

Report No.: SZEM180300194501

Page: 1 of 72

Appendix B

E-UTRA Band CA_38C



Report No.: SZEM180300194501

Page

Page: 2 of 72

CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER	OUTPUT DATA3
2 PEAK-TO-AVERAGE RATIO	7
2.1 FOR LTE	
3 MODULATION CHARACTERISTICS	11
3.1 FOR LTE	11
4 BANDWIDTH	
4.1 FOR LTE	16
5 BAND EDGES COMPLIANCE	20
5.1 FOR LTE	
6 SPURIOUS EMISSION AT ANTENNA TERMIN	AL 45
6.1 FOR LTE	45
	45
7 FIELD STRENGTH OF SPURIOUS RADIATION	I58
7.1 For LTE	58
	ntenna58
	lary Antenna61
8 FREQUENCY STABILITY	65
8.1 FREQUENCY ERROR VS. VOLTAGE	65
8.2 Frequency Error VS. Temperature	67



Report No.: SZEM180300194501

Page: 3 of 72

1 Effective (Isotropic) Radiated Power Output Data

Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE Band CA_38C

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	PCC RB/ SCC RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdic t
				75RB#0-75RB#0	21.37	21.87	33.00	PASS
				75RB#0-0RB#0	22.37	22.87	33.00	PASS
			LCH	16RB#0-0RB#0	22.91	23.41	33.00	PASS
			LOH	1RB#74-1RB#0	23.24	23.74	33.00	PASS
				1RB#0-1RB#74	14.12	14.62	33.00	PASS
				1RB#0-0RB#0	22.84	23.34	33.00	PASS
			MCH	75RB#0-75RB#0	21.14	21.64	33.00	PASS
		75RB+75RB		75RB#0-0RB#0	22.32	22.82	33.00	PASS
CA_38C	LTE/TM 1			16RB#0-0RB#0	22.93	23.43	33.00	PASS
071_000				1RB#74-1RB#0	23.11	23.61	33.00	PASS
				1RB#0-1RB#74	14.42	14.92	33.00	PASS
				1RB#0-0RB#0	22.92	23.42	33.00	PASS
				75RB#0-75RB#0	21.41	21.91	33.00	PASS
				75RB#0-0RB#0	22.39	22.89	33.00	PASS
			НСН	16RB#0-0RB#0	22.84	23.34	33.00	PASS
			поп	1RB#74-1RB#0	23.14	23.64	33.00	PASS
				1RB#0-1RB#74	14.34	14.84	33.00	PASS
				1RB#0-0RB#0	22.76	23.26	33.00	PASS



Report No.: SZEM180300194501

Page: 4 of 72

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	PCC RB/ SCC Measured (dBm)		EIRP (dBm)	limit (dBm)	Verdict
				75RB#0-75RB#0	20.25	20.75	33.00	PASS
			LCH	75RB#0-0RB#0	21.39	21.89	33.00	PASS
	LTE/TM2	75RB+75RB		16RB#0-0RB#0	21.89	22.39	33.00	PASS
			MCH	75RB#0-75RB#0	20.31	20.81	33.00	PASS
CA_38C				75RB#0-0RB#0	21.34	21.84	33.00	PASS
				16RB#0-0RB#0	21.94	22.44	33.00	PASS
				75RB#0-75RB#0	20.18	20.68	33.00	PASS
			HCH	75RB#0-0RB#0	21.37	21.87	33.00	PASS
				16RB#0-0RB#0	21.86	22.36	33.00	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	PCC RB/ SCC Measured (dBm)		EIRP (dBm)	limit (dBm)	Verdict
				75RB#0-75RB#0	19.73	20.23	33.00	PASS
			LCH	75RB#0-0RB#0	19.68	20.18	33.00	PASS
	LTE/TM3	TM3 75RB+75RB		16RB#0-0RB#0	20.97	21.47	33.00	PASS
			MCH	75RB#0-75RB#0	19.68	20.18	33.00	PASS
CA_38C				75RB#0-0RB#0	19.71	20.21	33.00	PASS
				16RB#0-0RB#0	20.95	21.45	33.00	PASS
			НСН	75RB#0-75RB#0	19.60	20.10	33.00	PASS
				75RB#0-0RB#0	19.58	20.08	33.00	PASS
				16RB#0-0RB#0	20.82	21.32	33.00	PASS



Report No.: SZEM180300194501

Page: 5 of 72

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	PCC RB/ SCC RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				100RB#0/100RB#0	21.70	22.20	33.00	PASS
				100RB#0/0RB#0	22.56	23.06	33.00	PASS
			LCH	18RB#0/0RB#0	23.27	23.77	33.00	PASS
			LOH	1RB#99/1RB#0	22.41	22.91	33.00	PASS
				1RB#0/1RB#99	14.72	15.22	33.00	PASS
		100RB+100RB		1RB#0/0RB#0	22.48	22.98	33.00	PASS
	LTE/TM1		MCH	100RB#0/100RB#0	21.60	22.10	33.00	PASS
				100RB#0/0RB#0	22.51	23.01	33.00	PASS
CA_38C				18RB#0/0RB#0	23.25	23.75	33.00	PASS
071_000				1RB#99/1RB#0	23.15	23.65	33.00	PASS
				1RB#0/1RB#99	14.65	15.15	33.00	PASS
				1RB#0/0RB#0	23.29	23.79	33.00	PASS
				100RB#0/100RB#0	21.44	21.94	33.00	PASS
				100RB#0/0RB#0	22.56	23.06	33.00	PASS
			HCH	18RB#0/0RB#0	23.28	23.78	33.00	PASS
			11011	1RB#99/1RB#0	23.28	23.78	33.00	PASS
				1RB#0/1RB#99	14.66	15.16	33.00	PASS
				1RB#0/0RB#0	23.27	23.77	33.00	PASS



Report No.: SZEM180300194501

Page: 6 of 72

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	PCC RB/ SCC RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				100RB#0/100RB#0	20.45	20.95	33.00	PASS
			LCH	100RB#0/0RB#0	21.40	21.90	33.00	PASS
	LTE/TM2	7/TM2 100RB+100RB		18RB#0/0RB#0	22.26	22.76	33.00	PASS
			МСН	100RB#0/100RB#0	20.43	20.93	33.00	PASS
CA_38C				100RB#0/0RB#0	21.50	22.00	33.00	PASS
				18RB#0/0RB#0	22.33	22.83	33.00	PASS
			НСН	100RB#0/100RB#0	20.34	20.84	33.00	PASS
				100RB#0/0RB#0	21.47	21.97	33.00	PASS
				18RB#0/0RB#0	22.25	22.75	33.00	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	PCC RB/ SCC RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				100RB#0/100RB#0	19.62	20.12	33.00	PASS
			LCH	100RB#0/0RB#0	19.63	20.13	33.00	PASS
	LTE/TM3	M3 100RB+100RB		18RB#0/0RB#0	21.16	21.66	33.00	PASS
			MCH	100RB#0/100RB#0	19.69	20.19	33.00	PASS
CA_38C				100RB#0/0RB#0	19.74	20.24	33.00	PASS
				18RB#0/0RB#0	21.22	21.72	33.00	PASS
			НСН	100RB#0/100RB#0	19.62	20.12	33.00	PASS
				100RB#0/0RB#0	19.75	20.25	33.00	PASS
				18RB#0/0RB#0	21.13	21.63	33.00	PASS

Note:

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b: SGP=Signal Generator Level

a: For getting the EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,



Report No.: SZEM180300194501

Page: 7 of 72

2 Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	PCC RB	SCC RB	Test Channel	Measured[dB]	Limit [dB]	Verdict
	TM1/75RB+75RB	P_75@0	S_75@0	MCH	7.25	13	PASS
	TM1/75RB+75RB	P_75@0	S_75@0	MCH	6.81	13	PASS
CA 20C	TM1/75RB+75RB	P_75@0	S_75@0	MCH	6.87	13	PASS
CA_38C	TM1/100RB+100RB	P_100@0	S_100@0	MCH	6.14	13	PASS
	TM2/100RB+100RB	P_100@0	S_100@0	MCH	7.77	13	PASS
	TM3/100RB+100RB	P_100@0	S_100@0	MCH	7.30	13	PASS

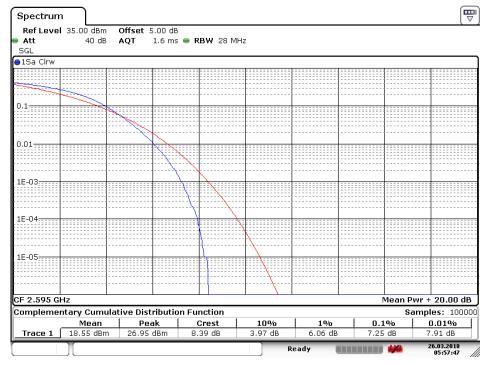
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE Band CA 38C

2.1.1.1 Test Mode = LTE/TM1.Bandwidth=75RB+75RB

2.1.1.1.1 Test Channel = MCH



Date: 26.MAR.2018 05:57:47

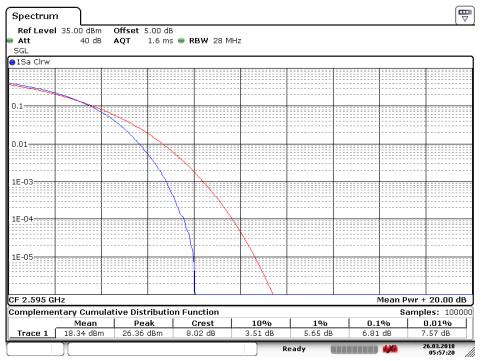


Report No.: SZEM180300194501

Page: 8 of 72

2.1.1.2 Test Mode = LTE/TM2.Bandwidth=75RB+75RB

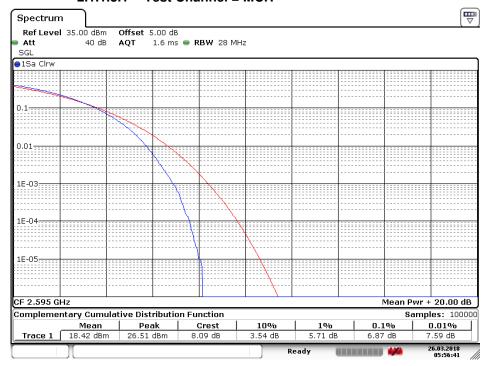
2.1.1.2.1 Test Channel = MCH



Date: 26.MAR.2018 05:57:21

2.1.1.3 Test Mode = LTE/TM3.Bandwidth=75RB+75RB

2.1.1.3.1 Test Channel = MCH



Date: 26.MAR.2018 05:56:41

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions-aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://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 his document is a divised 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 be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, torgery or falsification of the content or appearance of this document tannawful 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.



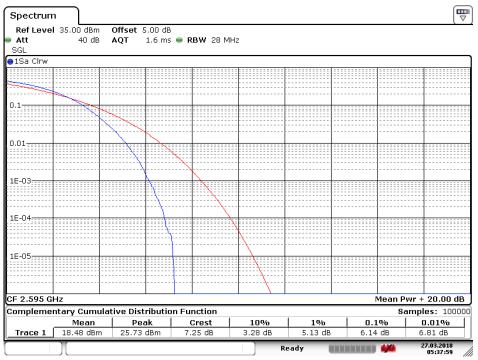
Report No.: SZEM180300194501

Page: 9 of 72

2.1.2 Test Band = LTE BandCA_38C

2.1.2.1 Test Mode = LTE/TM1.Bandwidth=100RB+100RB

2.1.2.1.1 Test Channel = MCH



Date: 27.MAR.2018 05:38:00

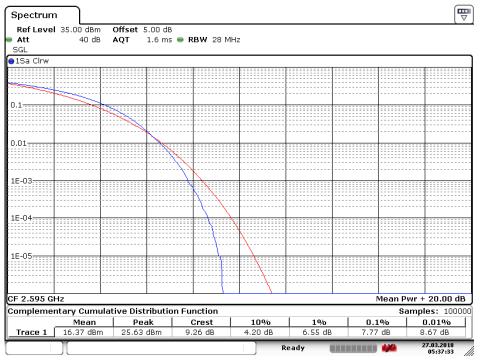


Report No.: SZEM180300194501

Page: 10 of 72

2.1.2.2 Test Mode = LTE/TM2.Bandwidth=100RB+100RB

2.1.2.2.1 Test Channel = MCH



Date: 27.MAR.2018 05:37:33

2.1.2.3 Test Mode = LTE/TM3.Bandwidth=100RB+100RB

2.1.2.3.1 Test Channel = MCH



Date: 27.MAR.2018 05:37:00

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions-aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://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 his document is a divised 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 be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, torgery or falsification of the content or appearance of this document tannawful 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.



Report No.: SZEM180300194501

Page: 11 of 72

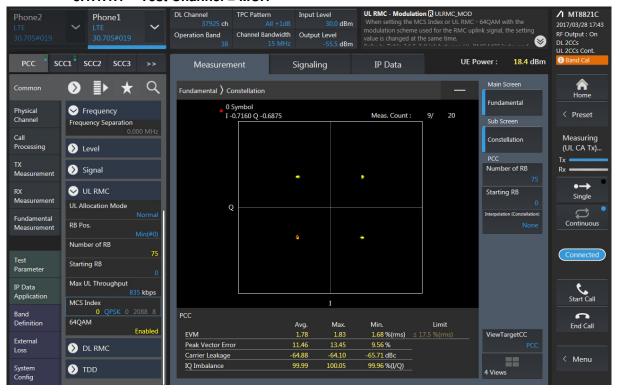
3 Modulation Characteristics

3.1 For LTE

3.1.1 Test Band = LTE Band CA 38C

3.1.1.1 Test Mode = LTE /TM1 75RB+75RB

3.1.1.1.1 Test Channel = MCH



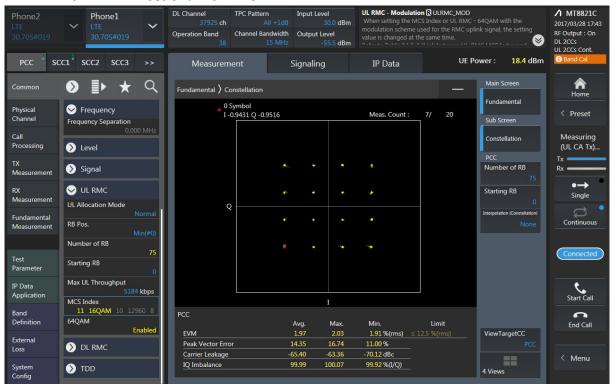


Report No.: SZEM180300194501

Page: 12 of 72

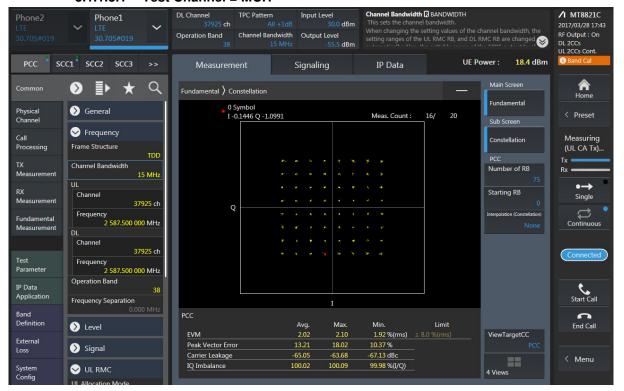
3.1.1.2 Test Mode = LTE /TM2 75RB+75RB

3.1.1.2.1 Test Channel = MCH



3.1.1.3 Test Mode = LTE /TM3 75RB+75RB

3.1.1.3.1 Test Channel = MCH



"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sqs.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 its 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.

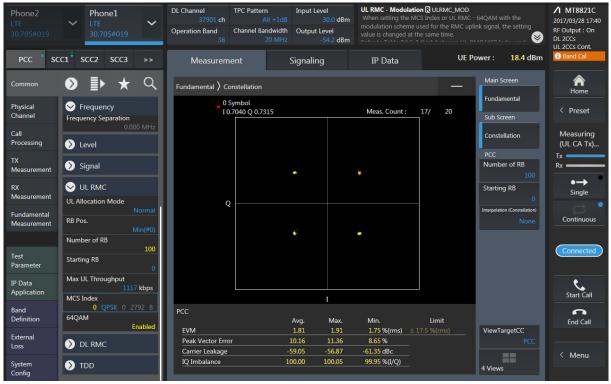


Report No.: SZEM180300194501

Page: 13 of 72

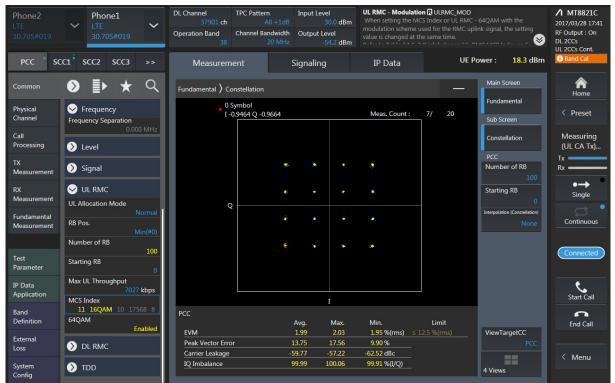
3.1.1.4 Test Mode = LTE /TM1 100RB+100RB

3.1.1.4.1 Test Channel = MCH



3.1.1.5 Test Mode = LTE /TM2 100RB+100RB

3.1.1.5.1 Test Channel = MCH



"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sqs.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 its indevention 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.

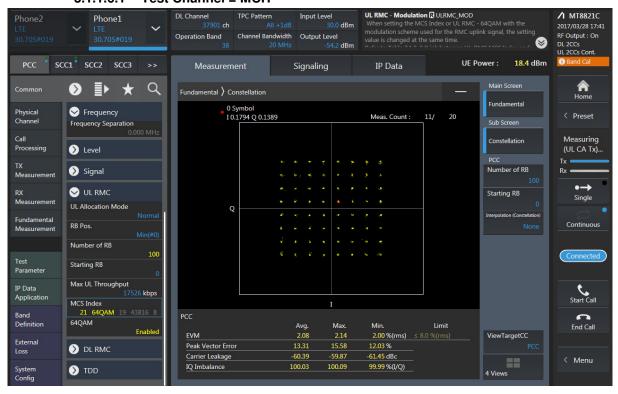


Report No.: SZEM180300194501

Page: 14 of 72

3.1.1.6 Test Mode = LTE /TM3 100RB+100RB

3.1.1.6.1 Test Channel = MCH





Report No.: SZEM180300194501

Page: 15 of 72

4 Bandwidth

Part I - Test Results

Test Band	Test Mode	PCC RB	SCC RB	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
	TM1/75RB+75RB	P_75@0	S_75@0	MCH	28.35	30.03	PASS
	TM1/75RB+75RB	P_75@0	S_75@0	MCH	28.35	30.09	PASS
	TM1/75RB+75RB	P_75@0	S_75@0	MCH	28.35	30.03	PASS
CA_38C	TM1/100RB+100RB	P_100@0	S_100@0	MCH	37.72	39.68	PASS
	TM2/100RB+100RB	P_100@0	S_100@0	MCH	37.56	39.72	PASS
	TM3/100RB+100RB	P_100@0	S_100@0	MCH	37.48	39.72	PASS



Report No.: SZEM180300194501

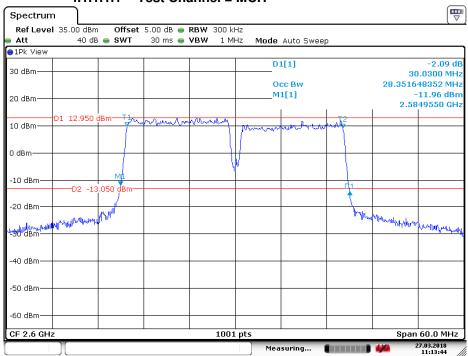
Page: 16 of 72

4.1 For LTE

4.1.1 Test Band = LTE Band CA 38C

4.1.1.1 Test Mode = LTE/TM1 75RB+75RB





Date: 27.MAR.2018 11:13:44

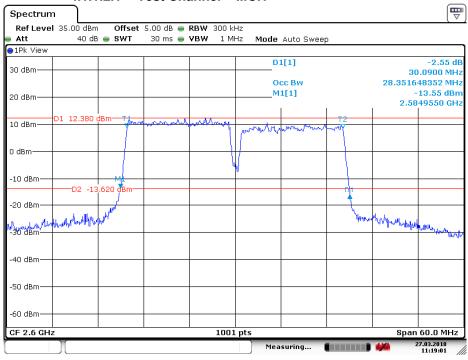


Report No.: SZEM180300194501

Page: 17 of 72

4.1.1.2 Test Mode = LTE/TM2 75RB+75RB

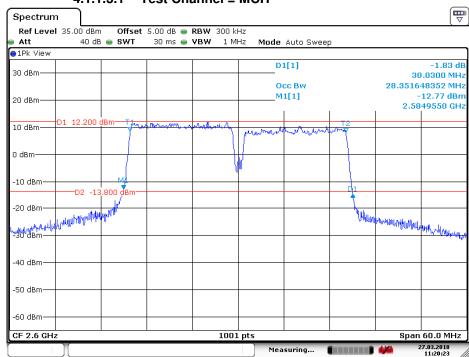
4.1.1.2.1 Test Channel = MCH



Date: 27.MAR.2018 11:19:01

4.1.1.3 Test Mode = LTE/TM3 75RB+75RB

4.1.1.3.1 Test Channel = MCH



Date: 27.MAR.2018 11:20:24

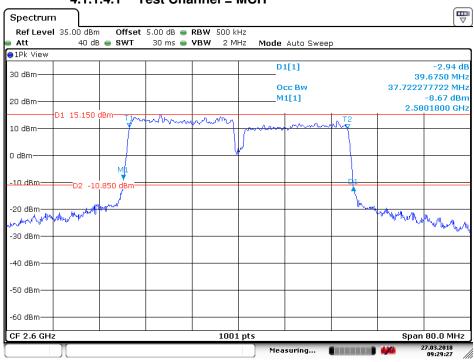


Report No.: SZEM180300194501

Page: 18 of 72

4.1.1.4 Test Mode = LTE/TM1 100RB+100RB

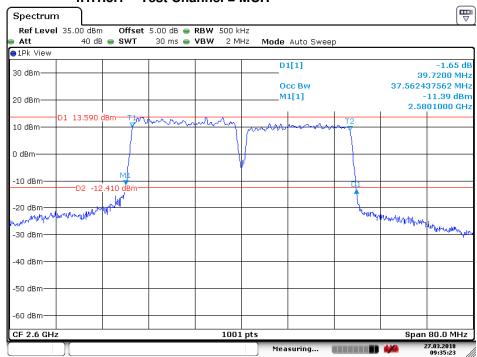
4.1.1.4.1 Test Channel = MCH



Date: 27.MAR.2018 09:29:27

4.1.1.5 Test Mode = LTE/TM2 100RB+100RB

4.1.1.5.1 Test Channel = MCH



Date: 27.MAR.2018 09:35:24

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sqs.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 its 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.

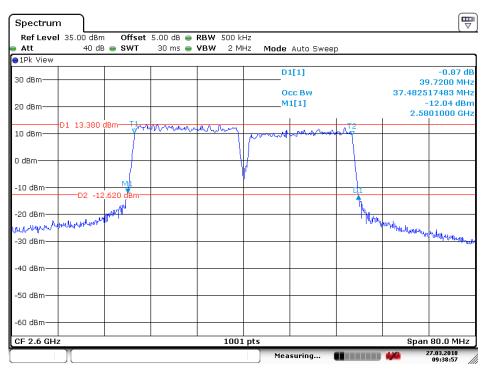


Report No.: SZEM180300194501

Page: 19 of 72

4.1.1.6 Test Mode = LTE/TM3 100RB+100RB

4.1.1.6.1 Test Channel = MCH



Date: 27.MAR.2018 09:38:58



Report No.: SZEM180300194501

Page: 20 of 72

5 Band Edges Compliance

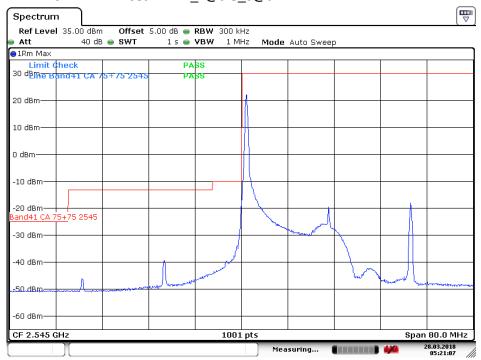
5.1 For LTE

5.1.1 Test Band = LTE Band CA_38C

5.1.1.1 Test Mode = LTE/TM1 75RB+75RB

5.1.1.1.1 Test Channel = LCH

5.1.1.1.1 Test RB= P_1@0 S_0@0



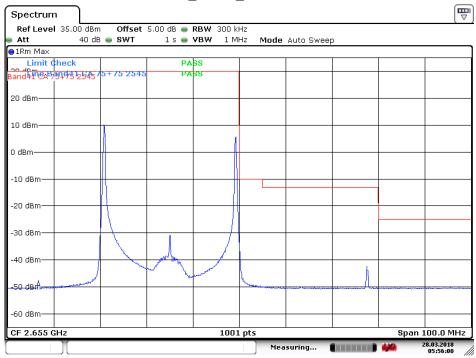
Date: 28.MAR.2018 05:21:07



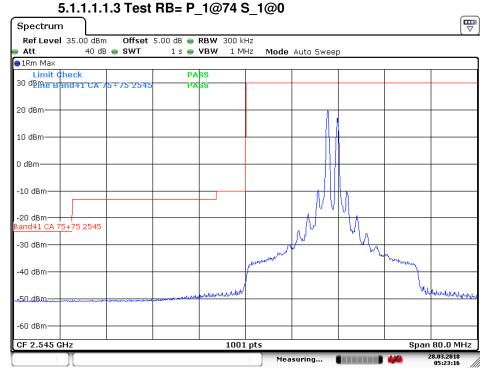
Report No.: SZEM180300194501

Page: 21 of 72

5.1.1.1.1.2 Test RB= P_1@0 S_1@74



Date: 28.MAR.2018 05:56:00



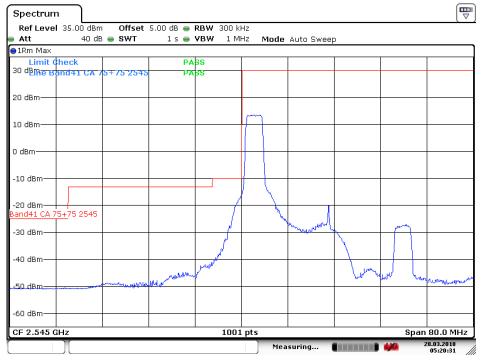
Date: 28.MAR.2018 05:23:17



Report No.: SZEM180300194501

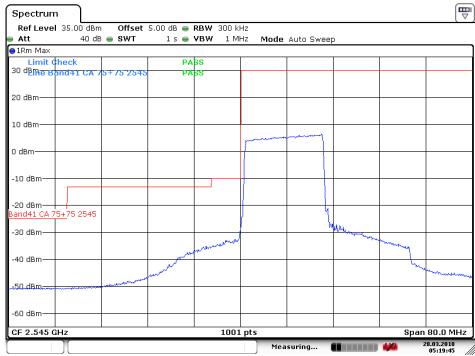
Page: 22 of 72

5.1.1.1.4 Test RB= P_16@0 S_0@0



Date: 28.MAR.2018 05:20:30

5.1.1.1.5 Test RB= P_75@0 S_0@0



Date: 28.MAR.2018 05:19:45

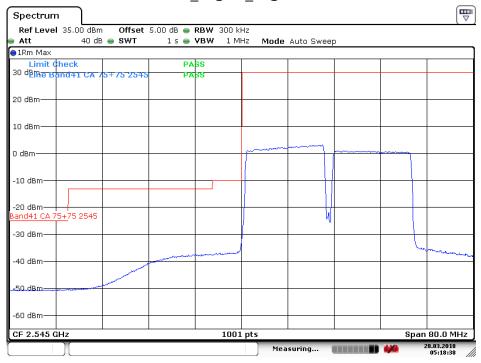
"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sqs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of its 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.



Report No.: SZEM180300194501

Page: 23 of 72

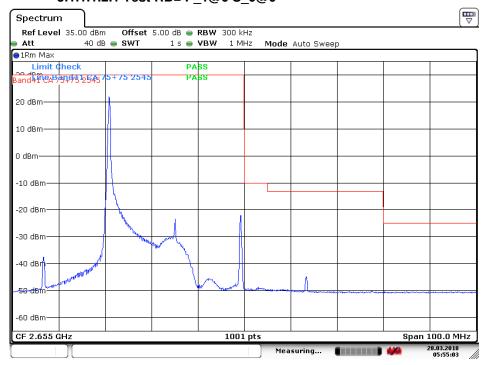
5.1.1.1.6 Test RB= P_75@0 S_75@0



Date: 28.MAR.2018 05:18:38

5.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 Test RB= P 1@0 S 0@0



Date: 28.MAR.2018 05:55:04

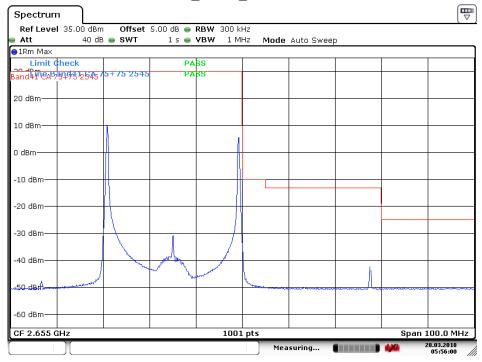
"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sqs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of its indocument 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.



Report No.: SZEM180300194501

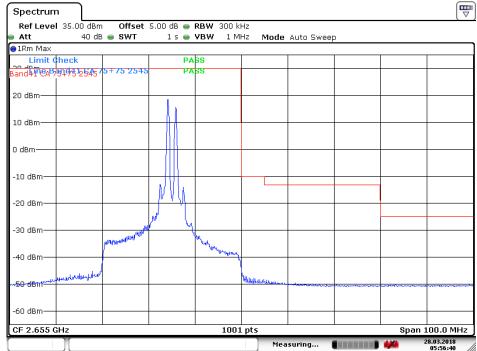
Page: 24 of 72

5.1.1.1.2.2 Test RB= P_1@0 S_1@74



Date: 28.MAR.2018 05:56:00





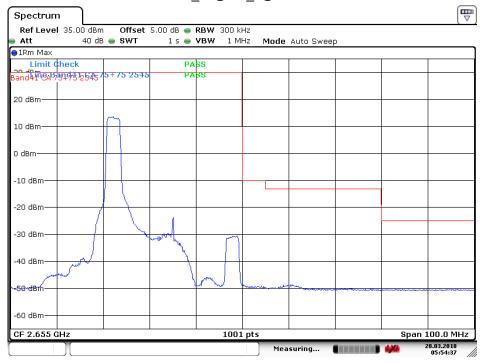
Date: 28.MAR.2018 05:56:40



Report No.: SZEM180300194501

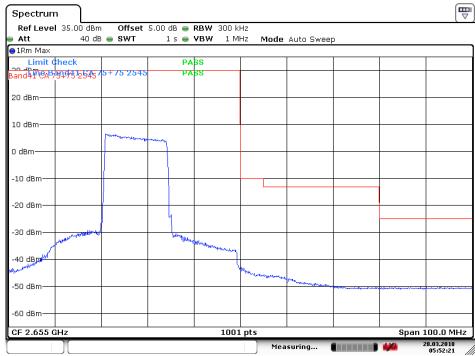
Page: 25 of 72

5.1.1.1.2.4 Test RB= P_16@0 S_0@0



Date: 28.MAR.2018 05:54:37

5.1.1.1.2.5 Test RB= P_75@0 S_0@0



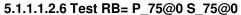
Date: 28.MAR.2018 05:52:21

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sqs.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 its 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.



Report No.: SZEM180300194501

Page: 26 of 72

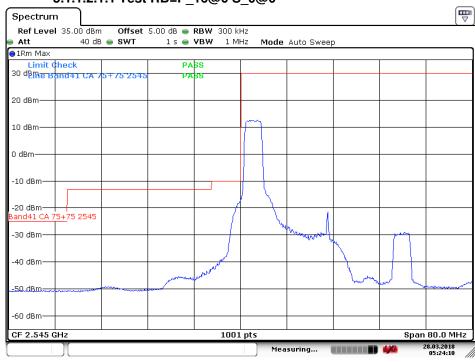




Date: 28.MAR.2018 05:52:00

5.1.1.2 Test Mode = LTE/TM2 75RB+75RB 5.1.1.2.1 Test Channel = LCH

5.1.1.2.1.1 Test RB=P_16@0 S_0@0



Date: 28.MAR.2018 05:24:10

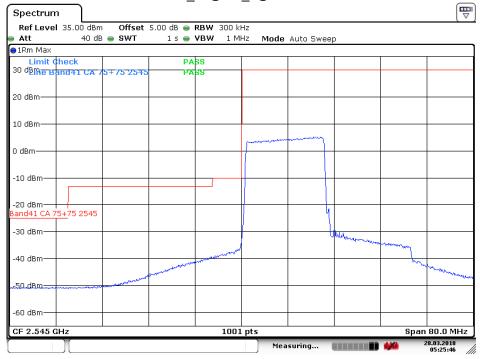
"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sqs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of his 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 to be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, torgery 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.



Report No.: SZEM180300194501

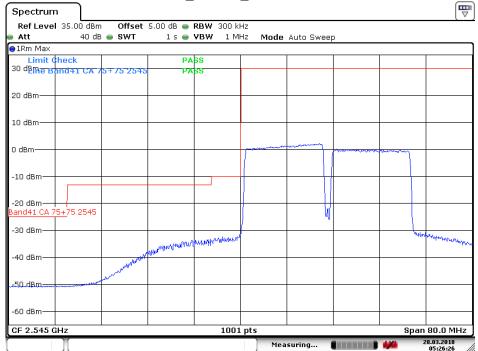
Page: 27 of 72

5.1.1.2.1.2 Test RB=P_75@0 S_0@0



Date: 28.MAR.2018 05:25:46

5.1.1.2.1.3 Test RB=P_75@0 S_75@0



Date: 28.MAR.2018 05:26:27

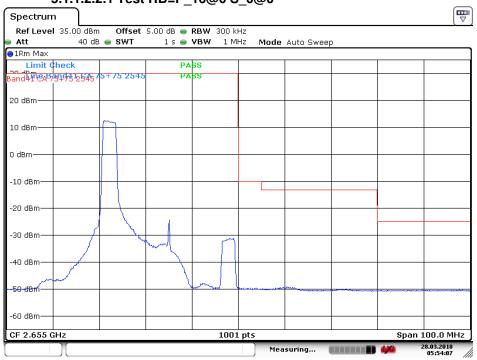


Report No.: SZEM180300194501

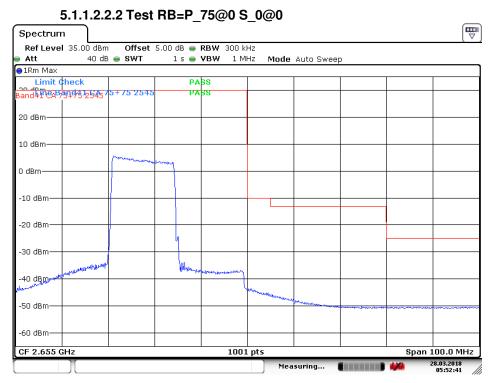
Page: 28 of 72

5.1.1.2.2 Test Channel = HCH

5.1.1.2.2.1 Test RB=P_16@0 S_0@0



Date: 28.MAR.2018 05:54:07

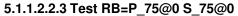


Date: 28.MAR.2018 05:52:42



Report No.: SZEM180300194501

Page: 29 of 72

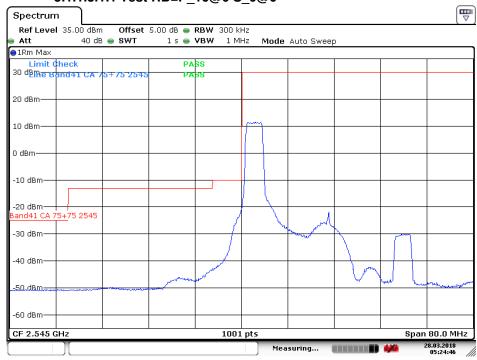




Date: 28.MAR.2018 05:51:38

5.1.1.3 Test Mode = LTE/TM3 75RB+75RB 5.1.1.3.1 Test Channel = LCH

5.1.1.3.1.1 Test RB=P_16@0 S_0@0



Date: 28.MAR.2018 05:24:47

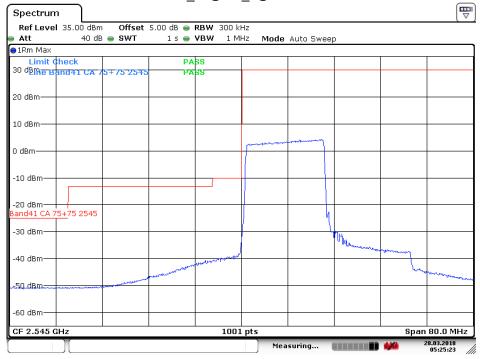
"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sqs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of its indocument 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.



Report No.: SZEM180300194501

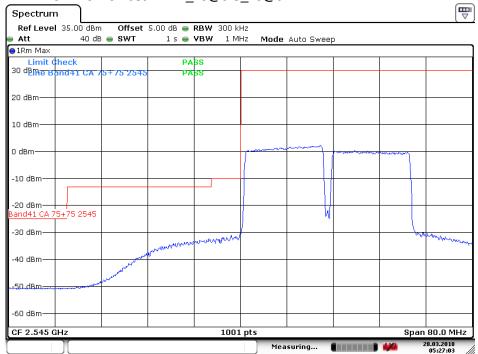
Page: 30 of 72

5.1.1.3.1.2 Test RB=P_75@0 S_0@0



Date: 28.MAR.2018 05:25:23

5.1.1.3.1.3 Test RB=P_75@0 S_75@0



Date: 28.MAR.2018 05:27:03

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sqs.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 its 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.

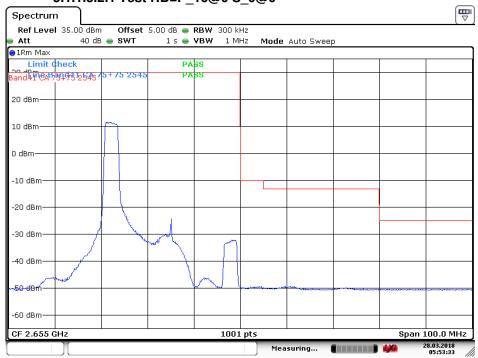


Report No.: SZEM180300194501

Page: 31 of 72

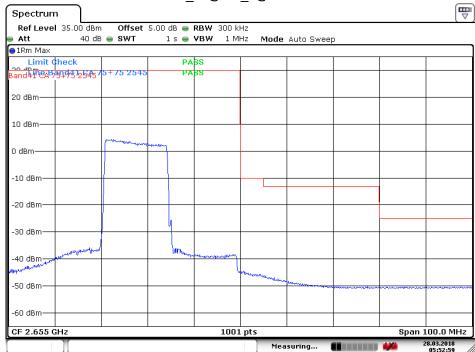
5.1.1.3.2 Test Channel = HCH

5.1.1.3.2.1 Test RB=P_16@0 S_0@0



Date: 28.MAR.2018 05:53:34





Date: 28.MAR.2018 05:53:00

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sqs.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 its indocument 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.



Report No.: SZEM180300194501

32 of 72 Page:

₩

5.1.1.3.2.3 Test RB=P_75@0 S_75@0



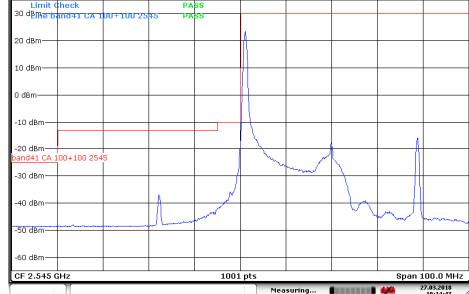
Date: 28.MAR.2018 05:50:09

Spectrum

5.1.1.4 Test Mode = LTE/TM1 100RB+100RB

5.1.1.4.1 Test Channel = LCH 5.1.1.4.1.1 Test RB=P_1@0 S_0@0

Ref Level 35.00 dBm Offset 5.00 dB RBW 500 kHz 40 dB 🅌 SWT 1 s 👄 **VBW** Mode Auto Sweep ●1Rm Max Limit Check 30 dBMe band+1 CA 100+100 2 20 dBm-10 dBm-



Date: 27.MAR.2018 10:14:47

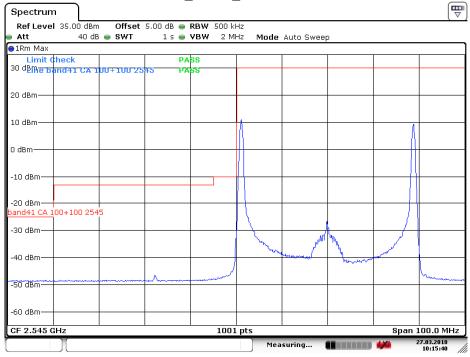
"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aspx and, Instruction of leading the Company subject to terms and Conditions for Electronic Potential and English and Conditions for Electronic Potential and English and Conditions for Electronic Potential at <a href="http://www.sgs.com/en/lerms-and-Conditions/Terms-and-



Report No.: SZEM180300194501

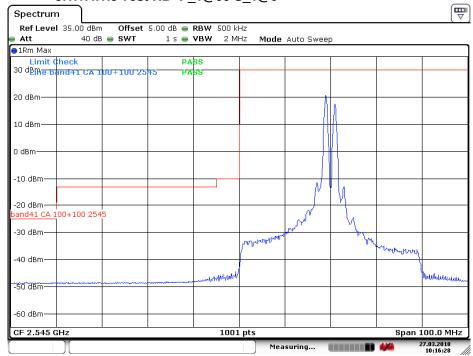
Page: 33 of 72





Date: 27.MAR.2018 10:15:40

5.1.1.4.1.3 Test RB=P_1@99 S_1@0



Date: 27.MAR.2018 10:16:28

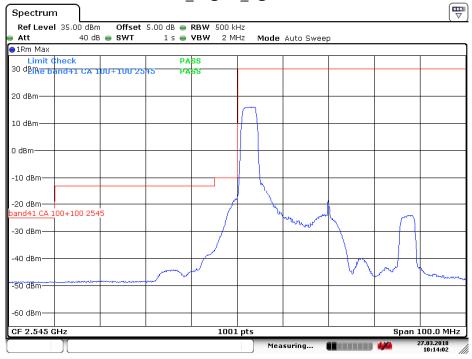
"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sqs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of its indocument 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.



Report No.: SZEM180300194501

Page: 34 of 72

5.1.1.4.1.4 Test RB=P_18@0 S_0@0



Date: 27.MAR.2018 10:14:02

5.1.1.4.1.5 Test RB=P_100@0 S_0@0



Date: 27.MAR.2018 10:13:29



Report No.: SZEM180300194501

35 of 72 Page:

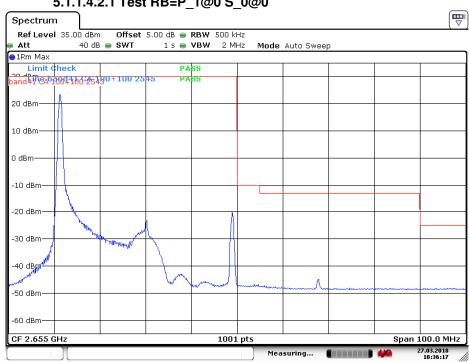




Date: 27.MAR.2018 10:12:43

5.1.1.4.2 Test Channel = HCH

5.1.1.4.2.1 Test RB=P_1@0 S_0@0



Date: 27.MAR.2018 10:36:18

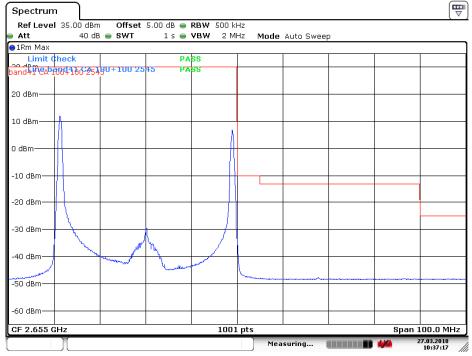
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aspx and, Instruction of leading the Company subject to terms and Conditions for Electronic Potential and English and Conditions for Electronic Potential and English and Conditions for Electronic Potential at <a href="http://www.sgs.com/en/lerms-and-Conditions/Terms-and-



Report No.: SZEM180300194501

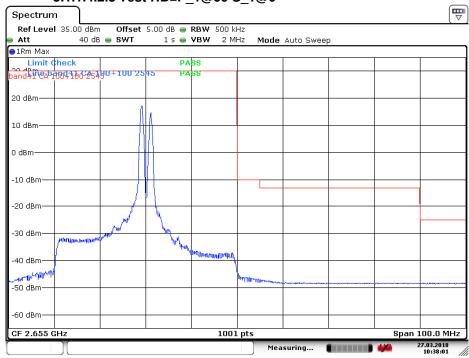
Page: 36 of 72

5.1.1.4.2.2 Test RB=P_1@0 S_1@99



Date: 27.MAR.2018 10:37:17

5.1.1.4.2.3 Test RB=P_1@99 S_1@0



Date: 27.MAR.2018 10:38:01

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sqs.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 its indocument 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.