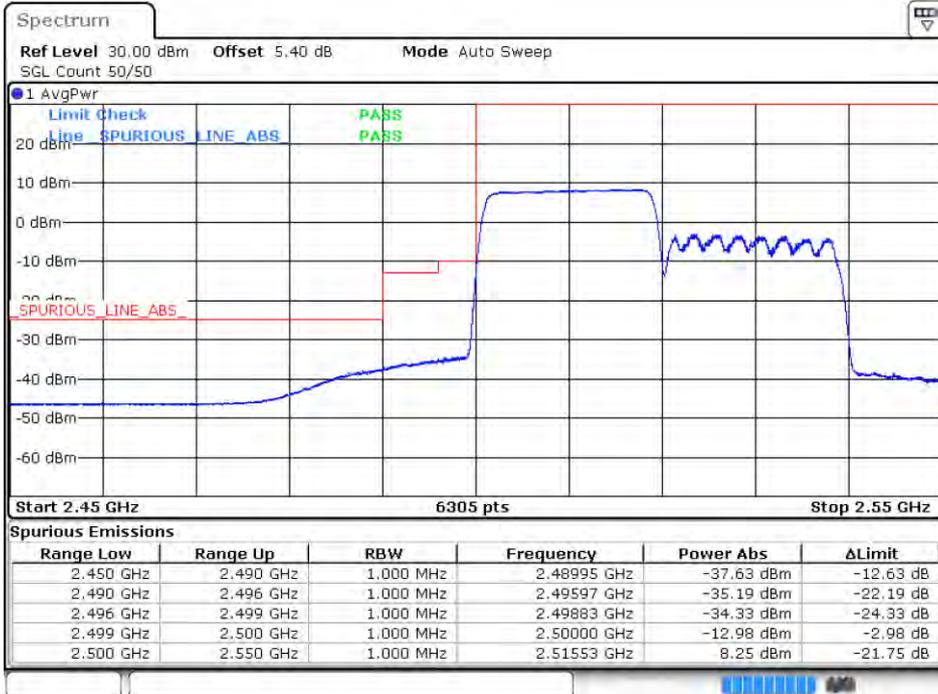
**CA\_7C\_100RB+100RB\_64QAM\_20850+21048\_1RB#0+0RB#0**



Date: 8.MAY.2021 03:52:19

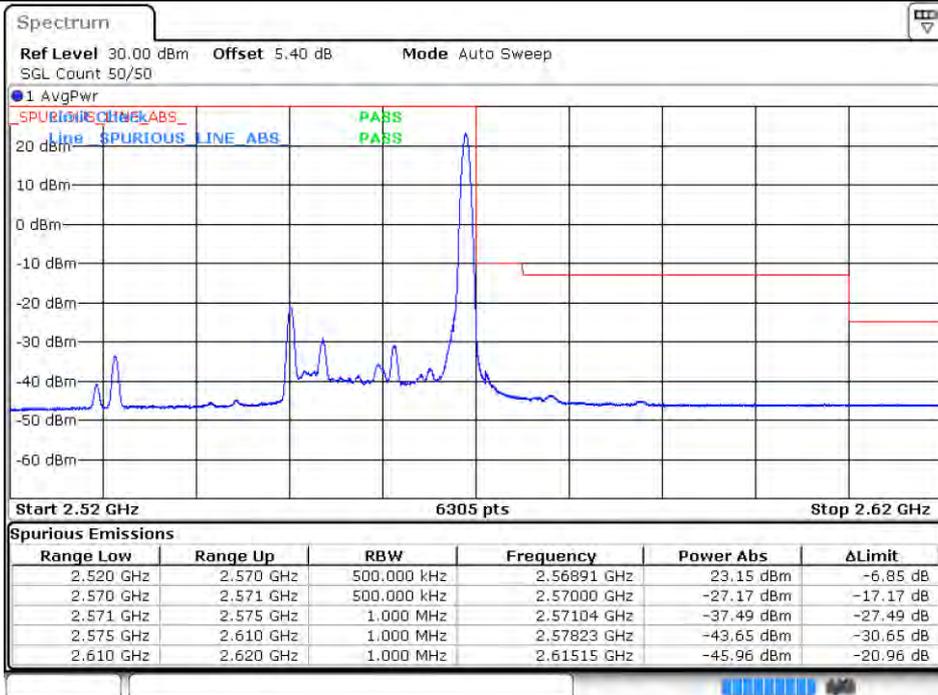


**CA\_7C\_100RB+100RB\_64QAM\_20850+21048\_100RB#0+100RB#0**



Date: 8.MAY.2021 03:54:00

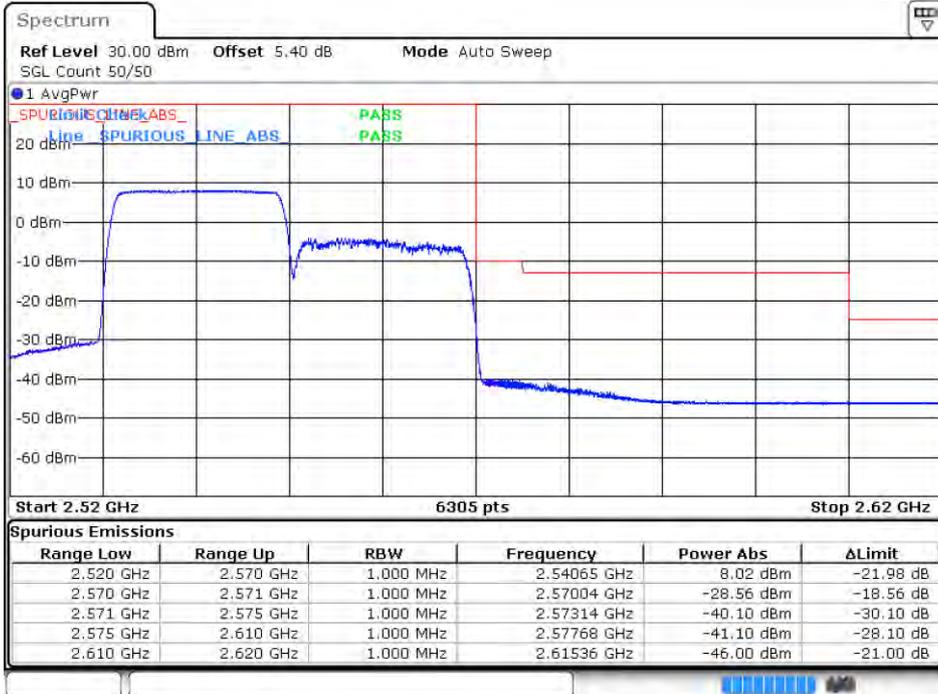
**CA\_7C\_100RB+100RB\_64QAM\_21152+21350\_0RB#0+1RB#99**



Date: 8.MAY.2021 03:54:58



CA\_7C\_100RB+100RB\_64QAM\_21152+21350\_100RB#0+100RB#0



Date: 8.MAY.2021 03:56:10



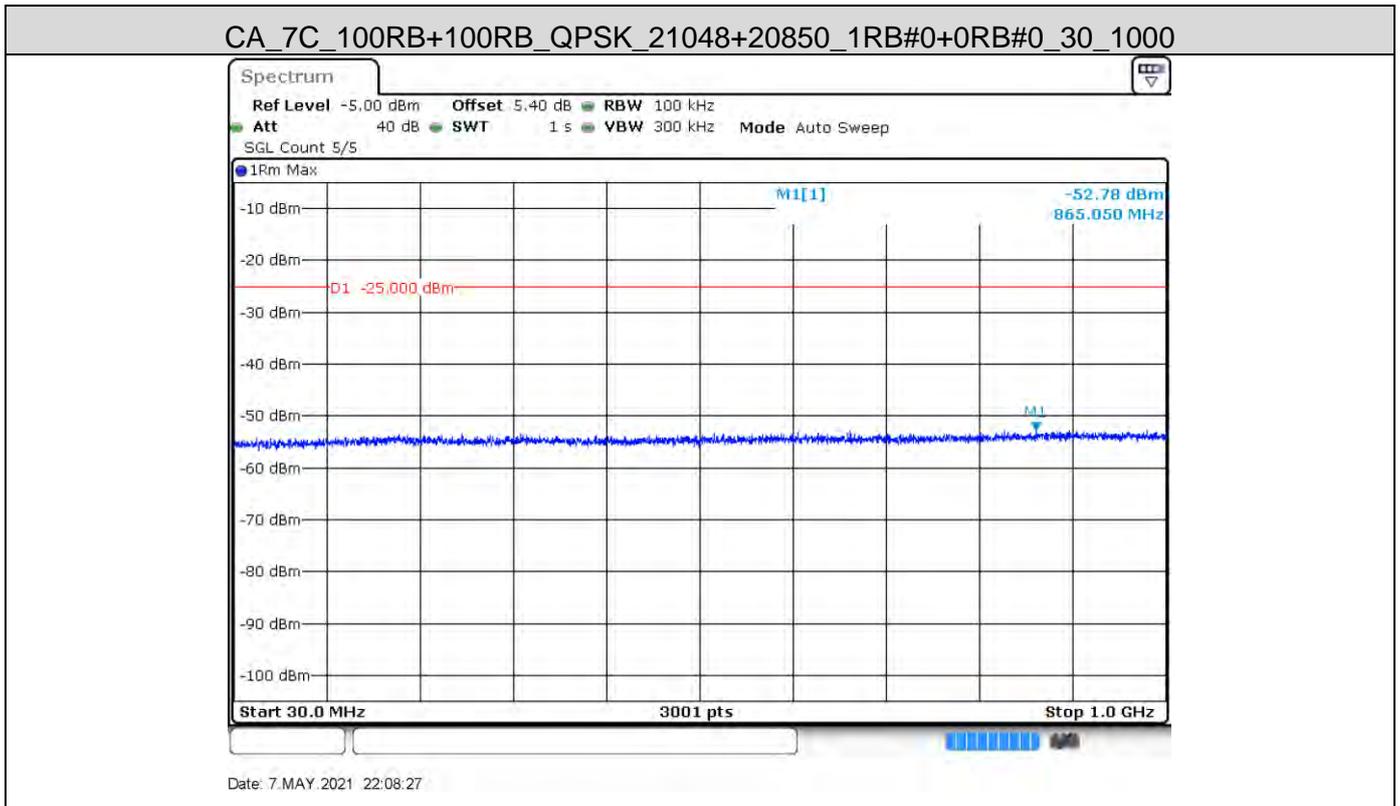
## 6 Spurious Emission at Antenna Terminal

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

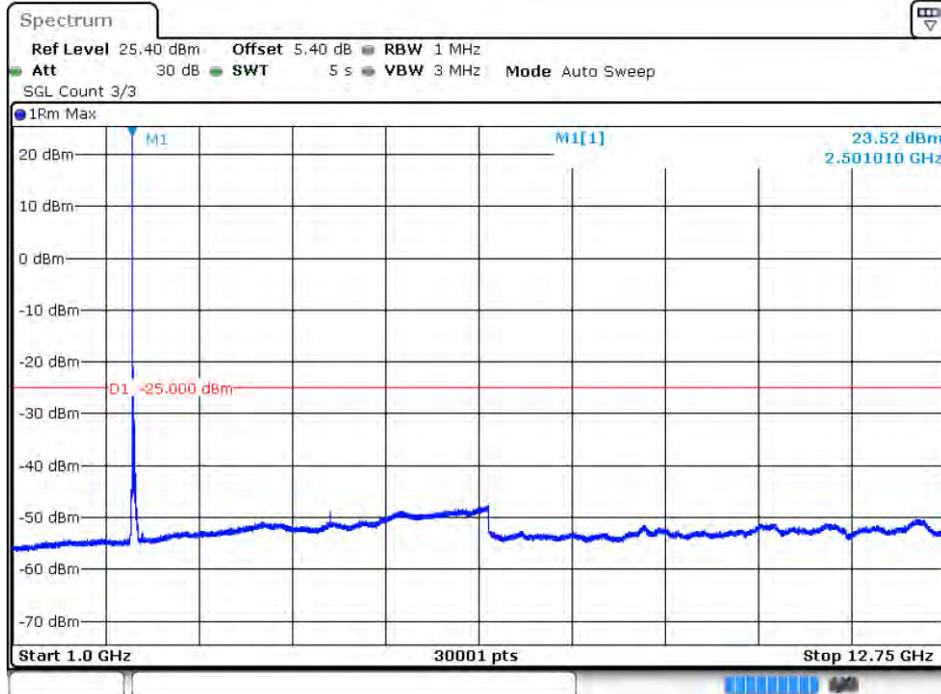
Part I - Test Plots

### 6.1 For LTE

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

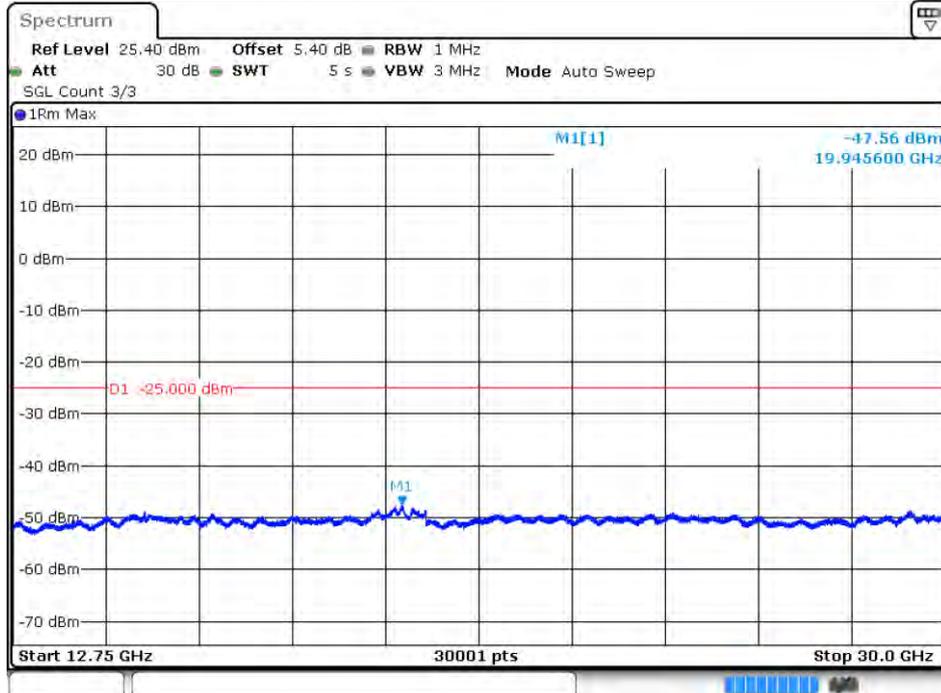


CA\_7C\_100RB+100RB\_QPSK\_21048+20850\_1RB#0+0RB#0\_1000\_12750



Date: 7.MAY.2021 22:15:03

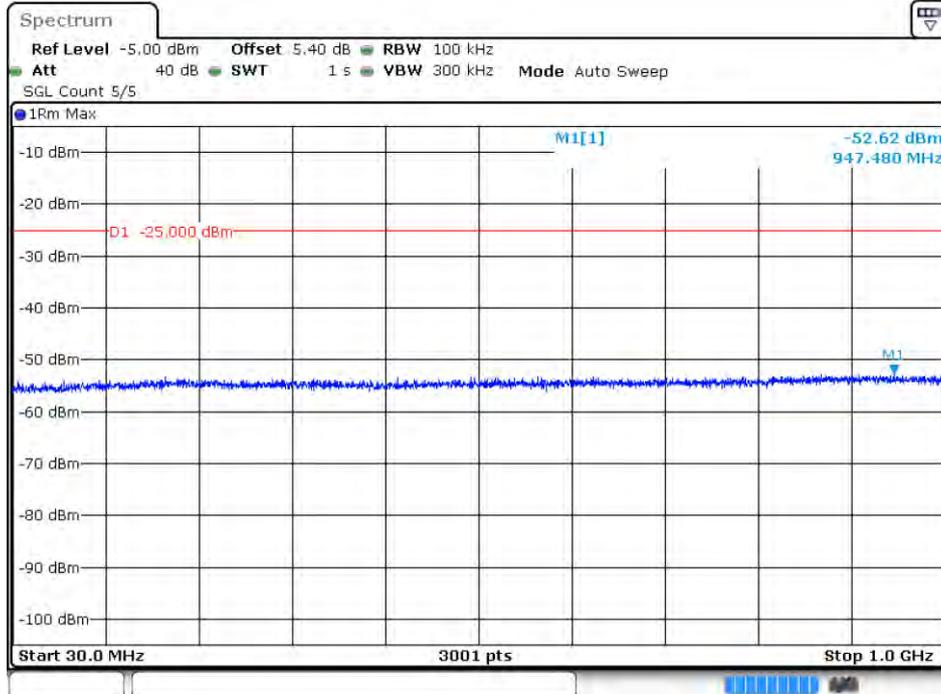
CA\_7C\_100RB+100RB\_QPSK\_21048+20850\_1RB#0+0RB#0\_12750\_30000



Date: 7.MAY.2021 22:25:06

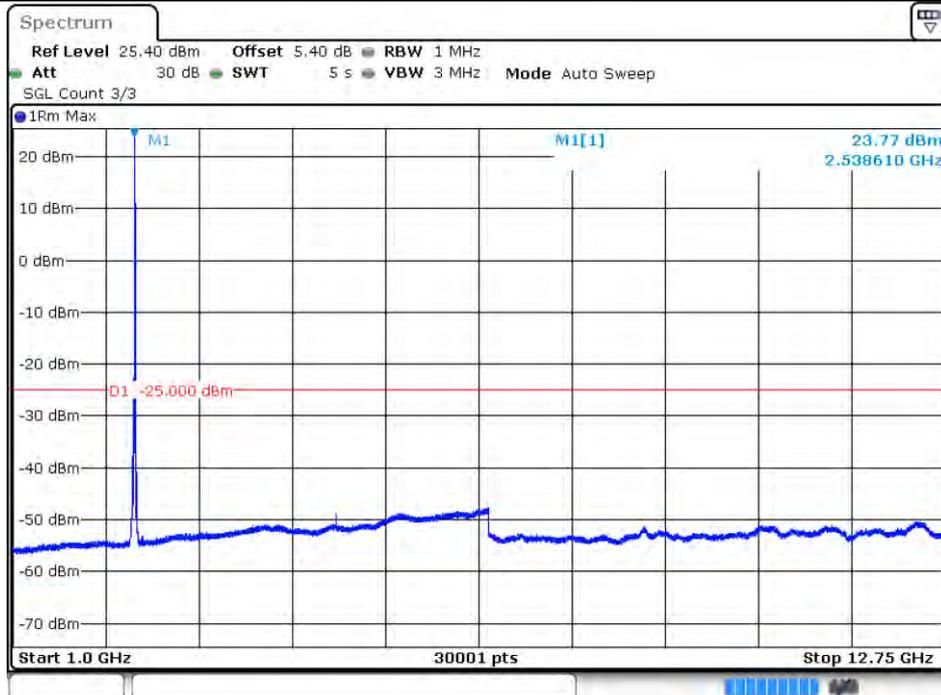


CA\_7C\_100RB+100RB\_QPSK\_21048+20850\_0RB#0+1RB#99\_30\_1000



Date: 7.MAY.2021 22:08:33

CA\_7C\_100RB+100RB\_QPSK\_21048+20850\_0RB#0+1RB#99\_1000\_12750

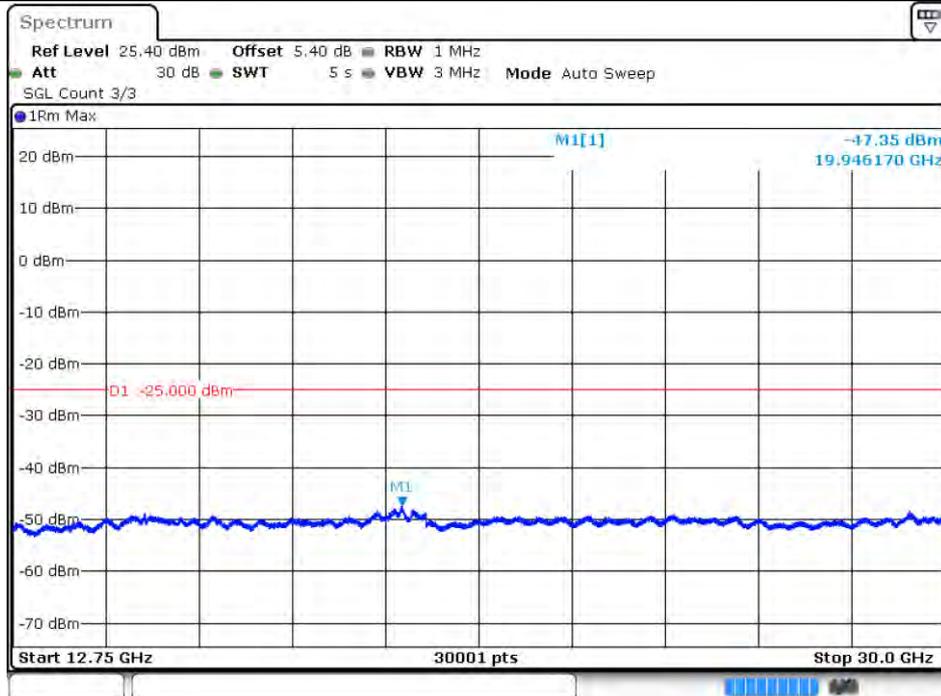


Date: 7.MAY.2021 22:15:20



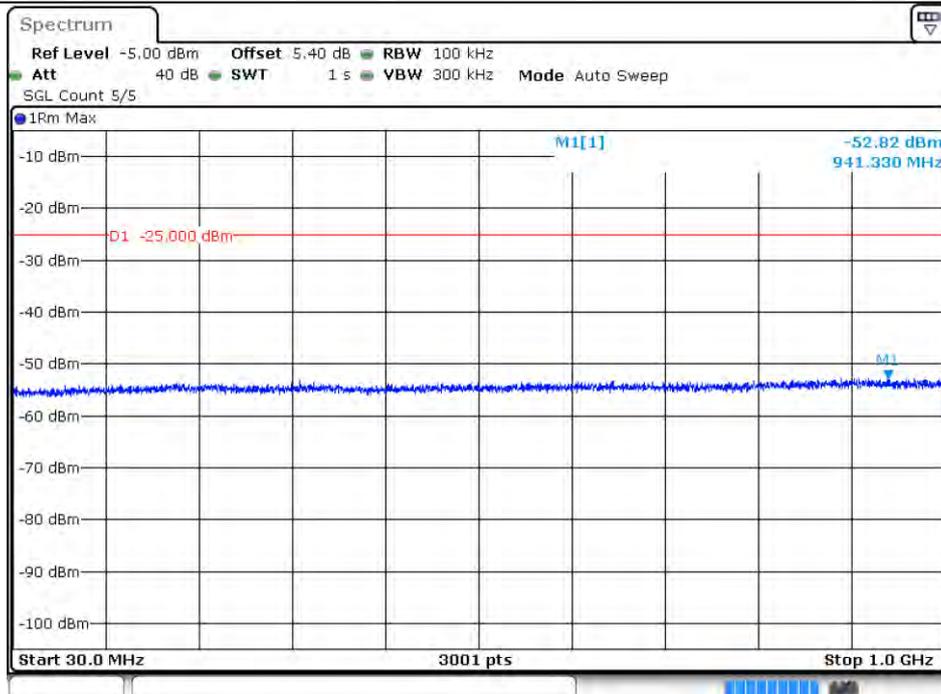


CA\_7C\_100RB+100RB\_QPSK\_21048+20850\_0RB#0+1RB#99\_12750\_30000



Date: 7.MAY.2021 22:25:23

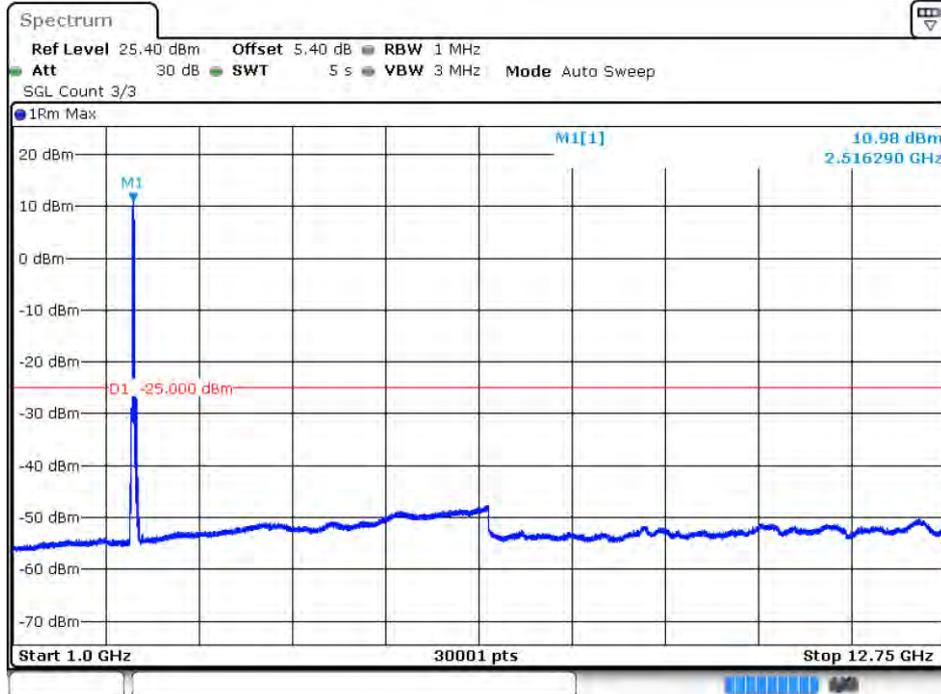
CA\_7C\_100RB+100RB\_QPSK\_21048+20850\_100RB#0+100RB#0\_30\_1000



Date: 7.MAY.2021 22:08:40

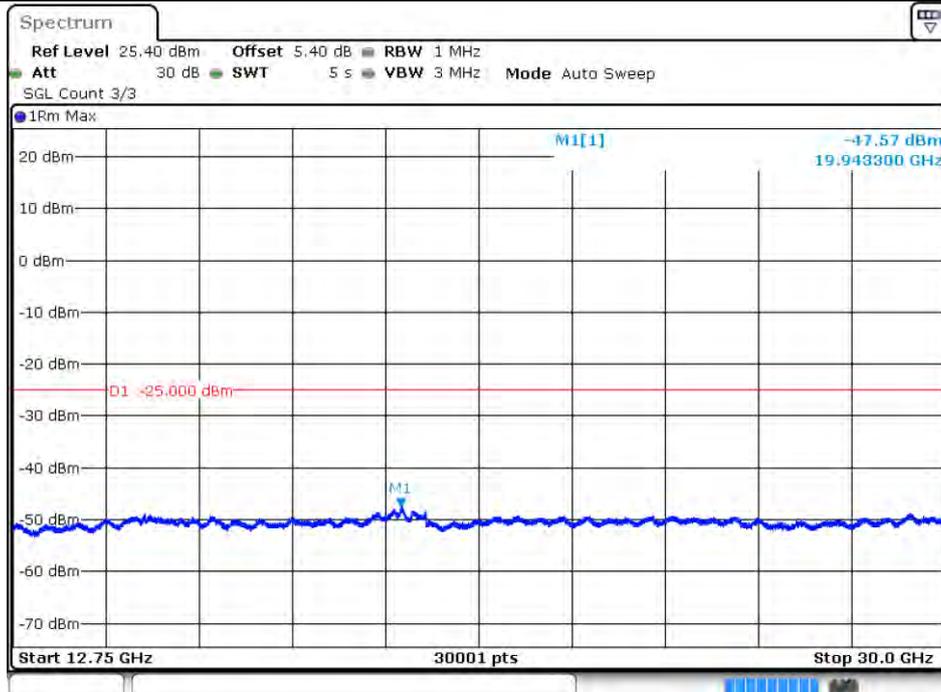


CA\_7C\_100RB+100RB\_QPSK\_21048+20850\_100RB#0+100RB#0\_1000\_12750



Date: 7.MAY.2021 22:15:37

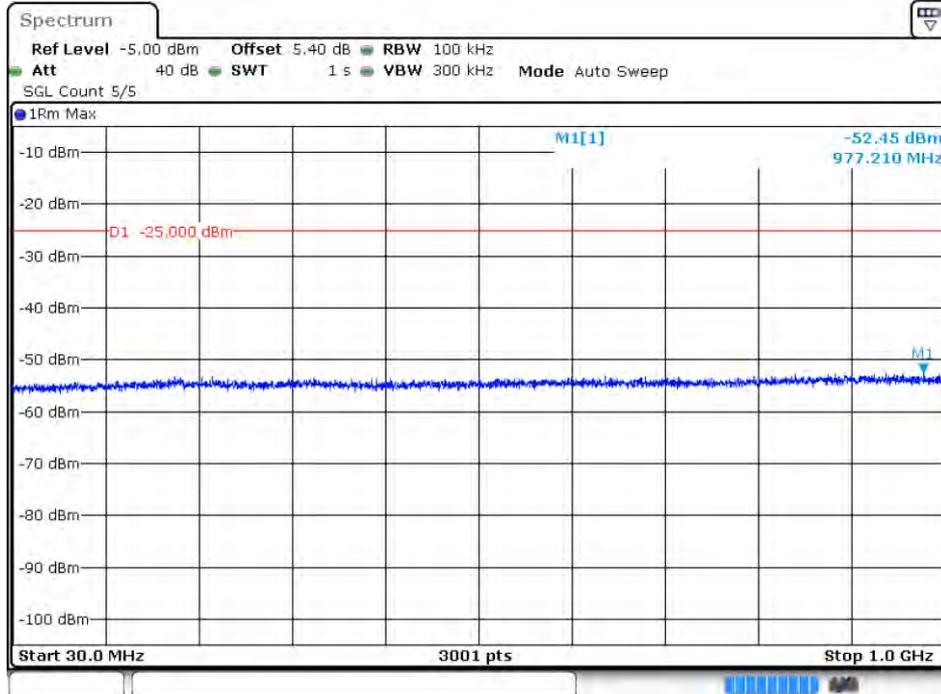
CA\_7C\_100RB+100RB\_QPSK\_21048+20850\_100RB#0+100RB#0\_12750\_30000



Date: 7.MAY.2021 22:25:40

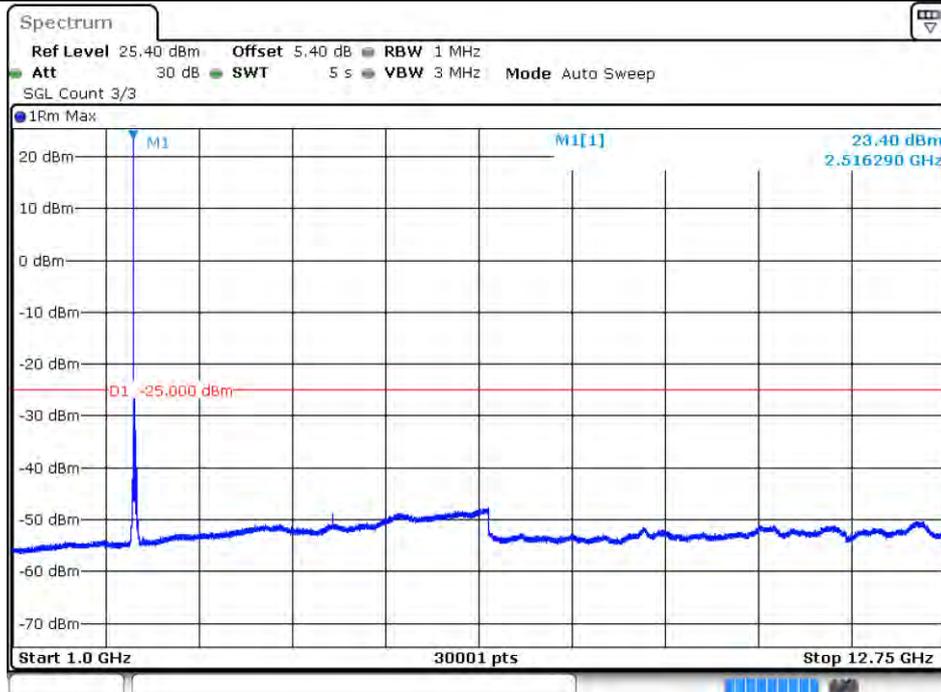


CA\_7C\_100RB+100RB\_QPSK\_21199+21001\_1RB#0+0RB#0\_30\_1000



Date: 7.MAY.2021 22:10:49

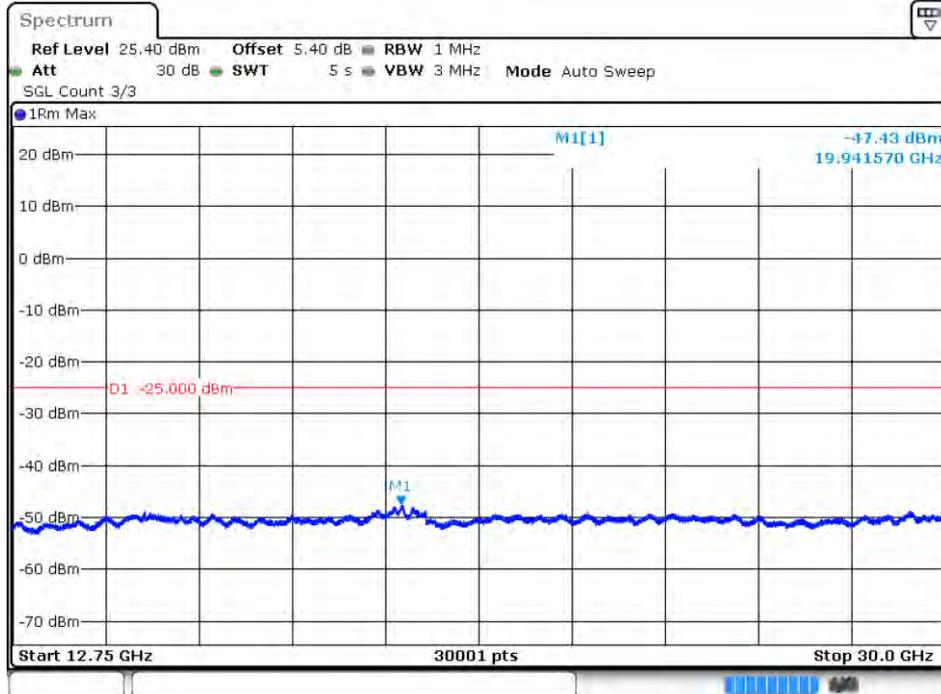
CA\_7C\_100RB+100RB\_QPSK\_21199+21001\_1RB#0+0RB#0\_1000\_12750



Date: 7.MAY.2021 22:18:12

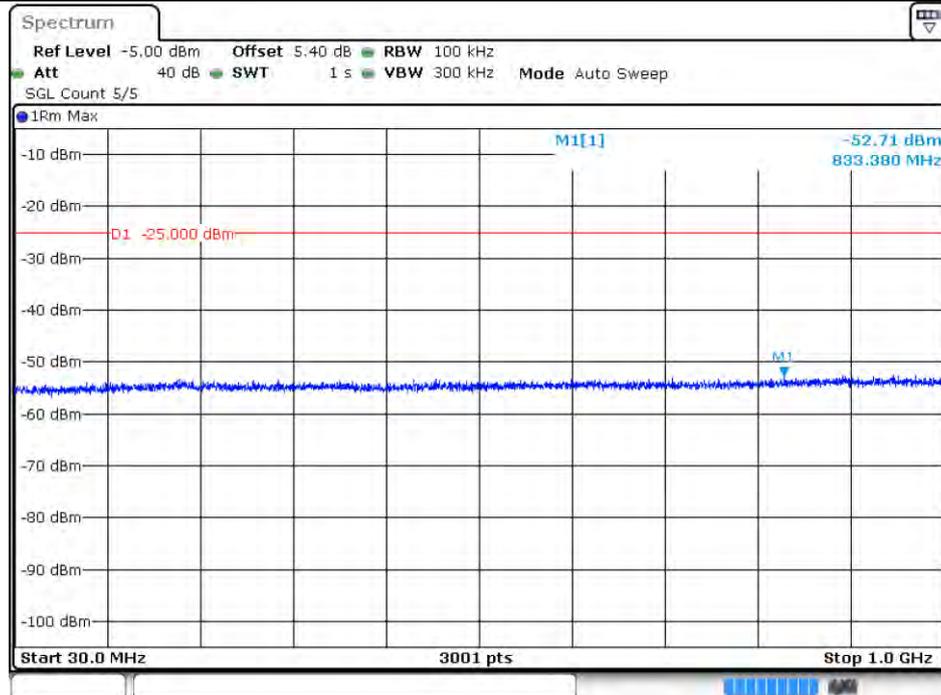


CA\_7C\_100RB+100RB\_QPSK\_21199+21001\_1RB#0+0RB#0\_12750\_30000



Date: 7.MAY.2021 22:28:20

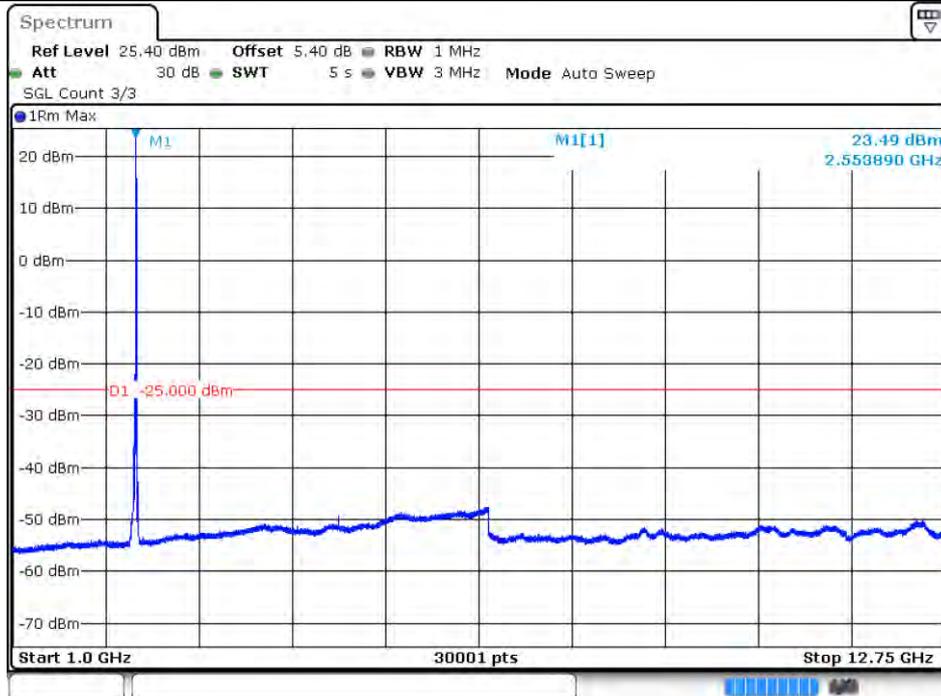
CA\_7C\_100RB+100RB\_QPSK\_21199+21001\_0RB#0+1RB#99\_30\_1000



Date: 7.MAY.2021 22:10:55

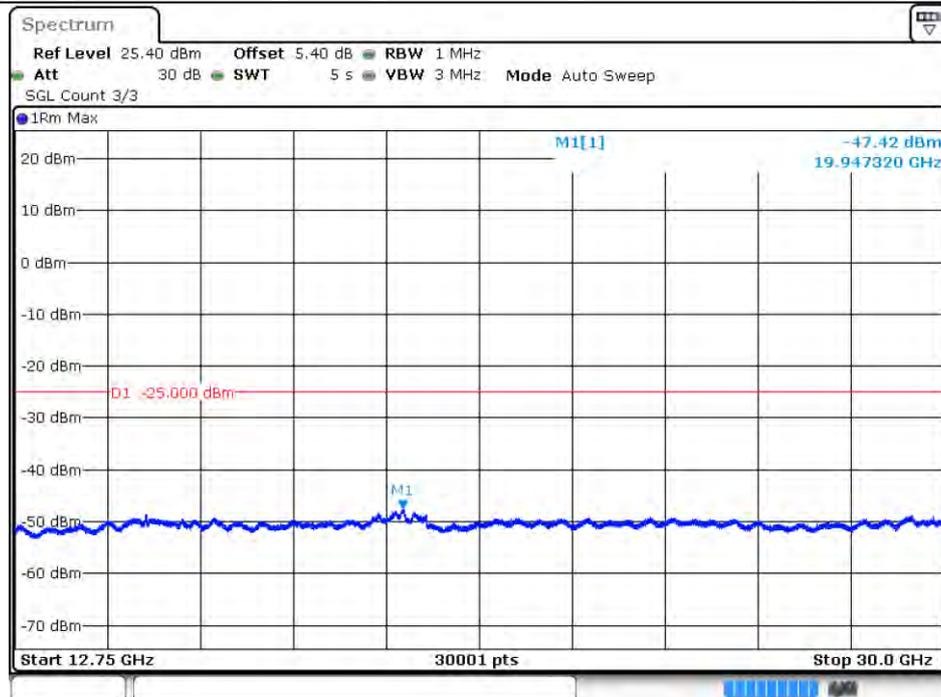


CA\_7C\_100RB+100RB\_QPSK\_21199+21001\_ORB#0+1RB#99\_1000\_12750



Date: 7.MAY.2021 22:18:29

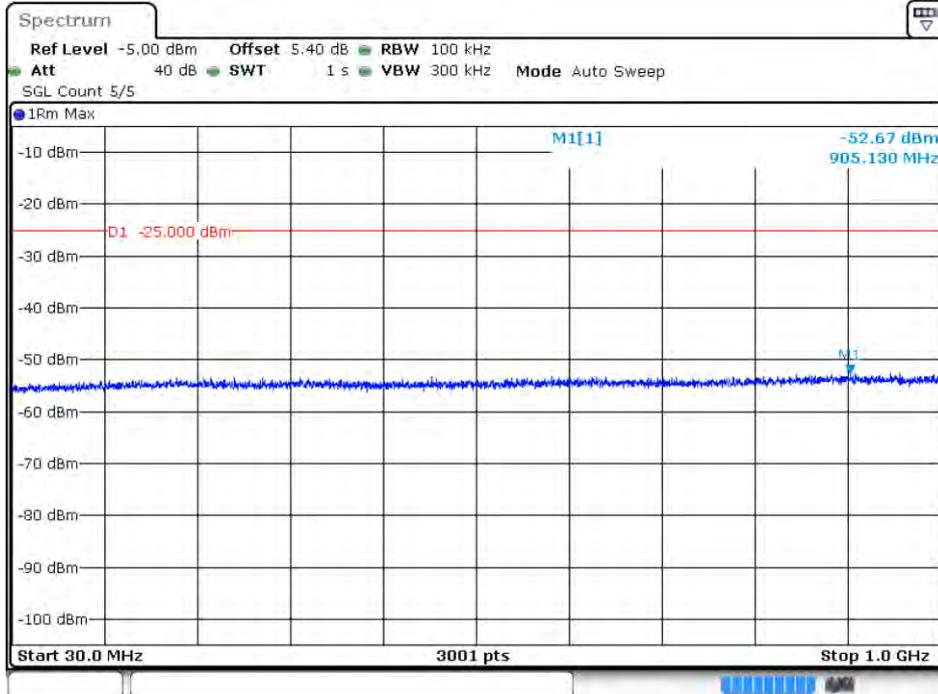
CA\_7C\_100RB+100RB\_QPSK\_21199+21001\_ORB#0+1RB#99\_12750\_30000



Date: 7.MAY.2021 22:28:37

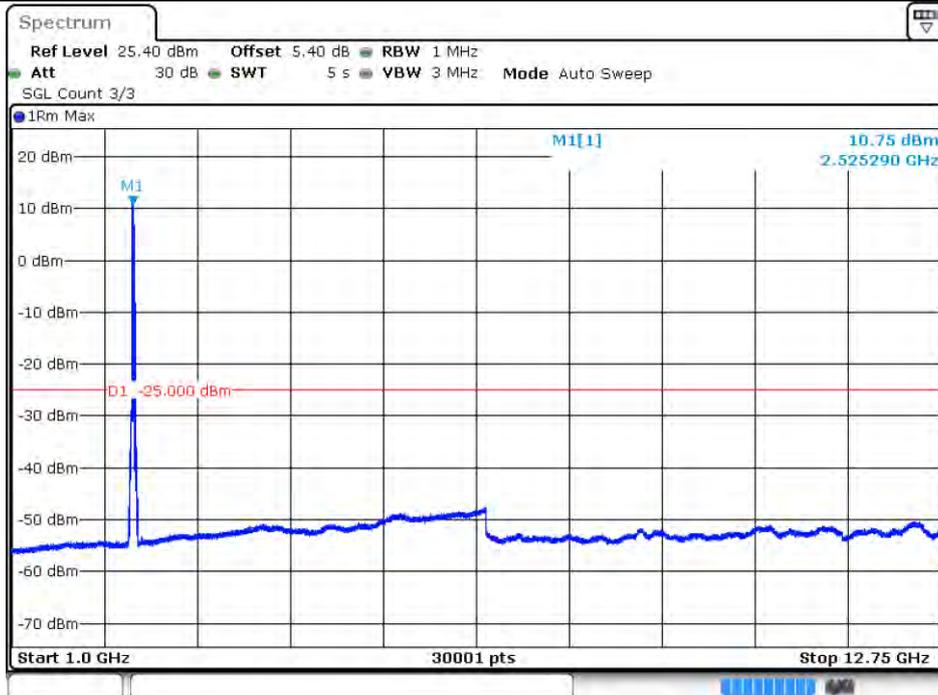


CA\_7C\_100RB+100RB\_QPSK\_21199+21001\_100RB#0+100RB#0\_30\_1000



Date: 7.MAY.2021 22:11:02

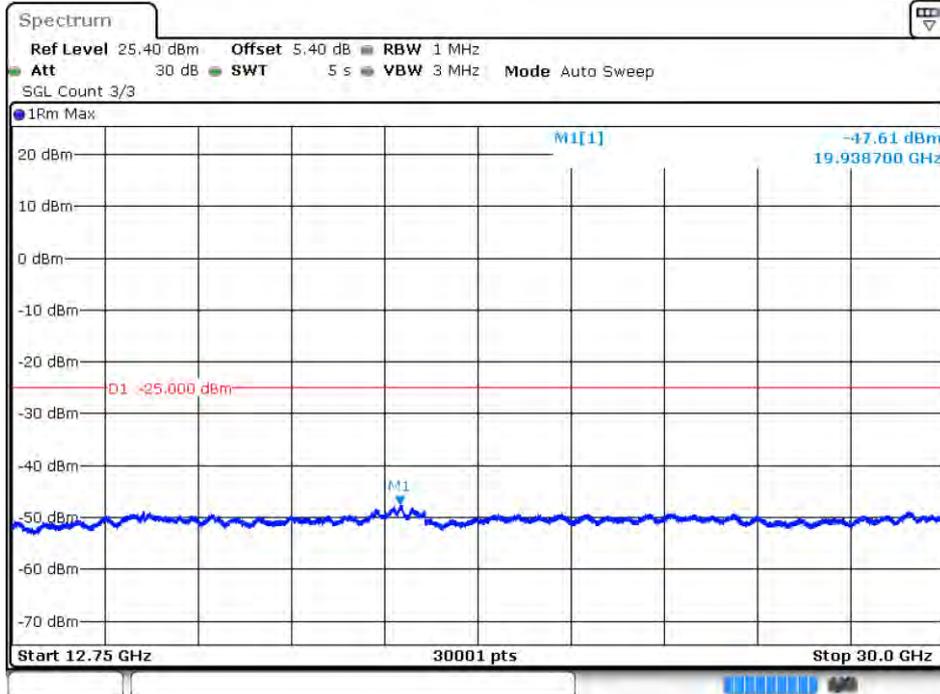
CA\_7C\_100RB+100RB\_QPSK\_21199+21001\_100RB#0+100RB#0\_1000\_12750



Date: 7.MAY.2021 22:18:46

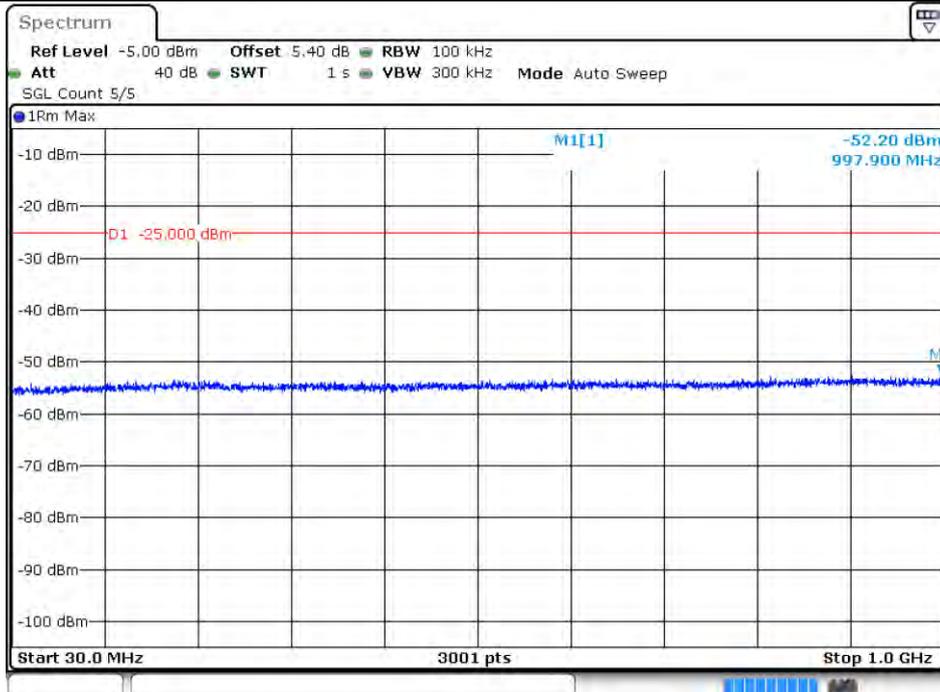


CA\_7C\_100RB+100RB\_QPSK\_21199+21001\_100RB#0+100RB#0\_12750\_30000



Date: 7.MAY.2021 22:28:55

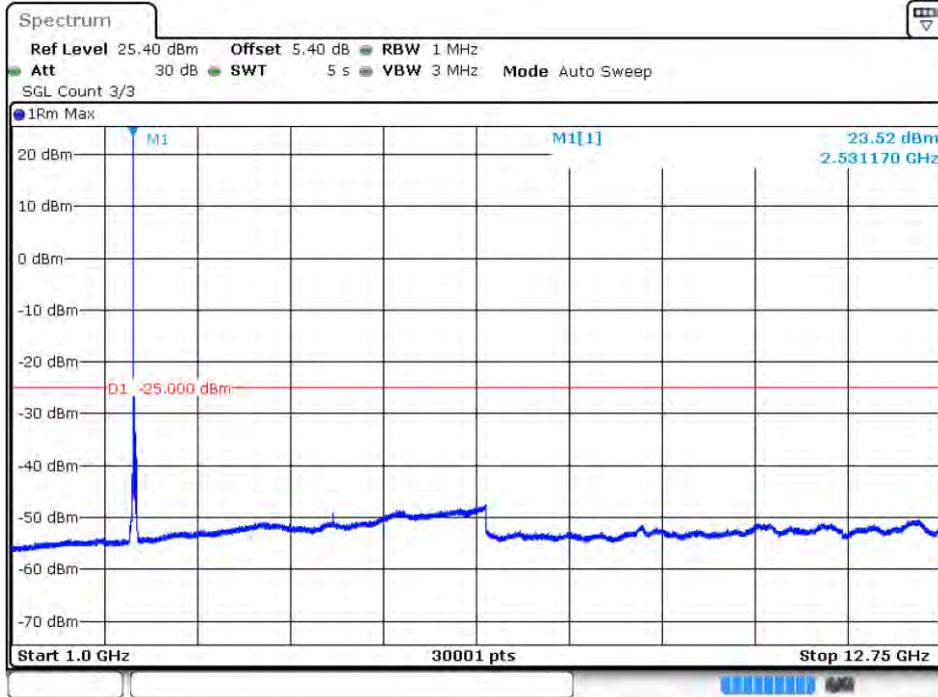
CA\_7C\_100RB+100RB\_QPSK\_21350+21152\_1RB#0+0RB#0\_30\_1000



Date: 7.MAY.2021 22:13:35

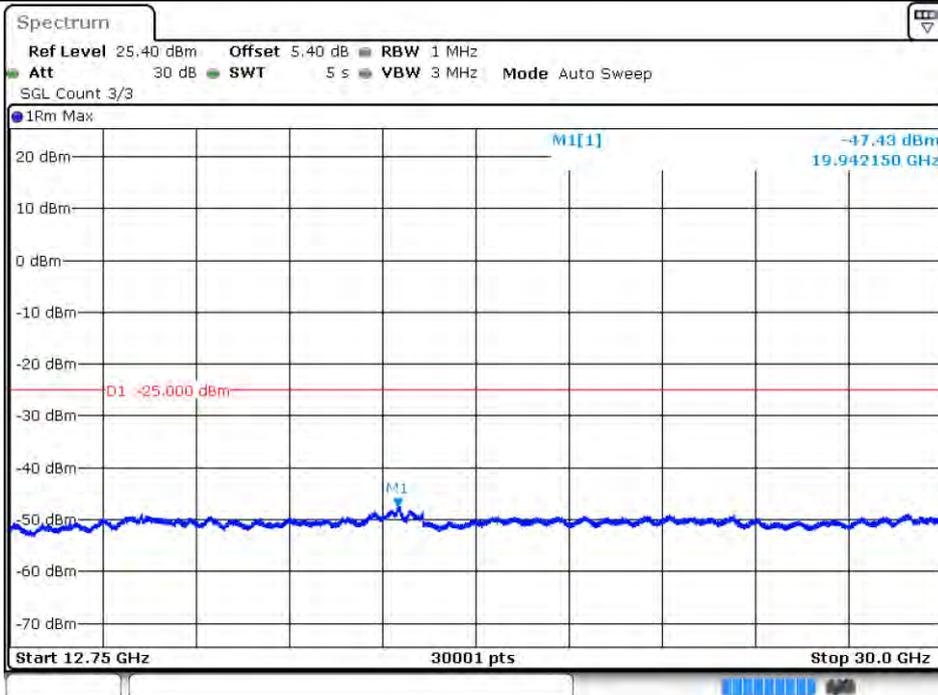


CA\_7C\_100RB+100RB\_QPSK\_21350+21152\_1RB#0+0RB#0\_1000\_12750



Date: 7.MAY.2021 22:22:19

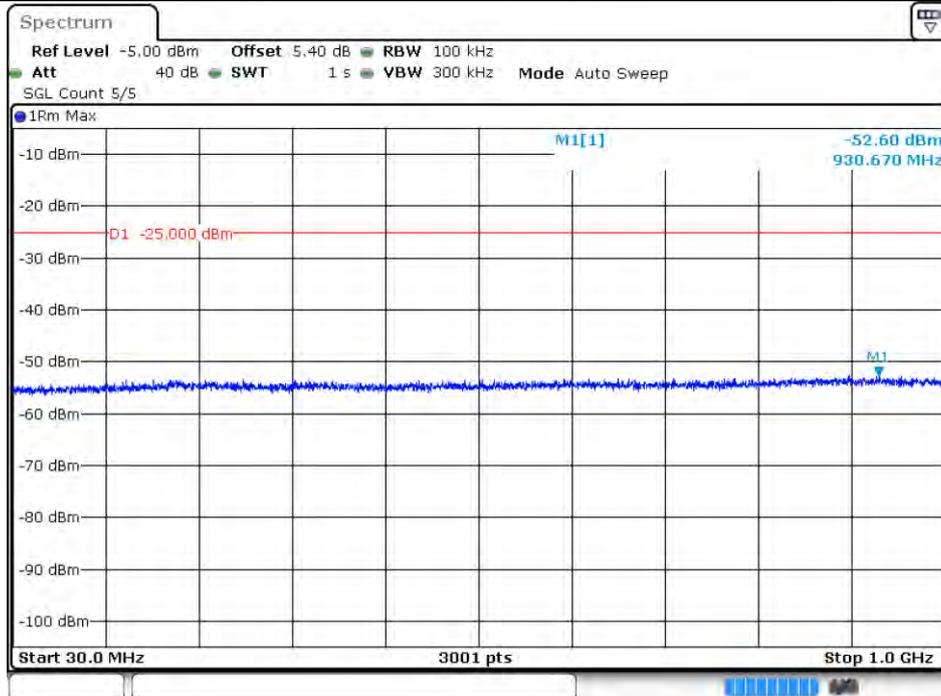
CA\_7C\_100RB+100RB\_QPSK\_21350+21152\_1RB#0+0RB#0\_12750\_30000



Date: 7.MAY.2021 22:31:14

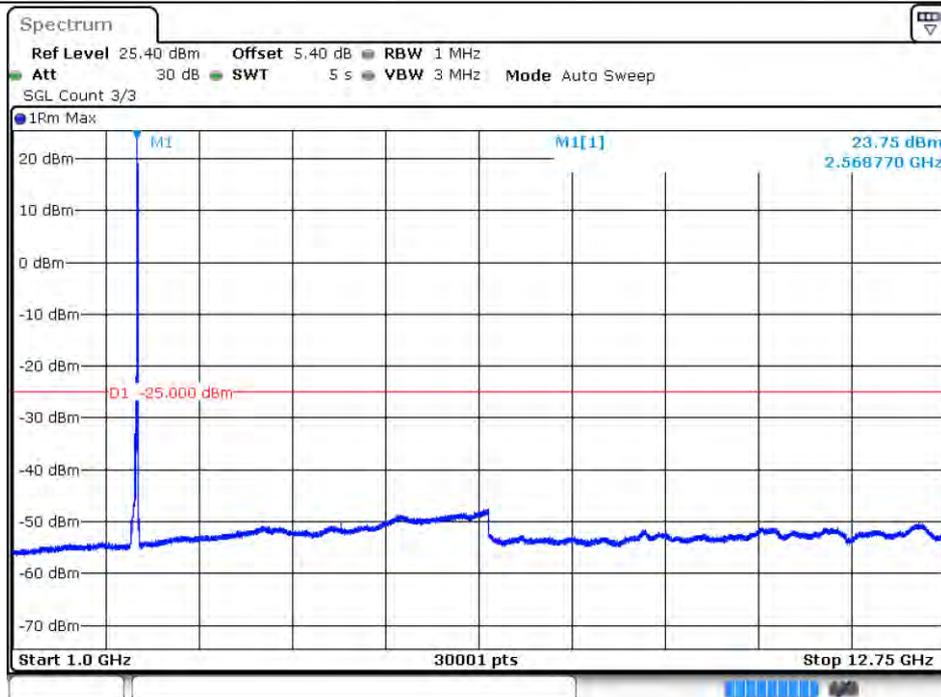


CA\_7C\_100RB+100RB\_QPSK\_21350+21152\_0RB#0+1RB#99\_30\_1000



Date: 7.MAY.2021 22:13:42

CA\_7C\_100RB+100RB\_QPSK\_21350+21152\_0RB#0+1RB#99\_1000\_12750

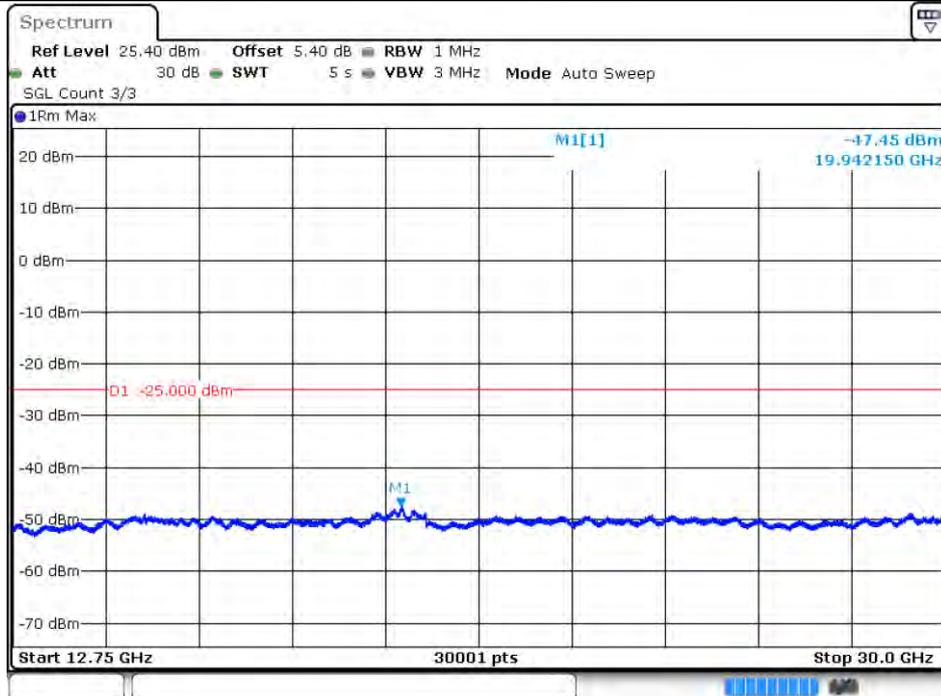


Date: 7.MAY.2021 22:22:36



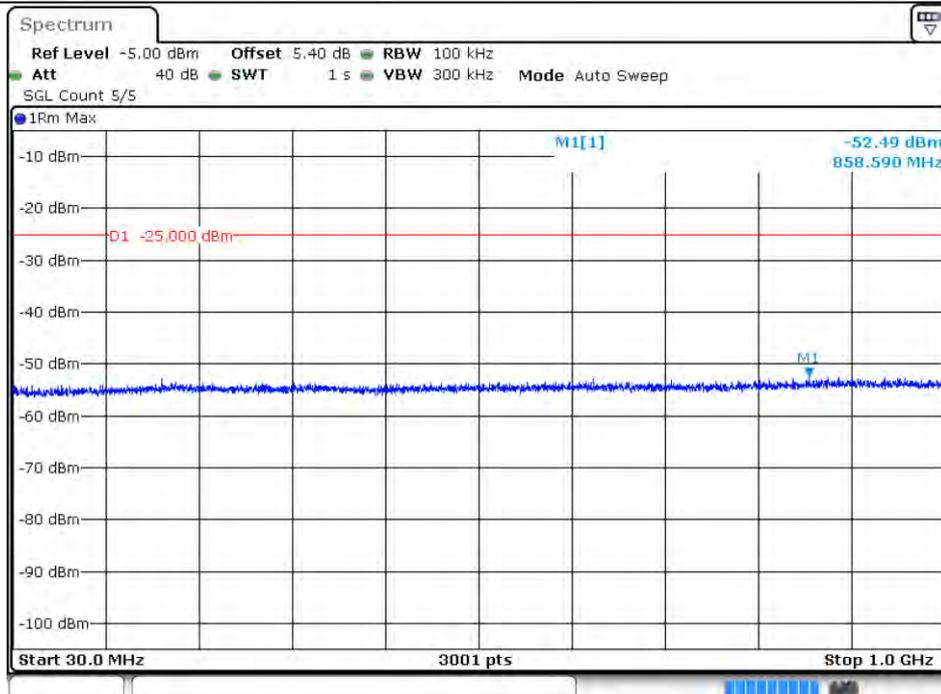


CA\_7C\_100RB+100RB\_QPSK\_21350+21152\_0RB#0+1RB#99\_12750\_30000



Date: 7.MAY.2021 22:31:32

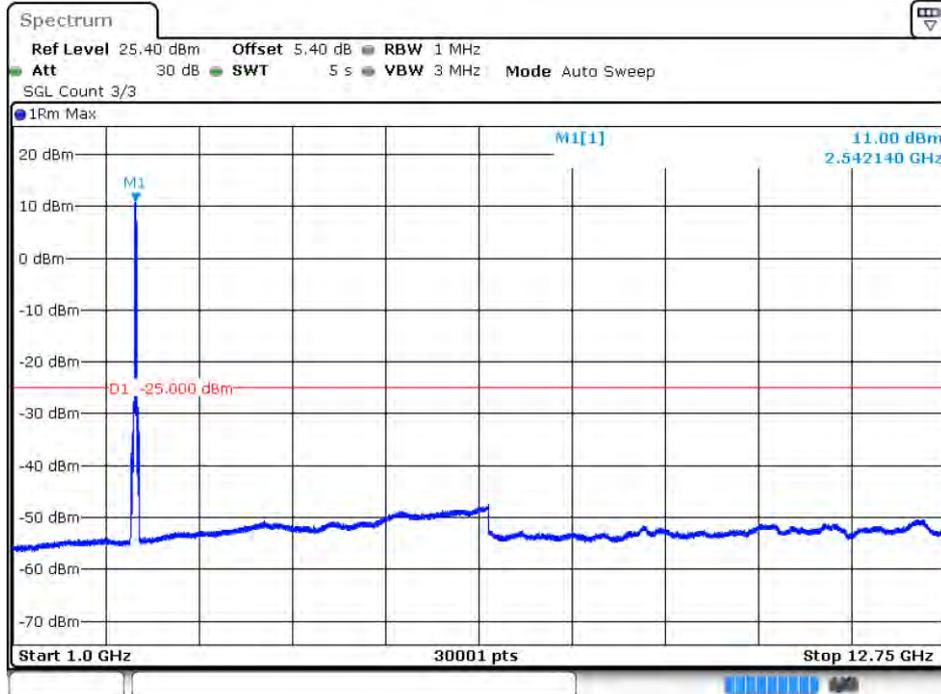
CA\_7C\_100RB+100RB\_QPSK\_21350+21152\_100RB#0+100RB#0\_30\_1000



Date: 7.MAY.2021 22:13:48

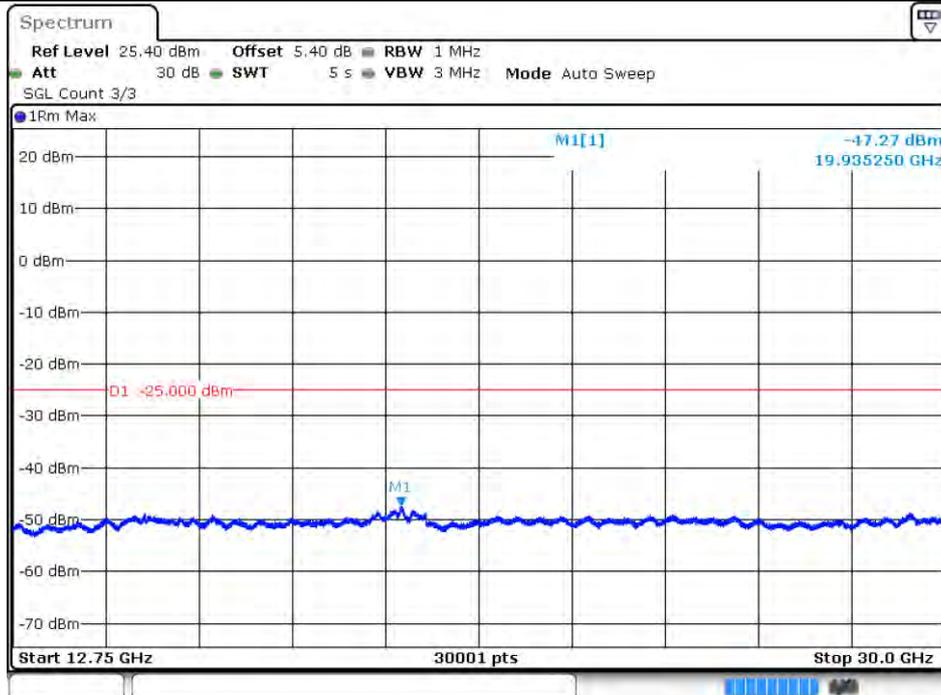


CA\_7C\_100RB+100RB\_QPSK\_21350+21152\_100RB#0+100RB#0\_1000\_12750



Date: 7.MAY.2021 22:22:53

CA\_7C\_100RB+100RB\_QPSK\_21350+21152\_100RB#0+100RB#0\_12750\_30000



Date: 7.MAY.2021 22:31:49



## 7 Field Strength of Spurious Radiation

### 7.1 For LTE UL CA

Below 1GHz:

7.1. Test Band = 7C\_ 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	39.38	-59.89	-25.00	34.89	Horizontal
2	41.2543	33.04	-64.55	-25.00	39.55	Horizontal
3	100.4361	24.20	-73.99	-25.00	48.99	Horizontal
4	202.6945	23.99	-73.49	-25.00	48.49	Horizontal
5	394.2108	24.92	-66.90	-25.00	41.90	Horizontal
6	968.7598	22.83	-59.06	-25.00	34.06	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**7.2. Test Band = 7C\_ ANT0**  
**7.2.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.1344	39.80	-59.47	-25.00	34.47	Vertical
2	46.1052	32.54	-64.26	-25.00	39.26	Vertical
3	101.4063	24.17	-74.05	-25.00	49.05	Vertical
4	247.7115	24.12	-71.95	-25.00	46.95	Vertical
5	520.1420	23.78	-64.96	-25.00	39.96	Vertical
6	996.8954	22.95	-58.71	-25.00	33.71	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



**7.3. Test Band = 7C ANT3**

**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	39.01	-60.26	-25.00	35.26	Horizontal
2	41.2543	33.20	-64.39	-25.00	39.39	Horizontal
3	104.8990	24.07	-74.25	-25.00	49.25	Horizontal
4	333.2827	23.60	-69.94	-25.00	44.94	Horizontal
5	559.9200	22.93	-64.70	-25.00	39.70	Horizontal
6	988.5517	23.33	-58.44	-25.00	33.44	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**7.4. Test Band = 7C ANT3**

**7.4.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.3285	40.36	-58.91	-25.00	33.91	Vertical
2	42.6125	32.84	-64.48	-25.00	39.48	Vertical
3	105.2871	23.94	-74.39	-25.00	49.39	Vertical
4	343.3727	23.57	-69.57	-25.00	44.57	Vertical
5	650.1480	22.84	-63.37	-25.00	38.37	Vertical
6	961.9684	23.22	-58.82	-25.00	33.82	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Above 1GHz:**

**7.5. Test Band = 7C\_\_ANT0**

**7.5.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.5200	21.72	-48.54	-25.00	23.54	Horizontal
2	2125.9563	21.96	-46.31	-25.00	21.31	Horizontal
3	4774.5887	50.92	-59.68	-25.00	34.68	Horizontal
4	7141.7071	49.48	-53.72	-25.00	28.72	Horizontal
5	10693.884	48.16	-49.08	-25.00	24.08	Horizontal
6	17980.499	49.76	-43.71	-25.00	18.71	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**7.6. Test Band = 7C\_\_ANT0**

**7.6.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1326.6163	21.77	-48.63	-25.00	23.63	Vertical
2	1791.2396	22.09	-48.08	-25.00	23.08	Vertical
3	4524.8262	51.54	-60.28	-25.00	35.28	Vertical
4	7471.7236	49.52	-52.74	-25.00	27.74	Vertical
5	11366.668	47.45	-48.21	-25.00	23.21	Vertical
6	17981.249	49.86	-43.63	-25.00	18.63	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**7.7. Test Band = 7C\_\_ ANT0**

**7.7.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1261.9131	22.02	-48.36	-25.00	23.36	Horizontal
2	1941.2471	22.11	-47.07	-25.00	22.07	Horizontal
3	4040.3020	52.80	-61.04	-25.00	36.04	Horizontal
4	7357.7179	49.58	-53.36	-25.00	28.36	Horizontal
5	11219.661	47.97	-47.76	-25.00	22.76	Horizontal
6	17949.747	49.11	-43.72	-25.00	18.72	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**7.8. Test Band = 7C\_\_ ANT0**  
**7.8.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1260.8130	22.09	-48.26	-25.00	23.26	Vertical
2	2021.7511	21.98	-46.68	-25.00	21.68	Vertical
3	4395.0698	51.87	-60.50	-25.00	35.50	Vertical
4	7468.7234	50.79	-51.50	-25.00	26.50	Vertical
5	9600.3300	47.64	-50.59	-25.00	25.59	Vertical
6	17834.991	49.29	-44.93	-25.00	19.93	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**7.9. Test Band = 7C\_\_ ANT0**

**7.9.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1351.7176	22.00	-48.20	-25.00	23.20	Horizontal
2	1869.1435	21.77	-47.75	-25.00	22.75	Horizontal
3	4722.8361	50.98	-59.81	-25.00	34.81	Horizontal
4	7745.4873	49.05	-53.10	-25.00	28.10	Horizontal
5	10146.357	47.21	-50.41	-25.00	25.41	Horizontal
6	17943.747	48.66	-44.19	-25.00	19.19	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**7.10. Test Band = 7C\_\_ ANT0**

**7.10.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1292.0146	22.22	-48.33	-25.00	23.33	Vertical
2	1774.0387	22.03	-47.96	-25.00	22.96	Vertical
3	4202.3101	51.68	-61.07	-25.00	36.07	Vertical
4	7476.9738	49.74	-52.48	-25.00	27.48	Vertical
5	10567.878	47.09	-50.04	-25.00	25.04	Vertical
6	17912.995	48.78	-44.17	-25.00	19.17	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



**7.11. Test Band = 7C\_\_ANT3**

**7.11.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1353.8177	22.00	-48.22	-25.00	23.22	Horizontal
2	1781.1391	21.97	-48.10	-25.00	23.10	Horizontal
3	4320.0660	52.09	-60.70	-25.00	35.70	Horizontal
4	7478.4739	49.85	-52.36	-25.00	27.36	Horizontal
5	12419.721	47.41	-46.60	-25.00	21.60	Horizontal
6	17992.499	50.25	-43.47	-25.00	18.47	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**7.12. Test Band = 7C\_\_ANT3**

**7.12.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1255.7128	22.29	-48.21	-25.00	23.21	Vertical
2	1761.8381	22.28	-47.75	-25.00	22.75	Vertical
3	4326.8163	51.92	-60.85	-25.00	35.85	Vertical
4	7509.2255	49.43	-52.75	-25.00	27.75	Vertical
5	11215.160	48.09	-47.62	-25.00	22.62	Vertical
6	17977.498	49.70	-43.71	-25.00	18.71	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**7.13. Test Band = 7C\_\_ANT3**

**7.13.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1292.2146	21.83	-48.72	-25.00	23.72	Horizontal
2	2023.5512	21.65	-47.08	-25.00	22.08	Horizontal
3	4365.8183	51.75	-60.83	-25.00	35.83	Horizontal
4	6736.6868	50.10	-54.02	-25.00	29.02	Horizontal
5	11320.916	47.89	-47.93	-25.00	22.93	Horizontal
6	17909.995	49.09	-43.87	-25.00	18.87	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**7.14. Test Band = 7C\_\_ANT3**

**7.14.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1363.1182	21.56	-48.68	-25.00	23.68	Vertical
2	1944.3472	21.88	-47.34	-25.00	22.34	Vertical
3	4773.0887	51.24	-59.35	-25.00	34.35	Vertical
4	6956.4478	50.10	-53.70	-25.00	28.70	Vertical
5	11243.662	47.93	-47.89	-25.00	22.89	Vertical
6	17988.749	49.64	-44.00	-25.00	19.00	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



**7.15. Test Band = 7C\_\_ANT3**

**7.15.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1341.6171	22.05	-48.40	-25.00	23.40	Horizontal
2	1873.2437	21.74	-47.70	-25.00	22.70	Horizontal
3	4868.3434	51.40	-58.97	-25.00	33.97	Horizontal
4	8351.5176	49.61	-51.66	-25.00	26.66	Horizontal
5	11933.696	47.76	-46.89	-25.00	21.89	Horizontal
6	17986.499	49.66	-43.94	-25.00	18.94	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**7.16. Test Band = 7C\_\_ANT3**

**7.16.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1347.3174	21.72	-48.55	-25.00	23.55	Vertical
2	1975.0488	21.57	-47.13	-25.00	22.13	Vertical
3	4007.3004	52.43	-61.26	-25.00	36.26	Vertical
4	7467.9734	49.59	-52.70	-25.00	27.70	Vertical
5	10626.381	48.00	-48.85	-25.00	23.85	Vertical
6	17932.496	49.15	-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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

## 8 Frequency Stability

### 8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	RB	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			Config					
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	TN	NV	5.18	0.002067	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	TN	NV	5.53	0.002189	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	TN	NV	-5.86	-0.002305	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	TN	NV	-2.08	-0.000820	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	TN	NV	11.79	0.004631	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	TN	NV	-14.40	-0.005626	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	TN	NV	14.61	0.005831	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	TN	NV	-1.51	-0.000600	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	TN	NV	-2.50	-0.000983	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	TN	NV	0.41	0.000164	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	TN	NV	14.87	0.005845	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	TN	NV	-12.96	-0.005061	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	TN	NV	-14.53	-0.005800	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	TN	NV	-11.11	-0.004399	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	TN	NV	-14.56	-0.005732	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	TN	NV	7.55	0.002986	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	TN	NV	9.38	0.003686	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	TN	NV	-5.92	-0.002312	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	RB	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			Config					
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-30	-5.26	-0.002099	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-20	-2.70	-0.001079	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-10	1.66	0.000662	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	0	-12.15	-0.004850	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	10	12.69	0.005063	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	20	-6.58	-0.002628	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	30	-4.46	-0.001782	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	40	6.36	0.002537	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	50	-2.29	-0.000914	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-30	-10.28	-0.004072	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-20	10.62	0.004207	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-10	12.66	0.005015	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	0	-5.19	-0.002054	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	10	-9.81	-0.003885	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	20	2.08	0.000823	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	30	-11.97	-0.004742	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	40	11.29	0.004470	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	50	-1.75	-0.000691	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-30	-11.41	-0.004494	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-20	-4.93	-0.001940	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-10	7.50	0.002954	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	0	5.76	0.002266	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	10	-11.51	-0.004532	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	20	-11.66	-0.004590	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	30	13.50	0.005313	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	40	8.48	0.003339	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	50	-0.19	-0.000074	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-30	10.20	0.004034	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-20	-13.34	-0.005273	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-10	0.96	0.000381	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	0	6.85	0.002708	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	10	-5.99	-0.002369	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	20	-4.66	-0.001842	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	30	11.76	0.004648	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	40	4.27	0.001688	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	50	9.58	0.003786	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-30	13.45	0.005287	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-20	2.30	0.000902	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-10	11.33	0.004451	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	0	8.75	0.003438	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	10	10.95	0.004301	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	20	-7.47	-0.002934	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	30	-10.24	-0.004025	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	40	-13.38	-0.005256	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	50	-13.18	-0.005177	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-30	-1.97	-0.000771	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-20	-5.60	-0.002188	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-10	13.59	0.005310	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	0	5.73	0.002240	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	10	5.75	0.002247	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)



CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	20	-0.79	-0.000307	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	30	4.74	0.001850	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	40	-0.99	-0.000385	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	50	14.32	0.005594	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-30	1.47	0.000588	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-20	-11.89	-0.004745	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-10	14.91	0.005951	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	0	2.60	0.001039	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	10	7.69	0.003068	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	20	-6.31	-0.002519	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	30	6.63	0.002648	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	40	1.78	0.000711	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	50	-5.52	-0.002203	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-30	-6.05	-0.002395	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-20	7.10	0.002810	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-10	14.46	0.005728	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	0	12.07	0.004780	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	10	0.57	0.000226	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	20	-9.23	-0.003654	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	30	-4.68	-0.001853	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	40	14.21	0.005626	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	50	-3.65	-0.001447	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-30	4.85	0.001910	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-20	4.62	0.001819	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-10	-1.05	-0.000414	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	0	-11.11	-0.004373	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	10	1.13	0.000446	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	20	-11.25	-0.004428	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	30	10.65	0.004194	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	40	-1.47	-0.000579	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	50	1.11	0.000436	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-30	-11.67	-0.004613	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-20	1.82	0.000720	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-10	10.02	0.003962	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	0	5.70	0.002253	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	10	9.89	0.003908	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	20	-0.41	-0.000162	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	30	-6.02	-0.002380	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	40	-14.20	-0.005612	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	50	-1.37	-0.000540	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-30	-4.38	-0.001719	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-20	-12.77	-0.005019	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-10	-13.40	-0.005264	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	0	11.16	0.004384	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	10	-13.93	-0.005473	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	20	5.40	0.002122	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	30	3.52	0.001384	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	40	11.59	0.004553	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	50	-11.73	-0.004608	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-30	5.42	0.002117	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-20	0.86	0.000336	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-10	-5.84	-0.002282	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	0	13.60	0.005313	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	10	-13.21	-0.005160	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	20	7.36	0.002876	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	30	-0.68	-0.000265	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	40	1.33	0.000518	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	50	11.62	0.004539	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-30	-0.95	-0.000381	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-20	6.18	0.002468	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-10	3.22	0.001286	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	0	-11.90	-0.004749	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	10	-8.55	-0.003411	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	20	13.01	0.005192	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	30	-14.06	-0.005612	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	40	-11.99	-0.004784	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	50	0.04	0.000016	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-30	12.99	0.005145	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-20	-8.27	-0.003275	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-10	-7.27	-0.002880	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	0	-11.95	-0.004731	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	10	2.40	0.000952	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	20	-1.38	-0.000547	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	30	0.33	0.000132	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	40	-5.97	-0.002364	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	50	4.78	0.001892	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-30	-7.87	-0.003099	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-20	-0.57	-0.000223	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-10	7.04	0.002769	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	0	2.49	0.000982	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	10	12.78	0.005033	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	20	-6.42	-0.002527	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	30	-11.58	-0.004560	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	40	6.32	0.002488	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	50	-2.65	-0.001042	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-30	11.27	0.004454	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-20	-3.67	-0.001452	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-10	6.12	0.002420	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	0	-13.82	-0.005463	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	10	-4.62	-0.001825	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	20	9.10	0.003598	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	30	-14.66	-0.005797	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	40	-0.86	-0.000339	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	50	-8.21	-0.003247	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-30	-7.96	-0.003127	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-20	-12.01	-0.004719	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-10	7.84	0.003082	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	0	-10.70	-0.004203	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	10	-5.43	-0.002135	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	20	-5.71	-0.002242	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	30	-10.88	-0.004276	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	40	-14.01	-0.005504	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	50	-8.43	-0.003313	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-30	1.95	0.000762	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-20	-4.37	-0.001707	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-10	-10.94	-0.004273	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	0	3.09	0.001207	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	10	9.78	0.003820	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	20	-3.65	-0.001424	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	30	5.05	0.001972	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	40	0.17	0.000068	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	50	13.19	0.005153	PASS

The End



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)