



Appendix B

Test Data for SZEM170100023101



CONTENT

	Page
1 EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA	3
2 PEAK-TO-AVERAGE RATIO.....	13
2.1 FOR LTE	14
2.1.1 Test Band = LTE band26	14
3 MODULATION CHARACTERISTICS.....	17
3.1 FOR LTE	17
3.1.1 Test Band = LTE band26	17
4 BANDWIDTH	29
4.1 FOR LTE	30
4.1.1 Test Band = LTE band26(814-824)	30
5 BAND EDGES COMPLIANCE.....	60
5.1 FOR LTE	60
5.1.1 Test Band = LTE band26(814-824)	60
6 SPURIOUS EMISSION AT ANTENNA TERMINAL.....	108
6.1 FOR LTE	108
6.1.1 Test Band = LTE band26 (814-824)	108
7 FIELD STRENGTH OF SPURIOUS RADIATION	128
7.1 FOR LTE	128
7.1.1 Test Band = LTE 26(814-824)	128
8 FREQUENCY STABILITY	129
8.1 FREQUENCY ERROR VS. VOLTAGE.....	129
8.2 FREQUENCY ERROR VS. TEMPERATURE.....	130



1 Effective (Isotropic) Radiated Power Output Data

Effective Radiated Power of Transmitter (ERP) for LTE BAND 26(814-824)

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26 (814-824)	LTE/TM1	1.4M	LCH	RB1#0	21.3	22.90	50.00	PASS
				RB1#2	20.97	22.57	50.00	PASS
				RB1#5	20.92	22.52	50.00	PASS
				RB3#0	20.99	22.59	50.00	PASS
				RB3#2	21.00	22.60	50.00	PASS
				RB3#3	20.98	22.58	50.00	PASS
				RB6#0	20.94	22.54	50.00	PASS
			MCH	RB1#0	21.13	22.73	50.00	PASS
				RB1#2	20.99	22.59	50.00	PASS
				RB1#5	21.02	22.62	50.00	PASS
				RB3#0	20.94	22.54	50.00	PASS
				RB3#2	21.03	22.63	50.00	PASS
				RB3#3	21.00	22.60	50.00	PASS
				RB6#0	20.98	22.58	50.00	PASS
			HCH	RB1#0	21.15	22.75	50.00	PASS
				RB1#2	21.07	22.67	50.00	PASS
				RB1#5	21.04	22.64	50.00	PASS
				RB3#0	21.02	22.62	50.00	PASS
				RB3#2	21.01	22.61	50.00	PASS
				RB3#3	21.06	22.66	50.00	PASS
				RB6#0	20.94	22.54	50.00	PASS



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM170100023101

Page: 4 of 130

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26 (814-824)	LTE/TM2	1.4M	LCH	RB1#0	21.26	22.86	50.00	PASS
				RB1#2	21.33	22.93	50.00	PASS
				RB1#5	21.27	22.87	50.00	PASS
				RB3#0	21.02	22.62	50.00	PASS
				RB3#2	21.08	22.68	50.00	PASS
				RB3#3	21.01	22.61	50.00	PASS
				RB6#0	20.05	21.65	50.00	PASS
			MCH	RB1#0	21.36	22.96	50.00	PASS
				RB1#2	21.32	22.92	50.00	PASS
				RB1#5	21.29	22.89	50.00	PASS
				RB3#0	21.03	22.63	50.00	PASS
				RB3#2	21.05	22.65	50.00	PASS
				RB3#3	21.04	22.64	50.00	PASS
				RB6#0	20.03	21.63	50.00	PASS
			HCH	RB1#0	21.40	23.00	50.00	PASS
				RB1#2	21.31	22.91	50.00	PASS
				RB1#5	21.25	22.85	50.00	PASS
				RB3#0	21.04	22.64	50.00	PASS
				RB3#2	21.18	22.78	50.00	PASS
				RB3#3	21.12	22.72	50.00	PASS
				RB6#0	20.15	21.75	50.00	PASS

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM170100023101

Page: 5 of 130

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26 (814-824)	LTE/TM3	1.4M	LCH	RB1#0	20.28	21.88	50.00	PASS
				RB1#2	20.39	21.99	50.00	PASS
				RB1#5	20.27	21.87	50.00	PASS
				RB3#0	20.17	21.77	50.00	PASS
				RB3#2	20.16	21.76	50.00	PASS
				RB3#3	20.15	21.75	50.00	PASS
				RB6#0	19.10	20.70	50.00	PASS
			MCH	RB1#0	20.33	21.93	50.00	PASS
				RB1#2	20.34	21.94	50.00	PASS
				RB1#5	20.25	21.85	50.00	PASS
				RB3#0	20.18	21.78	50.00	PASS
				RB3#2	20.16	21.76	50.00	PASS
				RB3#3	20.12	21.72	50.00	PASS
				RB6#0	19.13	20.73	50.00	PASS
			HCH	RB1#0	20.24	21.84	50.00	PASS
				RB1#2	20.33	21.93	50.00	PASS
				RB1#5	20.28	21.88	50.00	PASS
				RB3#0	20.15	21.75	50.00	PASS
				RB3#2	20.17	21.77	50.00	PASS
				RB3#3	20.15	21.75	50.00	PASS
				RB6#0	19.20	20.80	50.00	PASS

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM170100023101

Page: 6 of 130

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26 (814-824)	LTE/TM1	3M	LCH	RB1#0	21.01	22.61	50.00	PASS
				RB1#7	21.09	22.69	50.00	PASS
				RB1#14	20.94	22.54	50.00	PASS
				RB8#0	21.04	22.64	50.00	PASS
				RB8#4	21.06	22.66	50.00	PASS
				RB8#7	20.99	22.59	50.00	PASS
				RB15#0	21.03	22.63	50.00	PASS
			MCH	RB1#0	21.08	22.68	50.00	PASS
				RB1#7	21.11	22.71	50.00	PASS
				RB1#14	20.96	22.56	50.00	PASS
				RB8#0	21.14	22.74	50.00	PASS
				RB8#4	21.16	22.76	50.00	PASS
				RB8#7	21.07	22.67	50.00	PASS
				RB15#0	21.05	22.65	50.00	PASS
			HCH	RB1#0	21.13	22.73	50.00	PASS
				RB1#7	21.08	22.68	50.00	PASS
				RB1#14	21.14	22.74	50.00	PASS
				RB8#0	21.04	22.64	50.00	PASS
				RB8#4	21.04	22.64	50.00	PASS
				RB8#7	20.99	22.59	50.00	PASS
				RB15#0	21.02	22.62	50.00	PASS

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM170100023101

Page: 7 of 130

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26 (814-824)	LTE/TM2	3M	LCH	RB1#0	21.29	22.89	50.00	PASS
				RB1#7	21.47	23.07	50.00	PASS
				RB1#14	21.29	22.89	50.00	PASS
				RB8#0	20.06	21.66	50.00	PASS
				RB8#4	20.12	21.72	50.00	PASS
				RB8#7	20.06	21.66	50.00	PASS
				RB15#0	20.07	21.67	50.00	PASS
			MCH	RB1#0	21.35	22.95	50.00	PASS
				RB1#7	21.43	23.03	50.00	PASS
				RB1#14	21.39	22.99	50.00	PASS
				RB8#0	20.16	21.76	50.00	PASS
				RB8#4	20.10	21.70	50.00	PASS
				RB8#7	20.08	21.68	50.00	PASS
				RB15#0	20.06	21.66	50.00	PASS
			HCH	RB1#0	21.39	22.99	50.00	PASS
				RB1#7	21.42	23.02	50.00	PASS
				RB1#14	21.26	22.86	50.00	PASS
				RB8#0	20.18	21.78	50.00	PASS
				RB8#4	20.11	21.71	50.00	PASS
				RB8#7	20.17	21.77	50.00	PASS
				RB15#0	20.12	21.72	50.00	PASS

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM170100023101

Page: 8 of 130

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26 (814-824)	LTE/TM3	3M	LCH	RB1#0	20.37	21.97	50.00	PASS
				RB1#7	20.52	22.12	50.00	PASS
				RB1#14	20.31	21.91	50.00	PASS
				RB8#0	19.09	20.69	50.00	PASS
				RB8#4	19.12	20.72	50.00	PASS
				RB8#7	19.09	20.69	50.00	PASS
				RB15#0	19.13	20.73	50.00	PASS
			MCH	RB1#0	20.27	21.87	50.00	PASS
				RB1#7	20.32	21.92	50.00	PASS
				RB1#14	20.33	21.93	50.00	PASS
				RB8#0	19.19	20.79	50.00	PASS
				RB8#4	19.10	20.70	50.00	PASS
				RB8#7	19.13	20.73	50.00	PASS
				RB15#0	19.12	20.72	50.00	PASS
			HCH	RB1#0	20.34	21.94	50.00	PASS
				RB1#7	20.42	22.02	50.00	PASS
				RB1#14	20.33	21.93	50.00	PASS
				RB8#0	19.29	20.89	50.00	PASS
				RB8#4	19.15	20.75	50.00	PASS
				RB8#7	19.07	20.67	50.00	PASS
				RB15#0	19.11	20.71	50.00	PASS

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM170100023101

Page: 9 of 130

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26 (814-824)	LTE/TM1	5M	LCH	RB1#0	20.98	22.58	50.00	PASS
				RB1#13	21.01	22.61	50.00	PASS
				RB1#24	20.91	22.51	50.00	PASS
				RB12#0	20.99	22.59	50.00	PASS
				RB12#6	21.00	22.60	50.00	PASS
				RB12#13	20.97	22.57	50.00	PASS
				RB25#0	20.97	22.57	50.00	PASS
			MCH	RB1#0	21.08	22.68	50.00	PASS
				RB1#13	21.03	22.63	50.00	PASS
				RB1#24	20.99	22.59	50.00	PASS
				RB12#0	20.98	22.58	50.00	PASS
				RB12#6	21.03	22.63	50.00	PASS
				RB12#13	20.99	22.59	50.00	PASS
				RB25#0	20.94	22.54	50.00	PASS
			HCH	RB1#0	21.08	22.68	50.00	PASS
				RB1#13	21.03	22.63	50.00	PASS
				RB1#24	21.02	22.62	50.00	PASS
				RB12#0	20.99	22.59	50.00	PASS
				RB12#6	21.06	22.66	50.00	PASS
				RB12#13	21.11	22.71	50.00	PASS
				RB25#0	21.10	22.70	50.00	PASS

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM170100023101

Page: 10 of 130

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26 (814-824)	LTE/TM2	5M	LCH	RB1#0	21.23	22.83	50.00	PASS
				RB1#13	21.29	22.89	50.00	PASS
				RB1#24	21.16	22.76	50.00	PASS
				RB12#0	20.07	21.67	50.00	PASS
				RB12#6	20.03	21.63	50.00	PASS
				RB12#13	20.05	21.65	50.00	PASS
				RB25#0	20.08	21.68	50.00	PASS
			MCH	RB1#0	21.33	22.93	50.00	PASS
				RB1#13	21.28	22.88	50.00	PASS
				RB1#24	21.19	22.79	50.00	PASS
				RB12#0	20.11	21.71	50.00	PASS
				RB12#6	20.06	21.66	50.00	PASS
				RB12#13	20.08	21.68	50.00	PASS
				RB25#0	20.09	21.69	50.00	PASS
			HCH	RB1#0	21.36	22.96	50.00	PASS
				RB1#13	21.32	22.92	50.00	PASS
				RB1#24	21.26	22.86	50.00	PASS
				RB12#0	20.09	21.69	50.00	PASS
				RB12#6	20.23	21.83	50.00	PASS
				RB12#13	20.15	21.75	50.00	PASS
				RB25#0	20.18	21.78	50.00	PASS

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM170100023101

Page: 11 of 130

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26 (814-824)	LTE/TM3	5M	LCH	RB1#0	20.36	21.96	50.00	PASS
				RB1#13	20.45	22.05	50.00	PASS
				RB1#24	20.32	21.92	50.00	PASS
				RB12#0	19.14	20.74	50.00	PASS
				RB12#6	19.12	20.72	50.00	PASS
				RB12#13	19.05	20.65	50.00	PASS
				RB25#0	19.03	20.63	50.00	PASS
			MCH	RB1#0	20.32	21.92	50.00	PASS
				RB1#13	20.46	22.06	50.00	PASS
				RB1#24	20.36	21.96	50.00	PASS
				RB12#0	19.12	20.72	50.00	PASS
				RB12#6	19.16	20.76	50.00	PASS
				RB12#13	19.11	20.71	50.00	PASS
				RB25#0	19.13	20.73	50.00	PASS
			HCH	RB1#0	20.56	22.16	50.00	PASS
				RB1#13	20.46	22.06	50.00	PASS
				RB1#24	20.42	22.02	50.00	PASS
				RB12#0	19.24	20.84	50.00	PASS
				RB12#6	19.22	20.82	50.00	PASS
				RB12#13	19.20	20.80	50.00	PASS
				RB25#0	19.23	20.83	50.00	PASS

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM170100023101

Page: 12 of 130

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26 (814-824)	LTE/TM1	10M	MCH	RB1#0	21.85	23.45	50.00	PASS
				RB1#25	20.90	22.50	50.00	PASS
				RB1#49	20.87	22.47	50.00	PASS
				RB25#0	20.97	22.57	50.00	PASS
				RB25#13	20.95	22.55	50.00	PASS
				RB25#25	20.92	22.52	50.00	PASS
				RB50#0	21.95	23.55	50.00	PASS
	LTE/TM2	10M	MCH	RB1#0	21.36	22.96	50.00	PASS
				RB1#25	21.22	22.82	50.00	PASS
				RB1#49	21.18	22.78	50.00	PASS
				RB25#0	20.17	21.77	50.00	PASS
				RB25#13	20.12	21.72	50.00	PASS
				RB25#25	20.11	21.71	50.00	PASS
				RB50#0	20.08	21.68	50.00	PASS
	LTE/TM3	10M	MCH	RB1#0	20.81	22.41	50.00	PASS
				RB1#25	20.71	22.31	50.00	PASS
				RB1#49	20.64	22.24	50.00	PASS
				RB25#0	19.19	20.79	50.00	PASS
				RB25#13	19.17	20.77	50.00	PASS
				RB25#25	19.15	20.75	50.00	PASS
				RB50#0	19.11	20.71	50.00	PASS

Note:

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

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

b: SGP=Signal Generator Level

c: RBW > emission bandwidth, VBW > 3 x RBW.

Detector: RMS

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



2 Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
Band 26(814-824)	TM1/10M	MCH	5.25	13	PASS
	TM2/10M	MCH	6.14	13	PASS
	TM3/10M	MCH	6.70	13	PASS



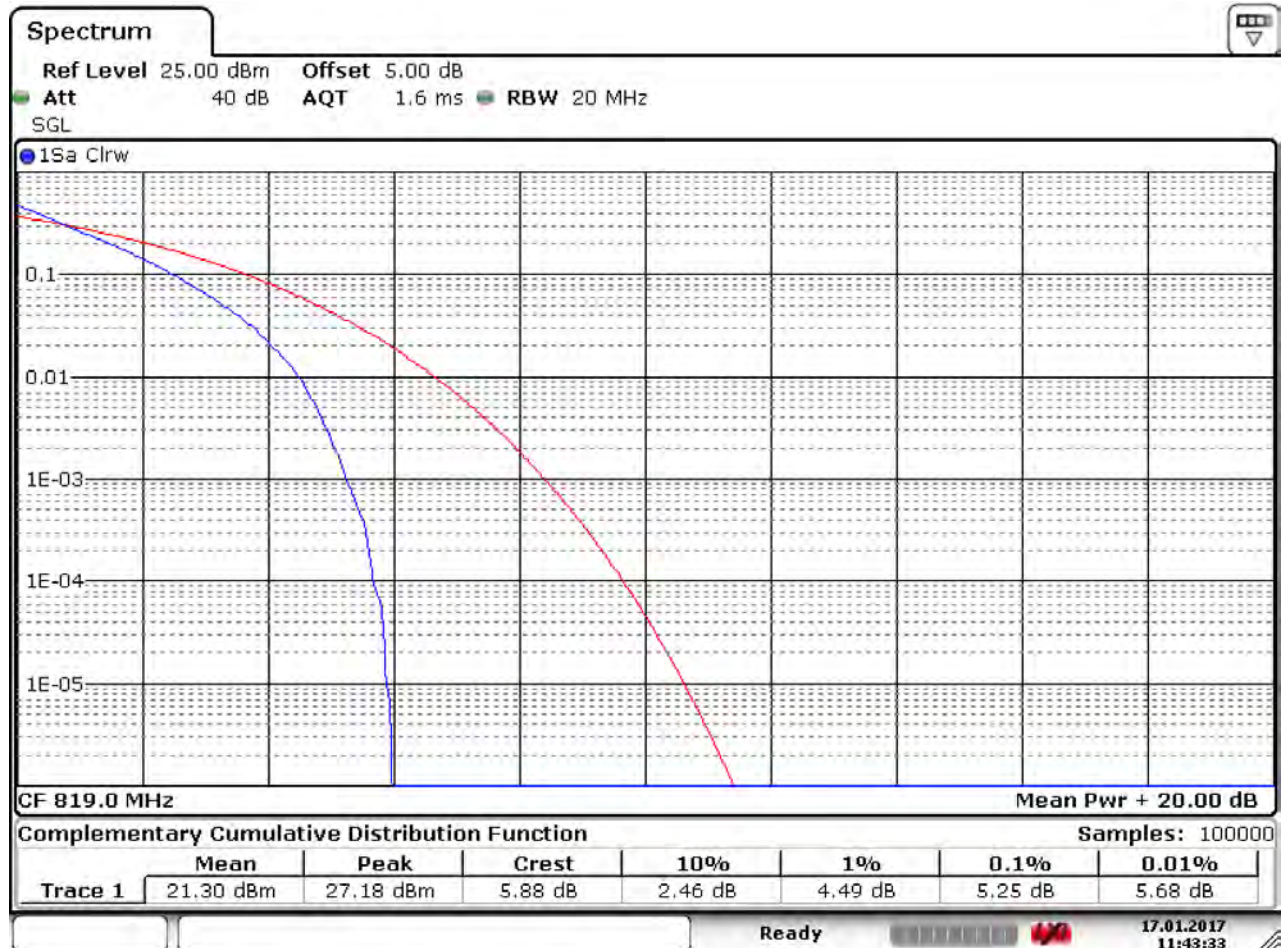
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band26

2.1.1.1 Test Mode = LTE/TM1.Bandwidth=10MHz

2.1.1.1.1 Test Channel = MCH

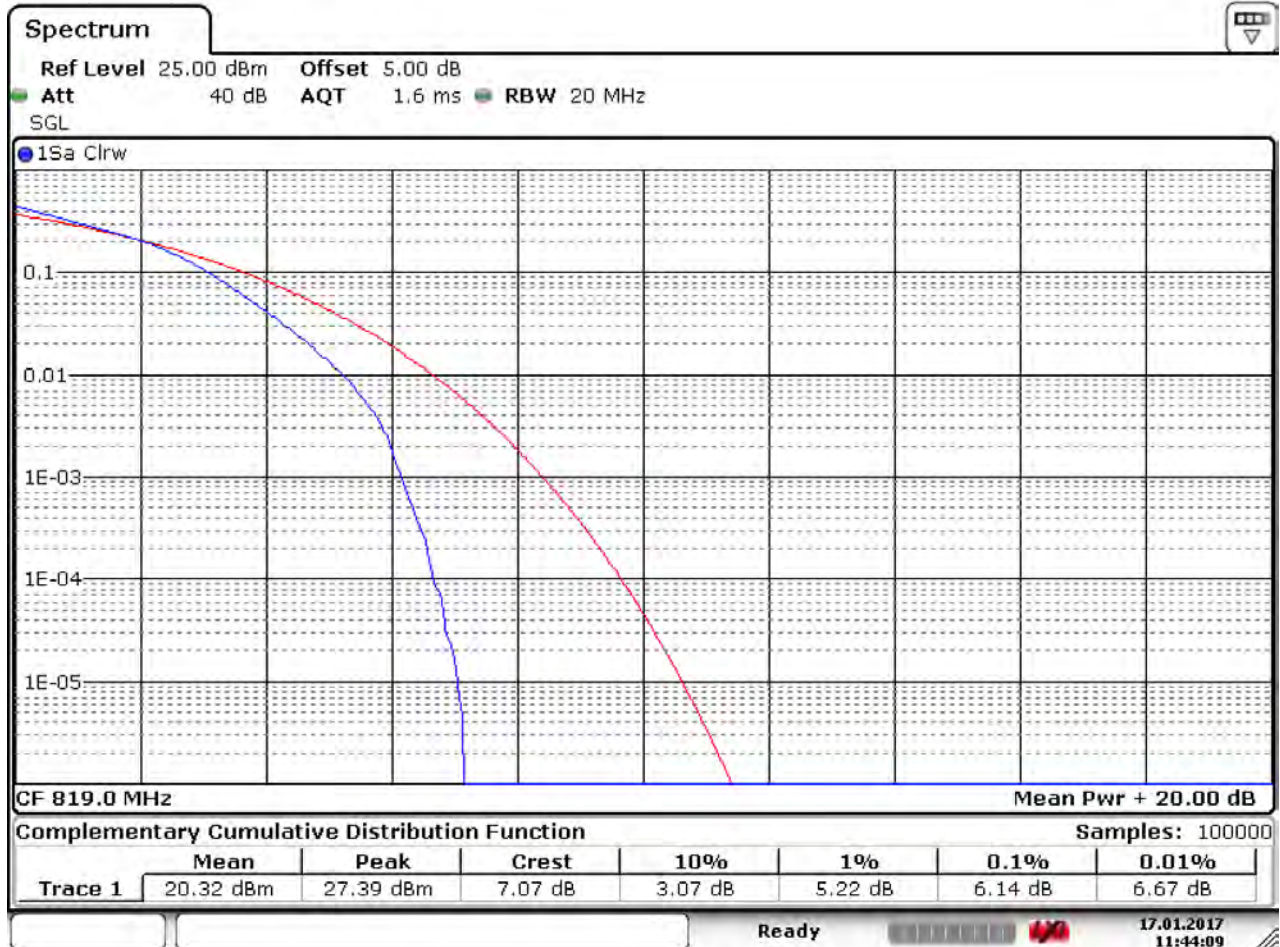


Date: 17.JAN.2017 11:43:33



2.1.1.2 Test Mode = LTE/TM2.Bandwidth=10MHz

2.1.1.2.1 Test Channel = MCH

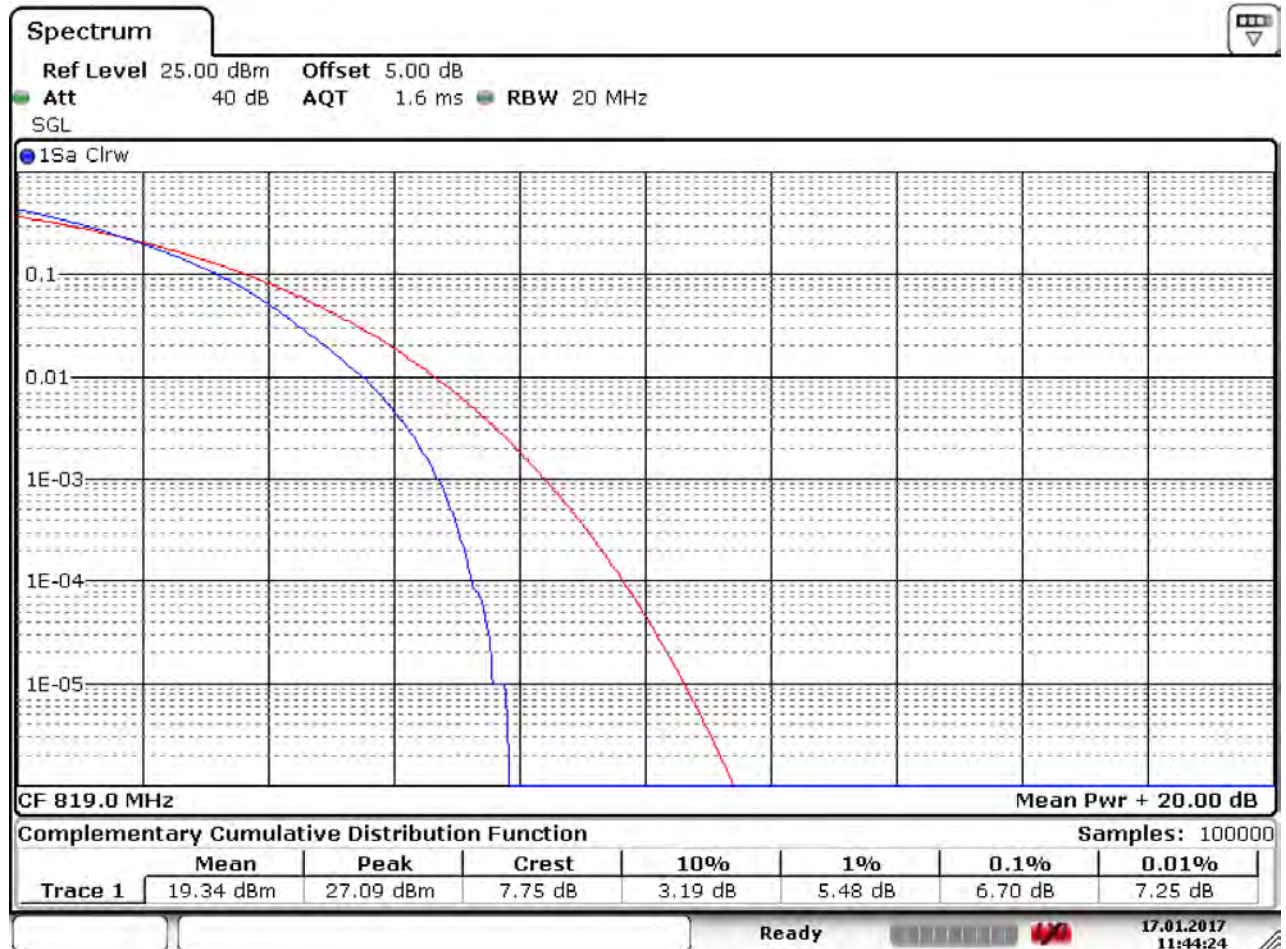


Date: 17.JAN.2017 11:44:09



2.1.1.3 Test Mode = LTE/TM3.Bandwidth=10MHz

2.1.1.3.1 Test Channel = MCH



Date: 17.JAN.2017 11:44:24



3 Modulation Characteristics

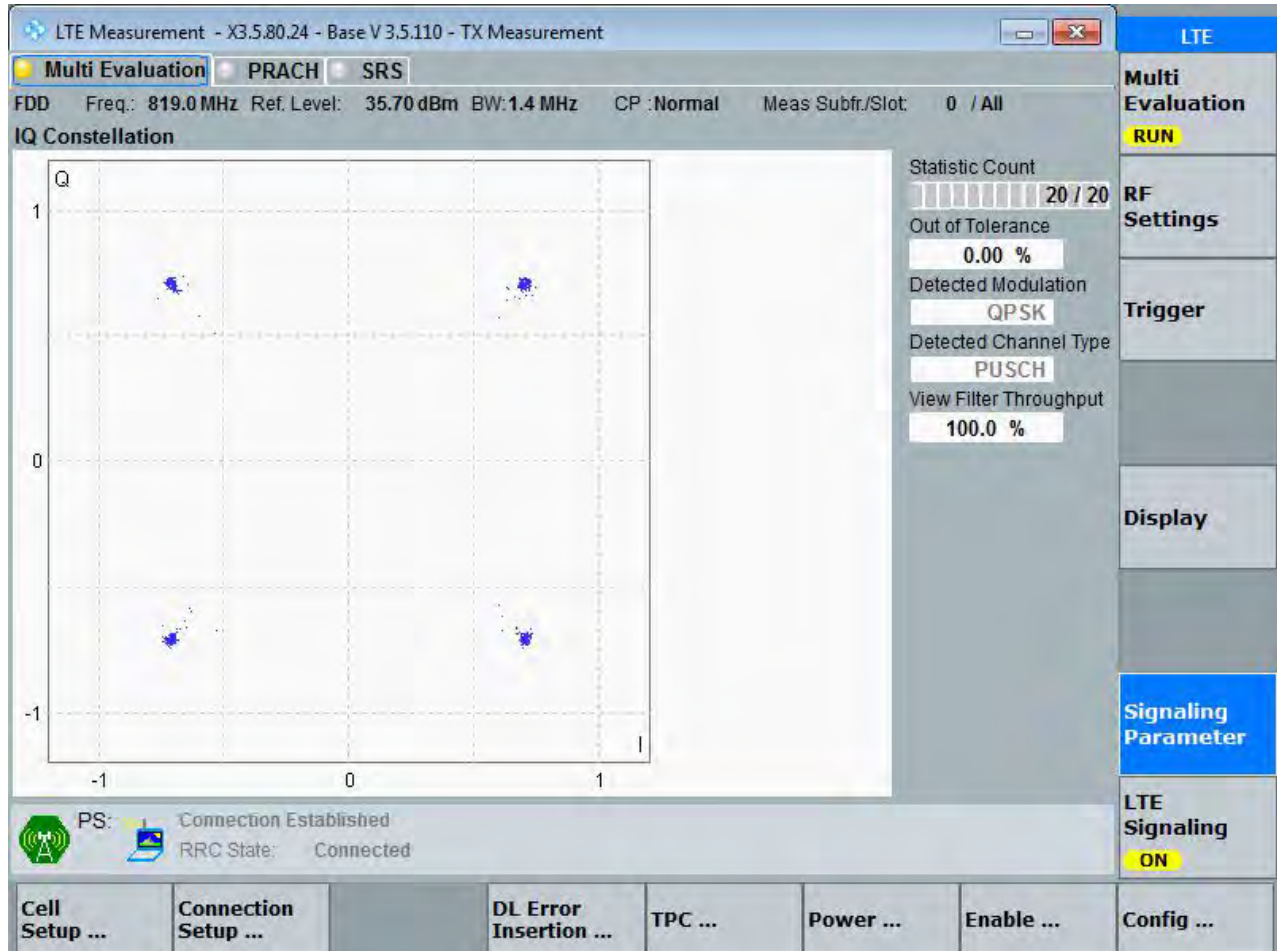
Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = LTE band26

3.1.1.1 Test Mode = LTE /TM1 1.4MHz

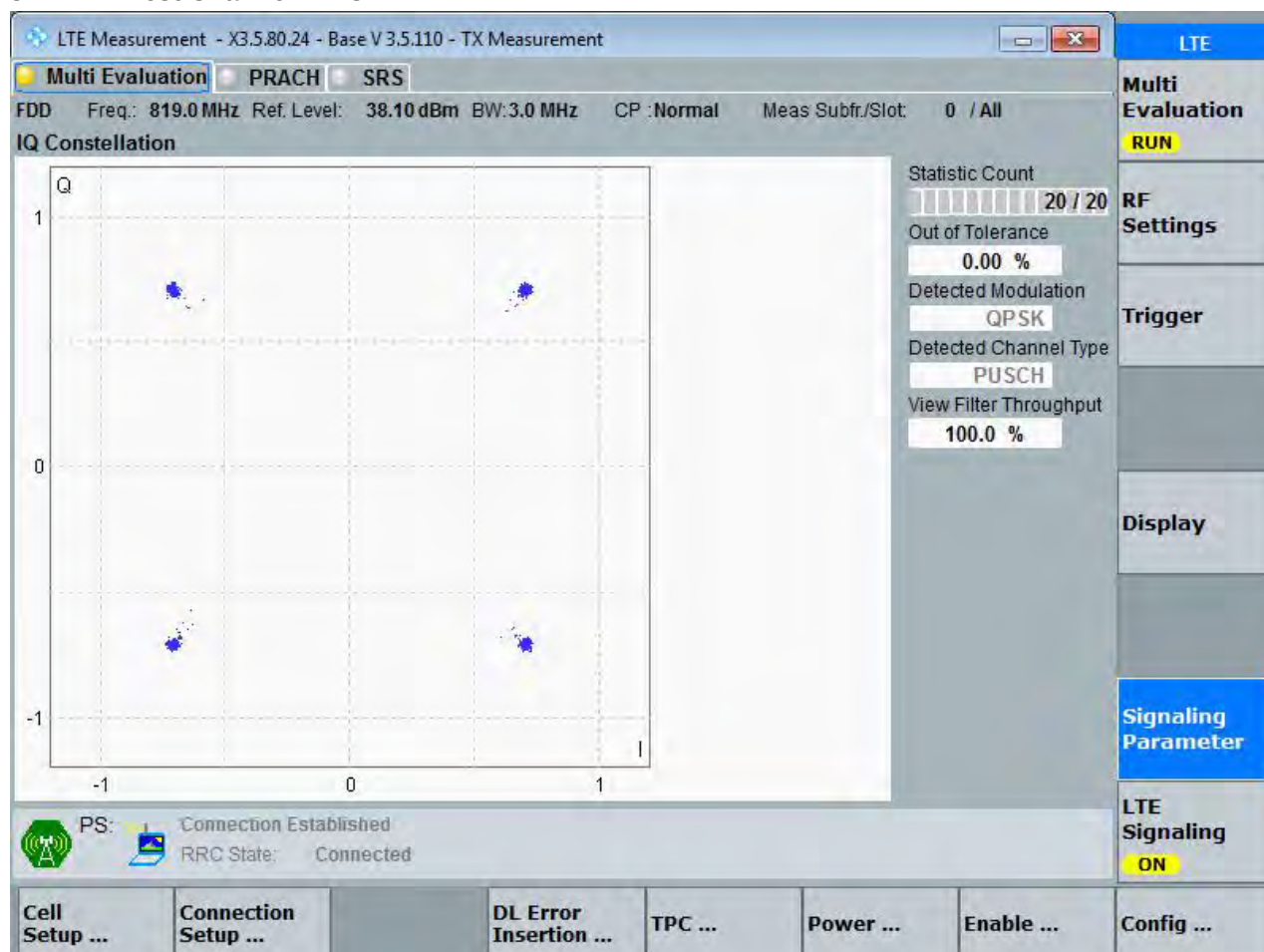
3.1.1.1.1 Test Channel = MCH





3.1.1.2 Test Mode = LTE /TM1 3MHz

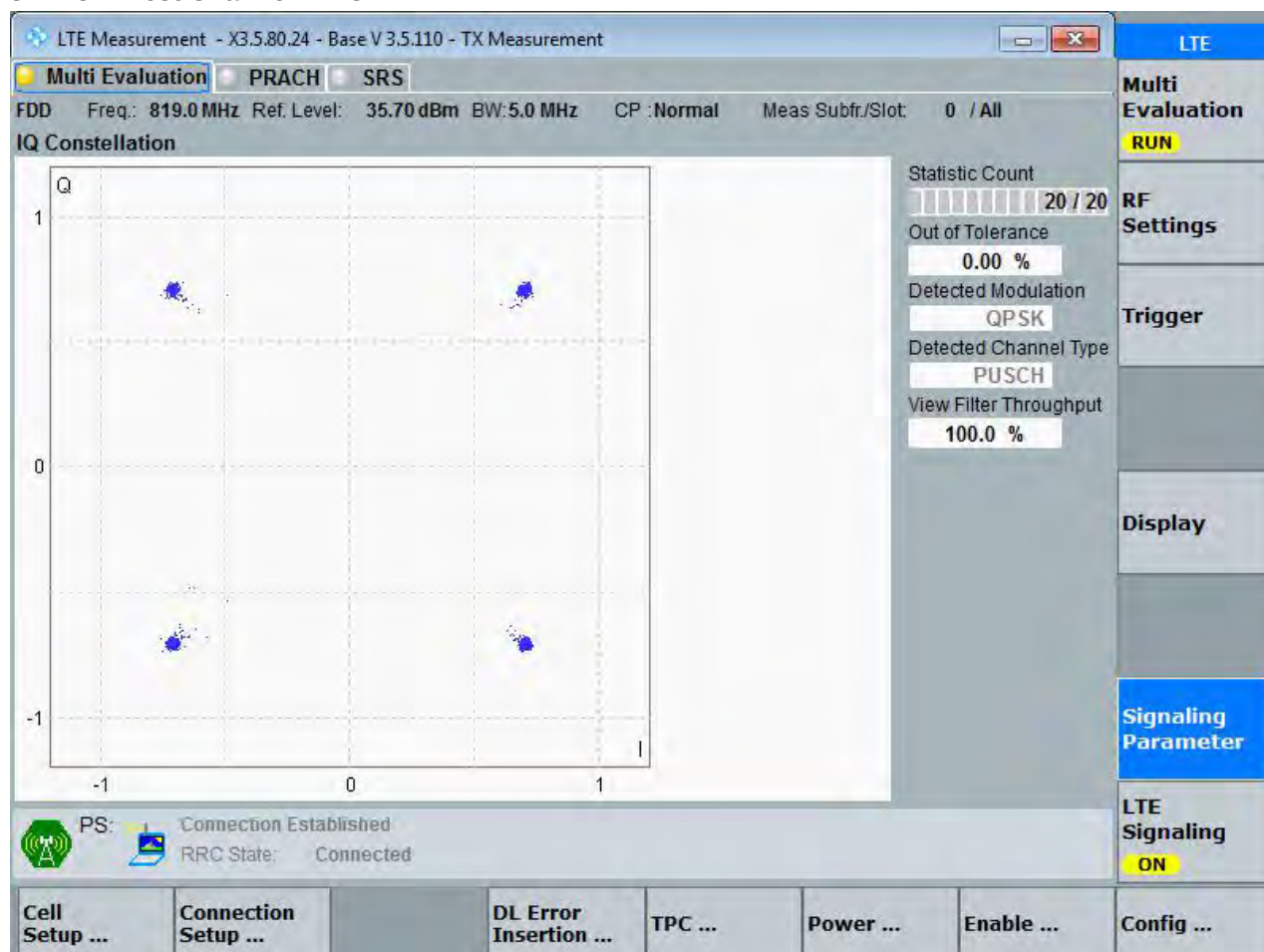
3.1.1.2.1 Test Channel = MCH





3.1.1.3 Test Mode = LTE /TM1 5MHz

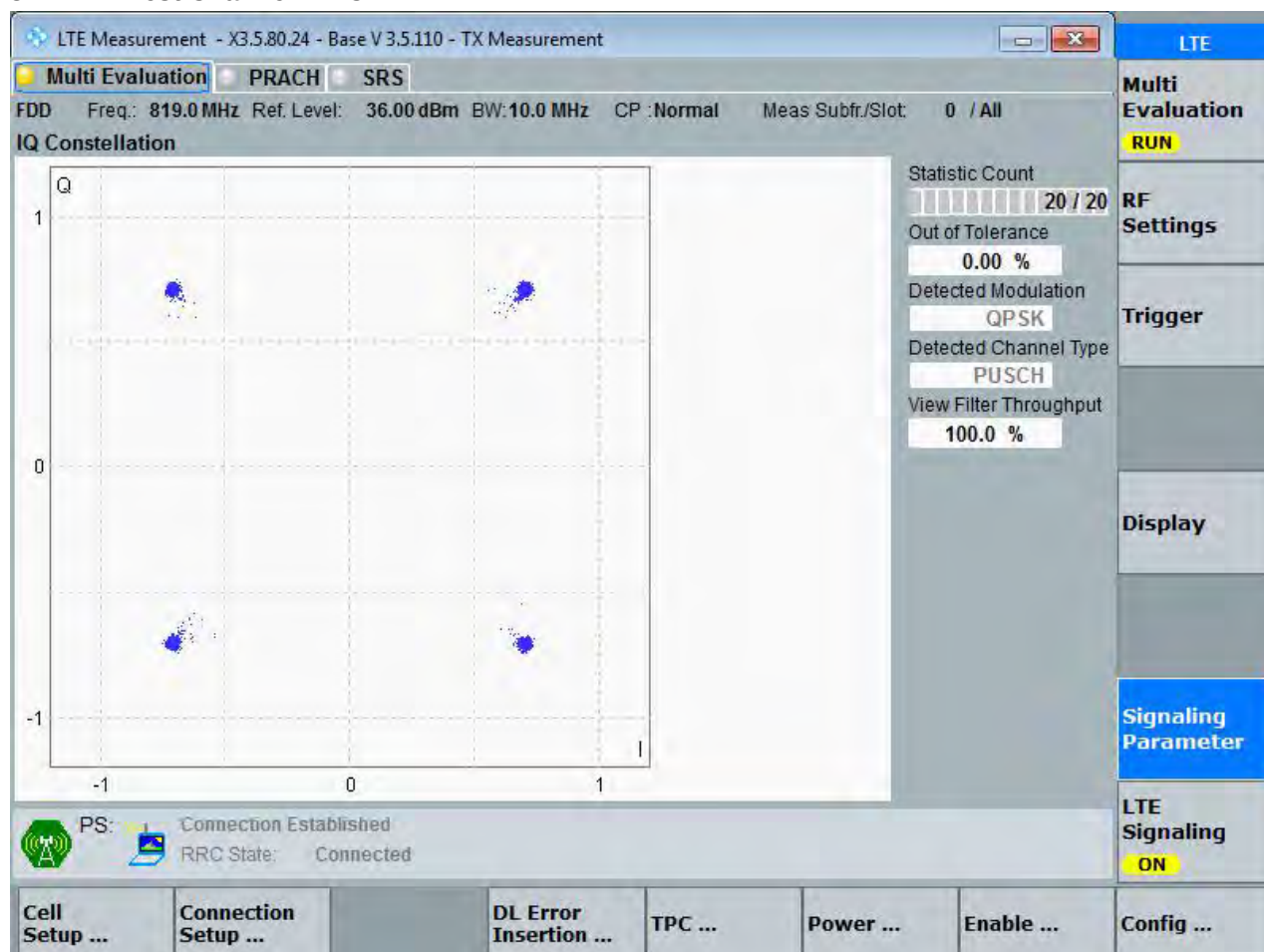
3.1.1.3.1 Test Channel = MCH





3.1.1.4 Test Mode = LTE /TM1 10MHz

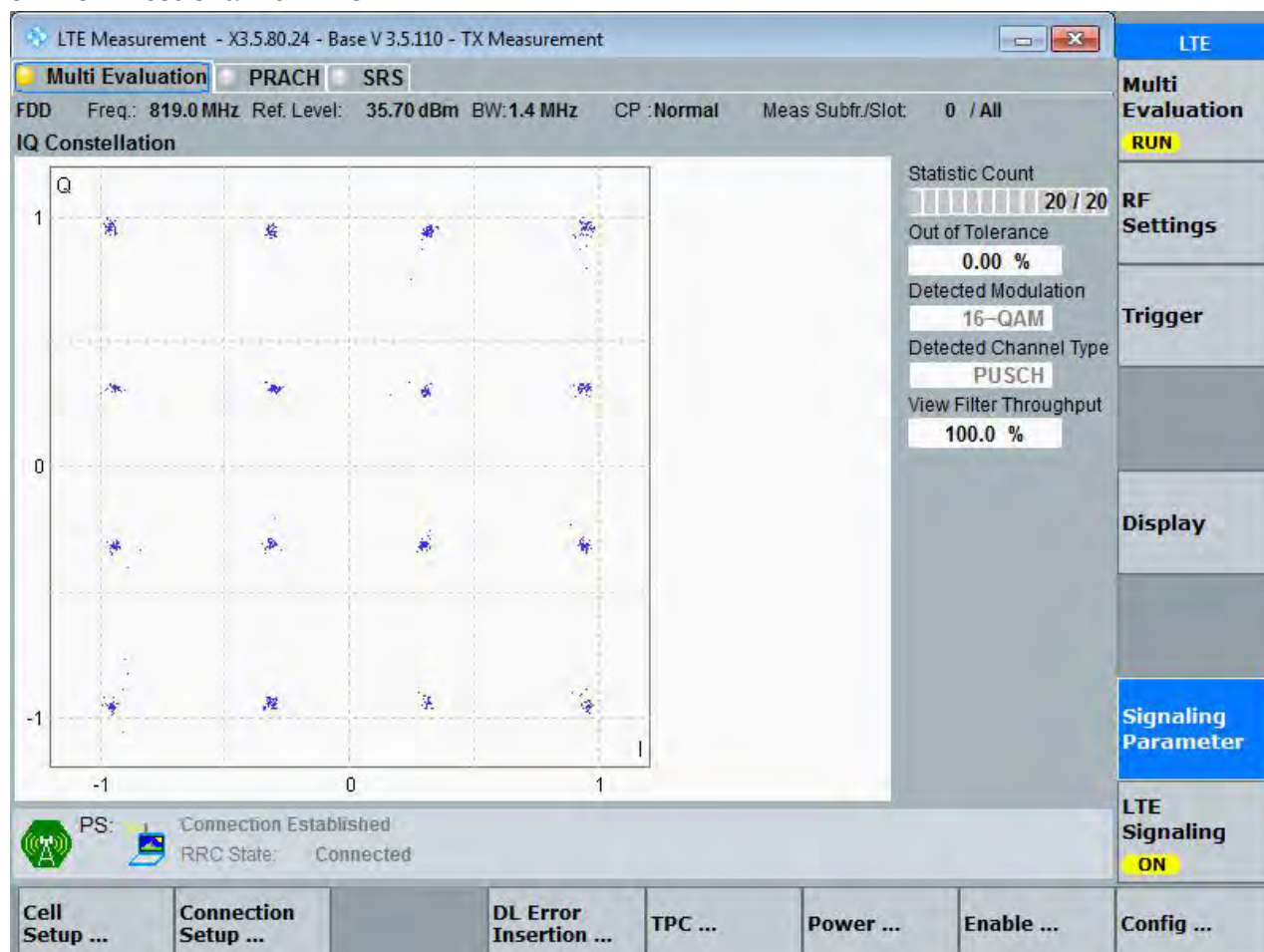
3.1.1.4.1 Test Channel = MCH





3.1.1.5 Test Mode = LTE /TM2 1.4MHz

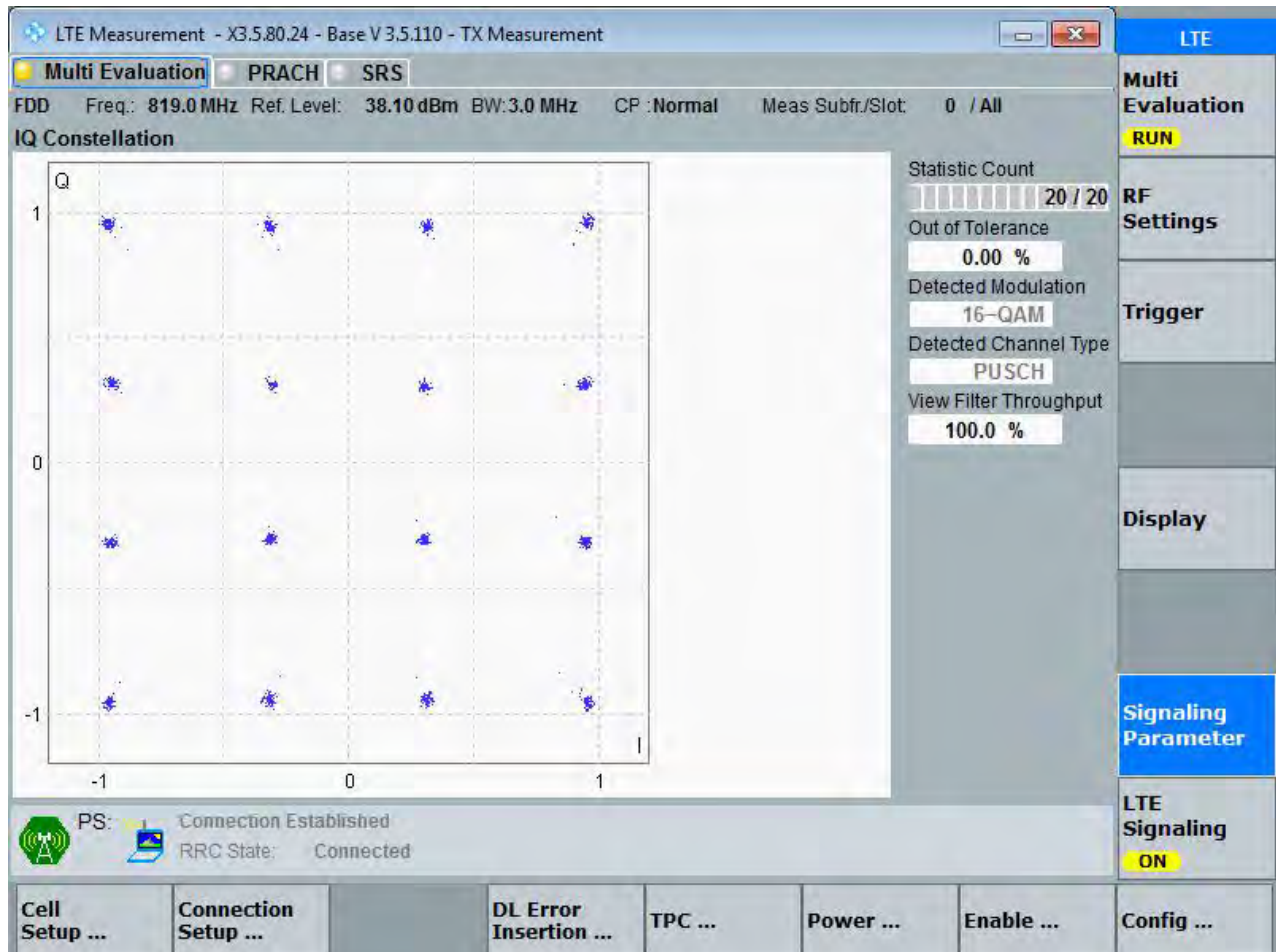
3.1.1.5.1 Test Channel = MCH





3.1.1.6 Test Mode = LTE /TM2 3MHz

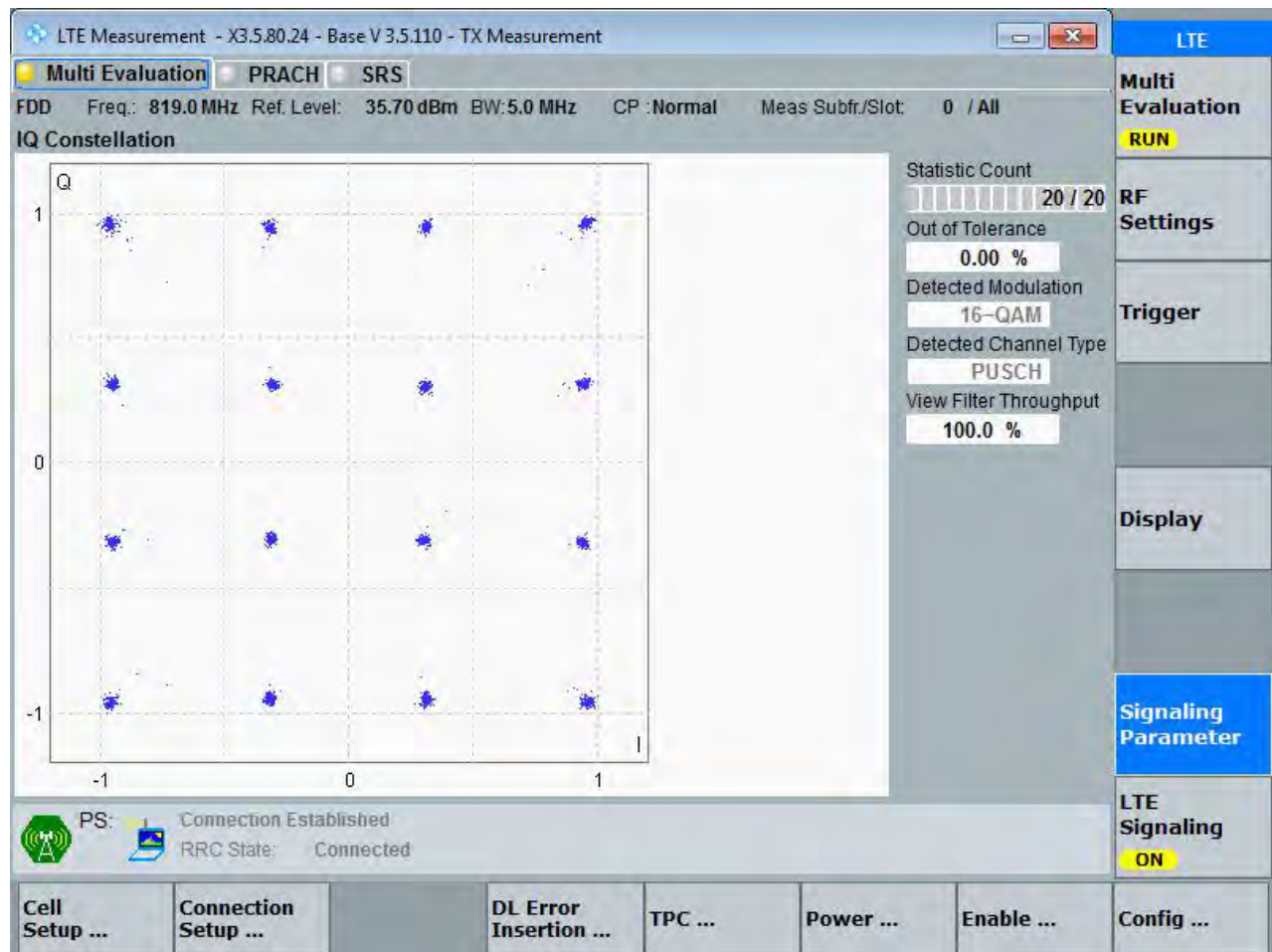
3.1.1.6.1 Test Channel = MCH





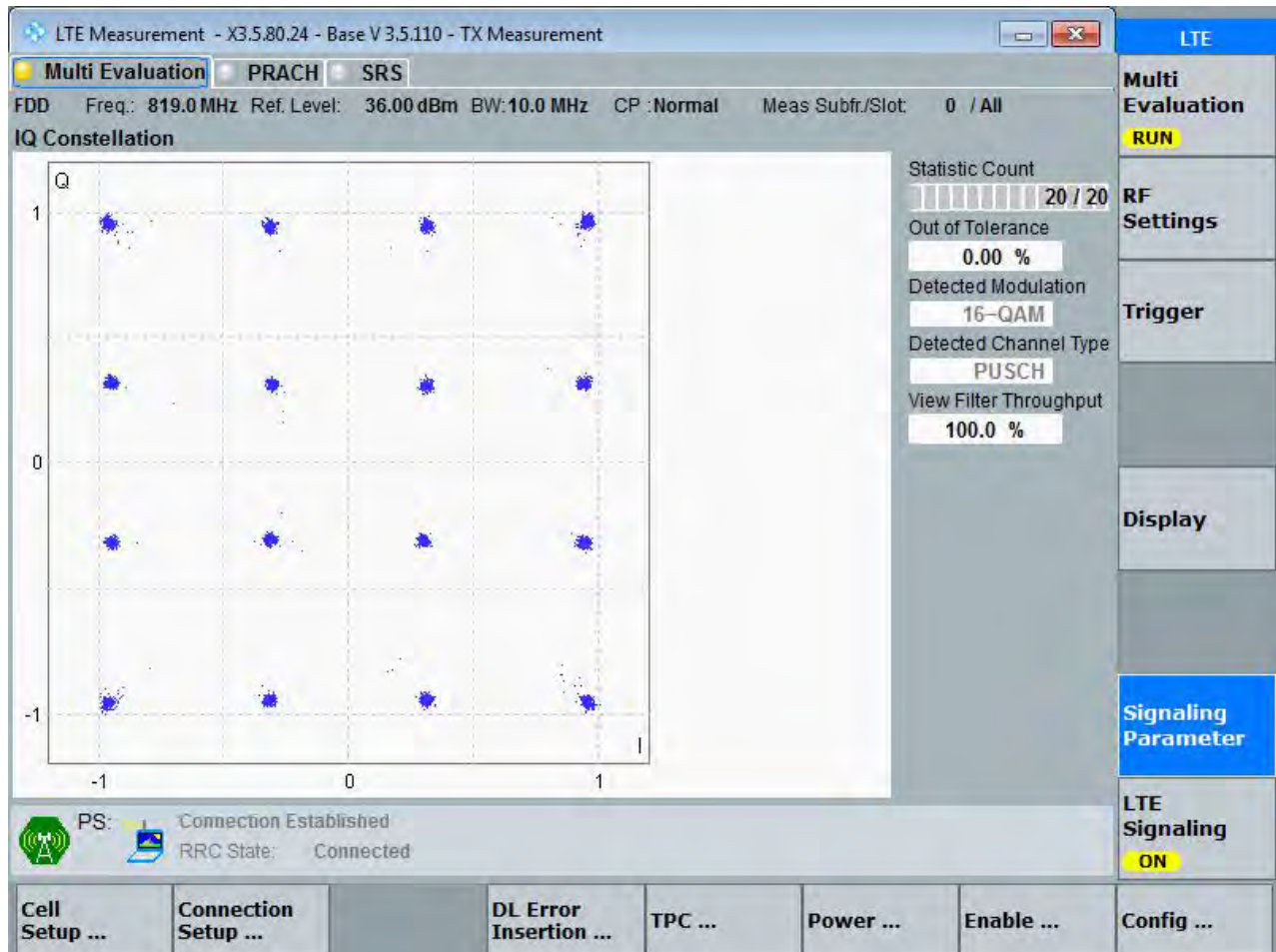
3.1.1.7 Test Mode = LTE /TM2 5MHz

3.1.1.7.1 Test Channel = MCH



3.1.1.8 Test Mode = LTE /TM2 10MHz

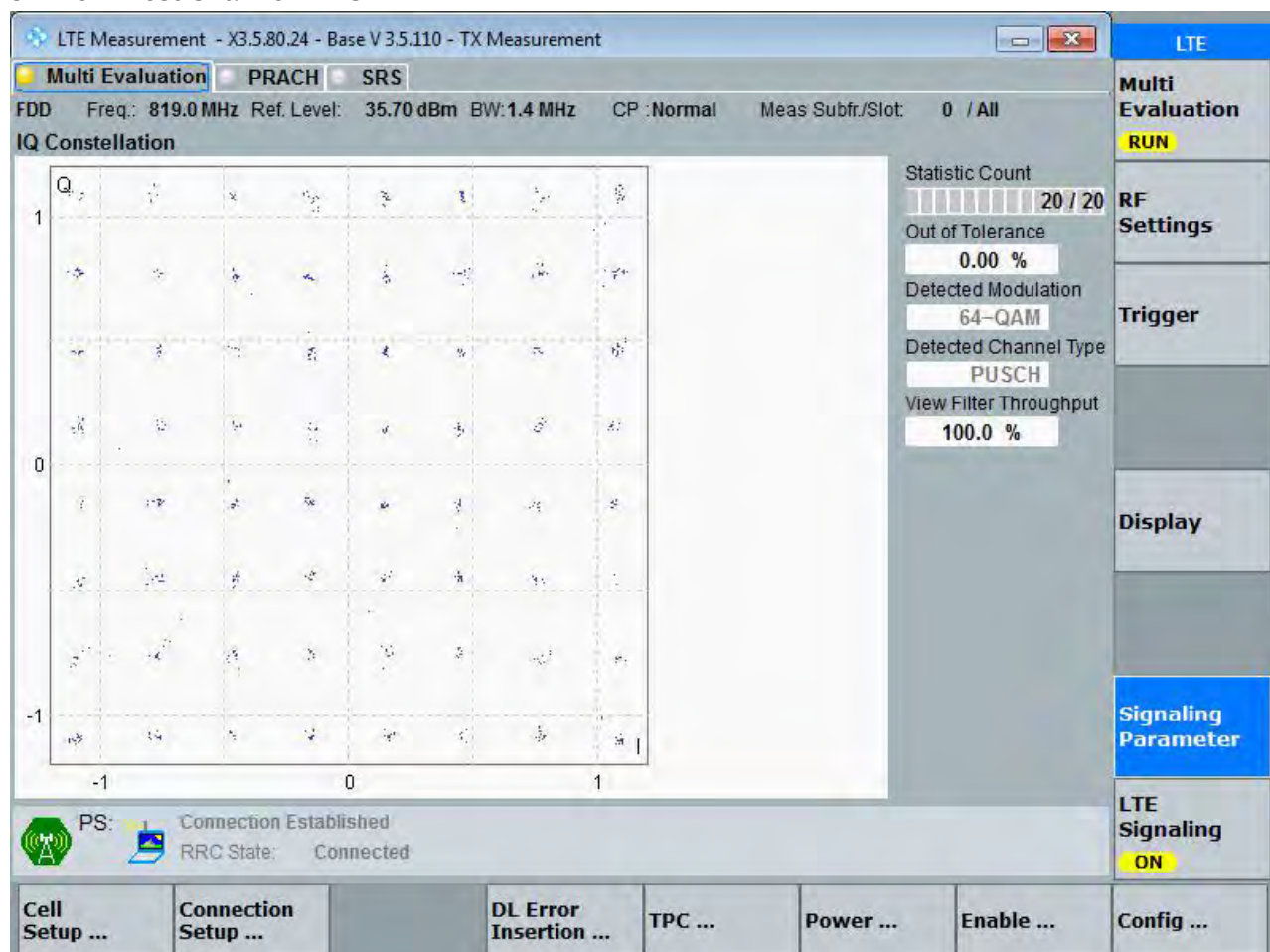
3.1.1.8.1 Test Channel = MCH





3.1.1.9 Test Mode = LTE /TM3 1.4MHz

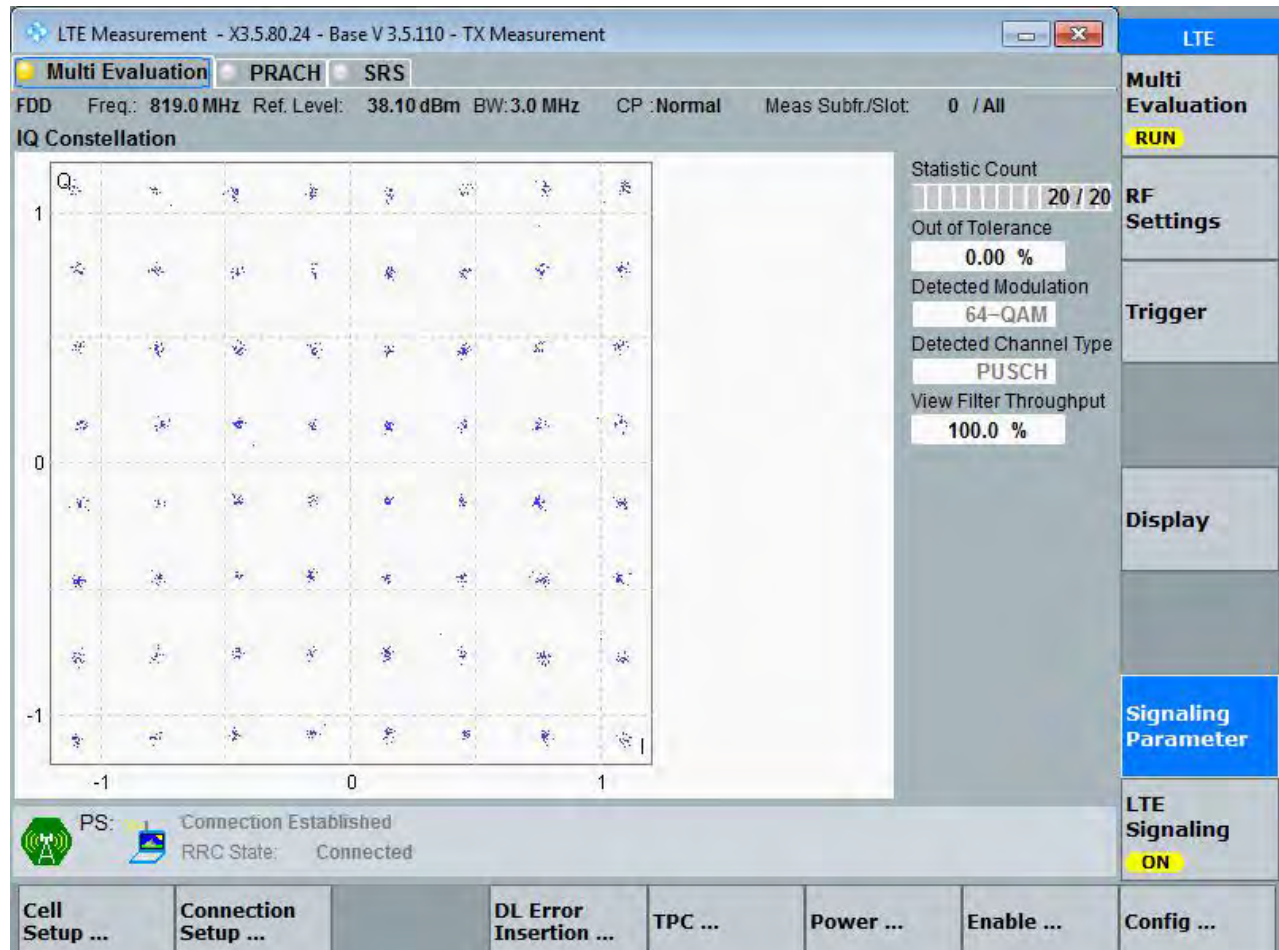
3.1.1.9.1 Test Channel = MCH





3.1.1.10 Test Mode = LTE /TM3 3MHz

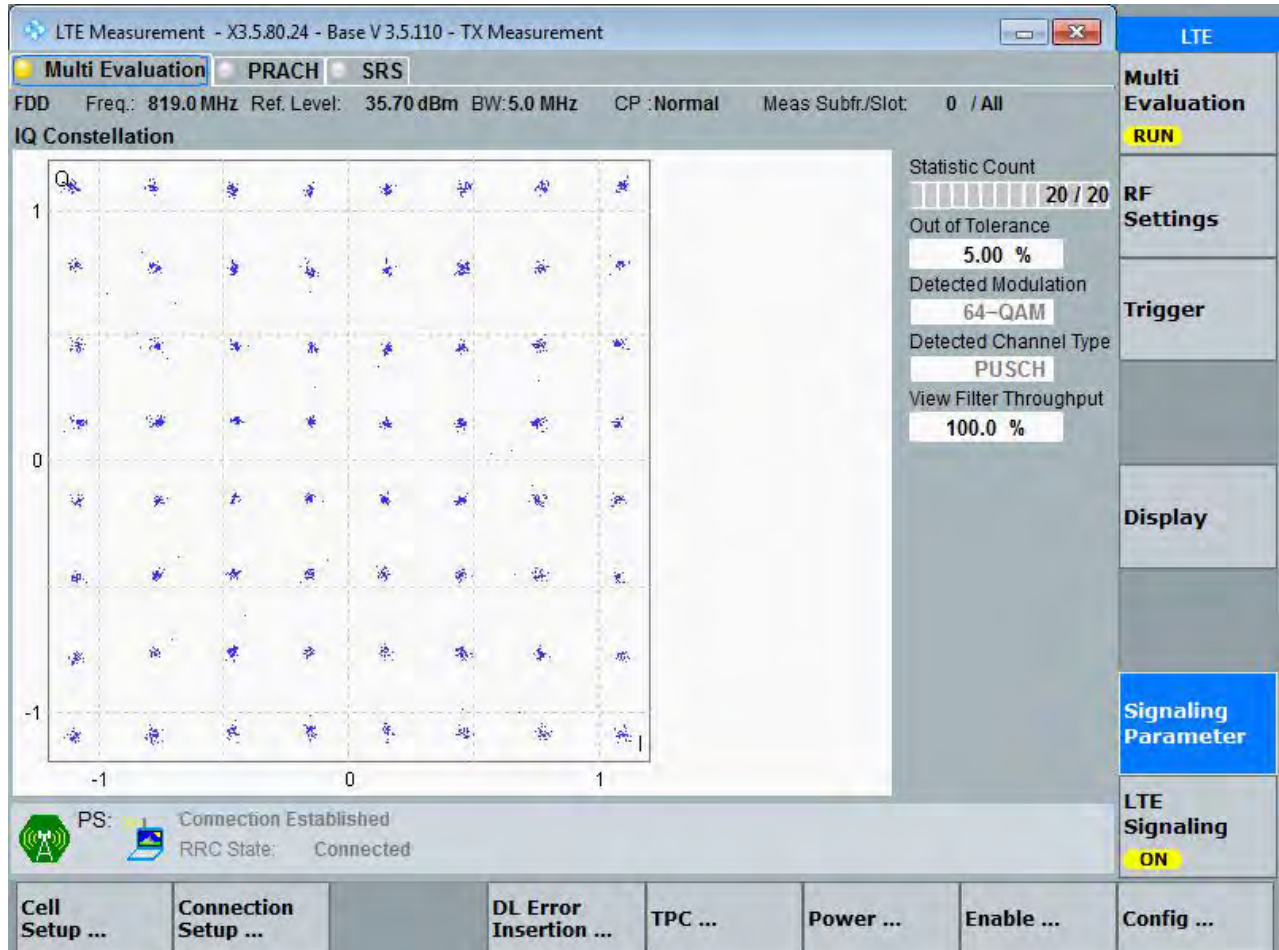
3.1.1.10.1 Test Channel = MCH





3.1.1.1.11 Test Mode = LTE /TM3 5MHz

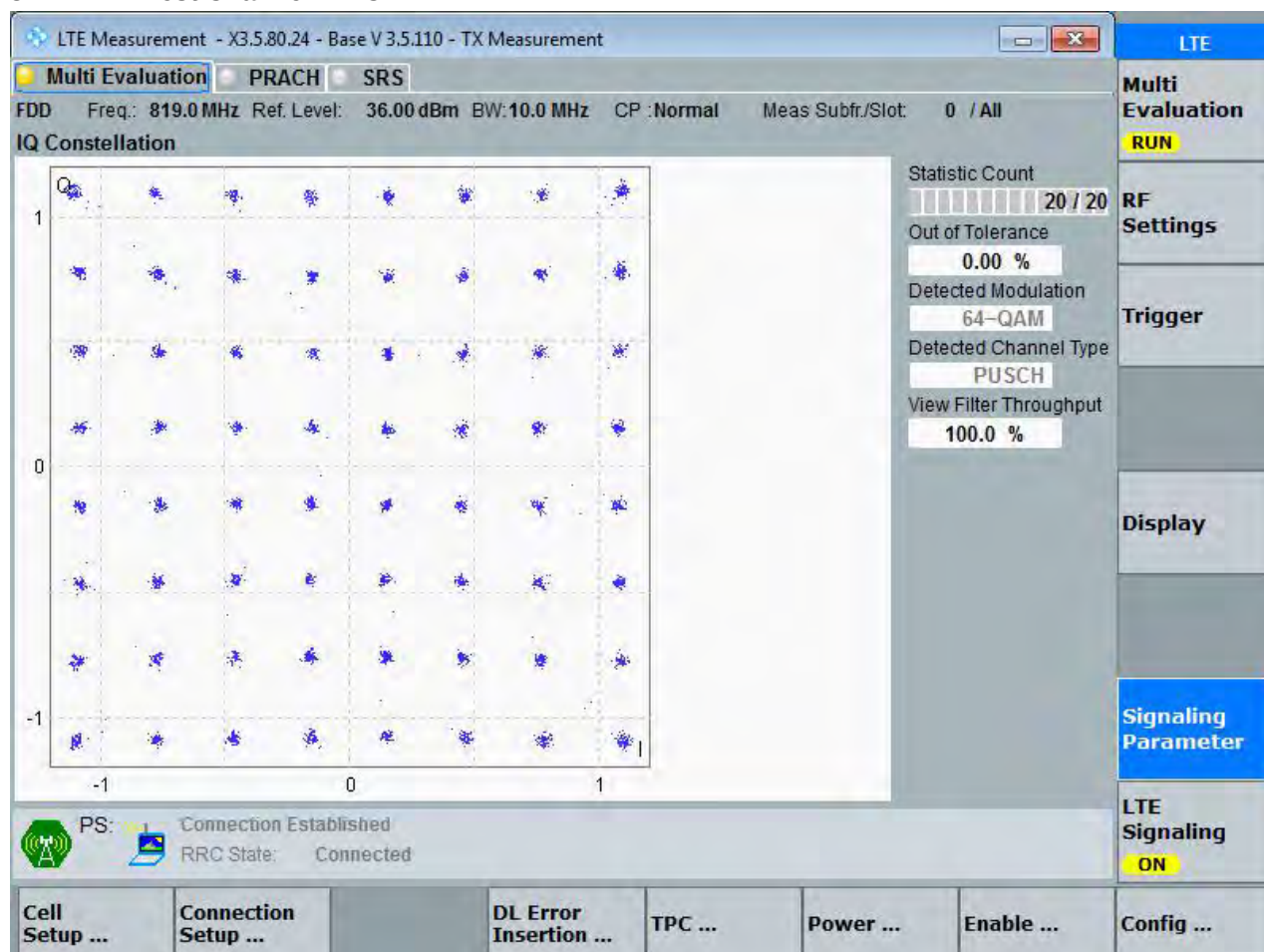
3.1.1.1.1.1 Test Channel = MCH





3.1.1.12 Test Mode = LTE /TM3 10MHz

3.1.1.12.1 Test Channel = MCH





4 Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
Band 26 (814-824)	TM1/1.4MHz	LCH	1.09	1.25	PASS
		MCH	1.09	1.24	PASS
		HCH	1.10	1.23	PASS
	TM2/1.4MHz	LCH	1.09	1.23	PASS
		MCH	1.09	1.25	PASS
		HCH	1.10	1.23	PASS
	TM3/1.4MHz	LCH	1.10	1.26	PASS
		MCH	1.09	1.23	PASS
		HCH	1.09	1.24	PASS
	TM1/ 3MHz	LCH	2.69	2.94	PASS
		MCH	2.69	2.94	PASS
		HCH	2.69	2.94	PASS
	TM2/3MHz	LCH	2.69	2.95	PASS
		MCH	2.69	2.95	PASS
		HCH	2.68	2.93	PASS
	TM3/3MHz	LCH	2.69	2.94	PASS
		MCH	2.69	2.94	PASS
		HCH	2.68	2.90	PASS
	TM1/ 5MHz	LCH	4.49	4.91	PASS
		MCH	4.49	4.91	PASS
		HCH	4.47	4.88	PASS
	TM2/ 5MHz	LCH	4.49	4.91	PASS
		MCH	4.48	4.87	PASS
		HCH	4.48	4.92	PASS
	TM3/5MHz	LCH	4.48	4.91	PASS
		MCH	4.48	4.90	PASS
		HCH	4.48	4.86	PASS
	TM1/10MHz	LCH	/	/	PASS
		MCH	8.95	9.66	PASS
		HCH	/	/	PASS
	TM2/ 10MHz	LCH	/	/	PASS
		MCH	8.93	9.57	PASS
		HCH	/	/	PASS
	TM3/ 10MHz	LCH	/	/	PASS
		MCH	8.93	9.63	PASS
		HCH	/	/	PASS

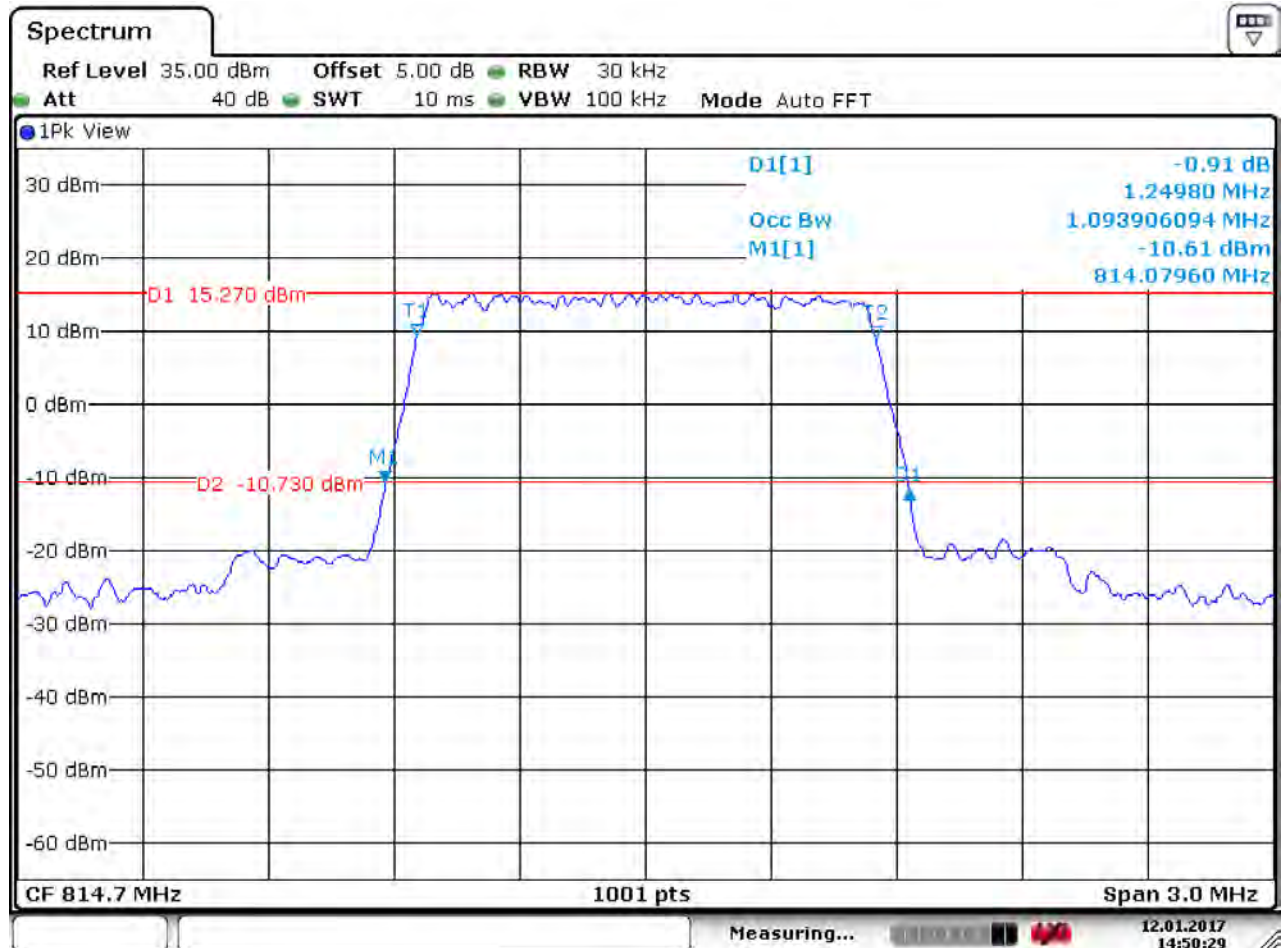


4.1 For LTE

4.1.1 Test Band = LTE band26(814-824)

4.1.1.1 Test Mode = LTE/TM1 1.4MHz

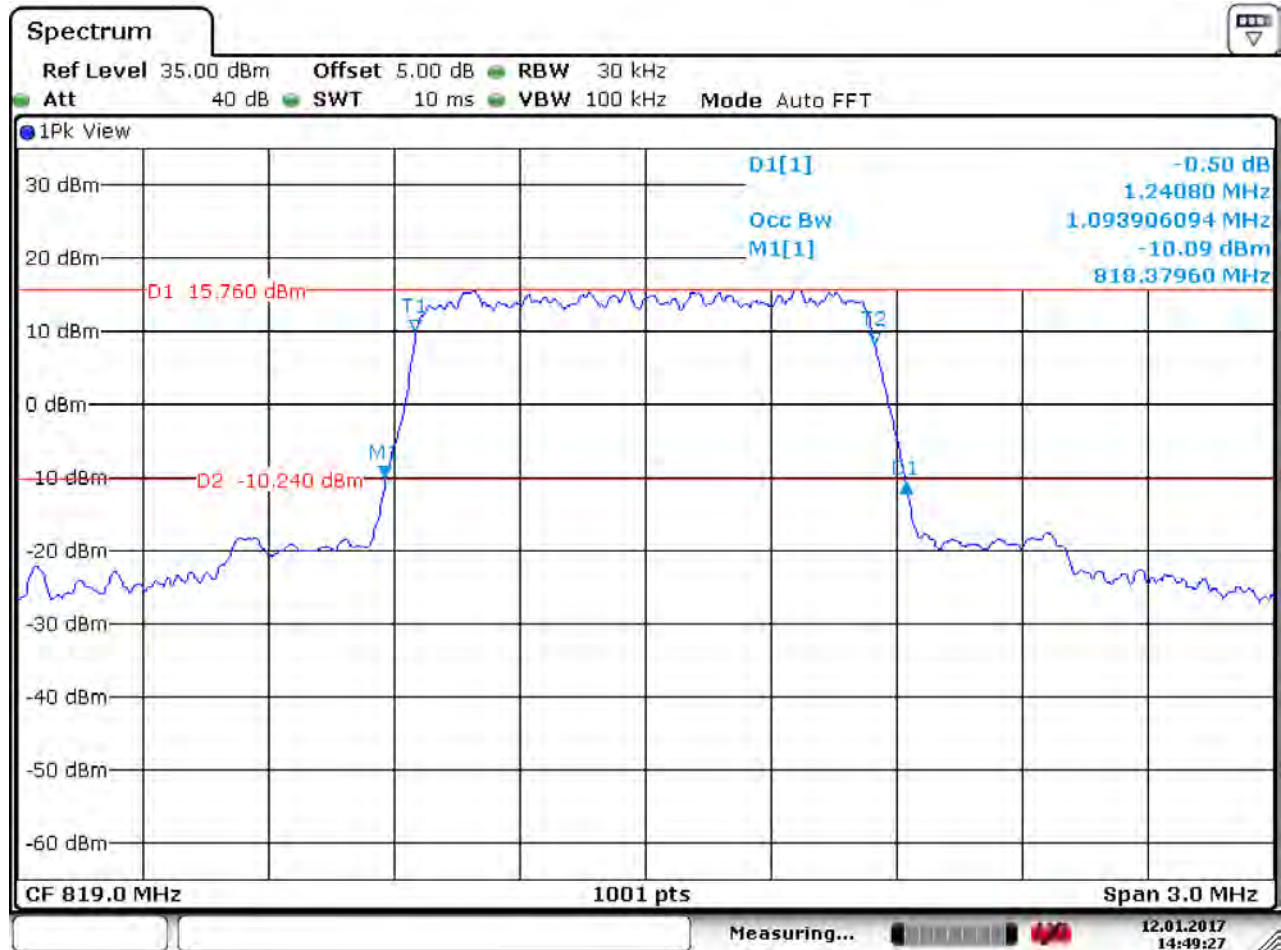
4.1.1.1.1 Test Channel = LCH



Date: 12.JAN.2017 14:50:29

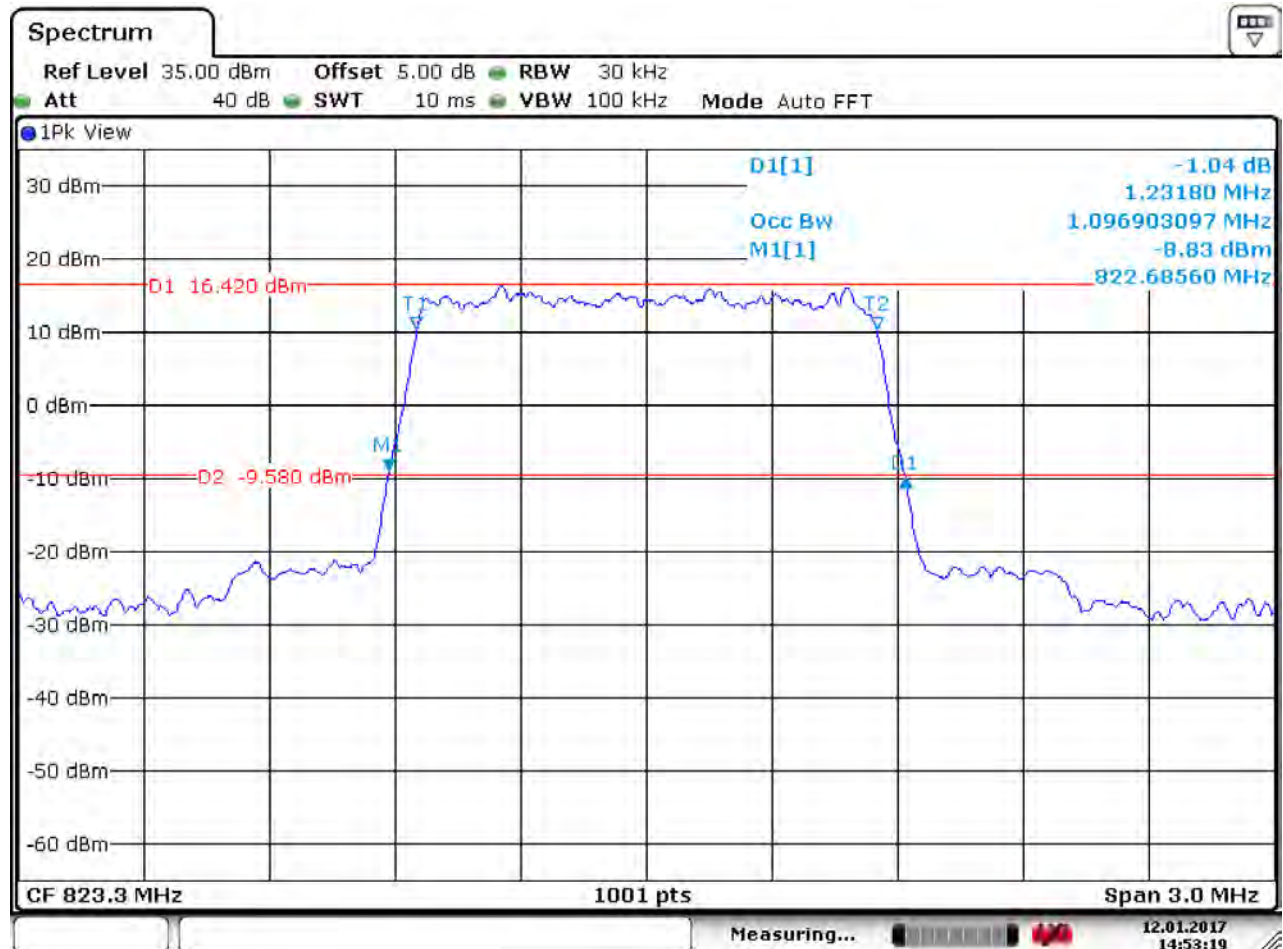


4.1.1.1.2 Test Channel = MCH



Date: 12.JAN.2017 14:49:27

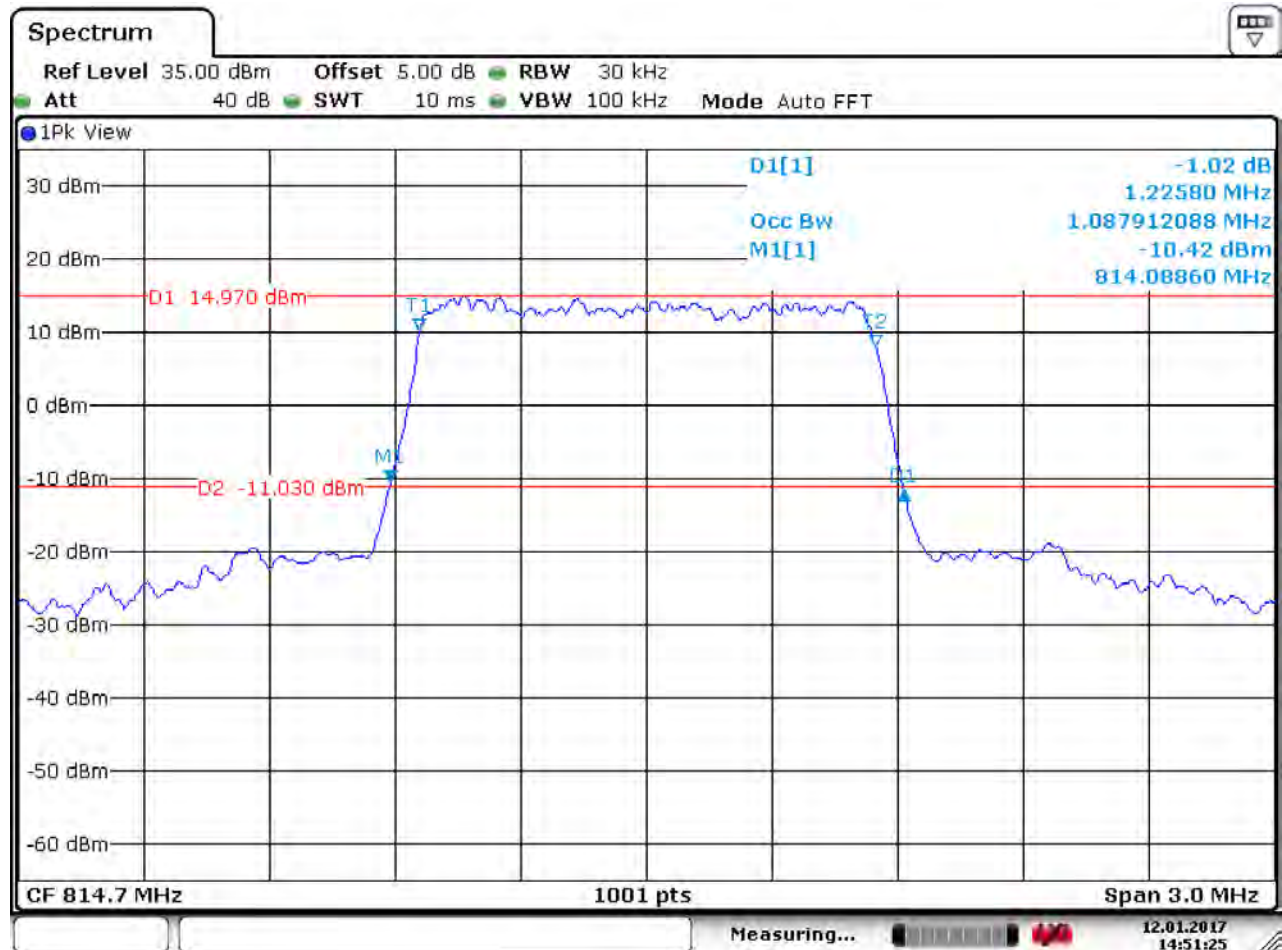
4.1.1.1.3 Test Channel = HCH



Date: 12.JAN.2017 14:53:20

4.1.1.2 Test Mode = LTE/TM2 1.4MHz

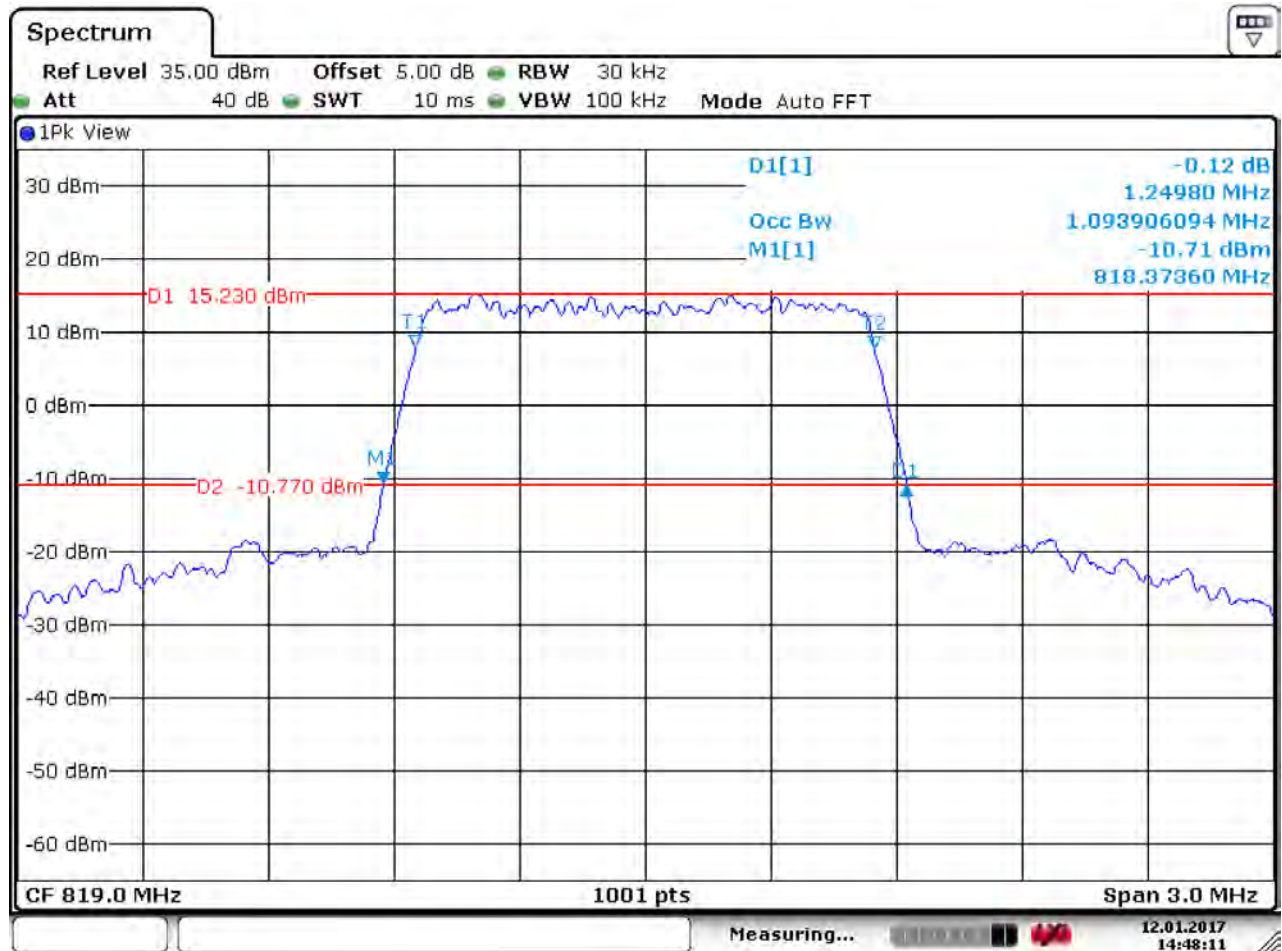
4.1.1.2.1 Test Channel = LCH



Date: 12.JAN.2017 14:51:26



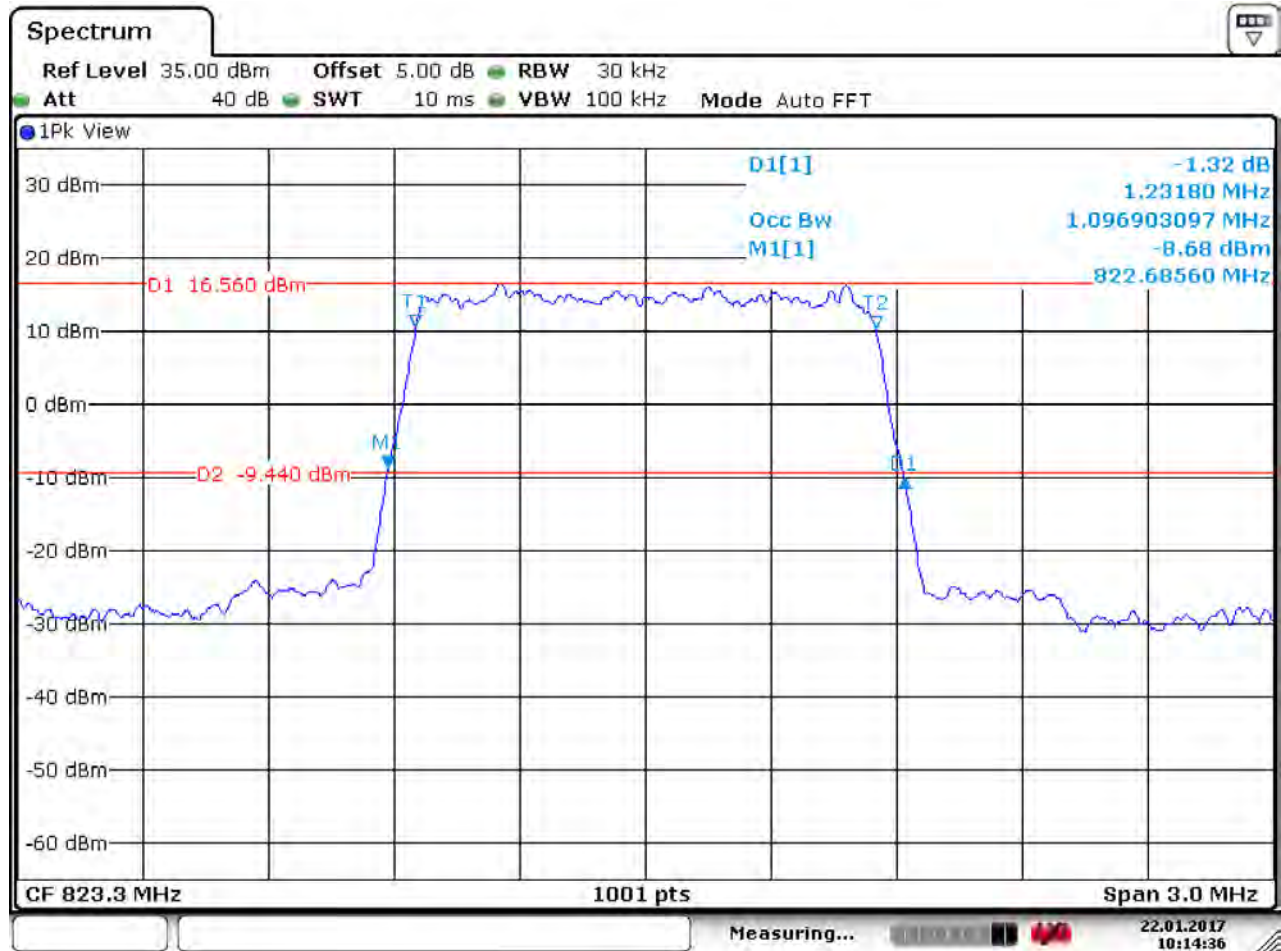
4.1.1.2.2 Test Channel = MCH



Date: 12.JAN.2017 14:48:11



4.1.1.2.3 Test Channel = HCH

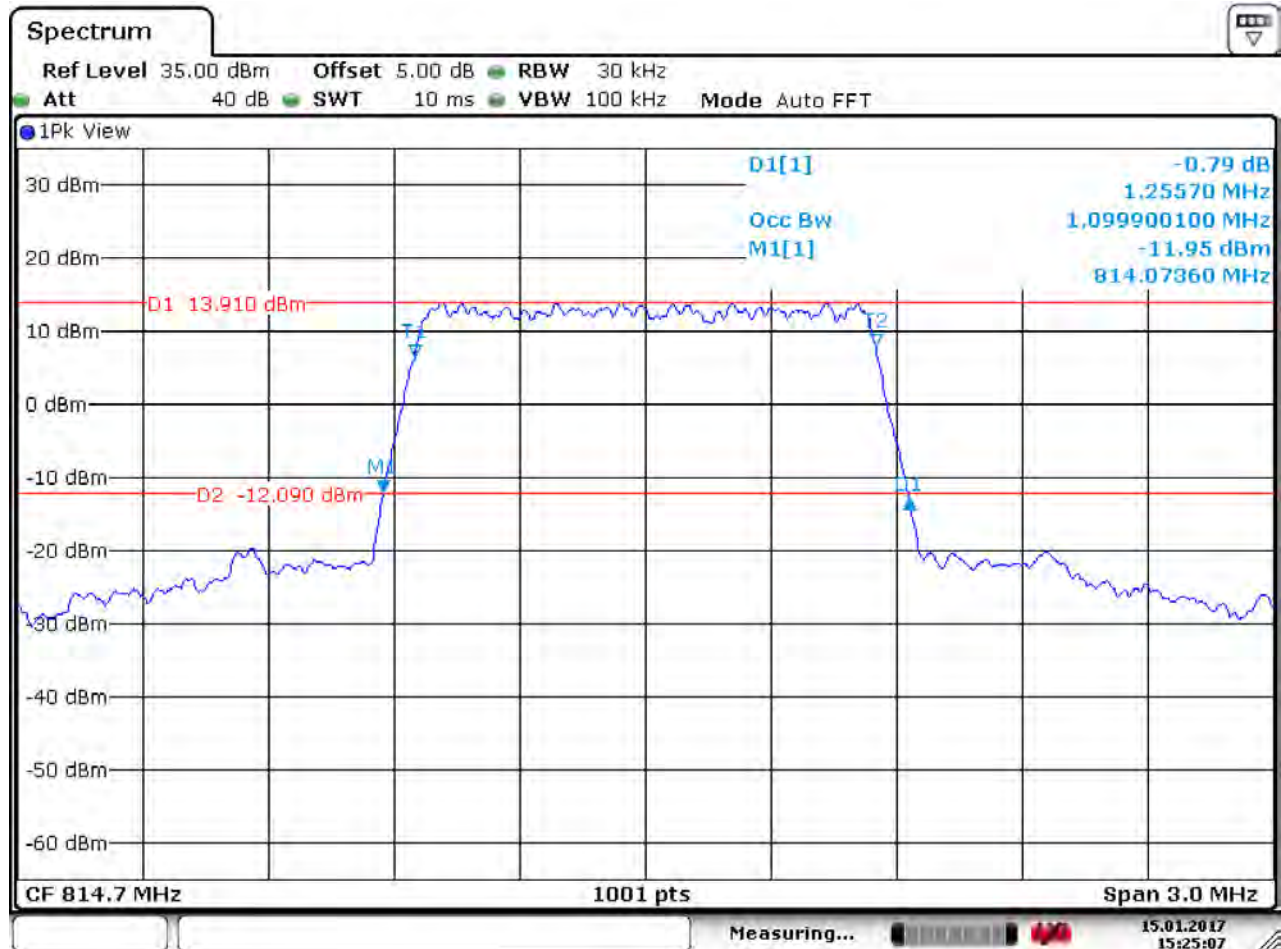


Date: 22.JAN.2017 10:14:36



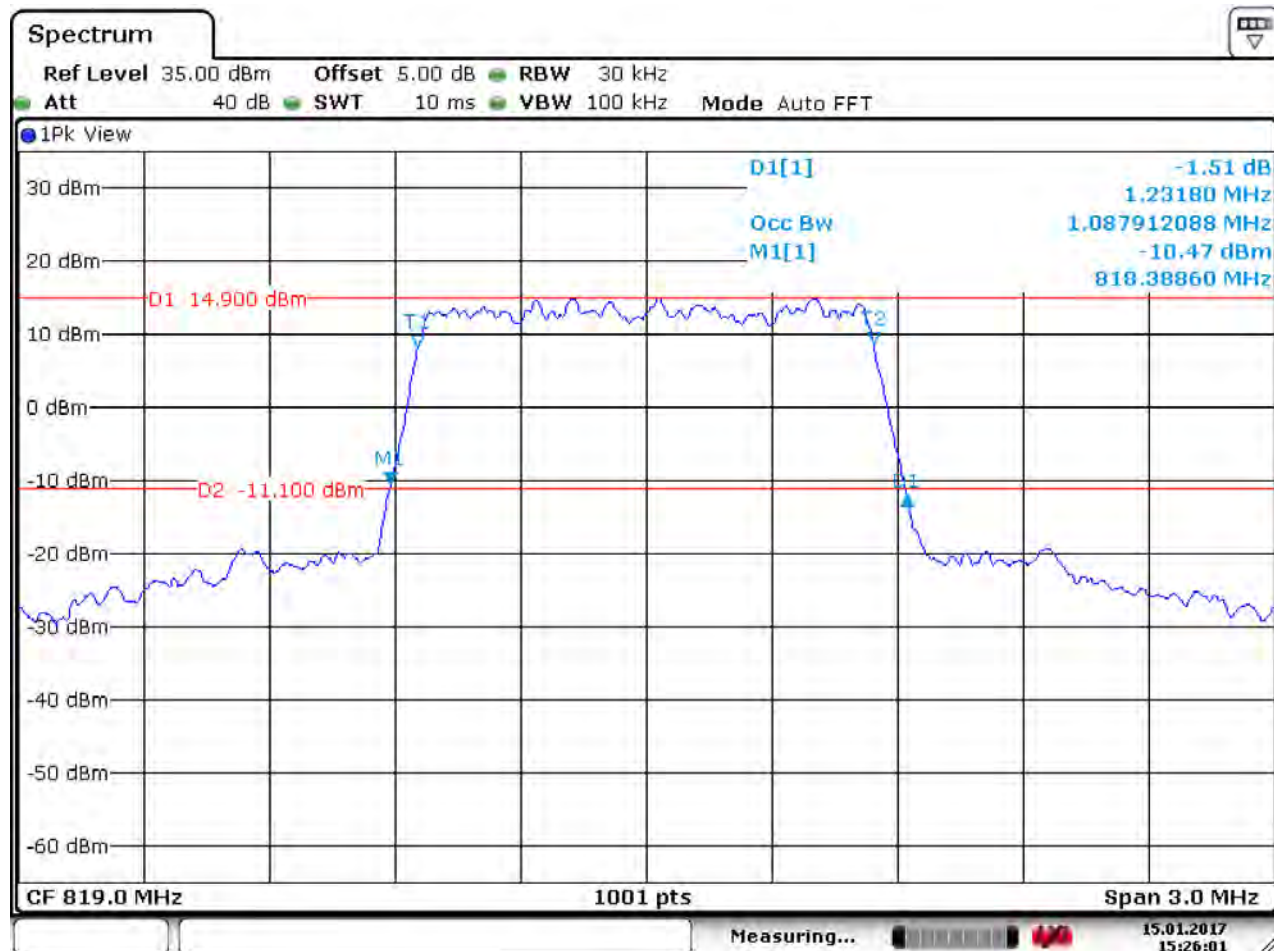
4.1.1.3 Test Mode = LTE/TM3 1.4MHz

4.1.1.3.1 Test Channel = LCH



Date: 15.JAN.2017 15:25:08

4.1.1.3.2 Test Channel = MCH

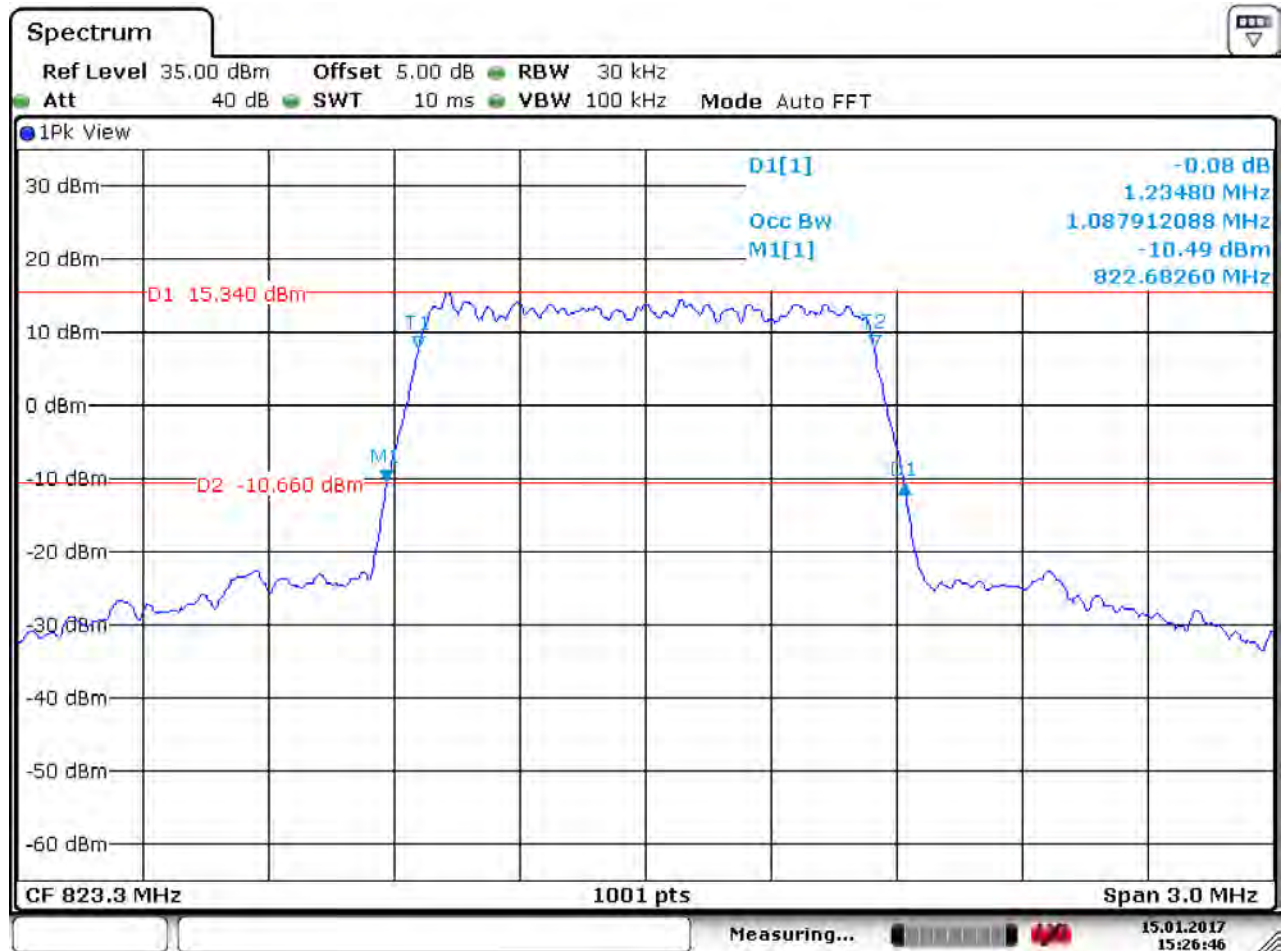


Date: 15.JAN.2017 15:26:01

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



4.1.1.3.3 Test Channel = HCH

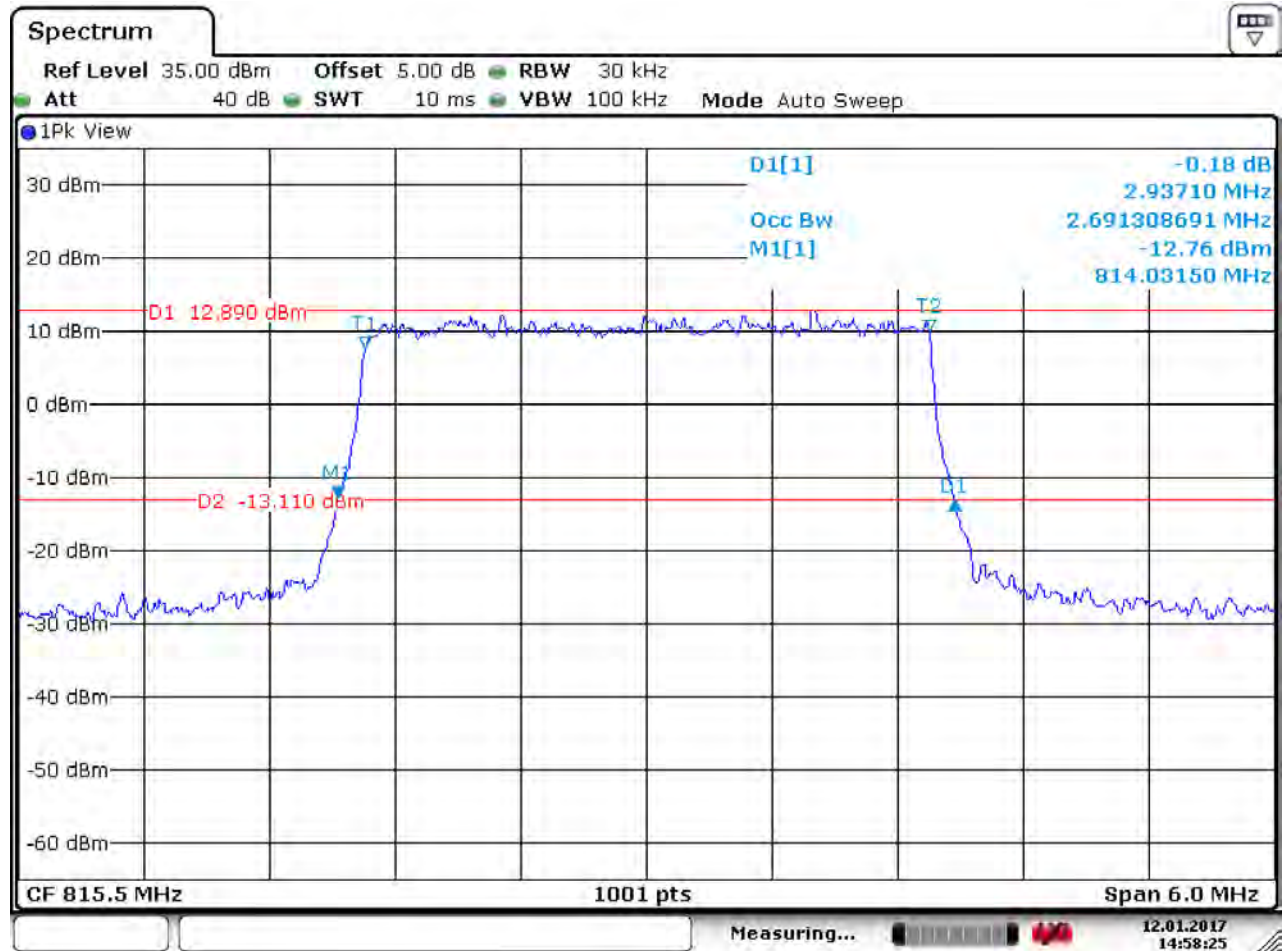


Date: 15.JAN.2017 15:26:46



4.1.1.4 Test Mode = LTE/TM1 3MHz

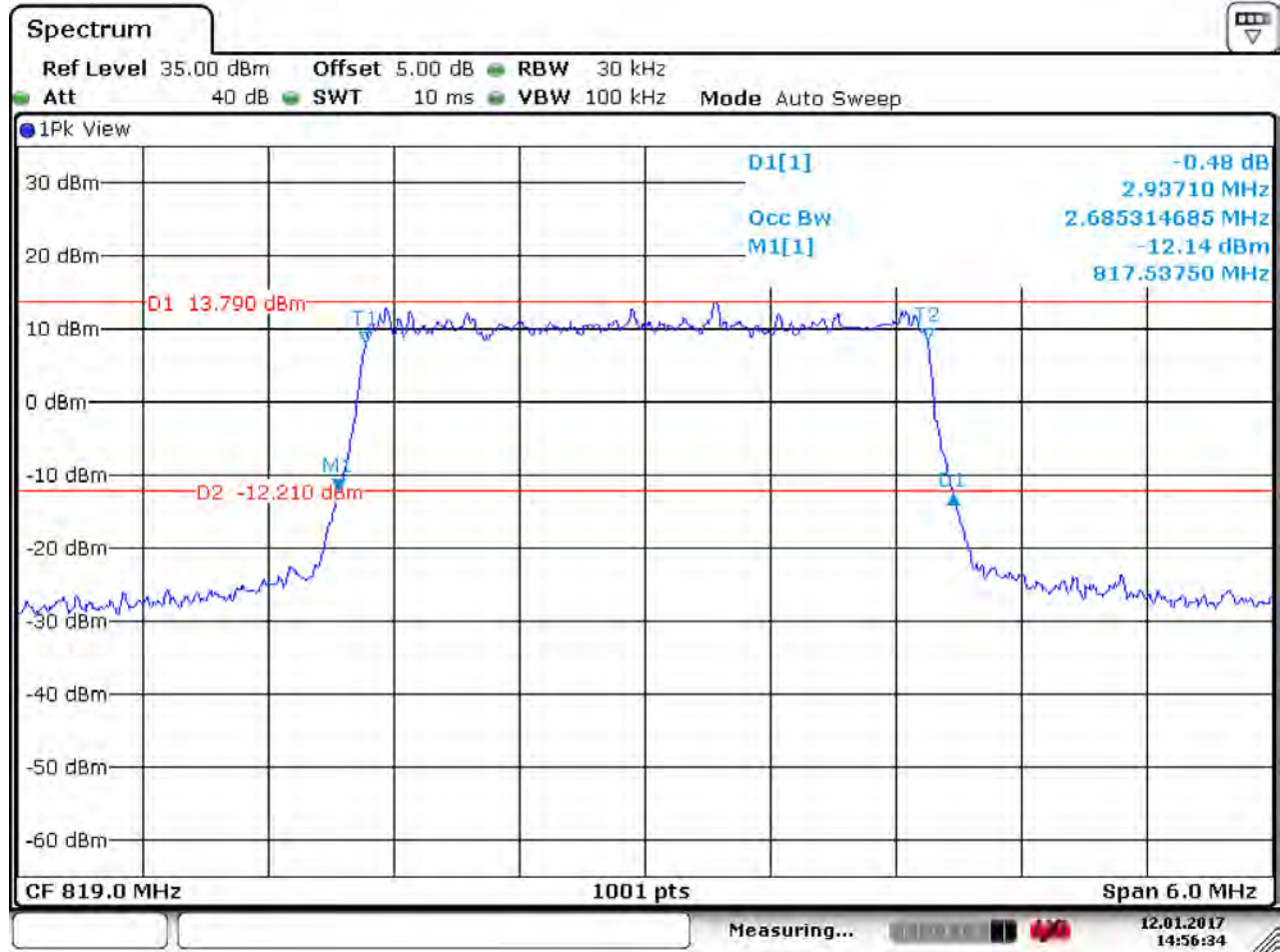
4.1.1.4.1 Test Channel = LCH



Date: 12.JAN.2017 14:58:26



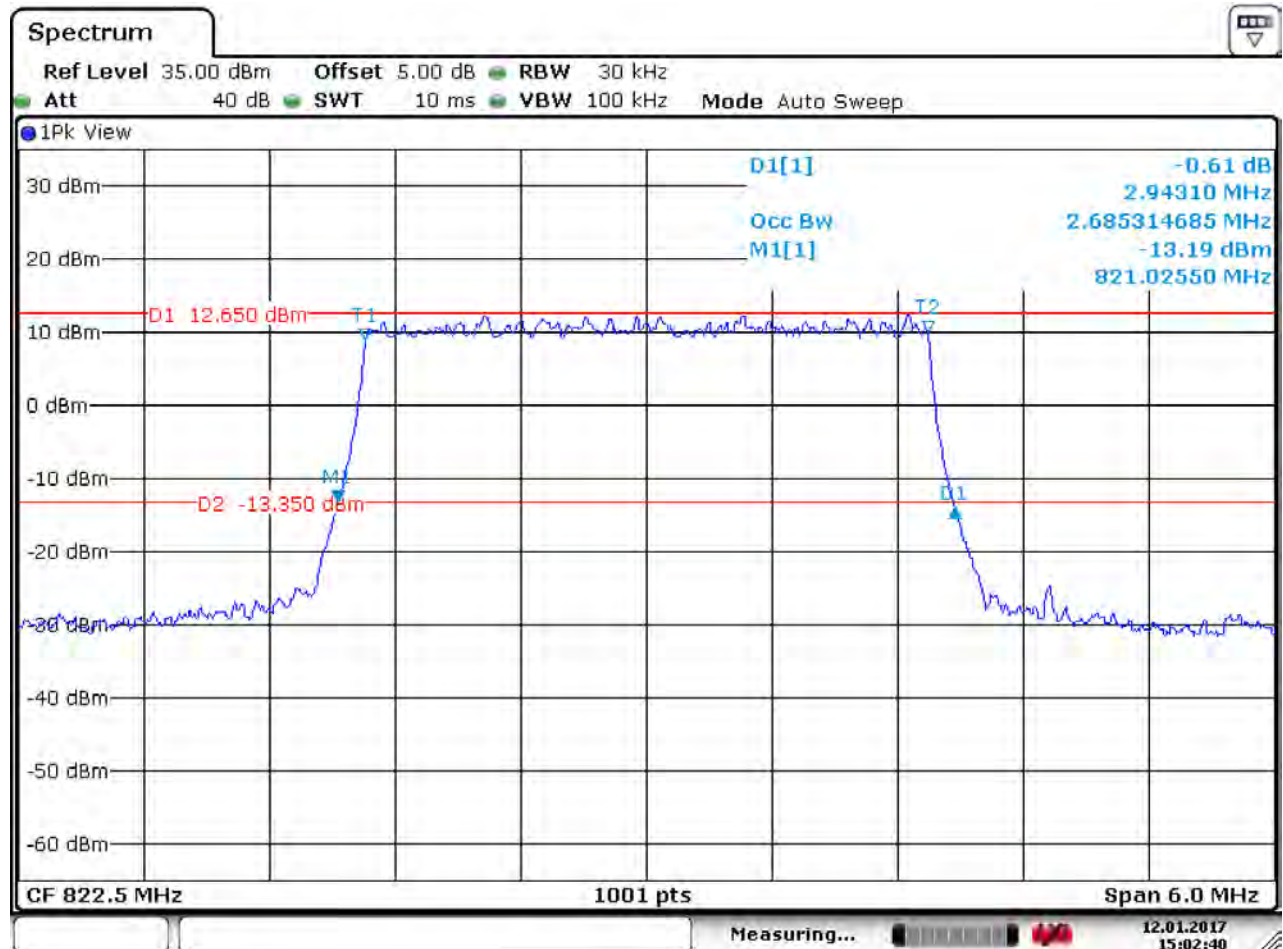
4.1.1.4.2 Test Channel = MCH



Date: 12.JAN.2017 14:56:34



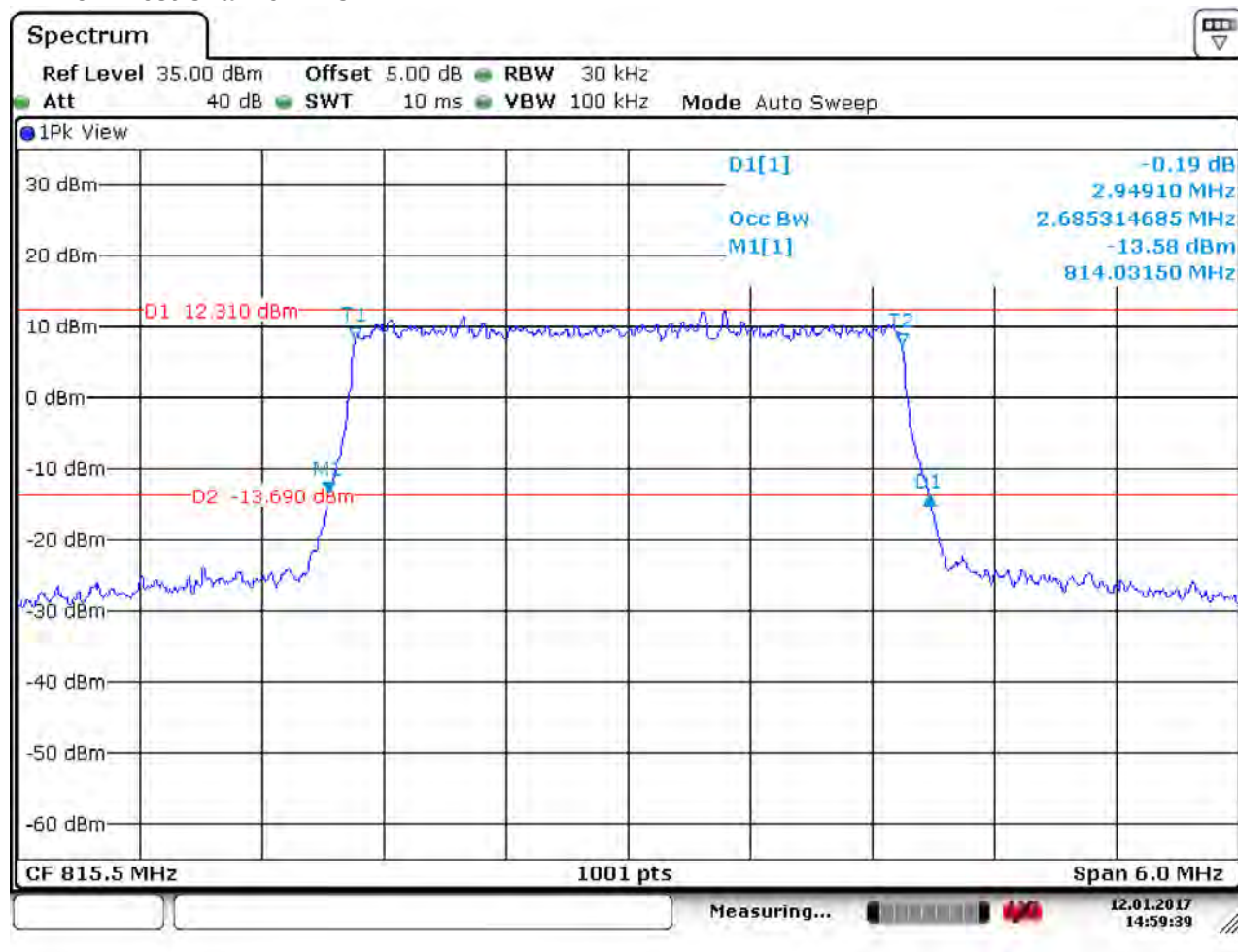
4.1.1.4.3 Test Channel = HCH



Date: 12.JAN.2017 15:02:40

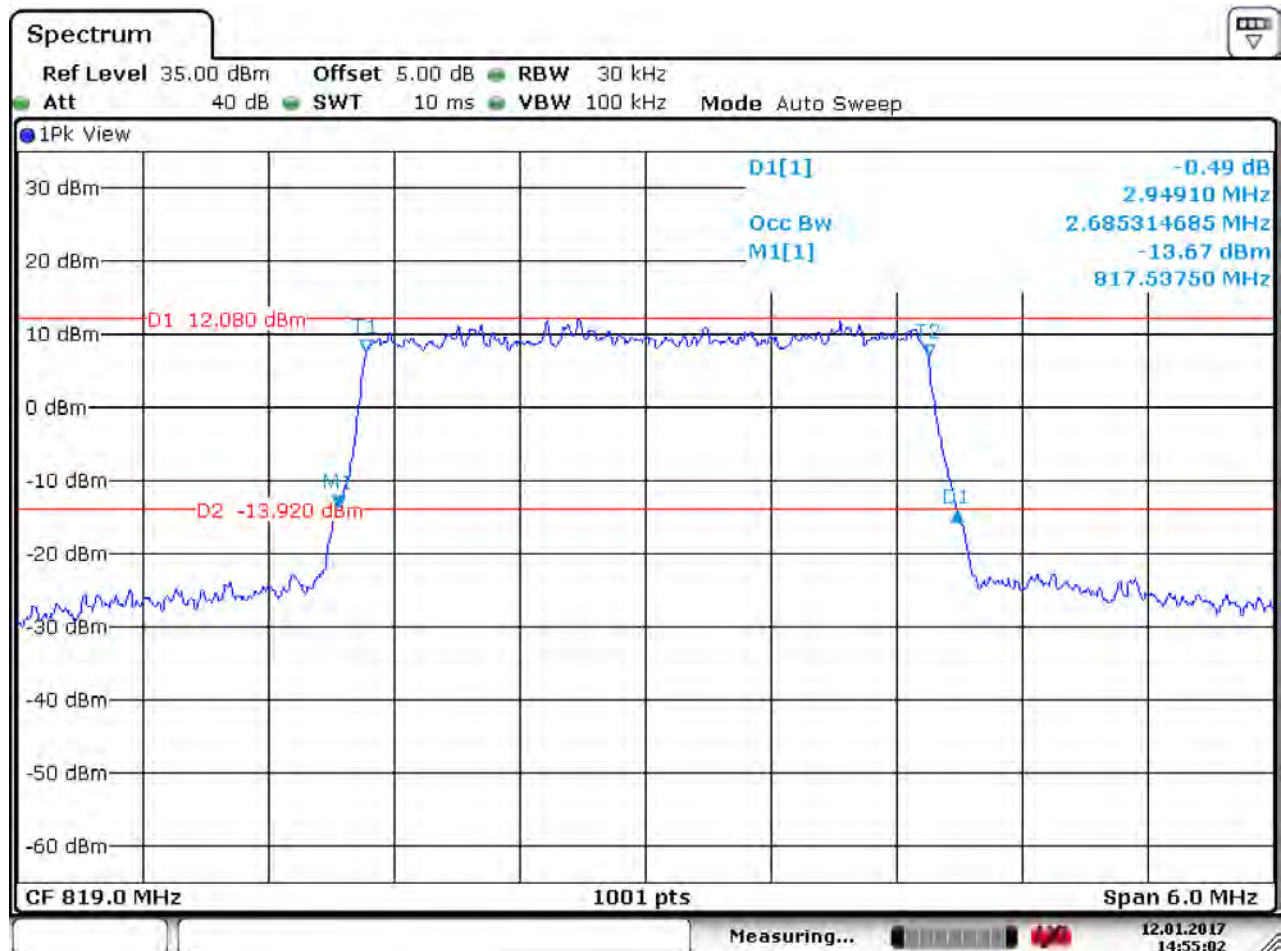
4.1.1.5 Test Mode = LTE/TM2 3MHz

4.1.1.5.1 Test Channel = LCH



Date: 12.JAN.2017 14:59:40

4.1.1.5.2 Test Channel = MCH

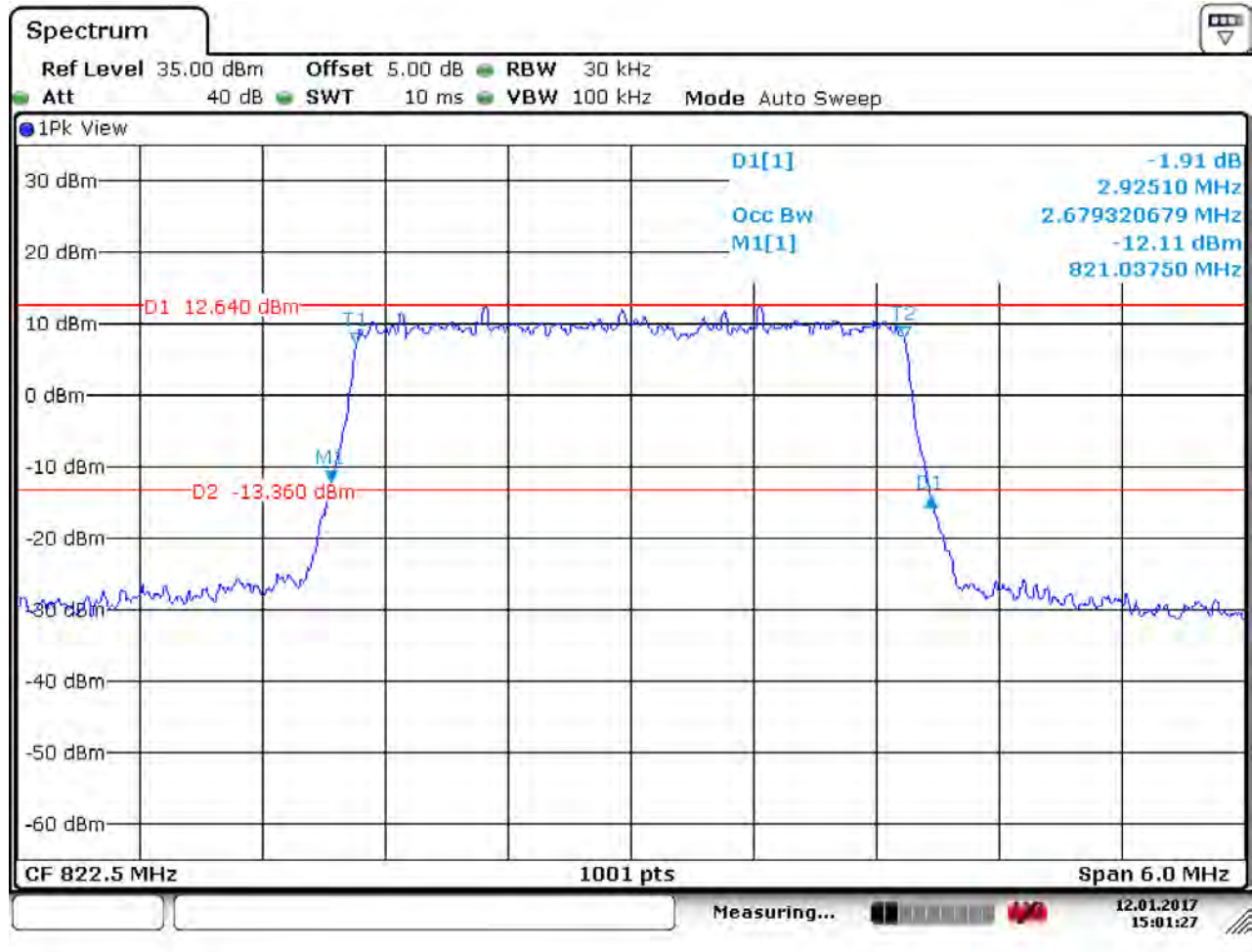


Date: 12.JAN.2017 14:55:03

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sqs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sqs.com/terms_e-document.htm. 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 90 days only."



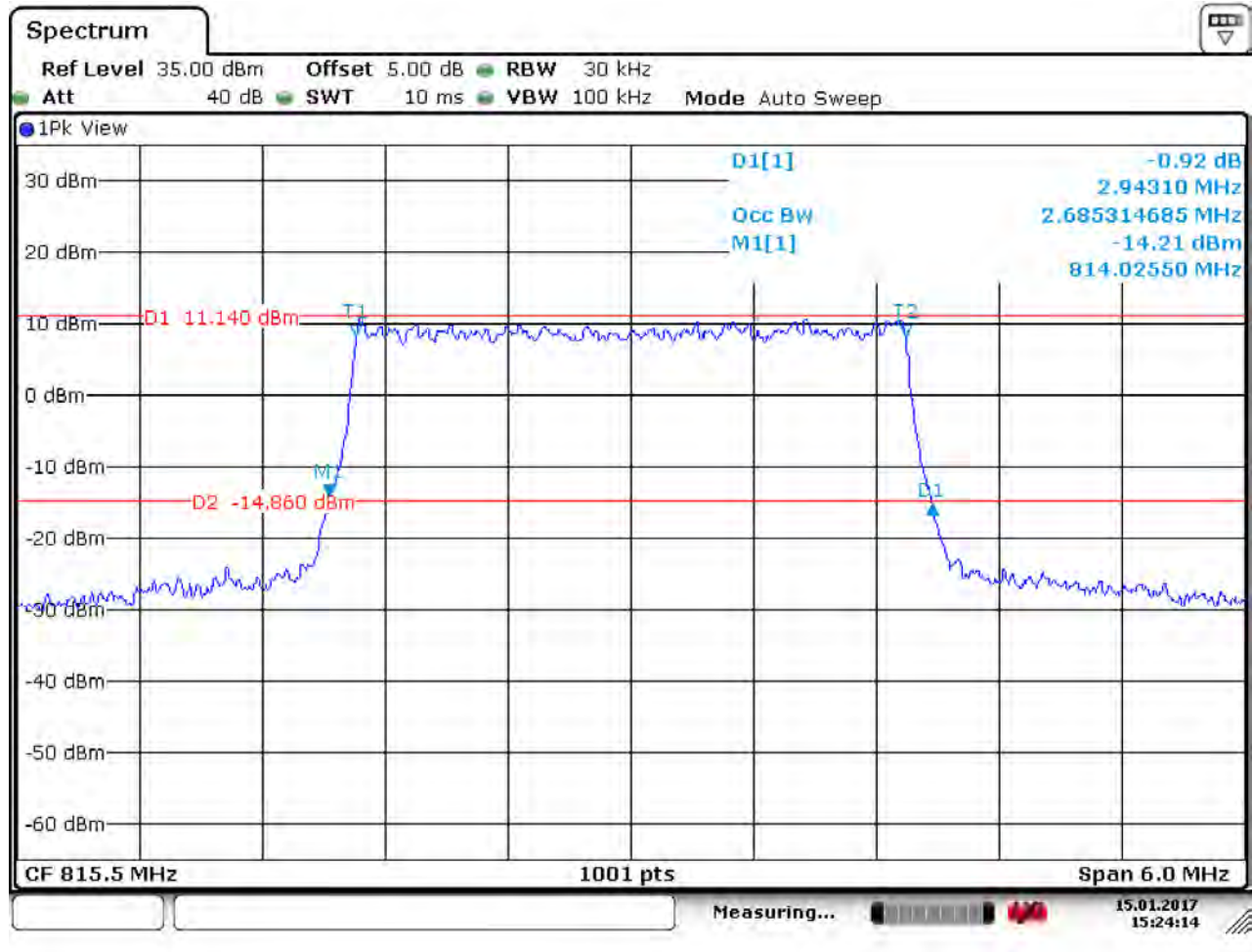
4.1.1.5.3 Test Channel = HCH



Date: 12.JAN.2017 15:01:27

4.1.1.6 Test Mode = LTE/TM3 3MHz

4.1.1.6.1 Test Channel = LCH

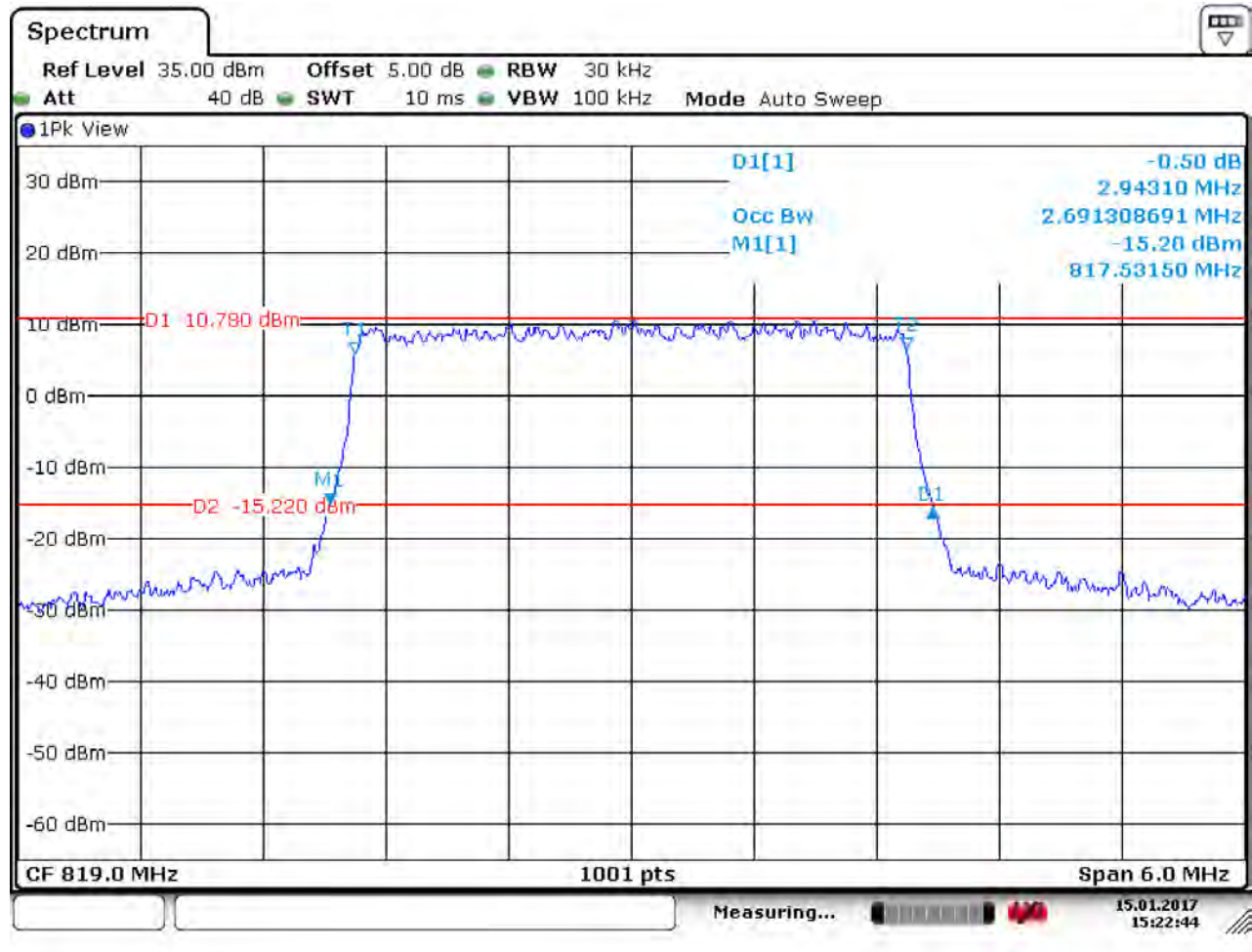


Date: 15.JAN.2017 15:24:14

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



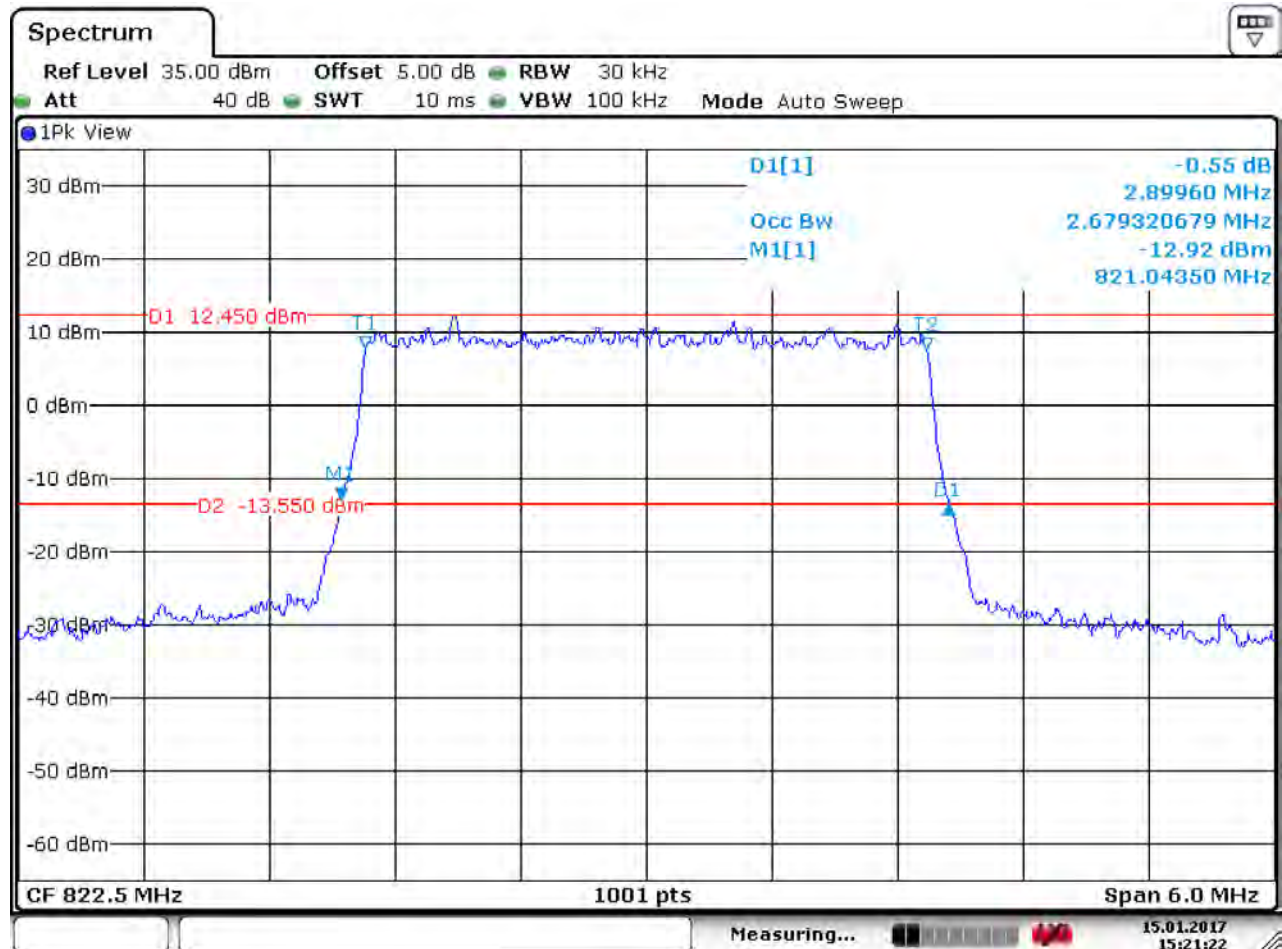
4.1.1.6.2 Test Channel =MCH



Date: 15.JAN.2017 15:22:45



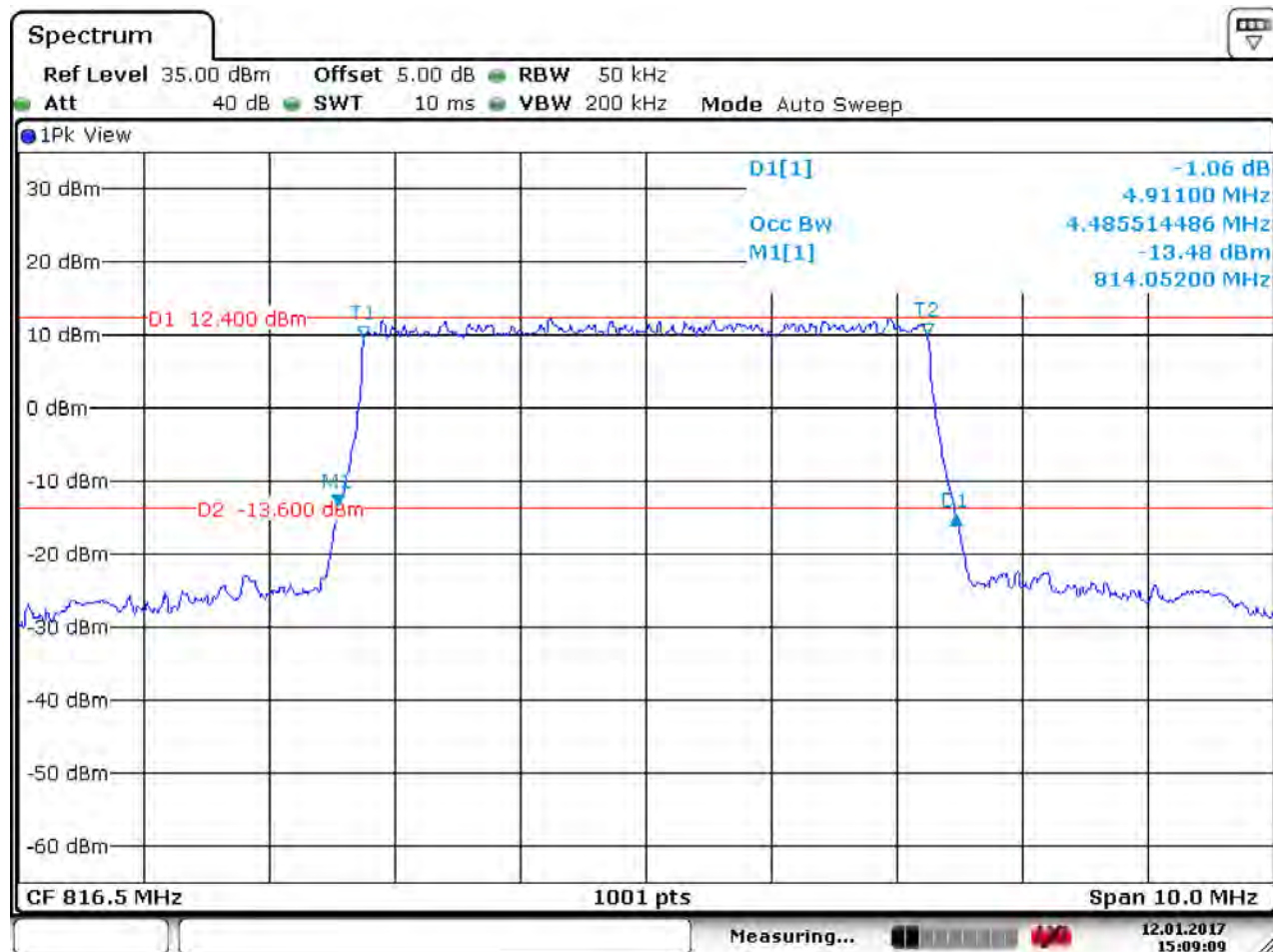
4.1.1.6.3 Test Channel = HCH



Date: 15.JAN.2017 15:21:22

4.1.1.7 Test Mode = LTE/TM1 5MHz

4.1.1.7.1 Test Channel = LCH

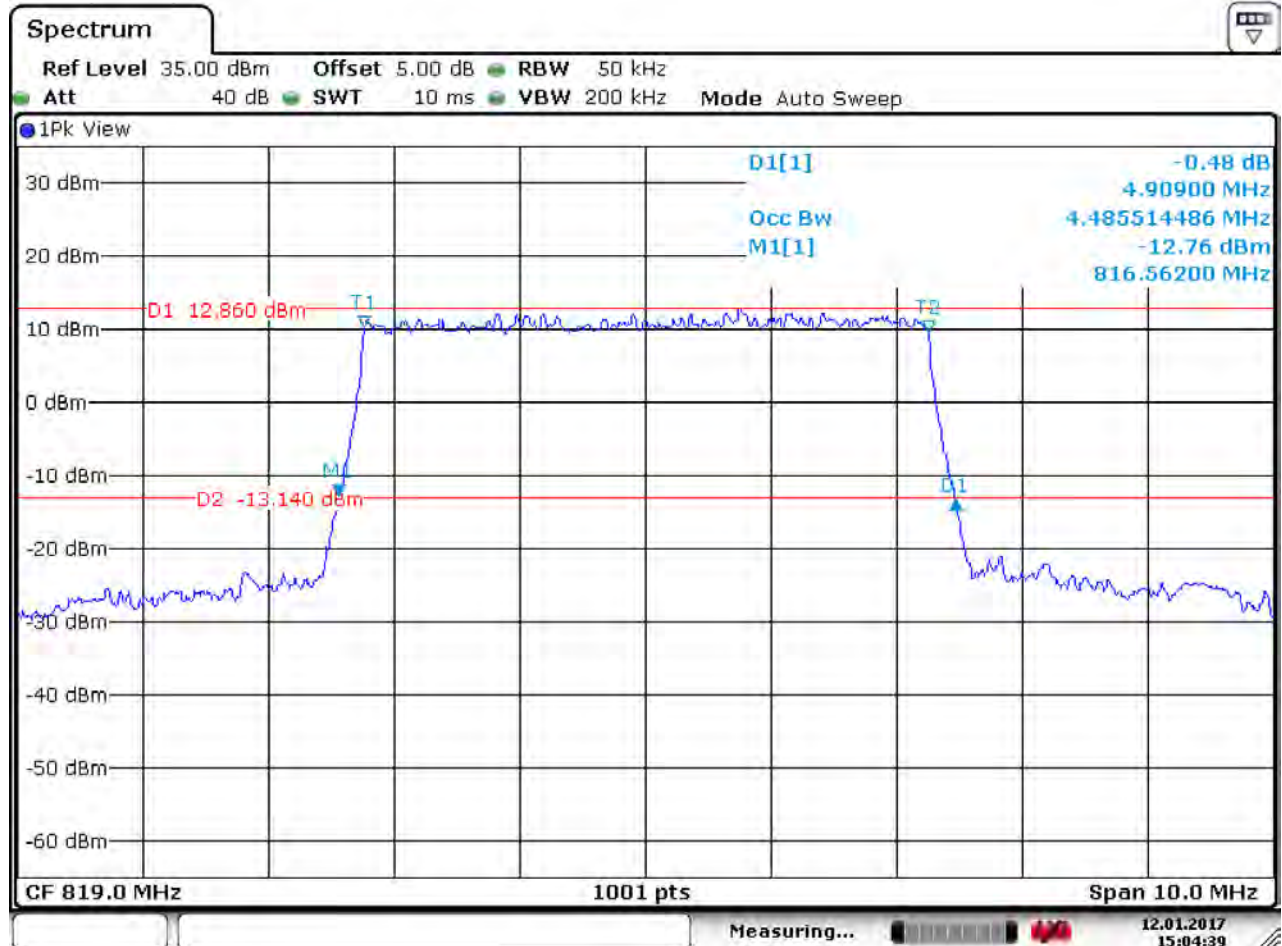


Date: 12.JAN.2017 15:09:09

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



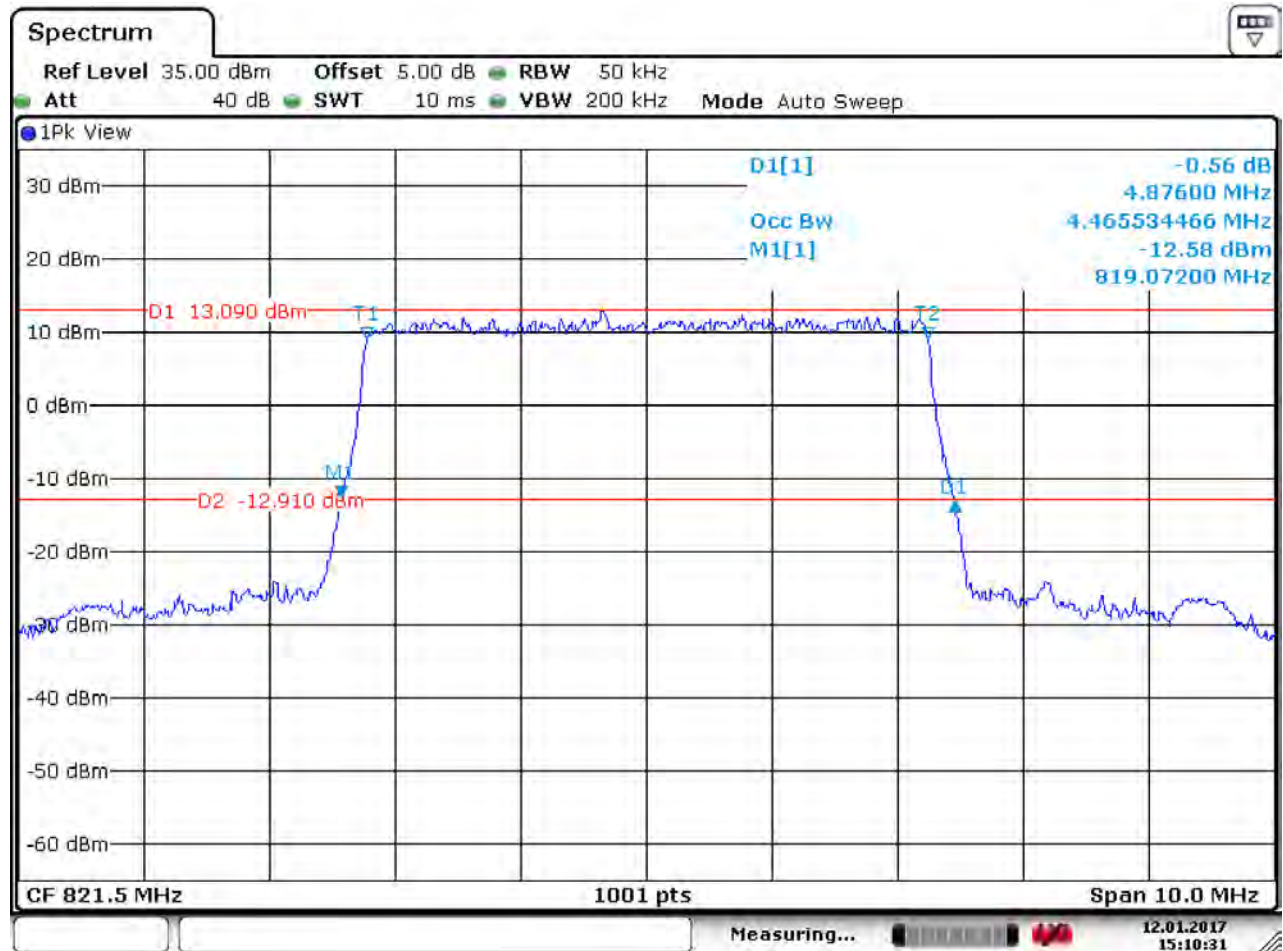
4.1.1.7.2 Test Channel = MCH



Date: 12.JAN.2017 15:04:40



4.1.1.7.3 Test Channel = HCH

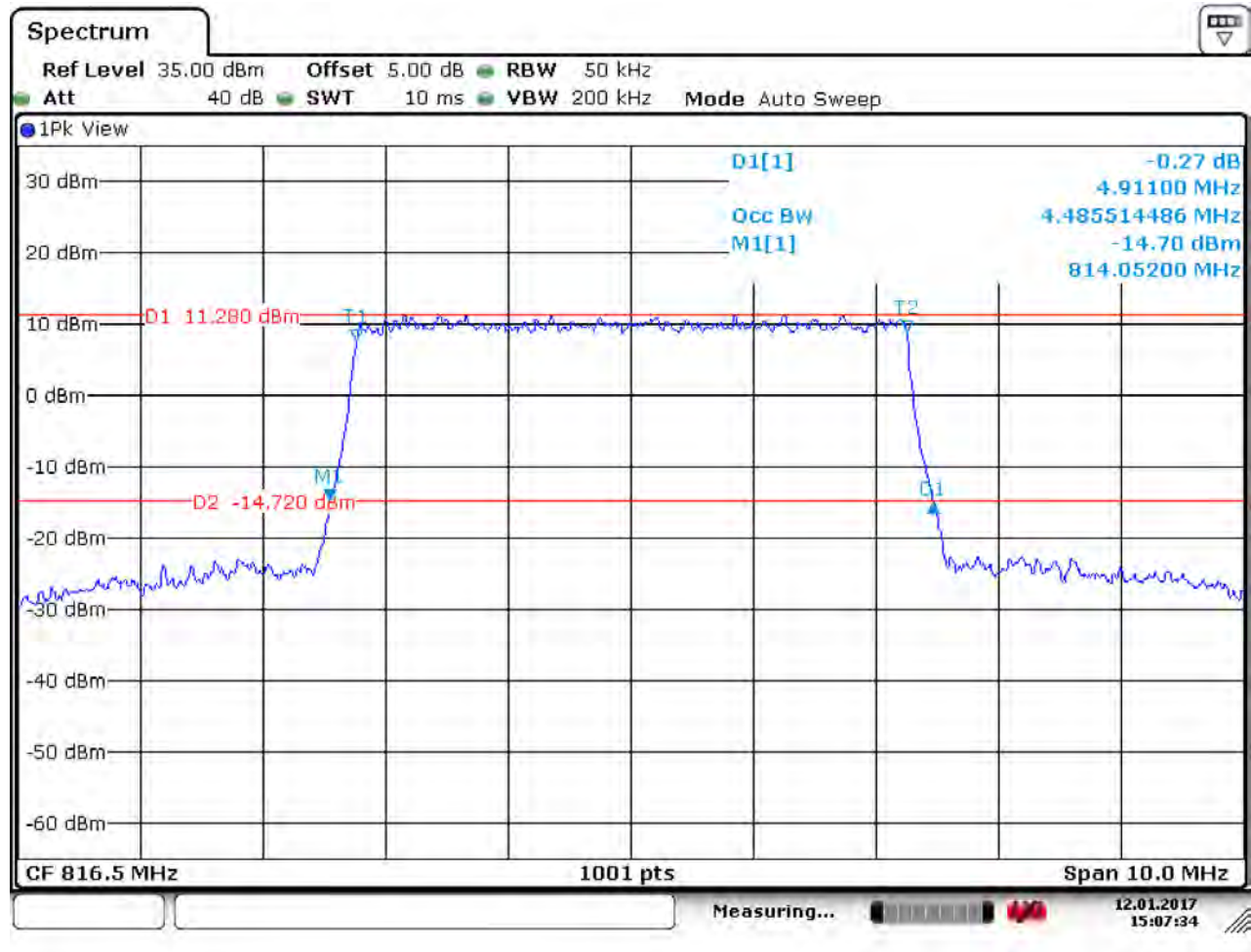


Date: 12.JAN.2017 15:10:32



4.1.1.8 Test Mode = LTE/TM2 5MHz

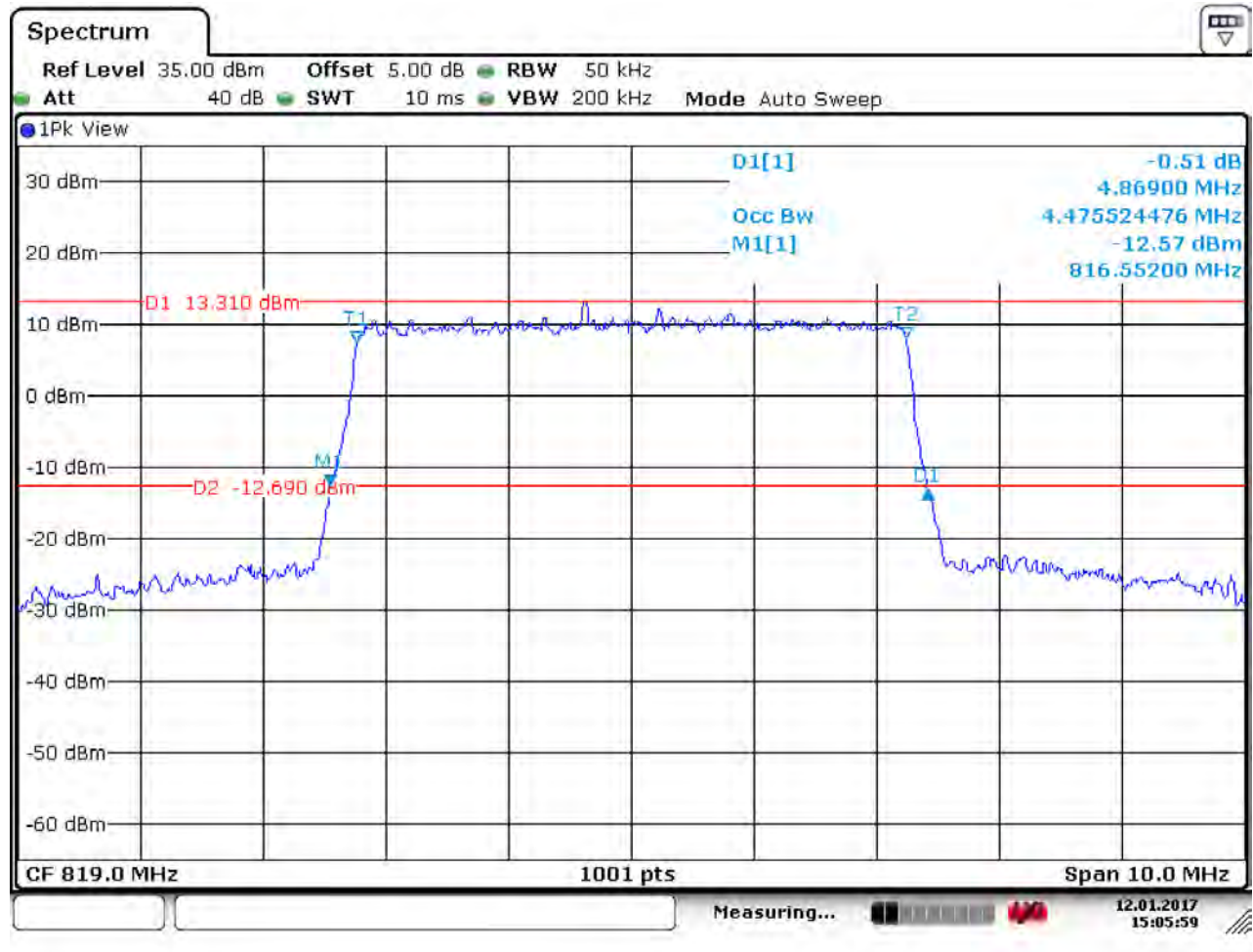
4.1.1.8.1 Test Channel = LCH



Date: 12.JAN.2017 15:07:34



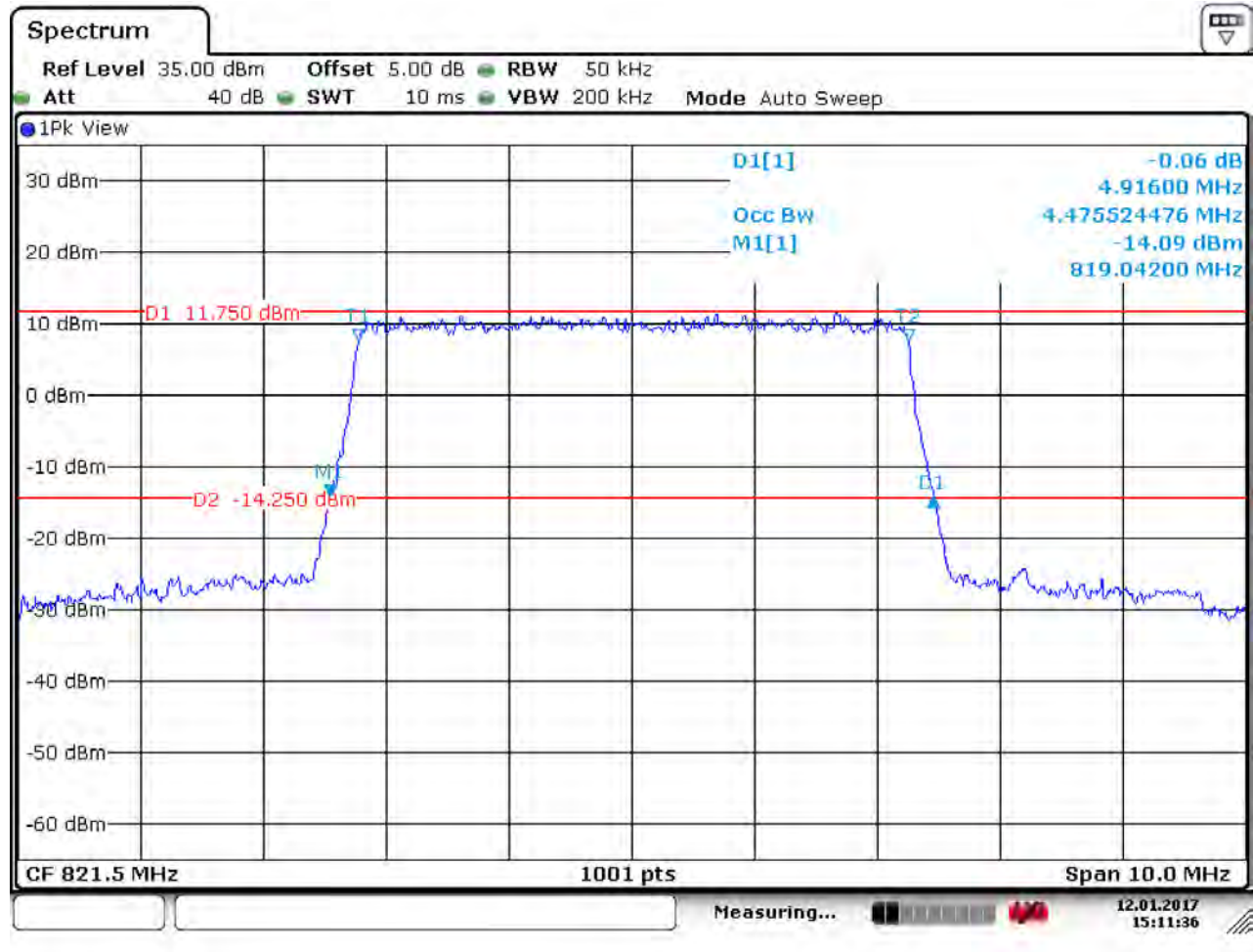
4.1.1.8.2 Test Channel = MCH



Date: 12.JAN.2017 15:05:59



4.1.1.8.3 Test Channel = HCH

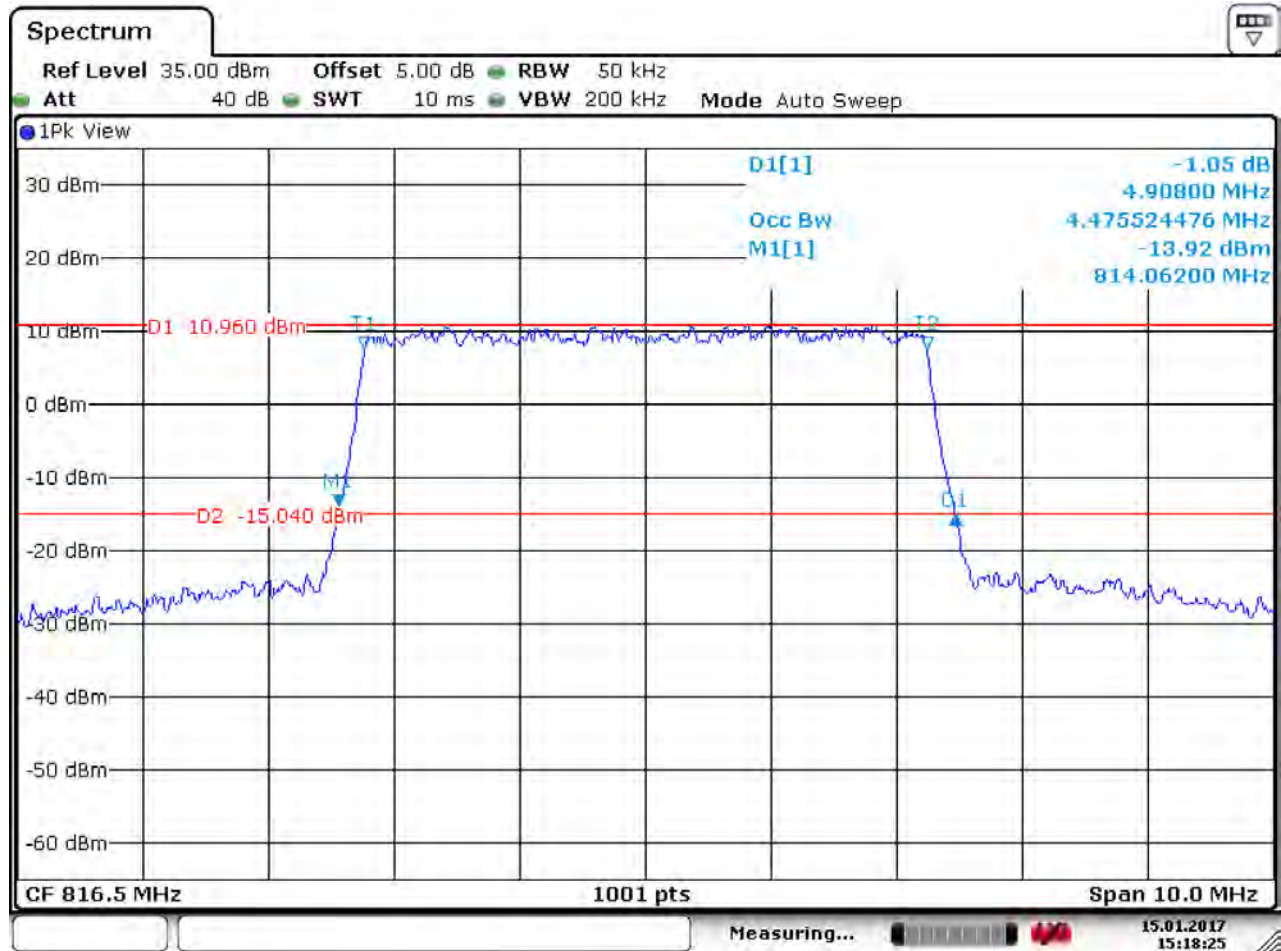


Date: 12.JAN.2017 15:11:37



4.1.1.9 Test Mode = LTE/TM3 5MHz

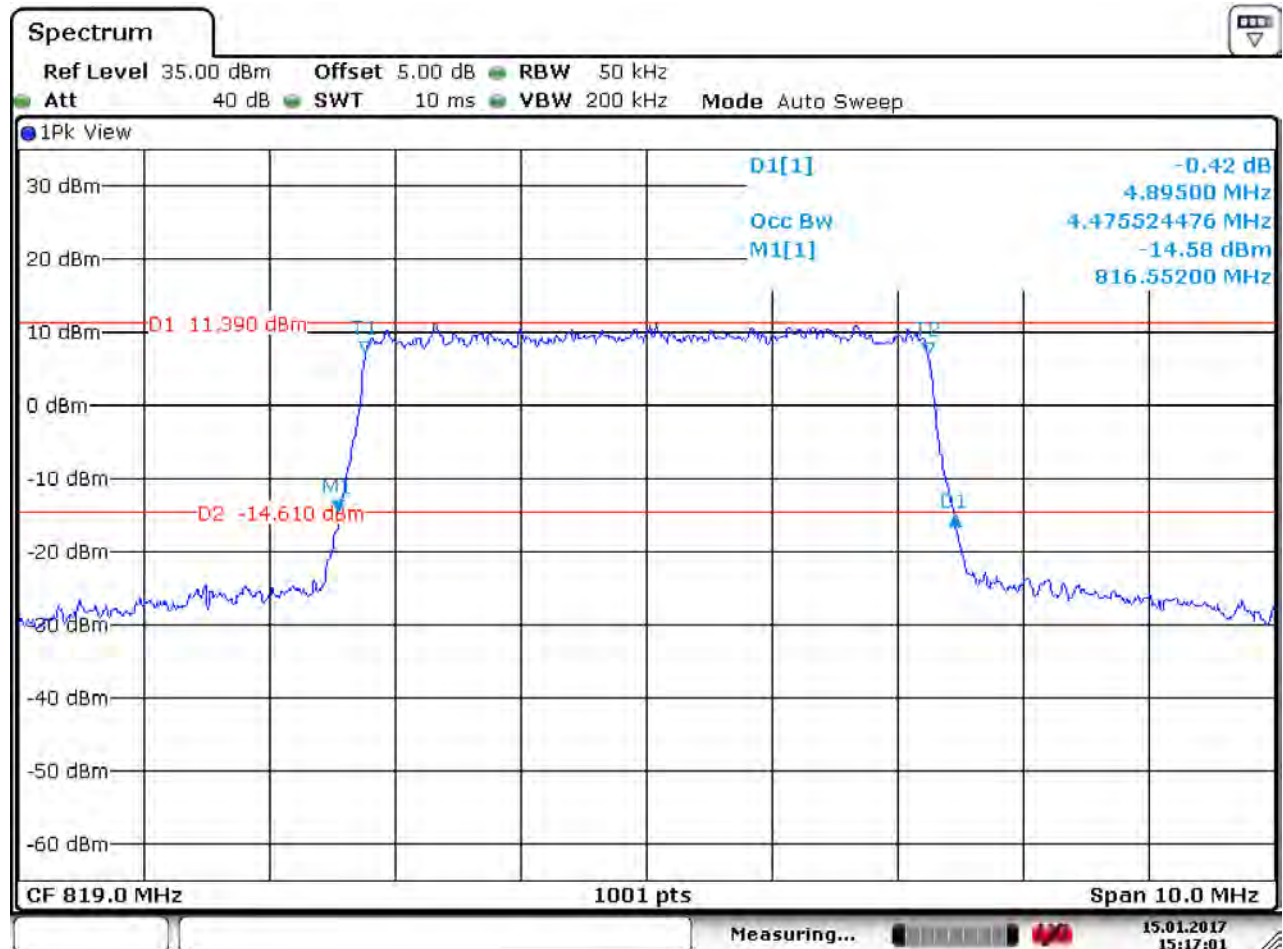
4.1.1.9.1 Test Channel = LCH



Date: 15.JAN.2017 15:18:25



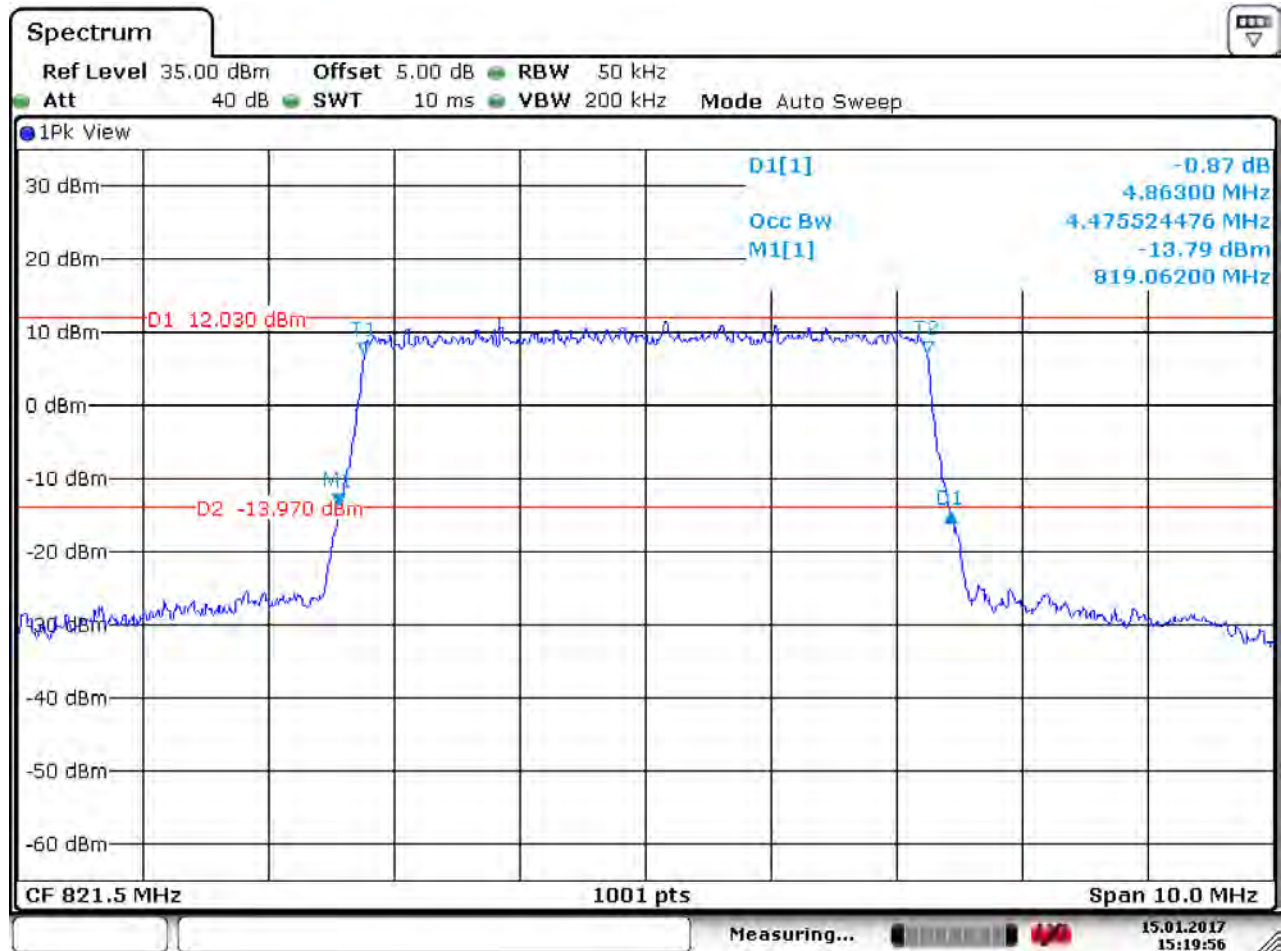
4.1.1.9.2 Test Channel = MCH



Date: 15.JAN.2017 15:17:01



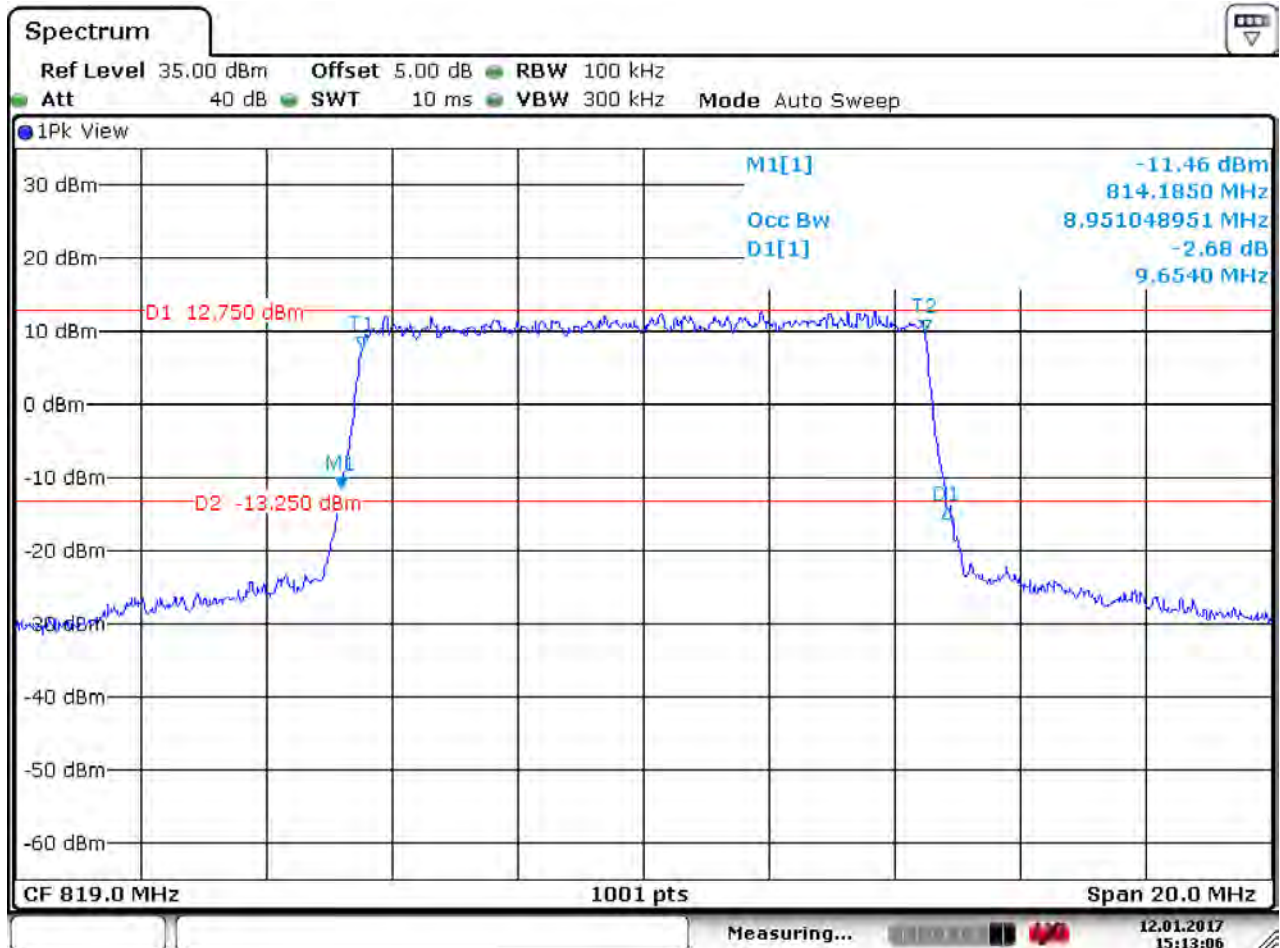
4.1.1.9.3 Test Channel = HCH



Date: 15.JAN.2017 15:19:57

4.1.1.10 Test Mode = LTE/TM1 10MHz

4.1.1.10.1 Test Channel = MCH



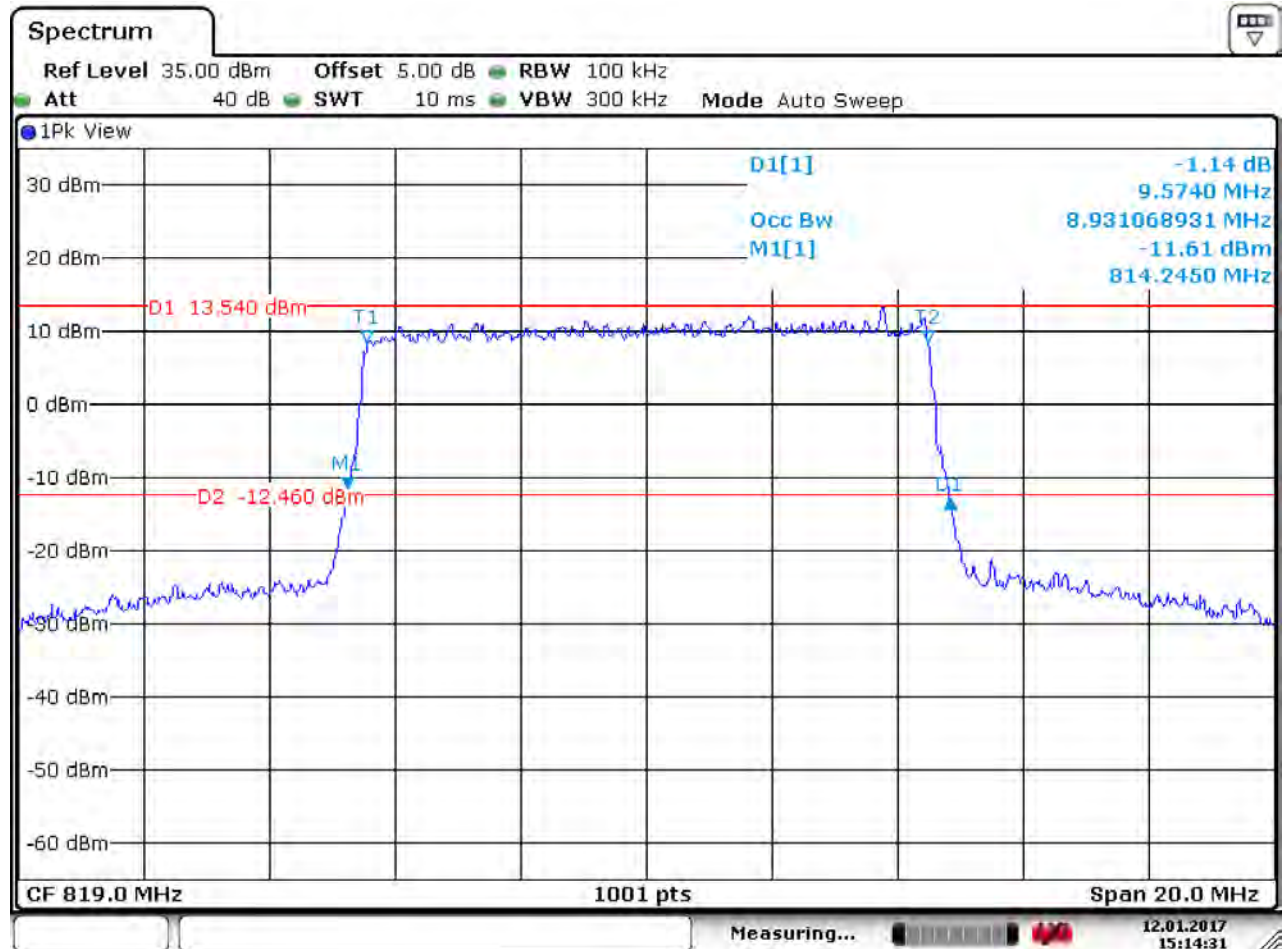
Date: 12.JAN.2017 15:13:07

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



4.1.1.11 Test Mode = LTE/TM2 10MHz

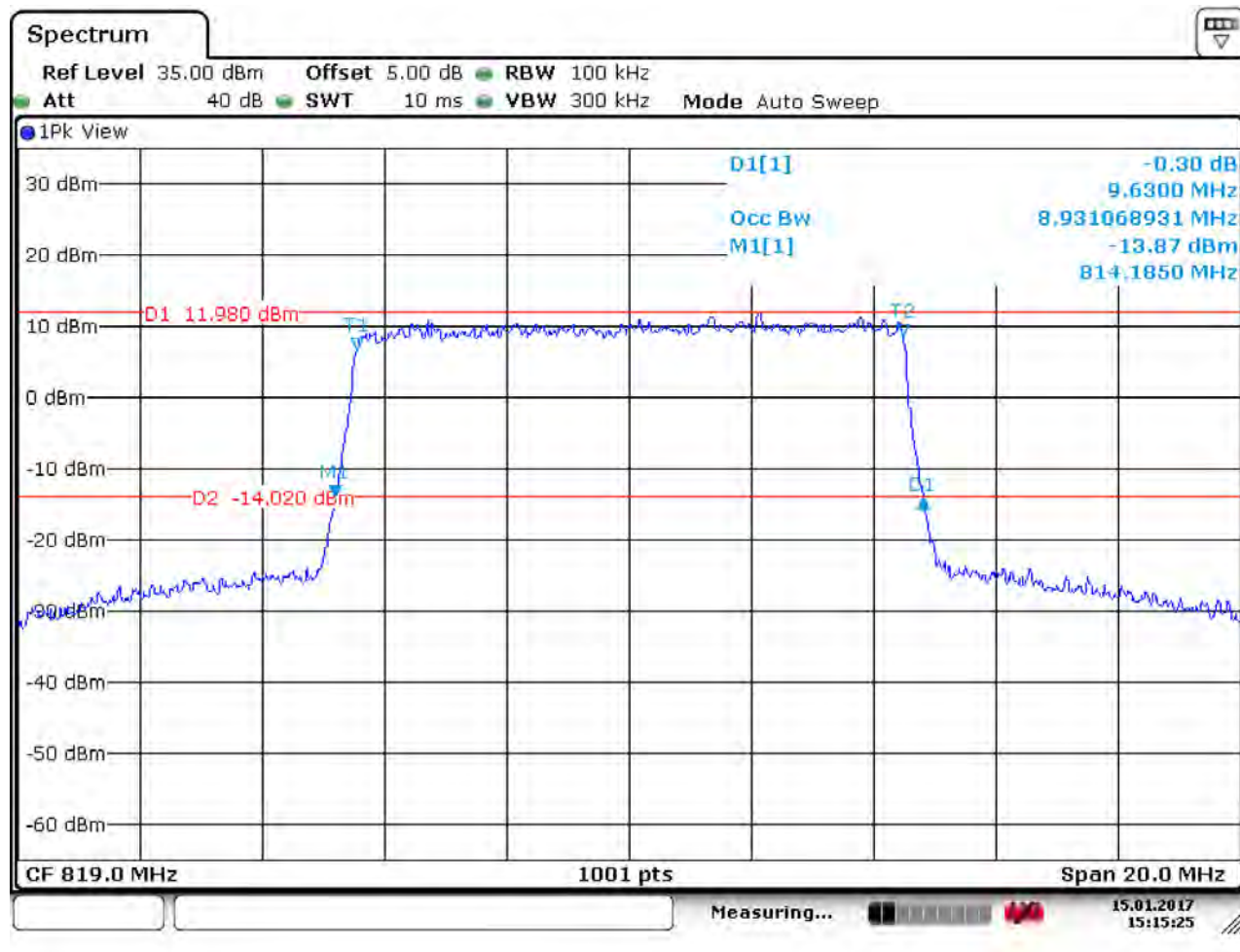
4.1.1.11.1 Test Channel = MCH



Date: 12.JAN.2017 15:14:32

4.1.1.12 Test Mode = LTE/TM3 10MHz

4.1.1.12.1 Test Channel = MCH



Date: 15 JAN 2017 15:15:26

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



5 Band Edges Compliance

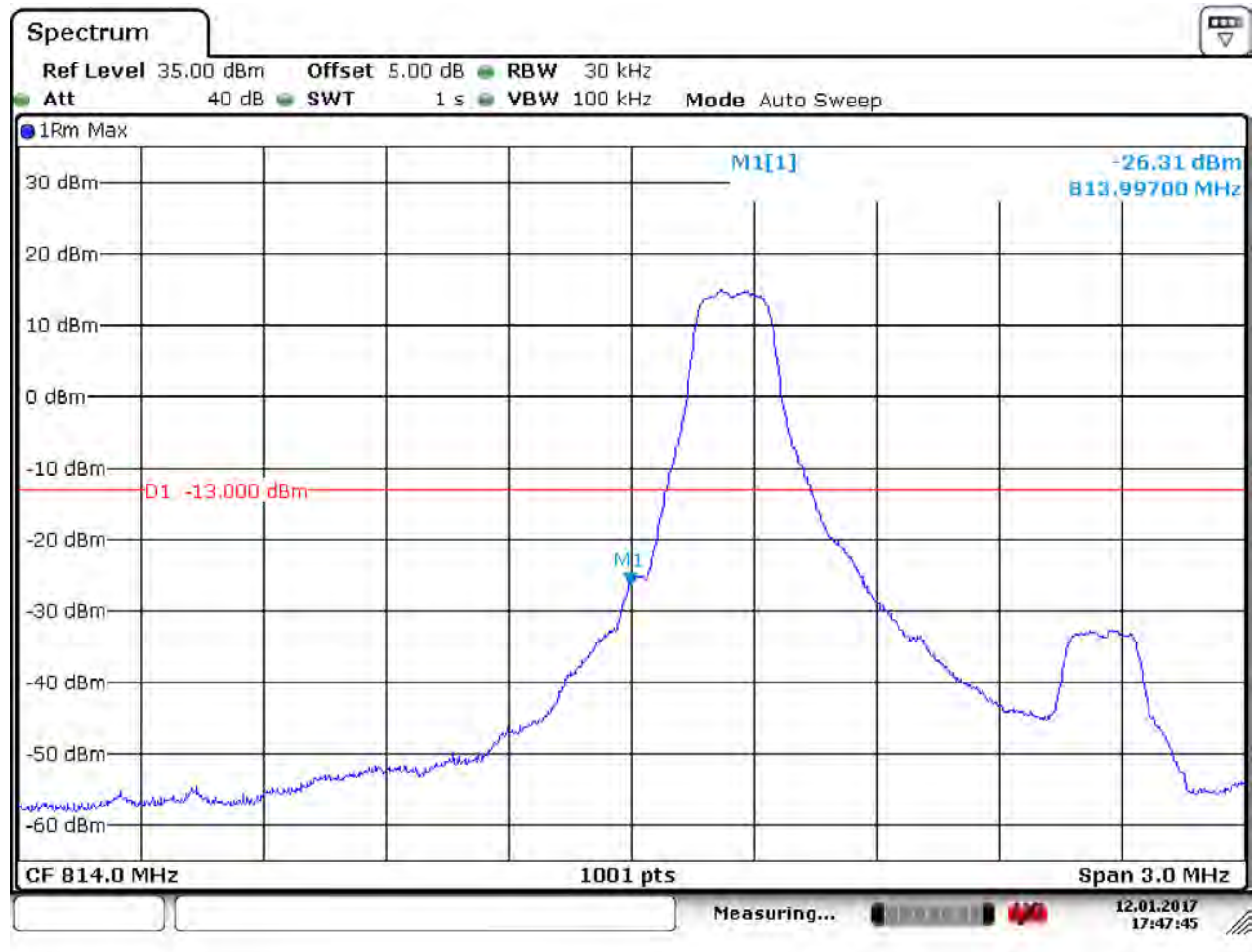
5.1 For LTE

5.1.1 Test Band = LTE band26(814-824)

5.1.1.1 Test Mode = LTE/TM1 1.4MHz

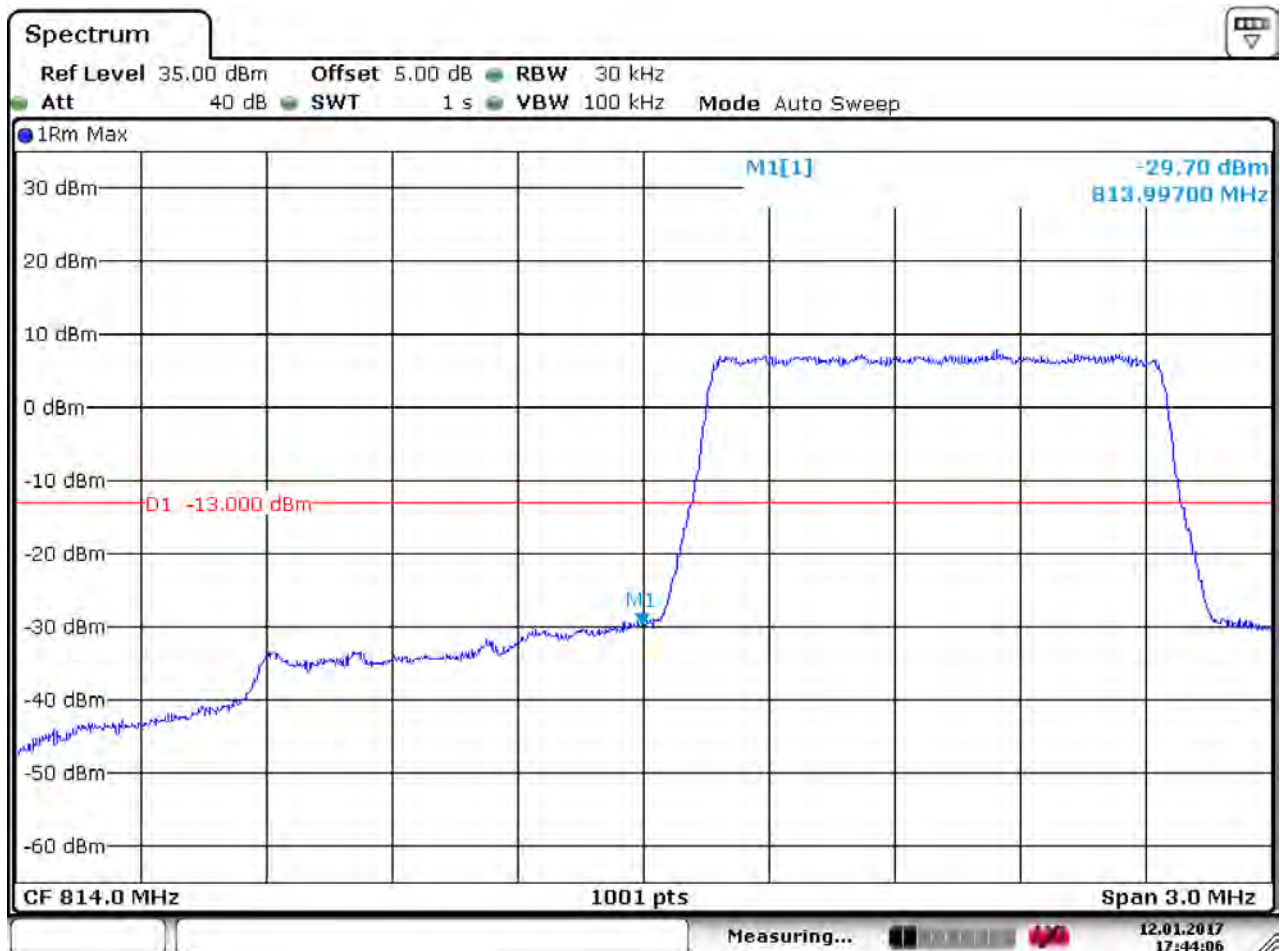
5.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1 Test RB=1RB



Date: 12.JAN.2017 17:47:45

5.1.1.1.1.2 Test RB=6RB



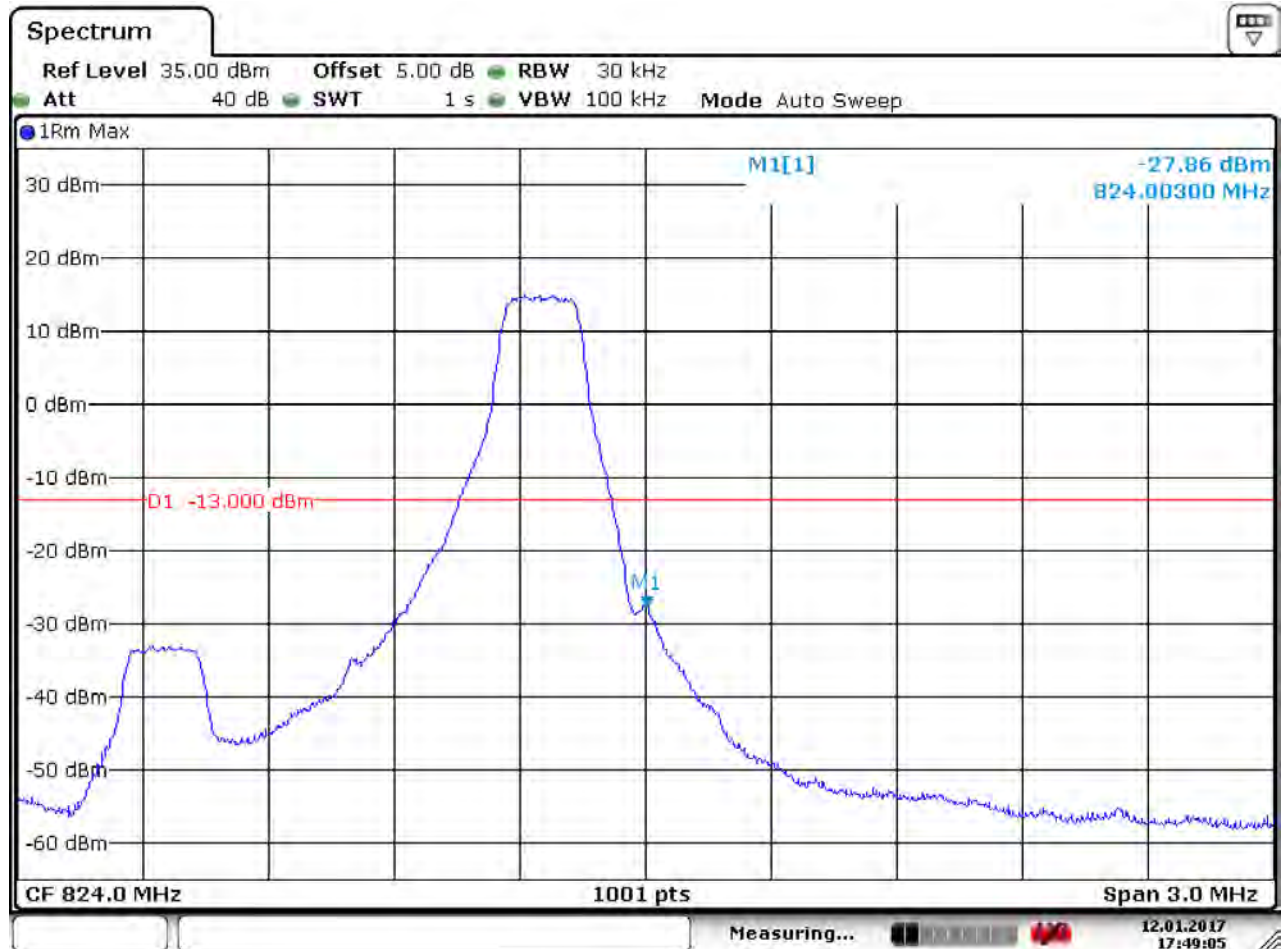
Date: 12.JAN.2017 17:44:06

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. 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 90 days only."



5.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 Test RB=1RB



Date: 12.JAN.2017 17:49:05



5.1.1.1.2.2 Test RB=6RB



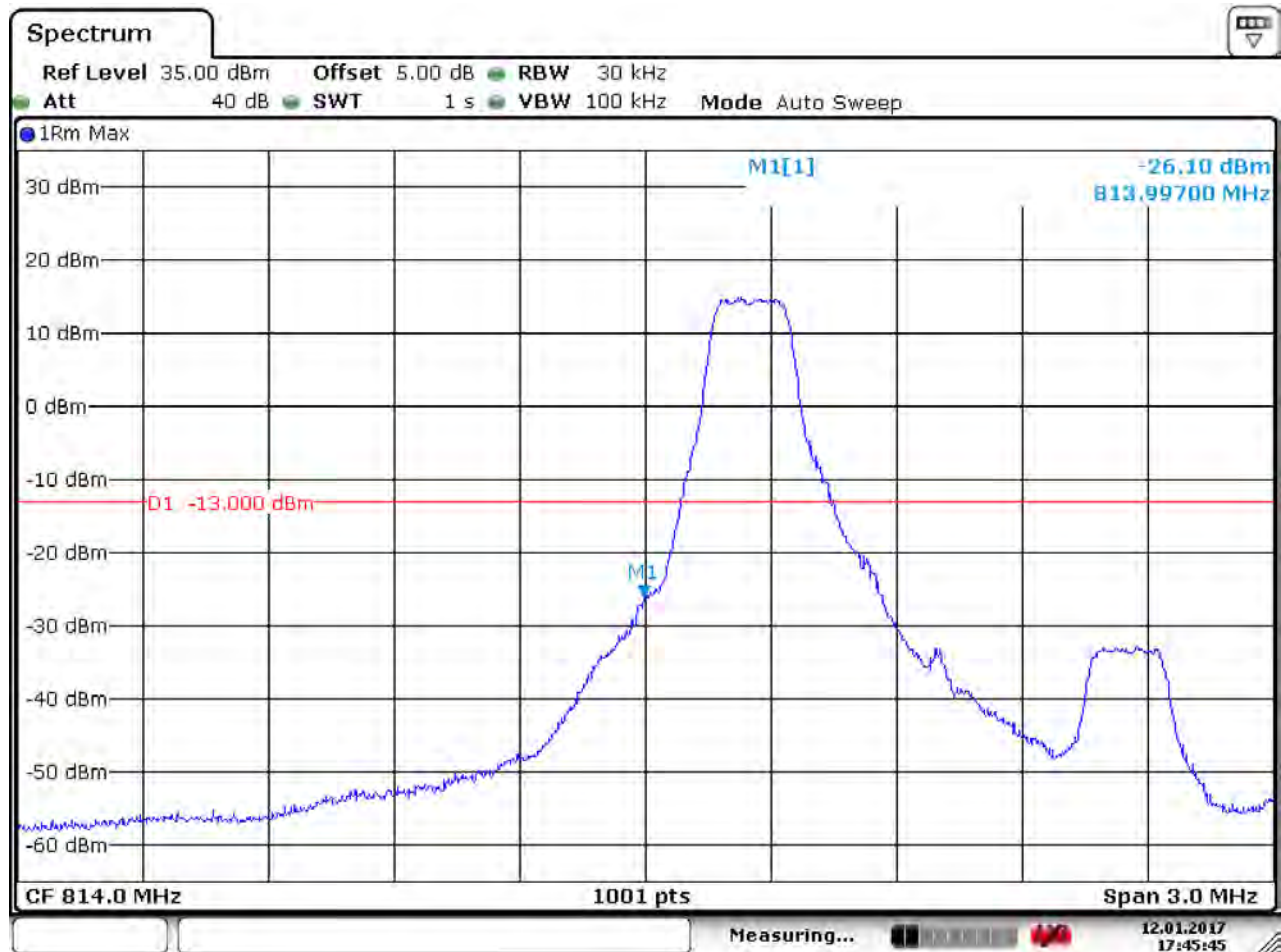
Date: 12.JAN.2017 17:51:11



5.1.1.2 Test Mode = LTE/TM2 1.4MHz

5.1.1.2.1 Test Channel = LCH

5.1.1.2.1.1 Test RB=1RB



Date: 12.JAN.2017 17:45:45



5.1.1.2.1.2 Test RB=6RB

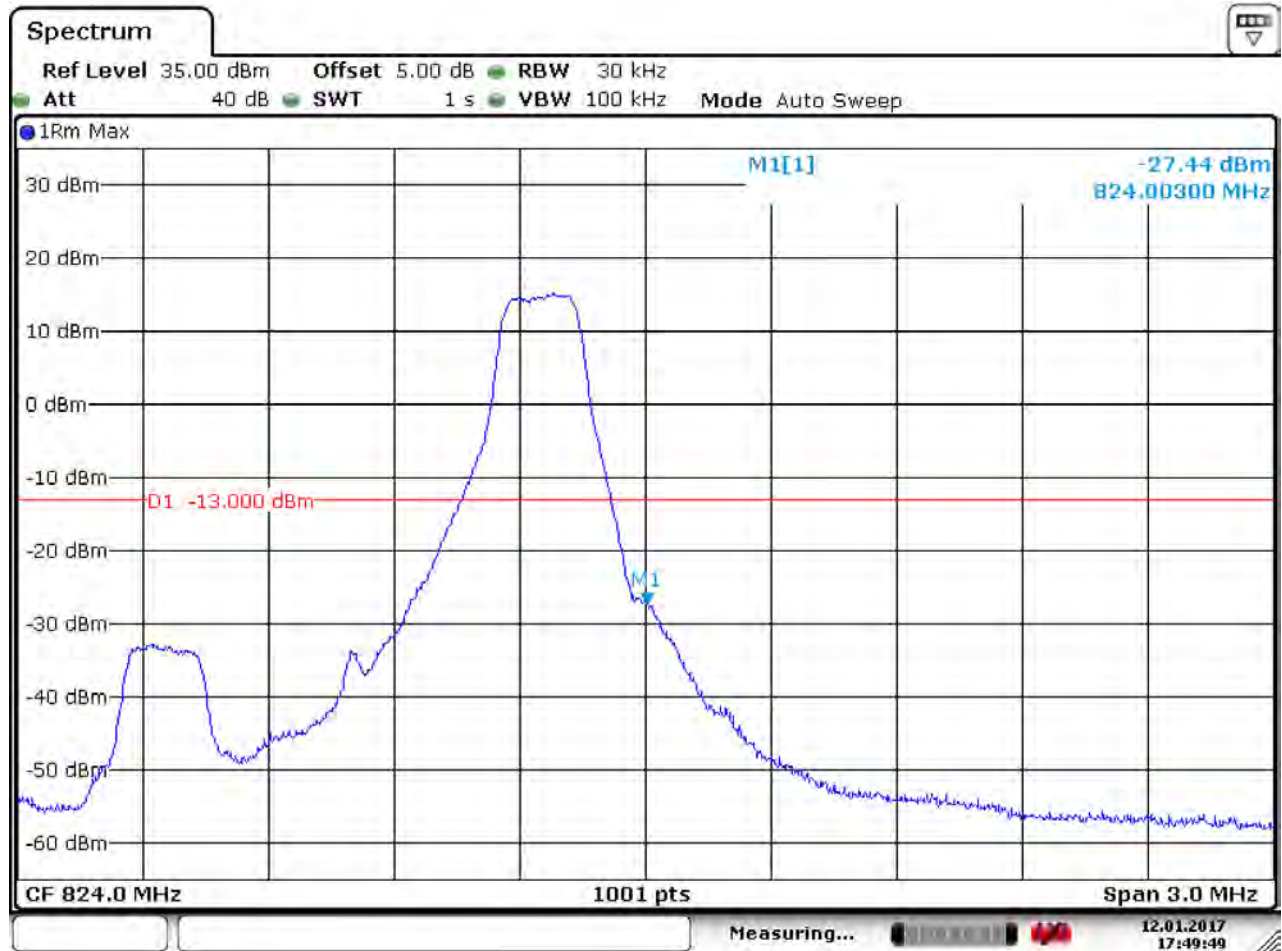


Date: 12.JAN.2017 17:44:58



5.1.1.2.2 Test Channel = HCH

5.1.1.2.2.1 Test RB=1RB



Date: 12.JAN.2017 17:49:50



5.1.1.2.2.2 Test RB=6RB



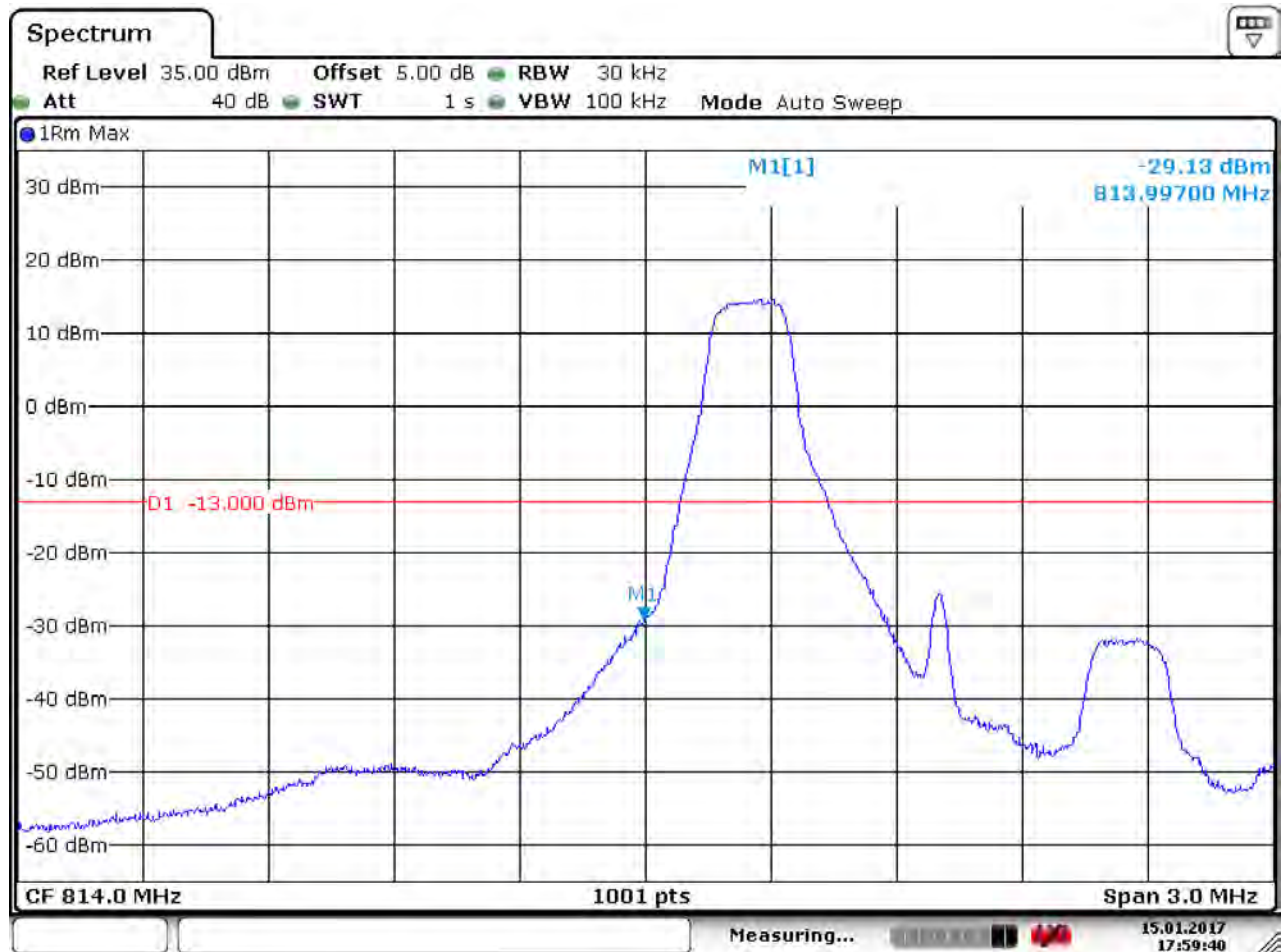
Date: 12.JAN.2017 17:50:33



5.1.1.3 Test Mode = LTE/TM3 1.4MHz

5.1.1.3.1 Test Channel = LCH

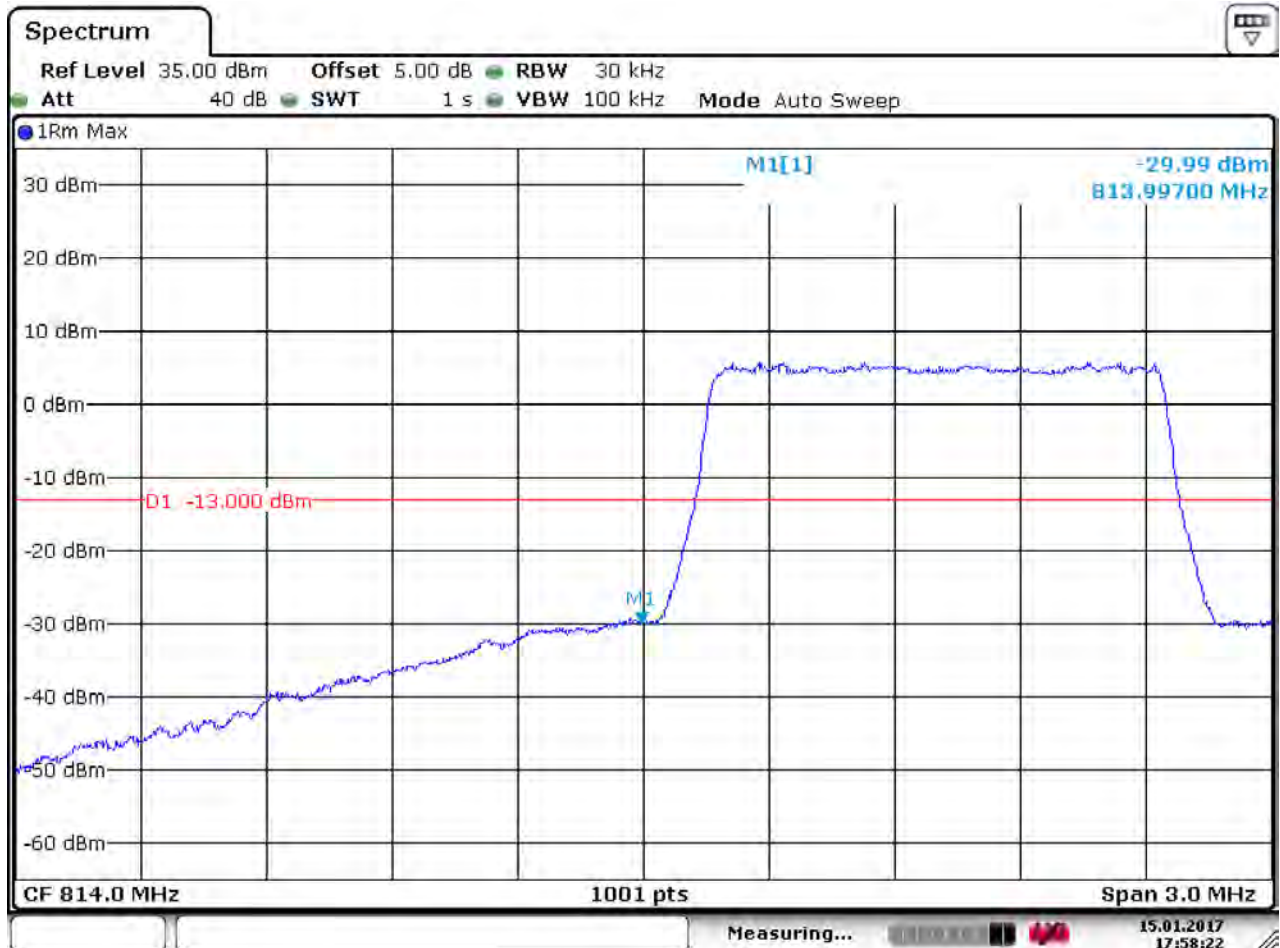
5.1.1.3.1.1 Test RB=1RB



Date: 15.JAN.2017 17:59:41



5.1.1.3.1.2 Test RB=6RB

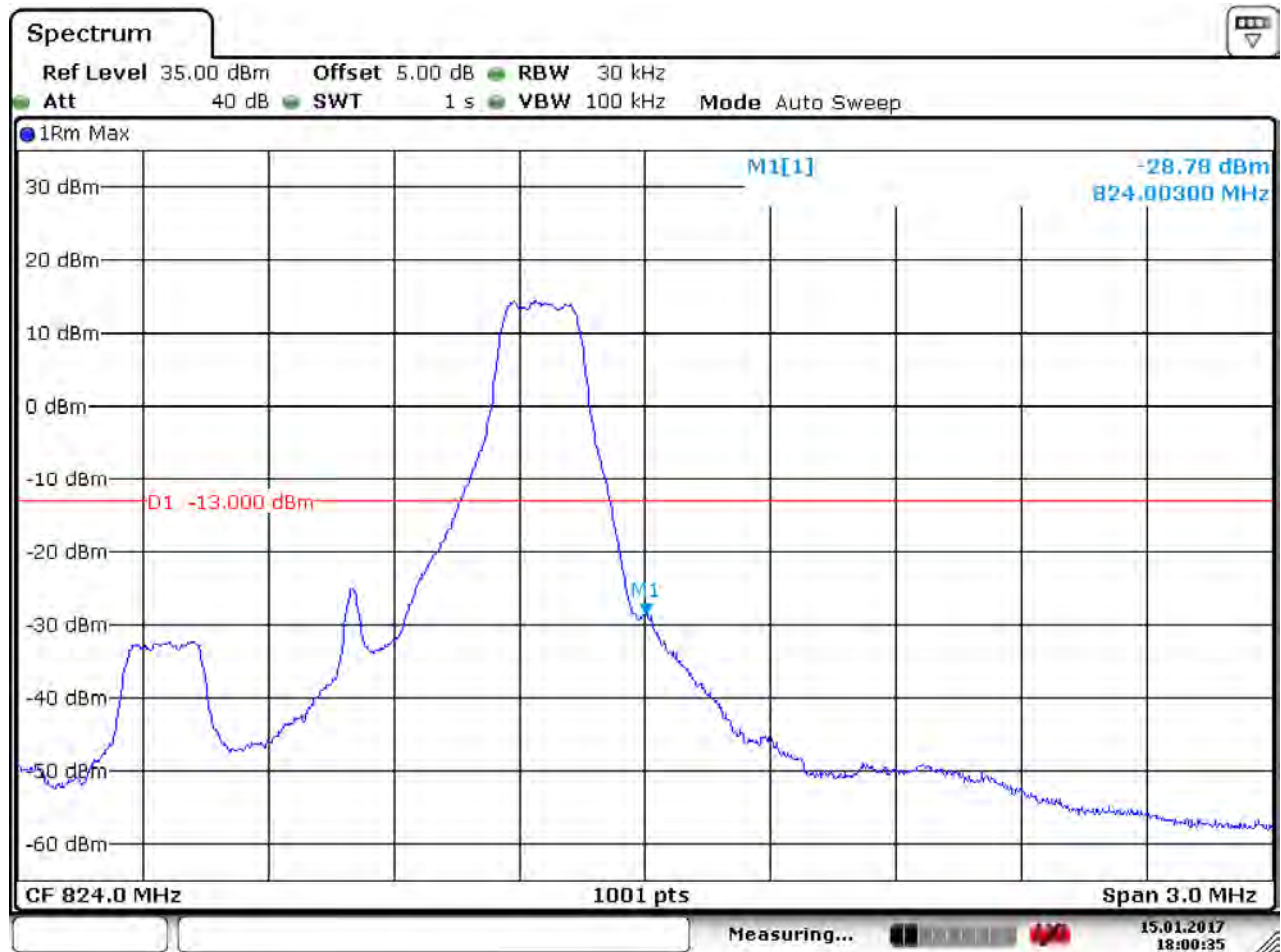


Date: 15.JAN.2017 17:58:22



5.1.1.3.2 Test Channel = HCH

5.1.1.3.2.1 Test RB=1RB



Date: 15 JAN 2017 18:00:36



5.1.1.3.2.2 Test RB=6RB



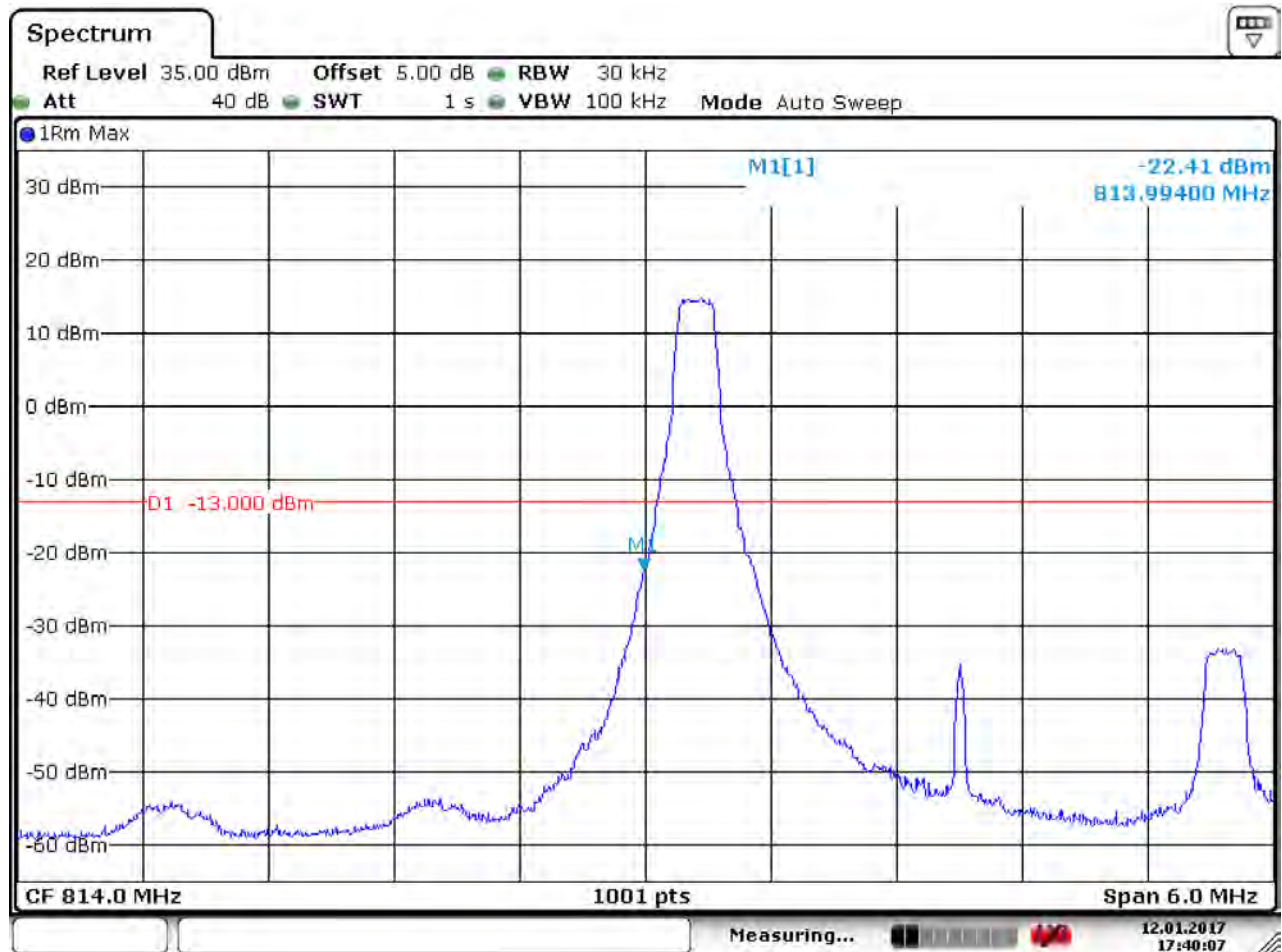
Date: 15.JAN.2017 18:01:13



5.1.1.4 Test Mode = LTE/TM1 3MHz

5.1.1.4.1 Test Channel = LCH

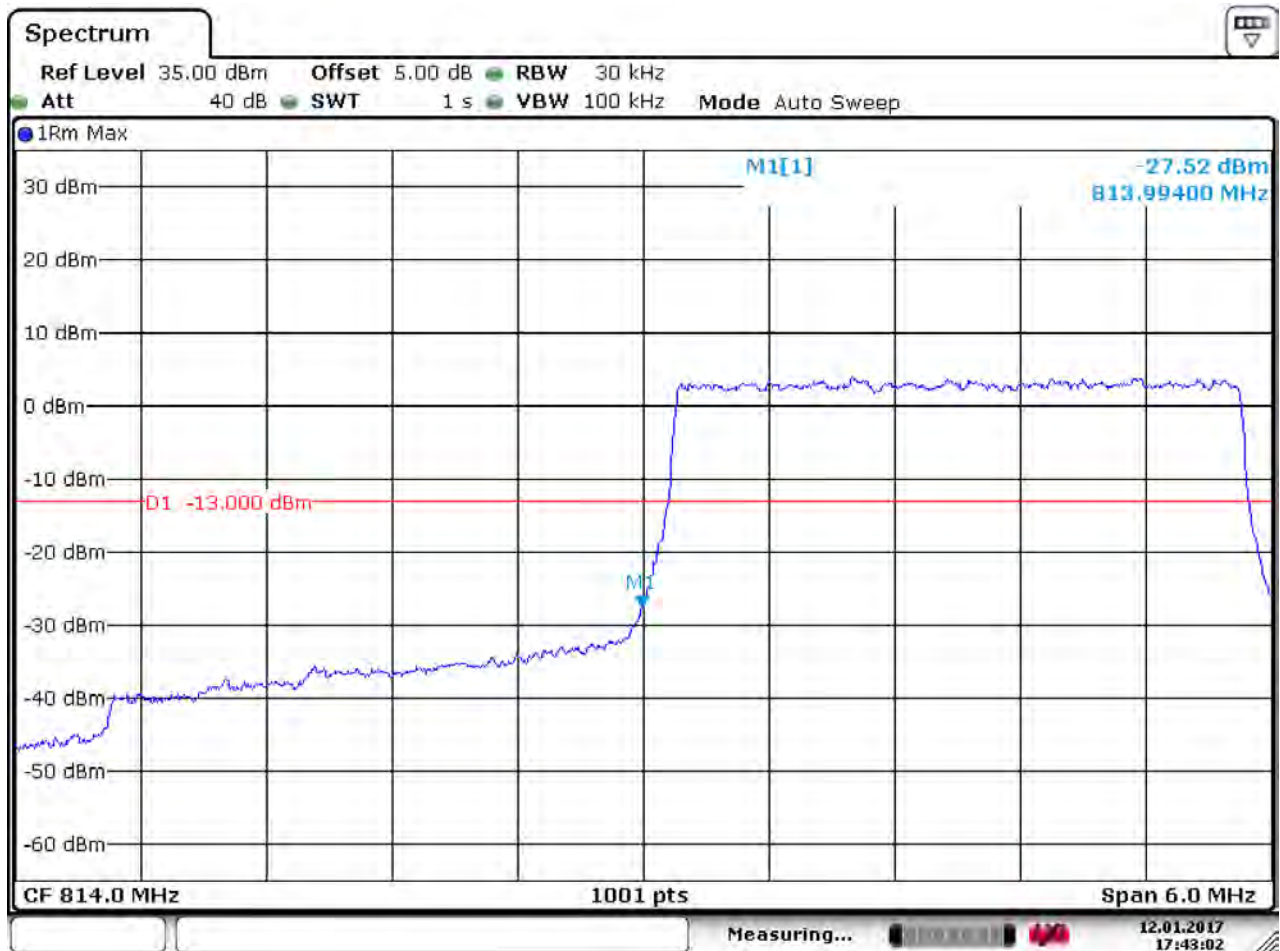
5.1.1.4.1.1 Test RB=1RB



Date: 12.JAN.2017 17:40:07



5.1.1.4.1.2 Test RB=15RB

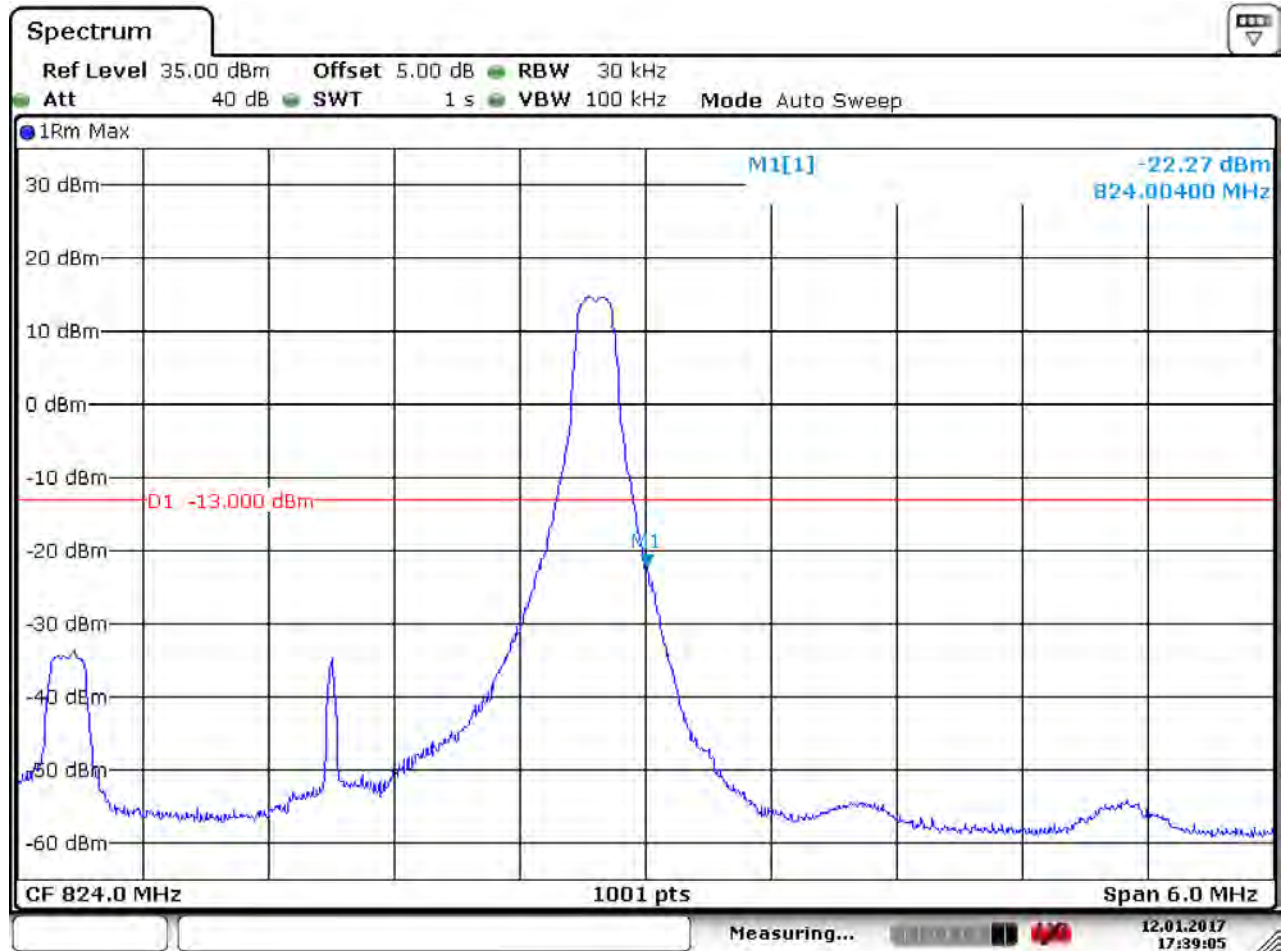


Date: 12.JAN.2017 17:43:02



5.1.1.4.2 Test Channel = HCH

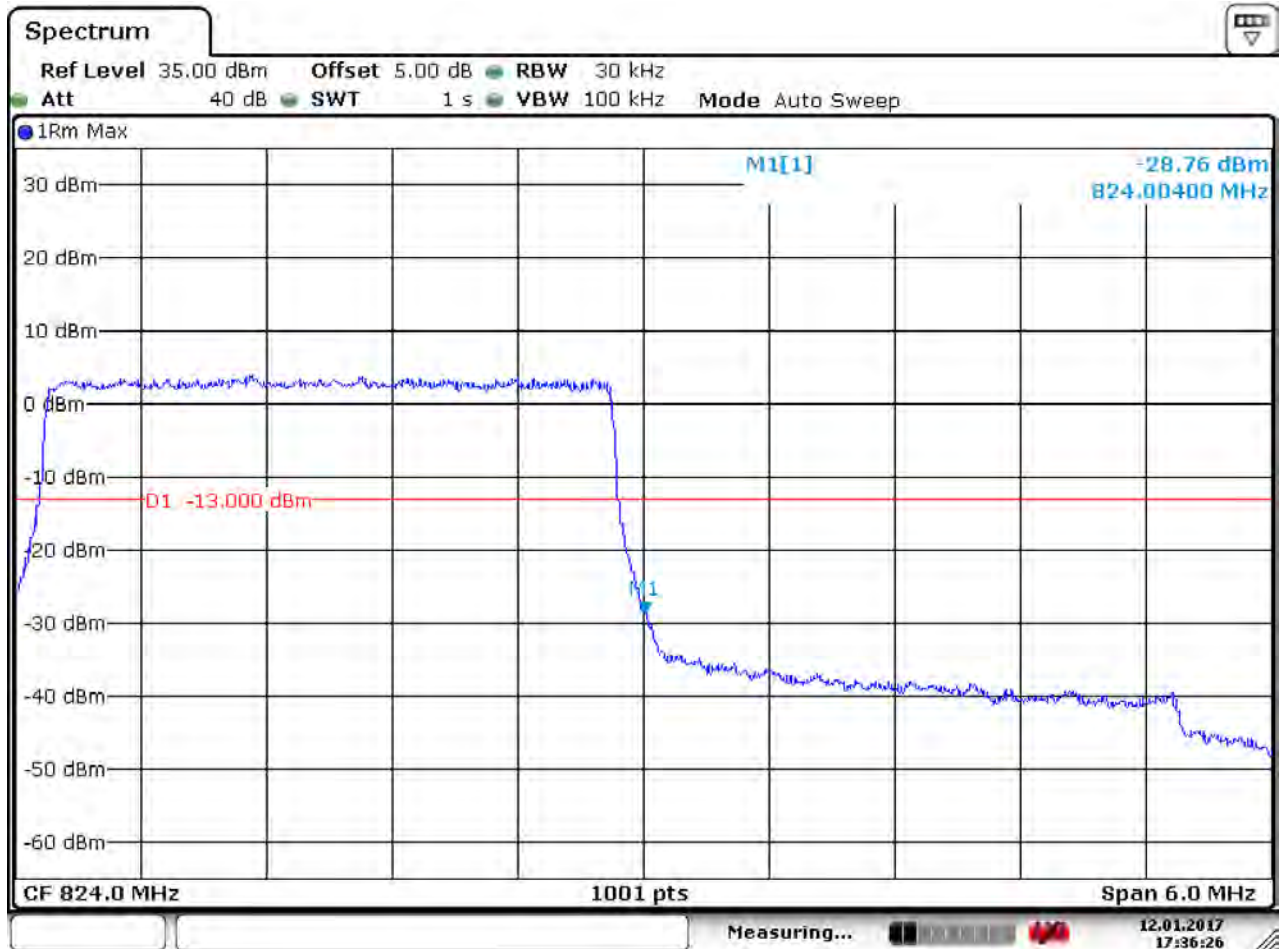
5.1.1.4.2.1 Test RB=1RB



Date: 12.JAN.2017 17:39:06



5.1.1.4.2.2 Test RB=15RB



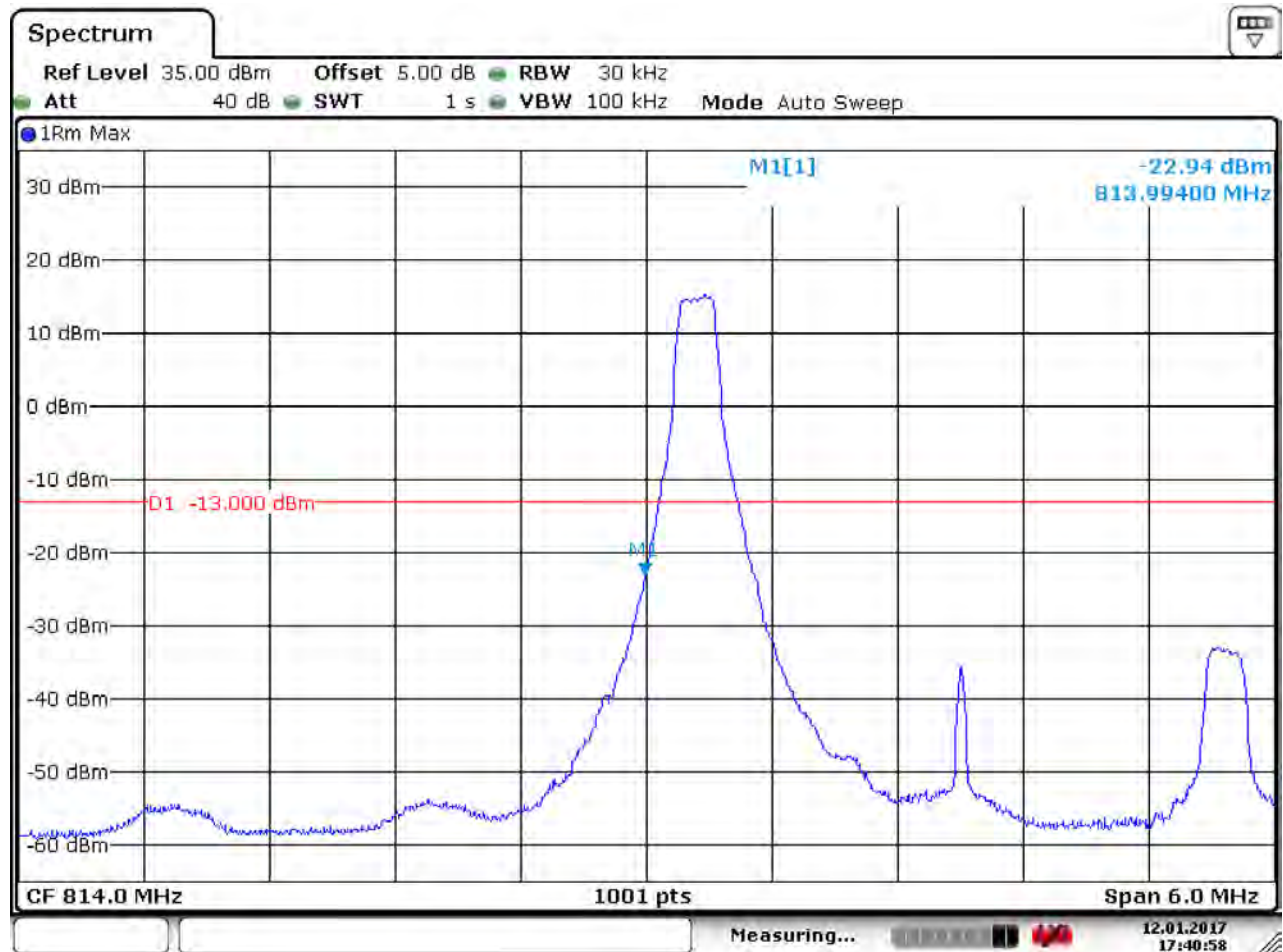
Date: 12.JAN.2017 17:36:26



5.1.1.5 Test Mode = LTE/TM2 3MHz

5.1.1.5.1 Test Channel = LCH

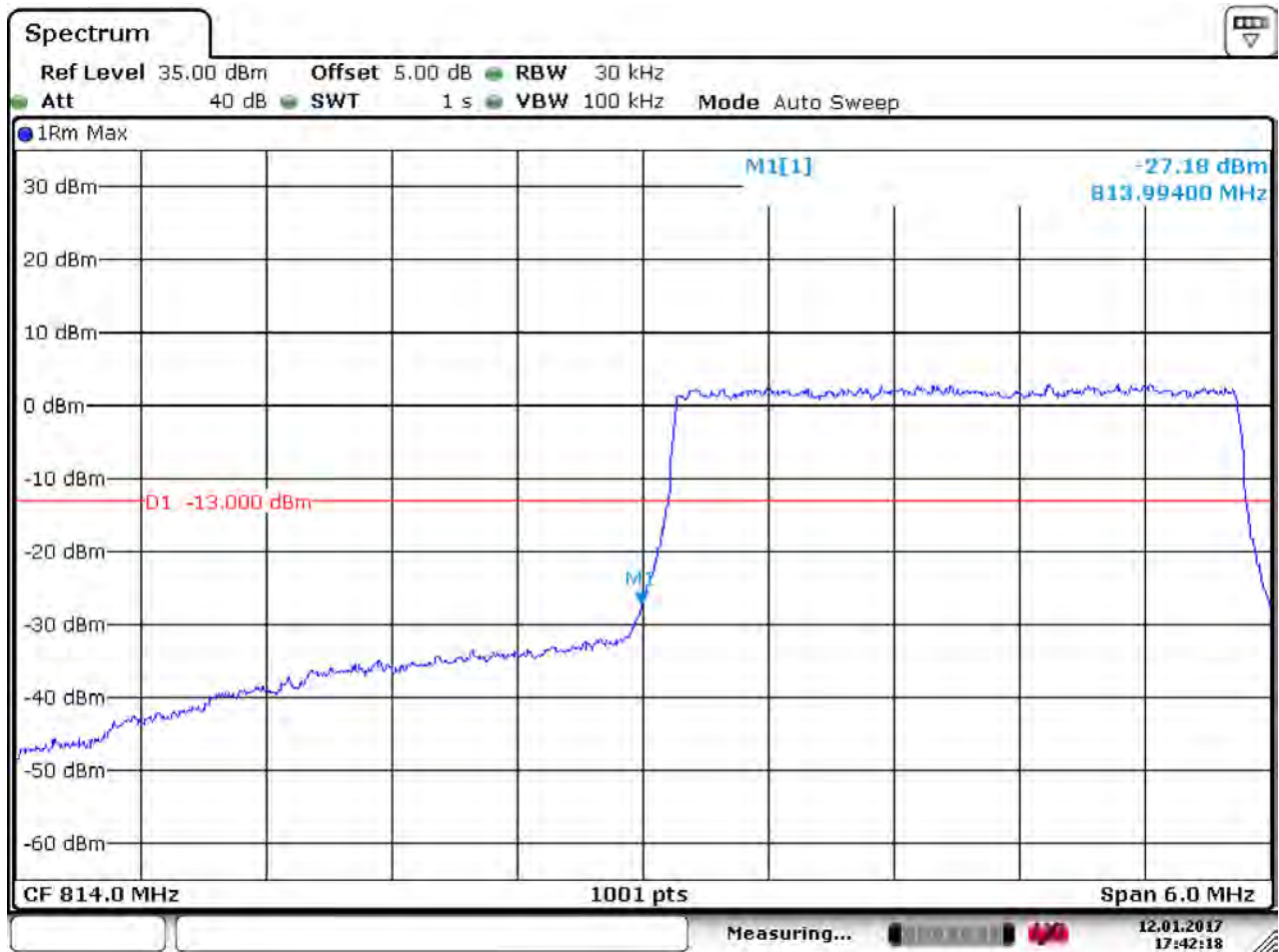
5.1.1.5.1.1 Test RB=1RB



Date: 12.JAN.2017 17:40:58



5.1.1.5.1.2 Test RB=15RB

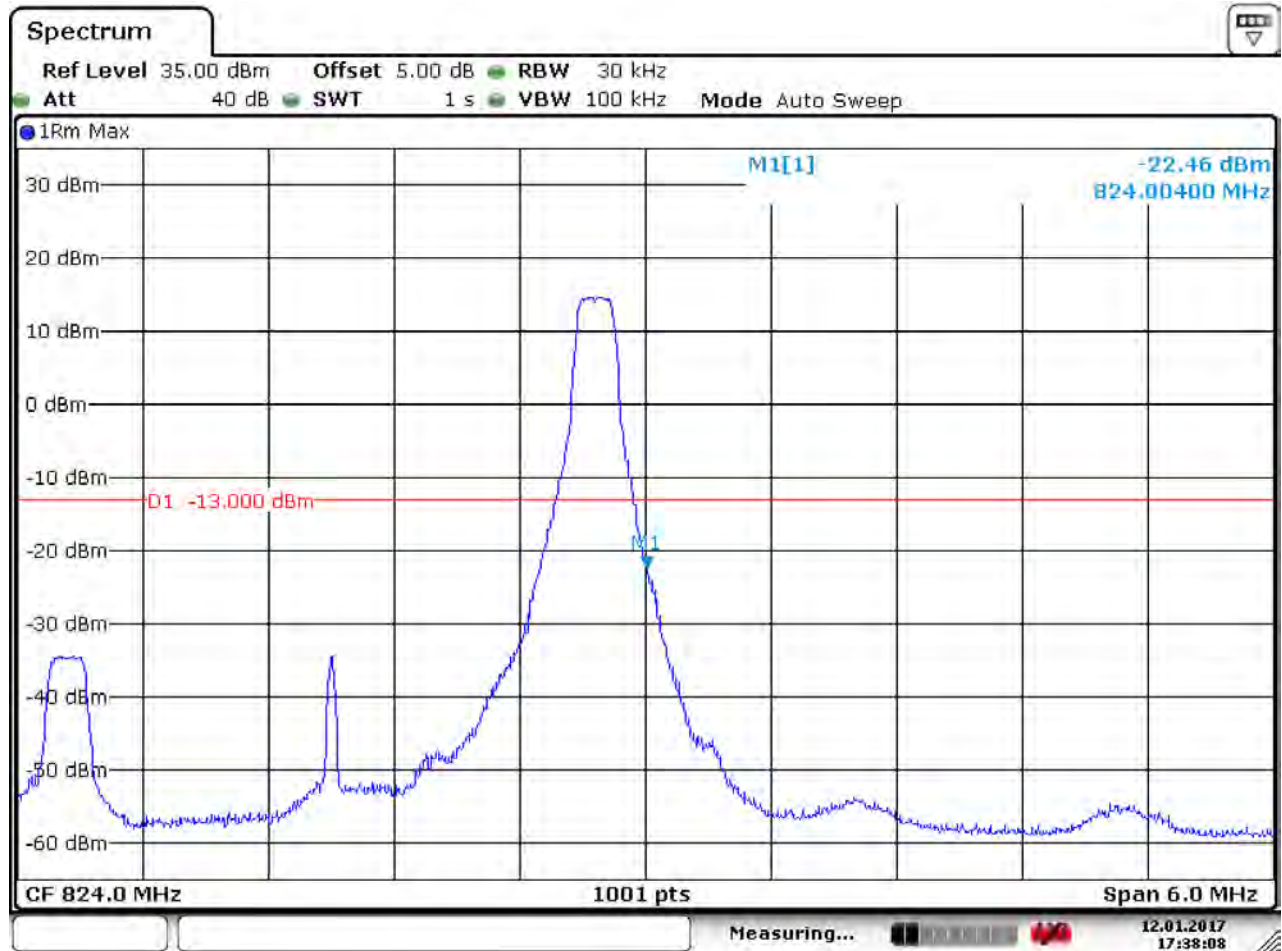


Date: 12.JAN.2017 17:42:19



5.1.1.5.2 Test Channel = HCH

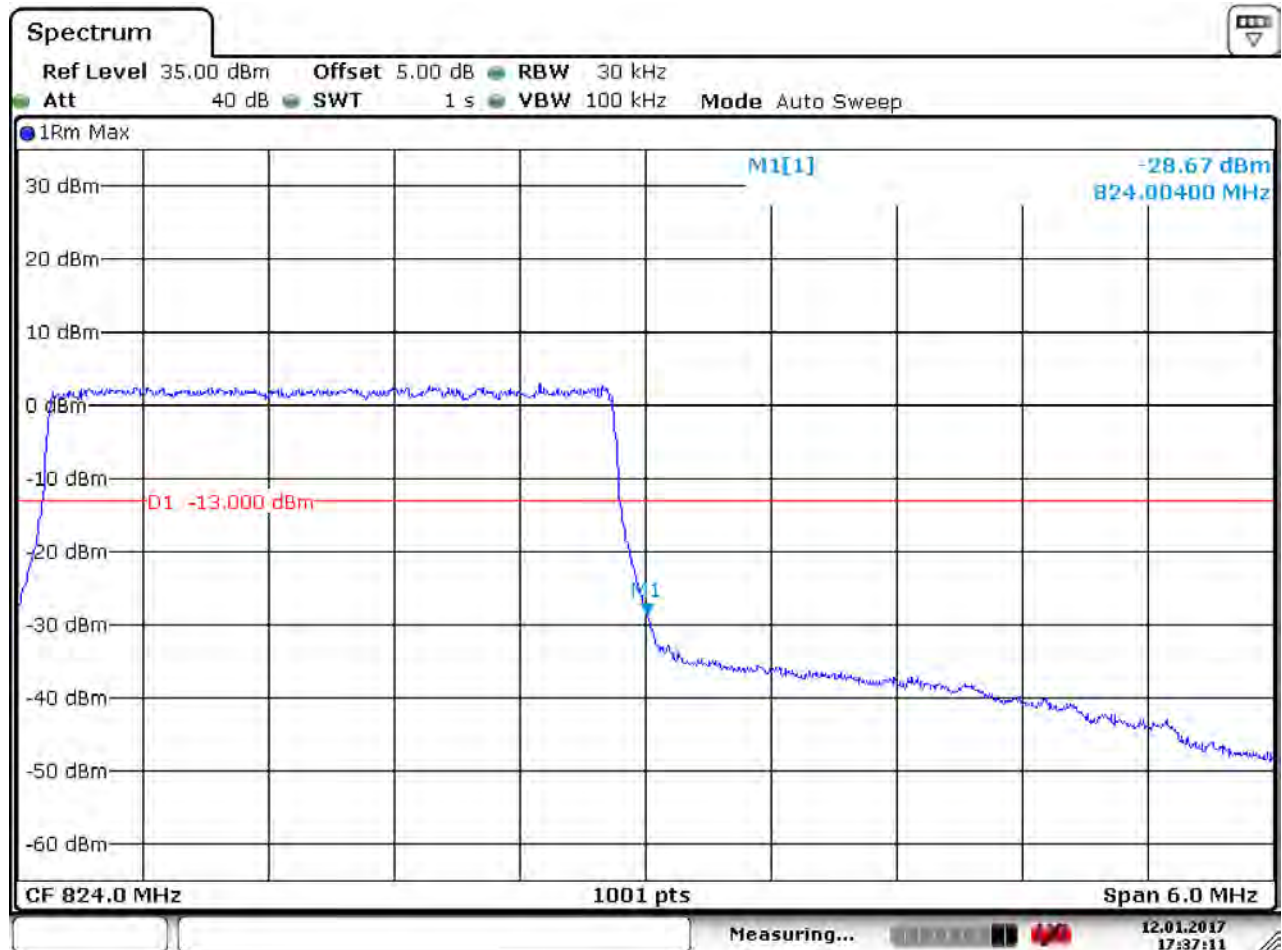
5.1.1.5.2.1 Test RB=1RB



Date: 12.JAN.2017 17:38:08



5.1.1.5.3 Test RB=15RB



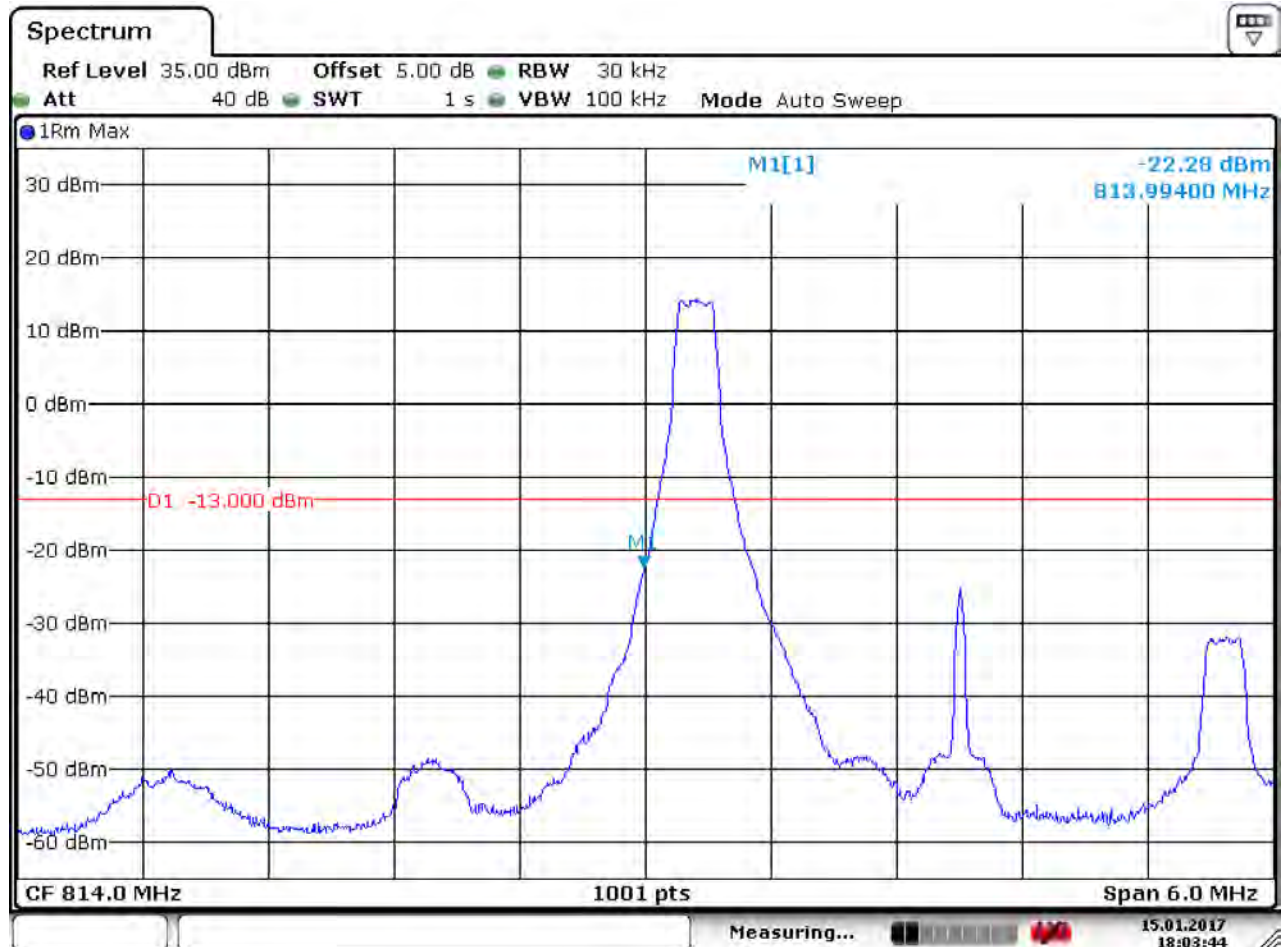
Date: 12.JAN.2017 17:37:11



5.1.1.6 Test Mode = LTE/TM3 3MHz

5.1.1.6.1 Test Channel = LCH

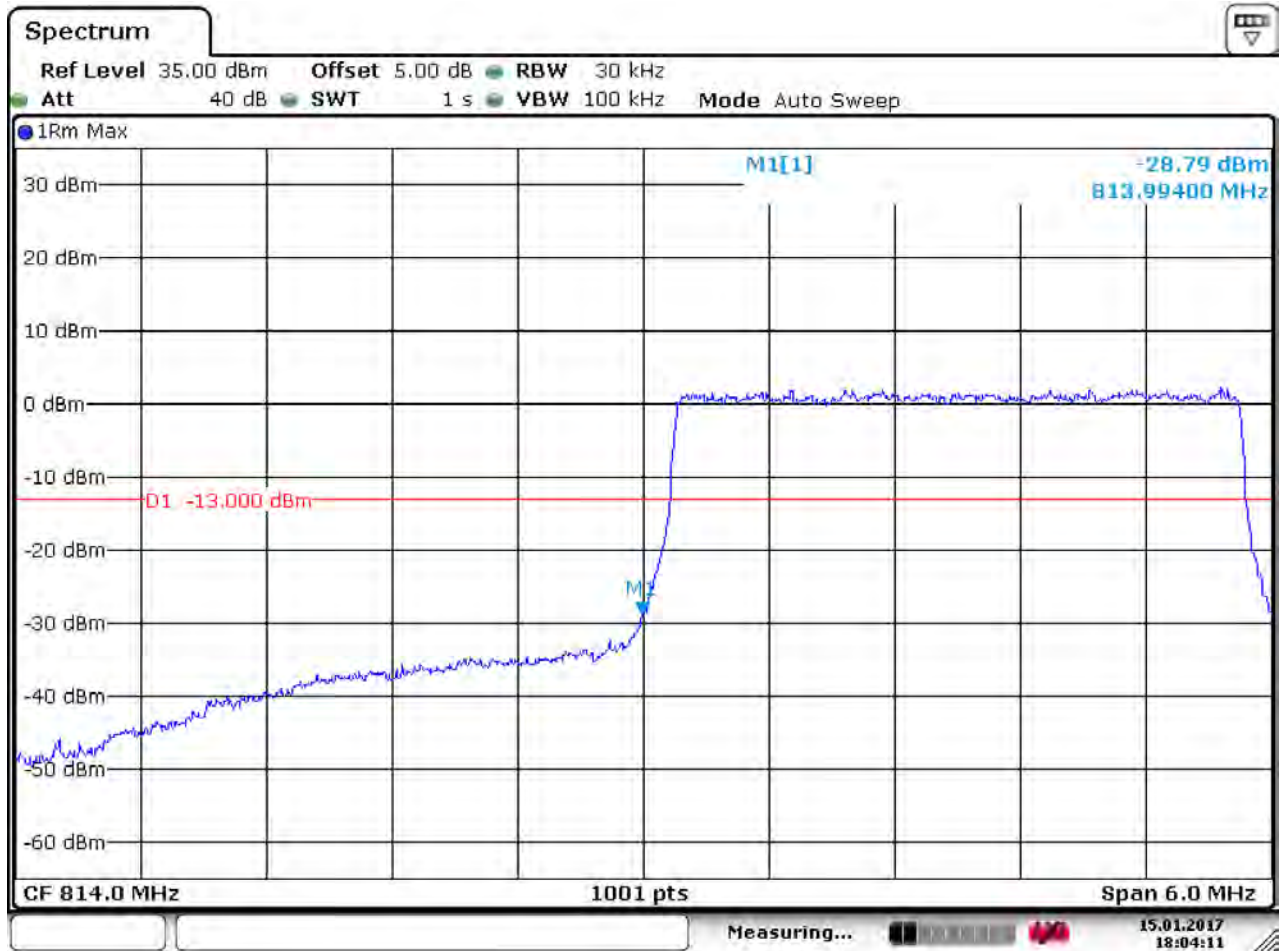
5.1.1.6.2 Test RB=1RB



Date: 15.JAN.2017 18:03:45



5.1.1.6.2.1 Test RB=15RB

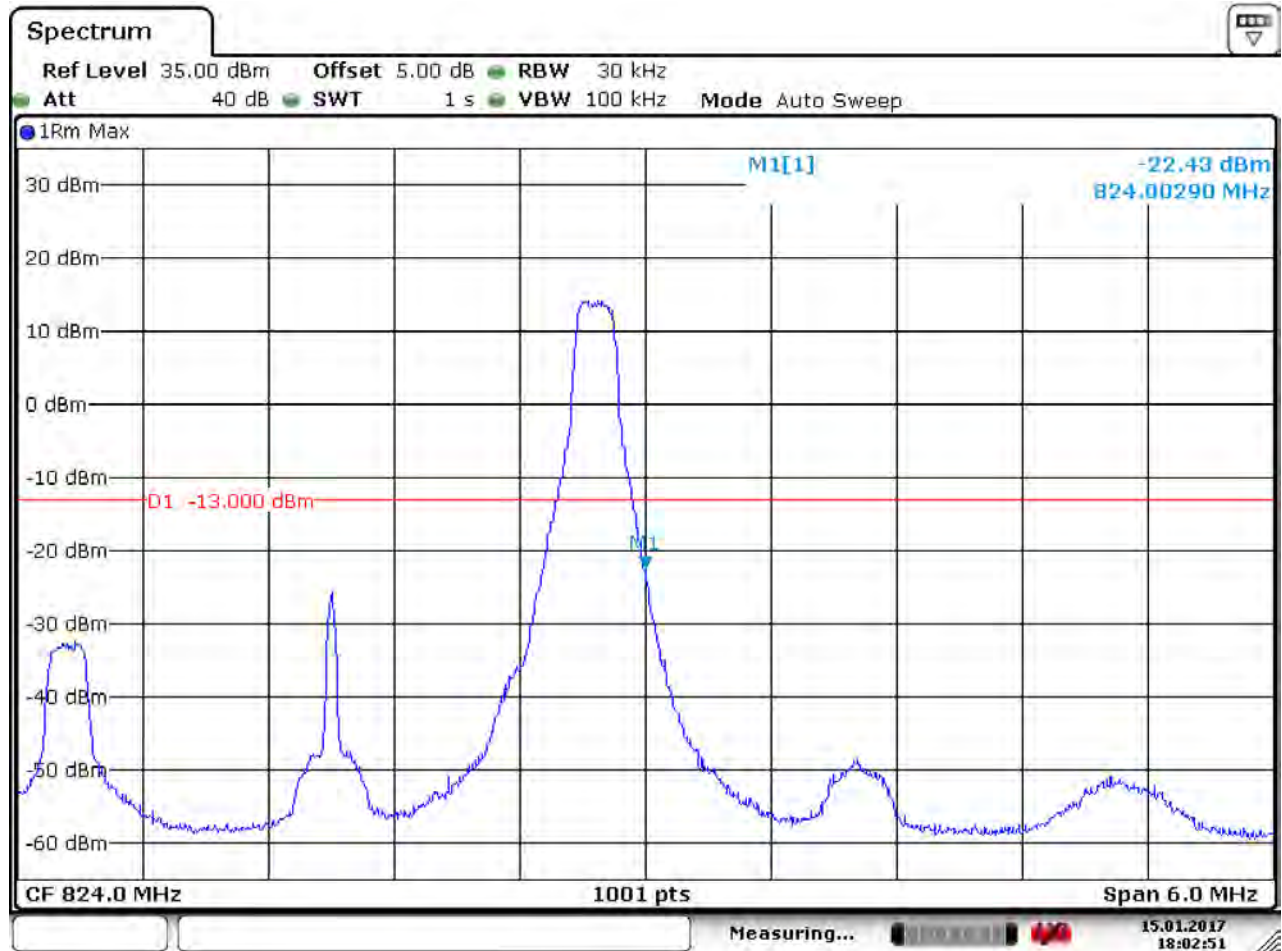


Date: 15.JAN.2017 18:04:11



5.1.1.6.3 Test Channel = HCH

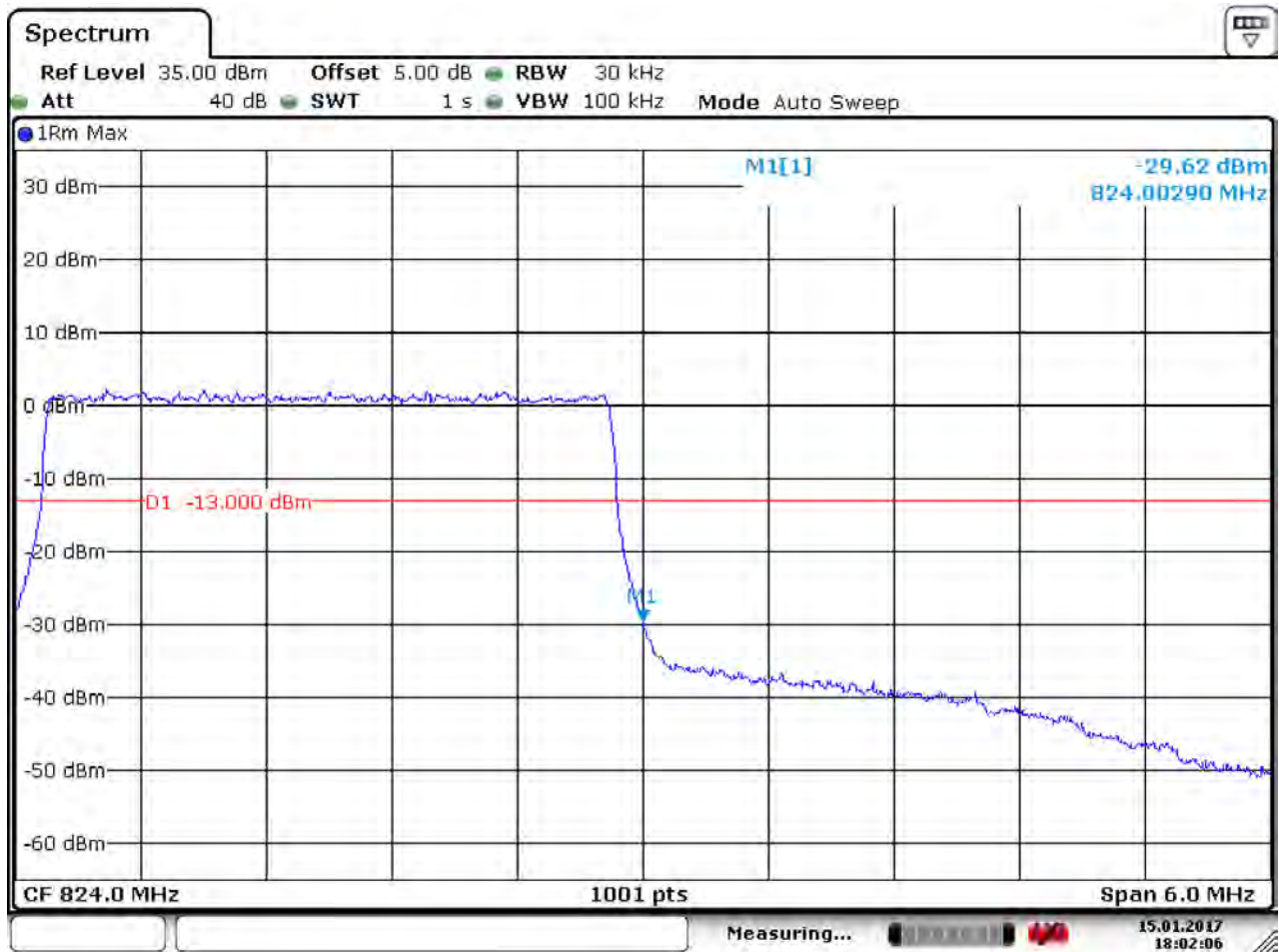
5.1.1.6.3.1 Test RB=1RB



Date: 15.JAN.2017 18:02:51



5.1.1.6.3.2 Test RB=15RB



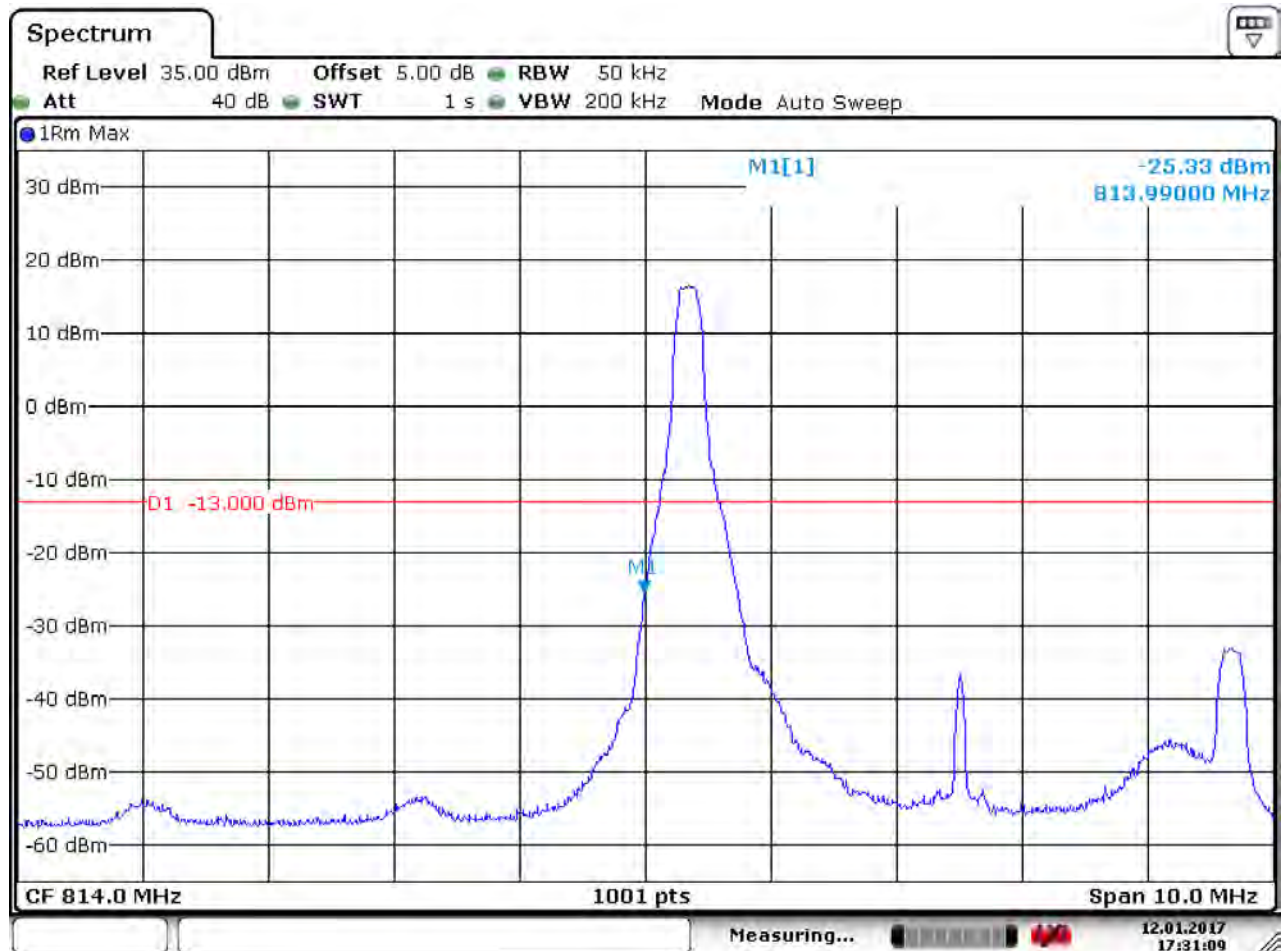
Date: 15.JAN.2017 18:02:07



5.1.1.7 Test Mode = LTE/TM1 5MHz

5.1.1.7.1 Test Channel = LCH

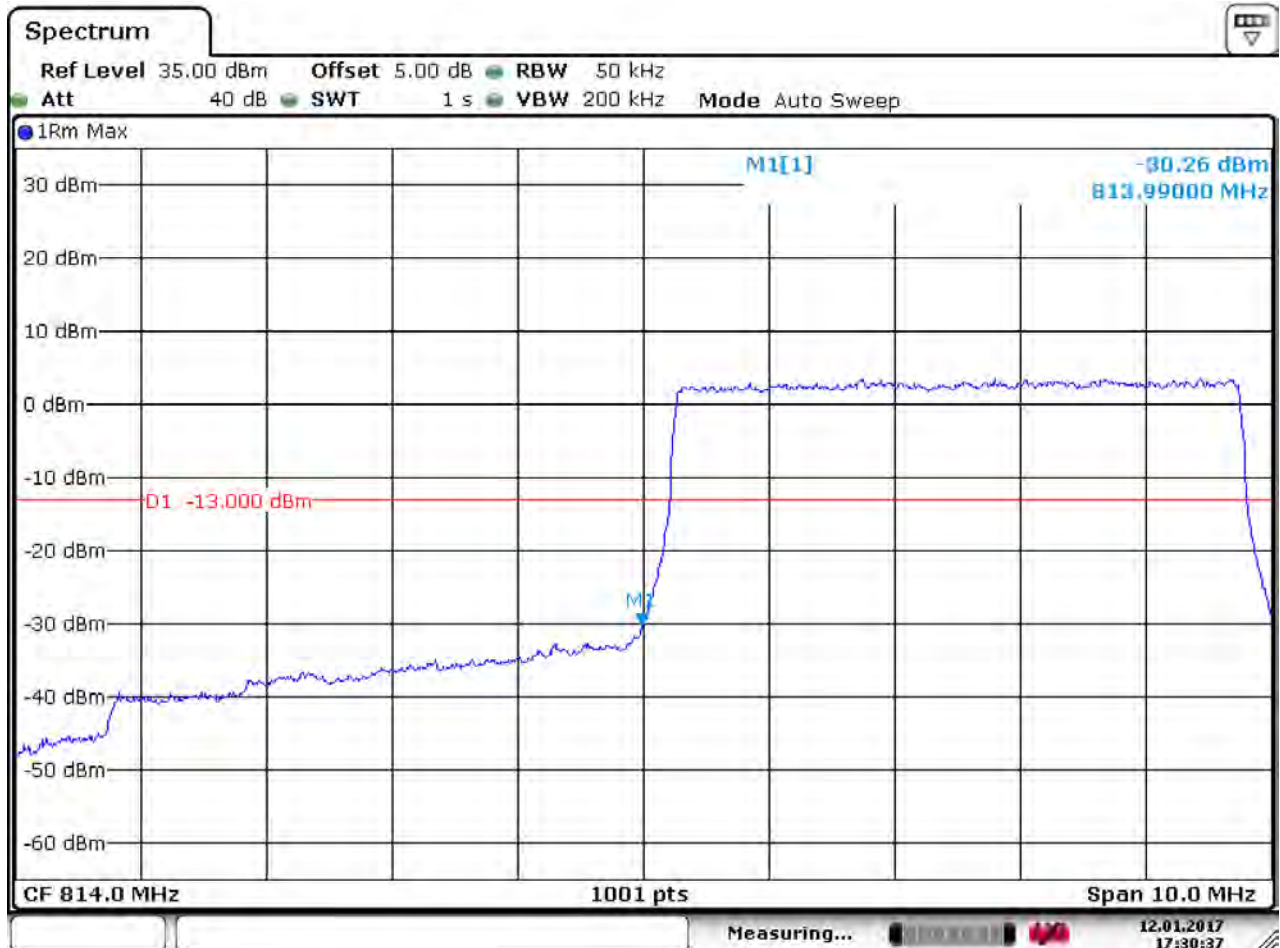
5.1.1.7.1.1 Test RB=1RB



Date: 12.JAN.2017 17:31:09



5.1.1.7.1.2 Test RB=25RB

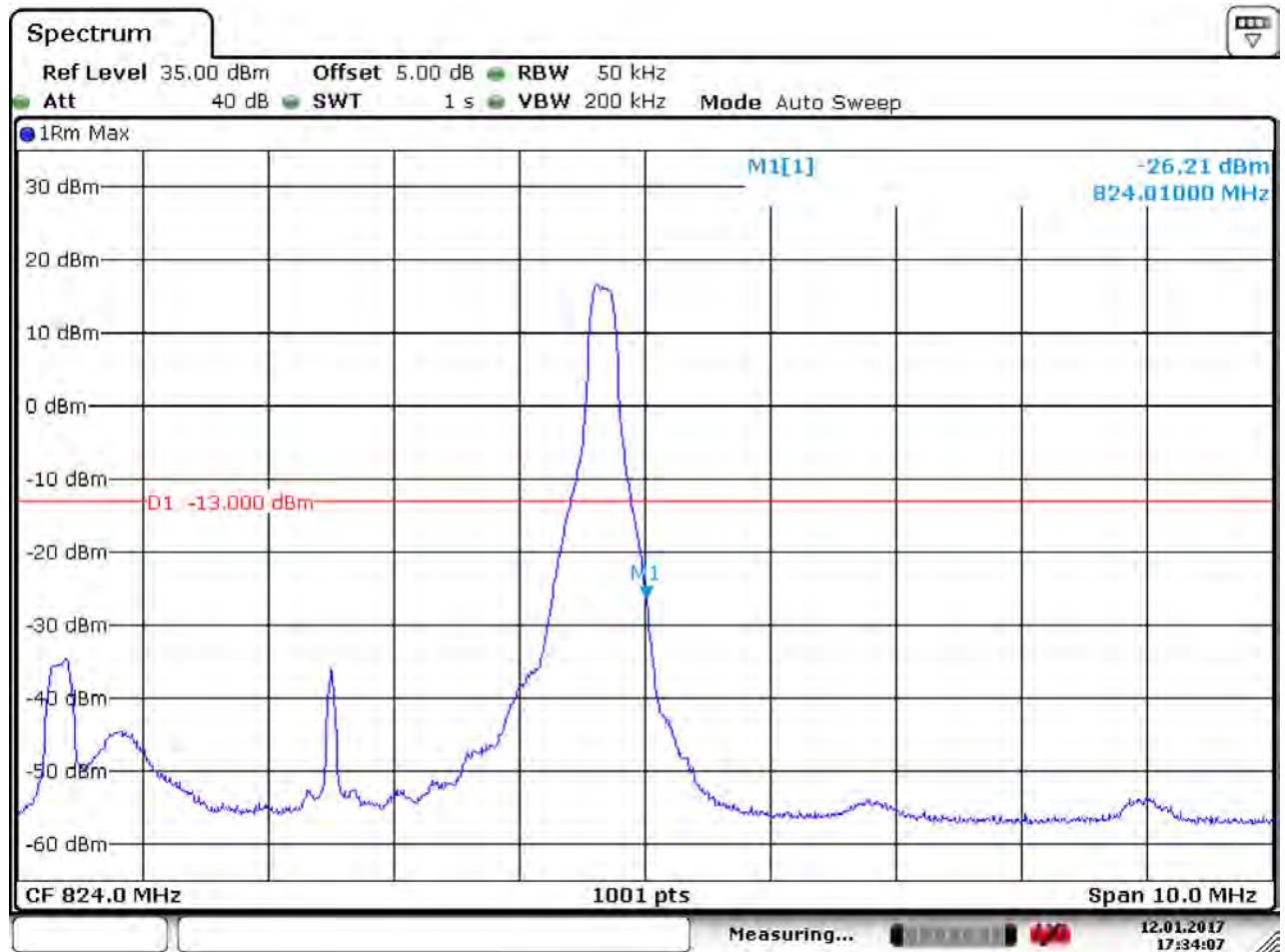


Date: 12.JAN.2017 17:30:37



5.1.1.7.2 Test Channel = HCH

5.1.1.7.2.1 Test RB=1RB



Date: 12.JAN.2017 17:34:07



5.1.1.7.2.2 Test RB=25RB



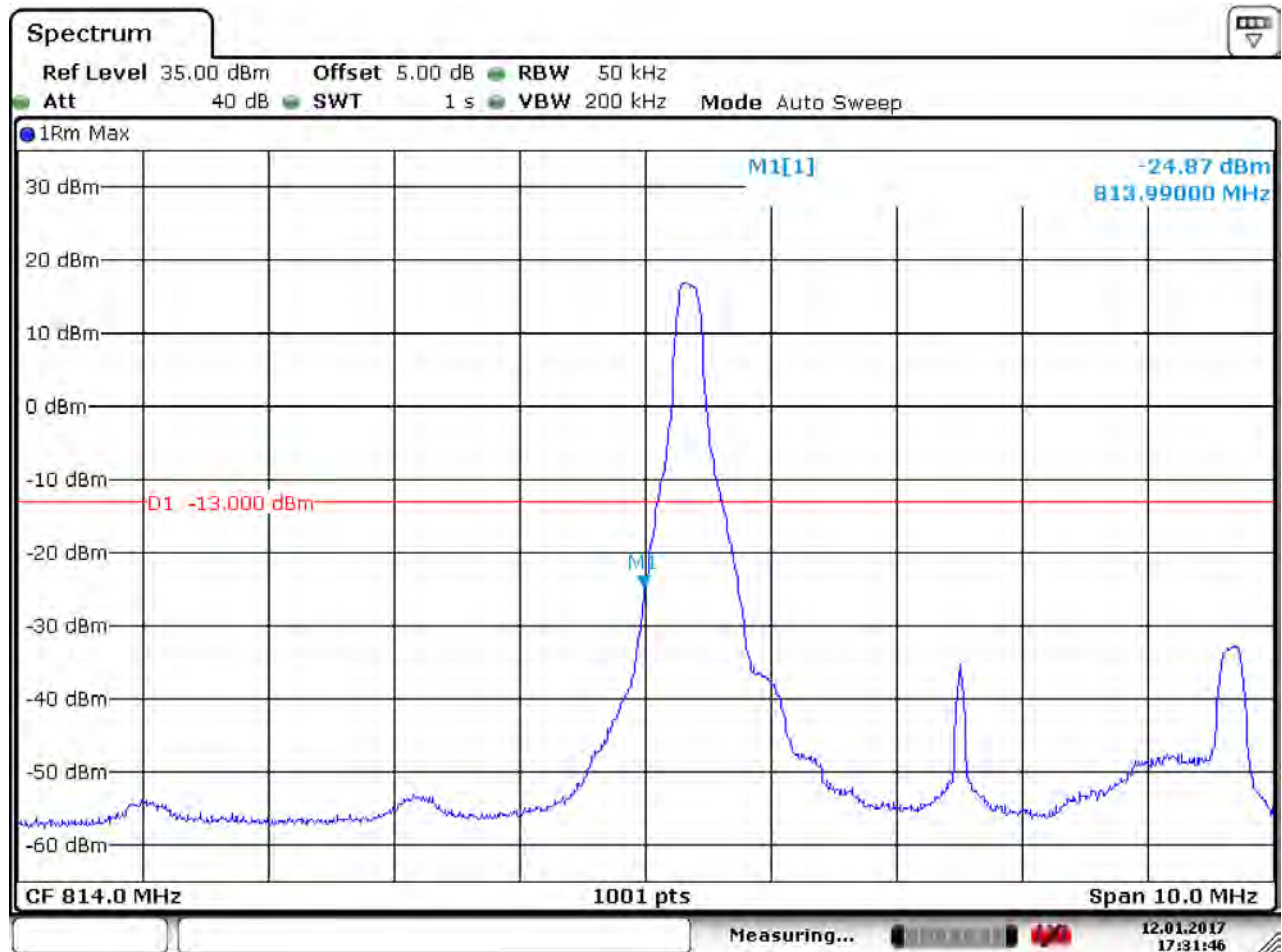
Date: 12.JAN.2017 17:34:47



5.1.1.8 Test Mode = LTE/TM2 5MHz

5.1.1.8.1 Test Channel = LCH

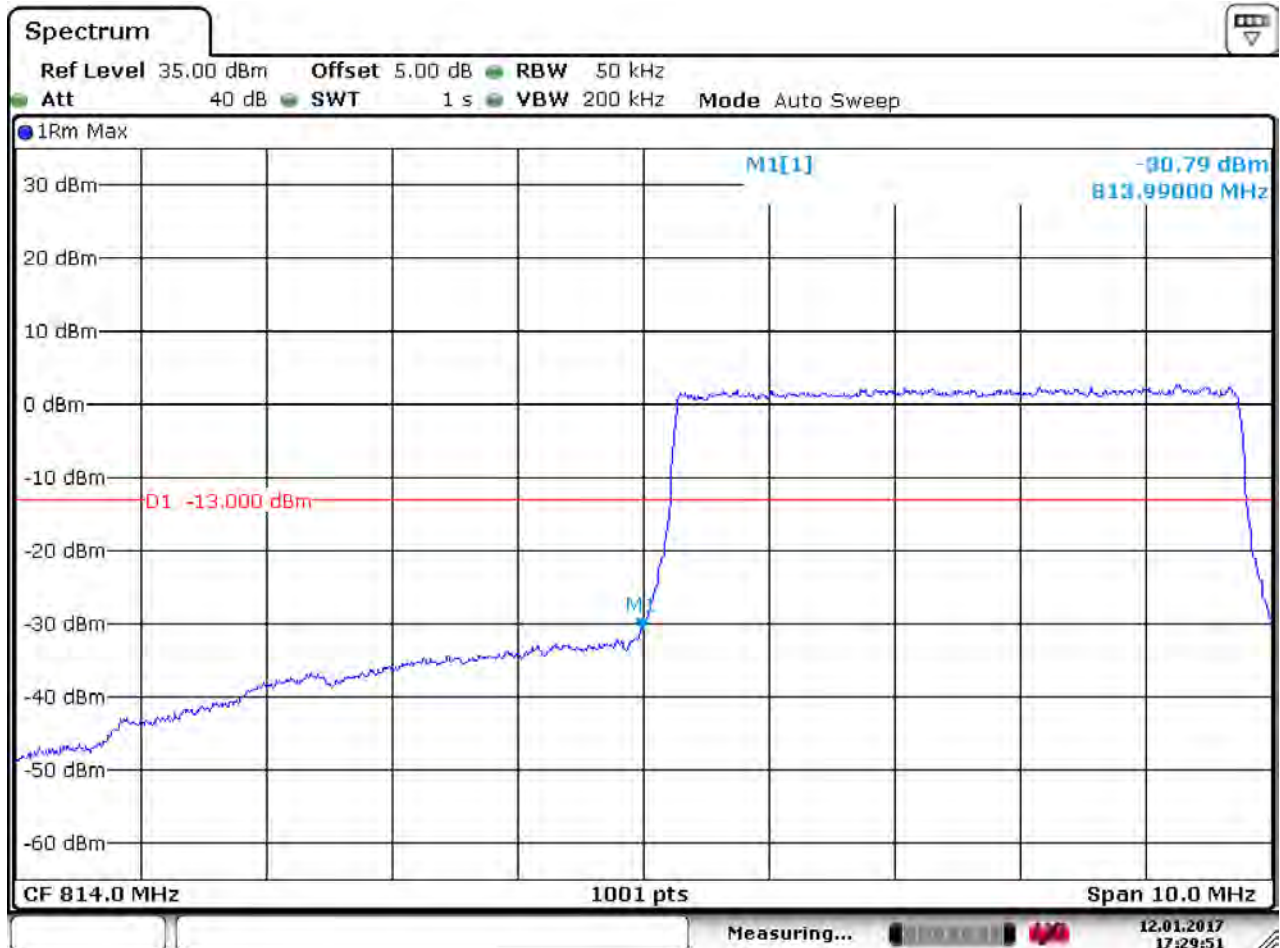
5.1.1.8.1.1 Test RB=1RB



Date: 12.JAN.2017 17:31:47



5.1.1.8.1.2 Test RB=25RB

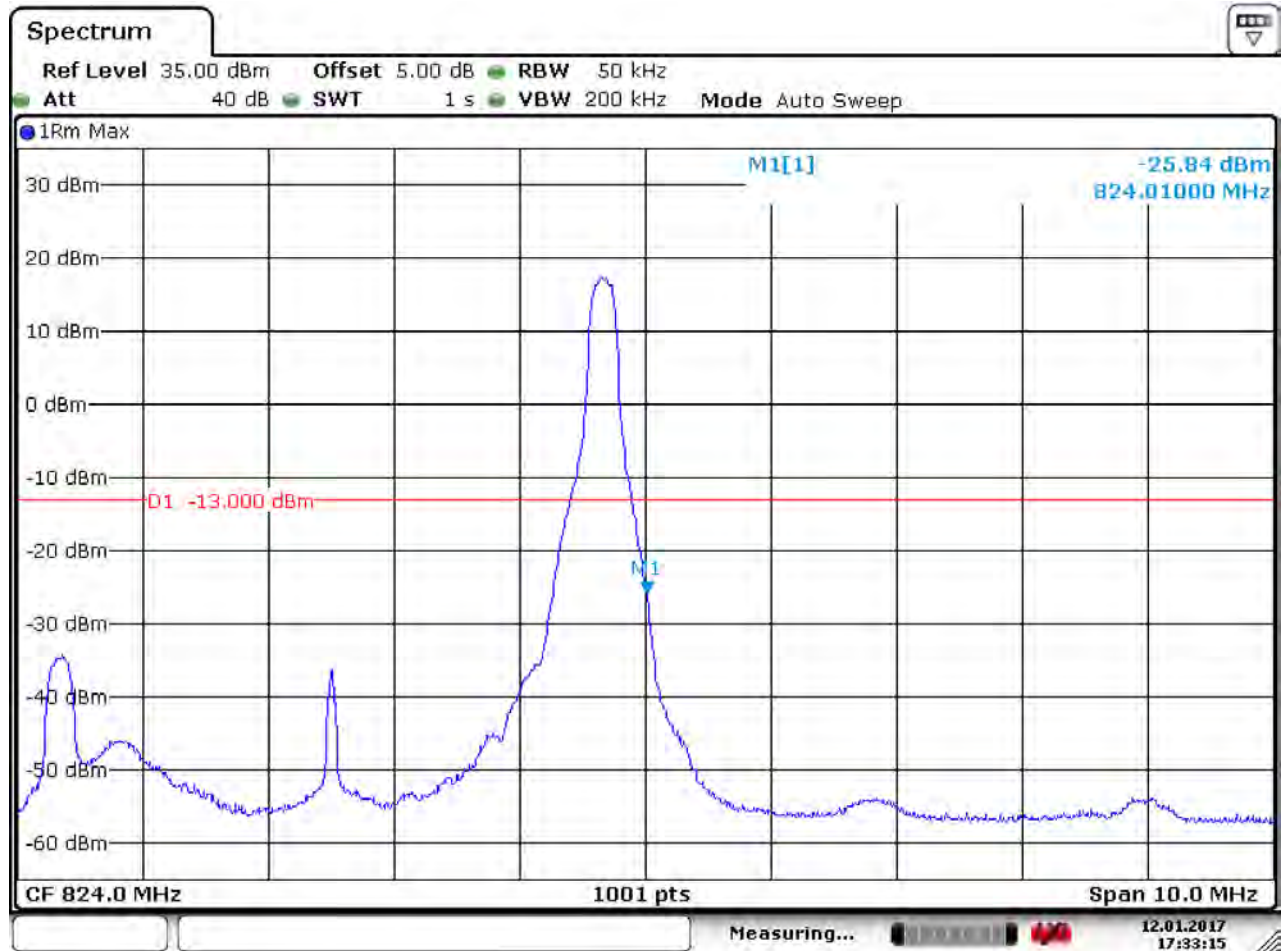


Date: 12.JAN.2017 17:29:51



5.1.1.8.2 Test Channel = HCH

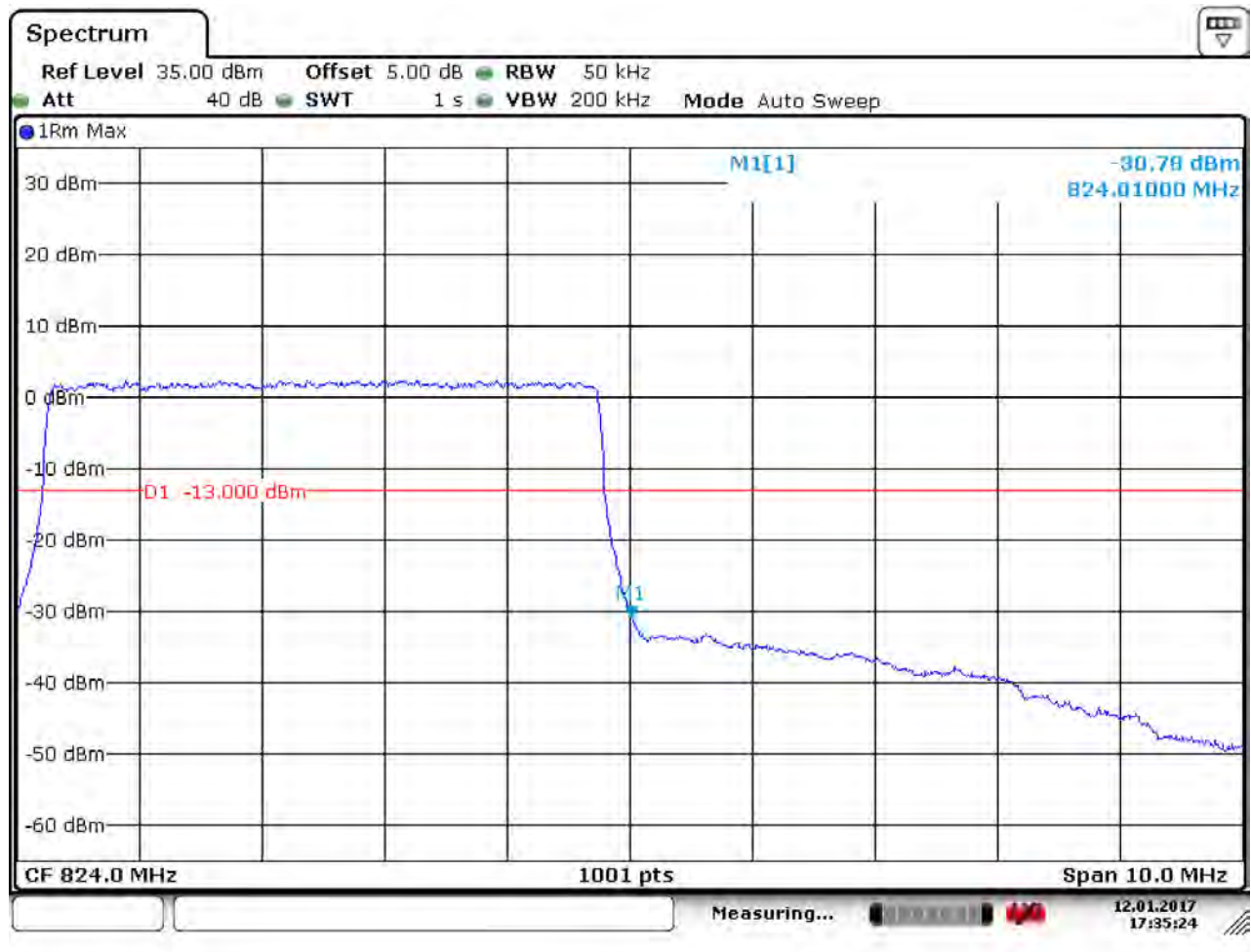
5.1.1.8.2.1 Test RB=1RB



Date: 12.JAN.2017 17:33:16



5.1.1.8.2.2 Test RB=25RB



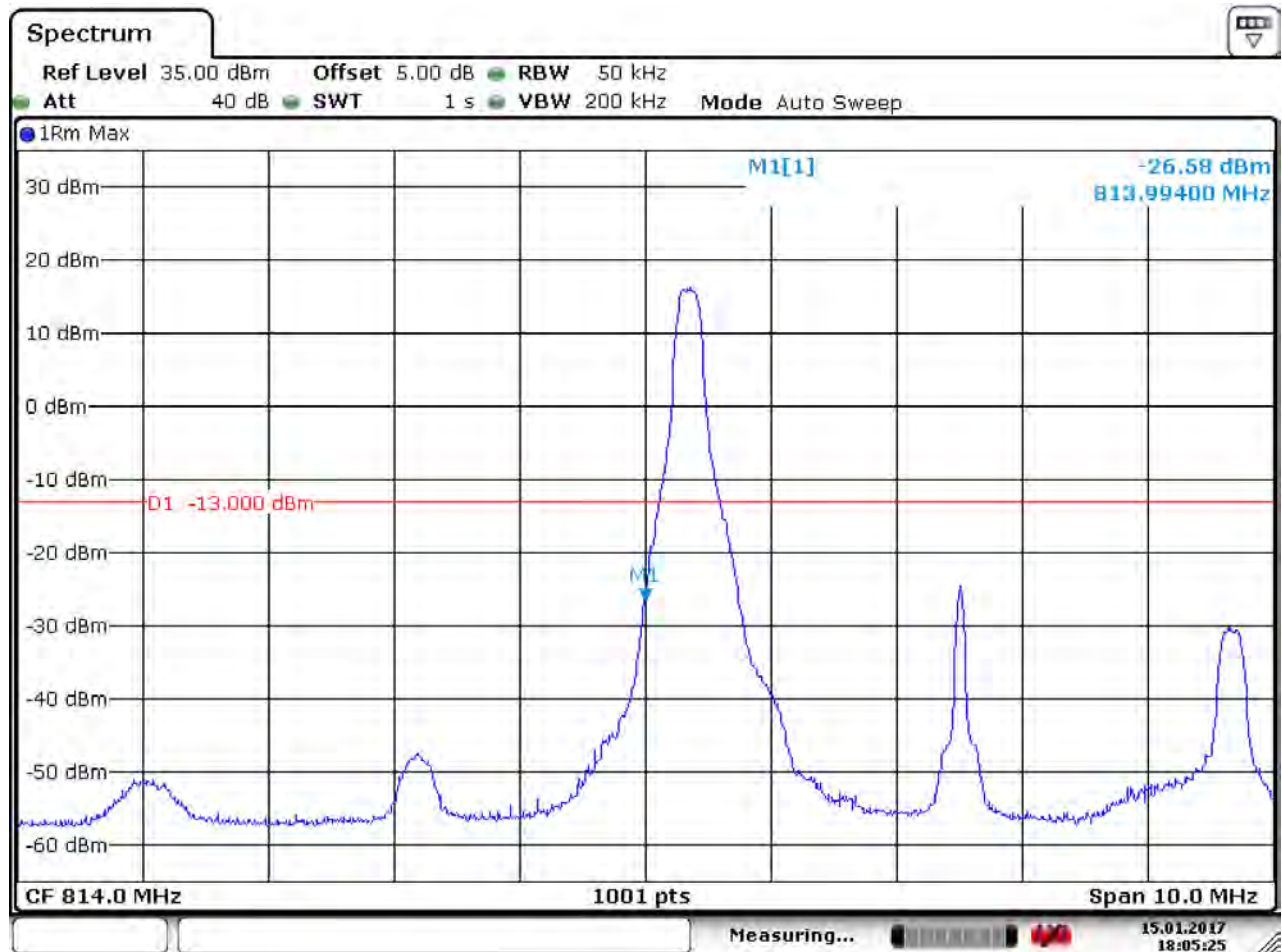
Date: 12.JAN.2017 17:35:25



5.1.1.9 Test Mode = LTE/TM3 5MHz

5.1.1.9.1 Test Channel = LCH

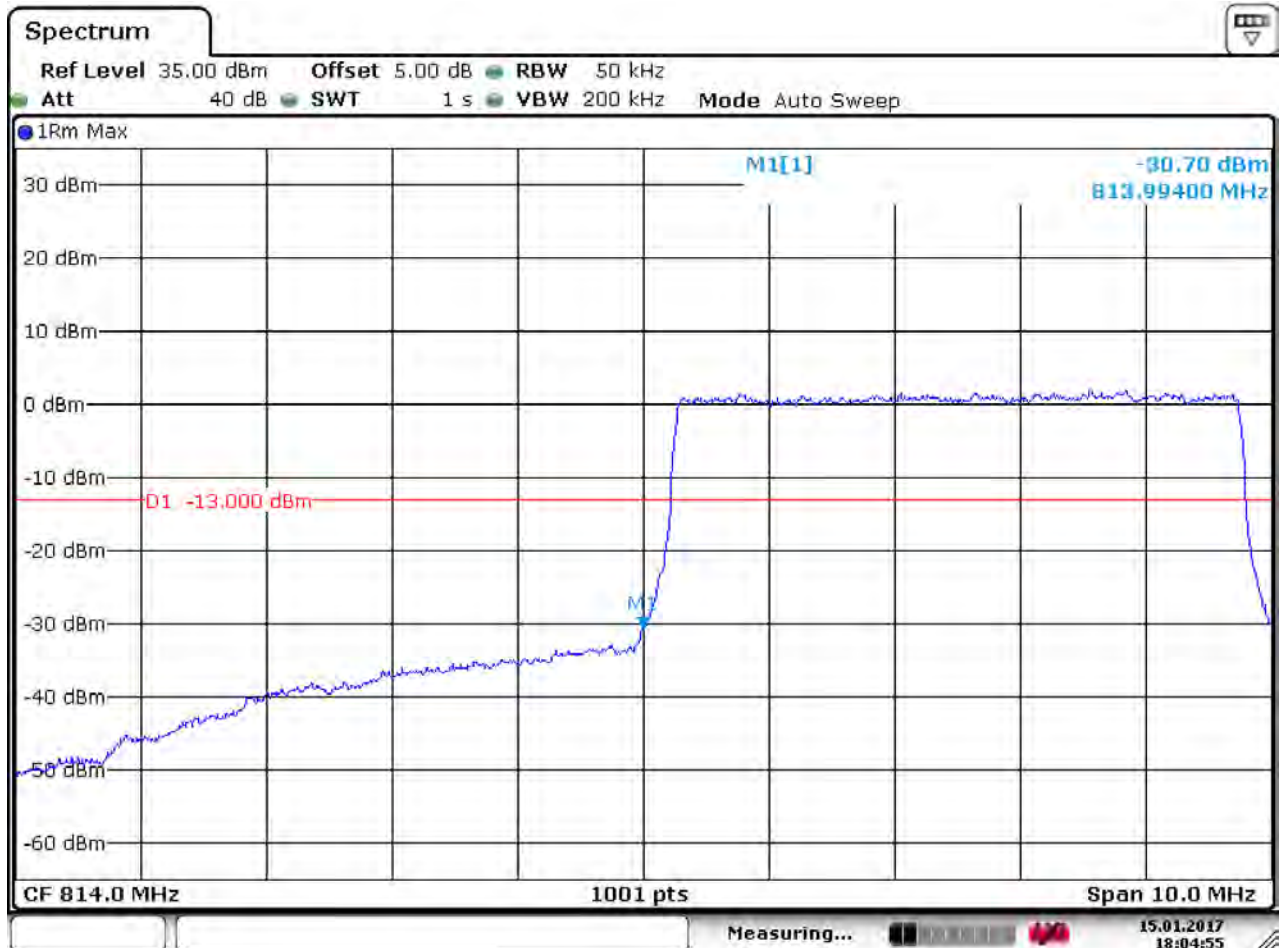
5.1.1.9.1.1 Test RB=1RB



Date: 15.JAN.2017 18:05:26



5.1.1.9.1.2 Test RB=25RB

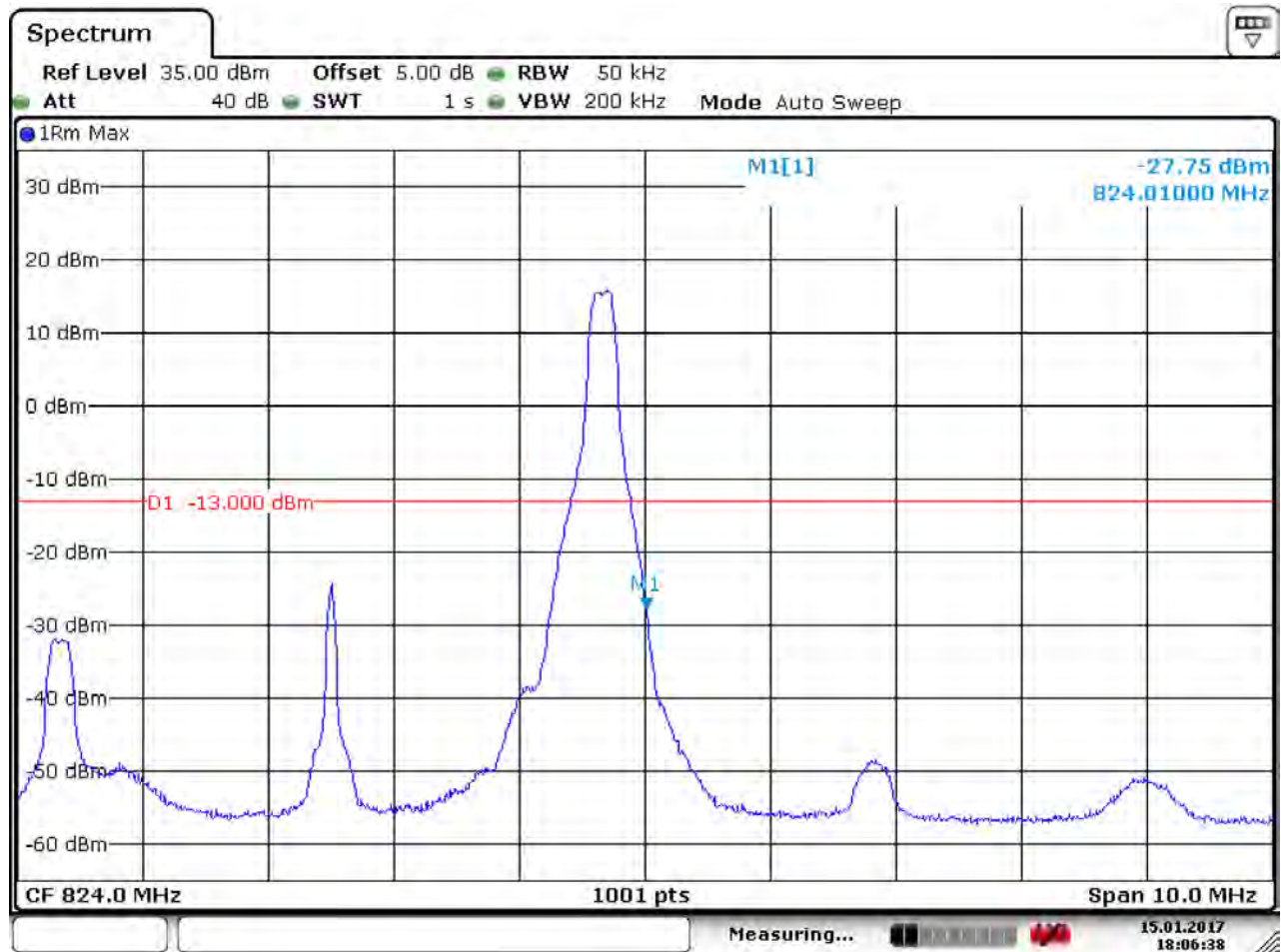


Date: 15 JAN 2017 18:04:55



5.1.1.9.2 Test Channel = HCH

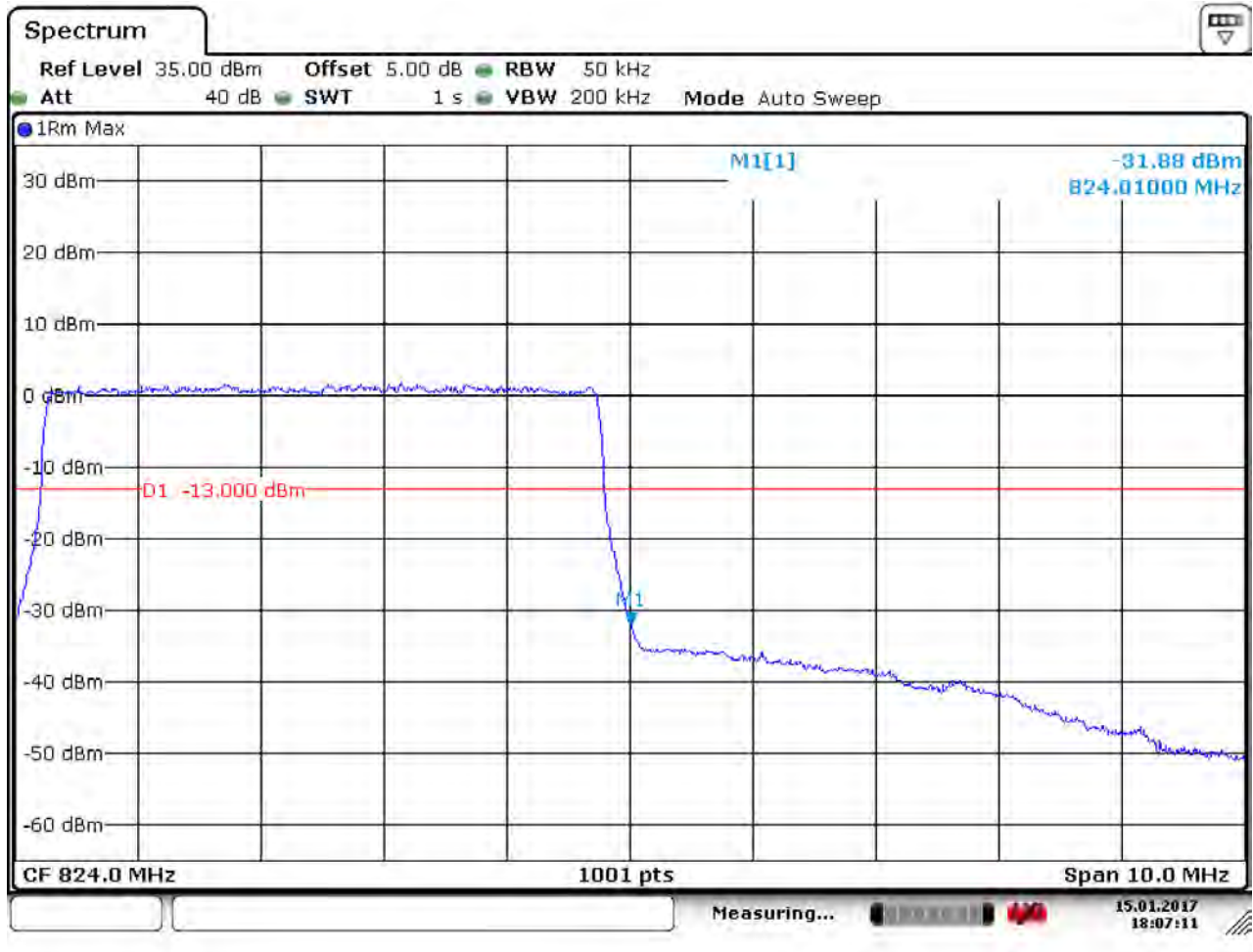
5.1.1.9.2.1 Test RB=1RB



Date: 15 JAN 2017 18:06:38



5.1.1.9.2.2 Test RB=25RB



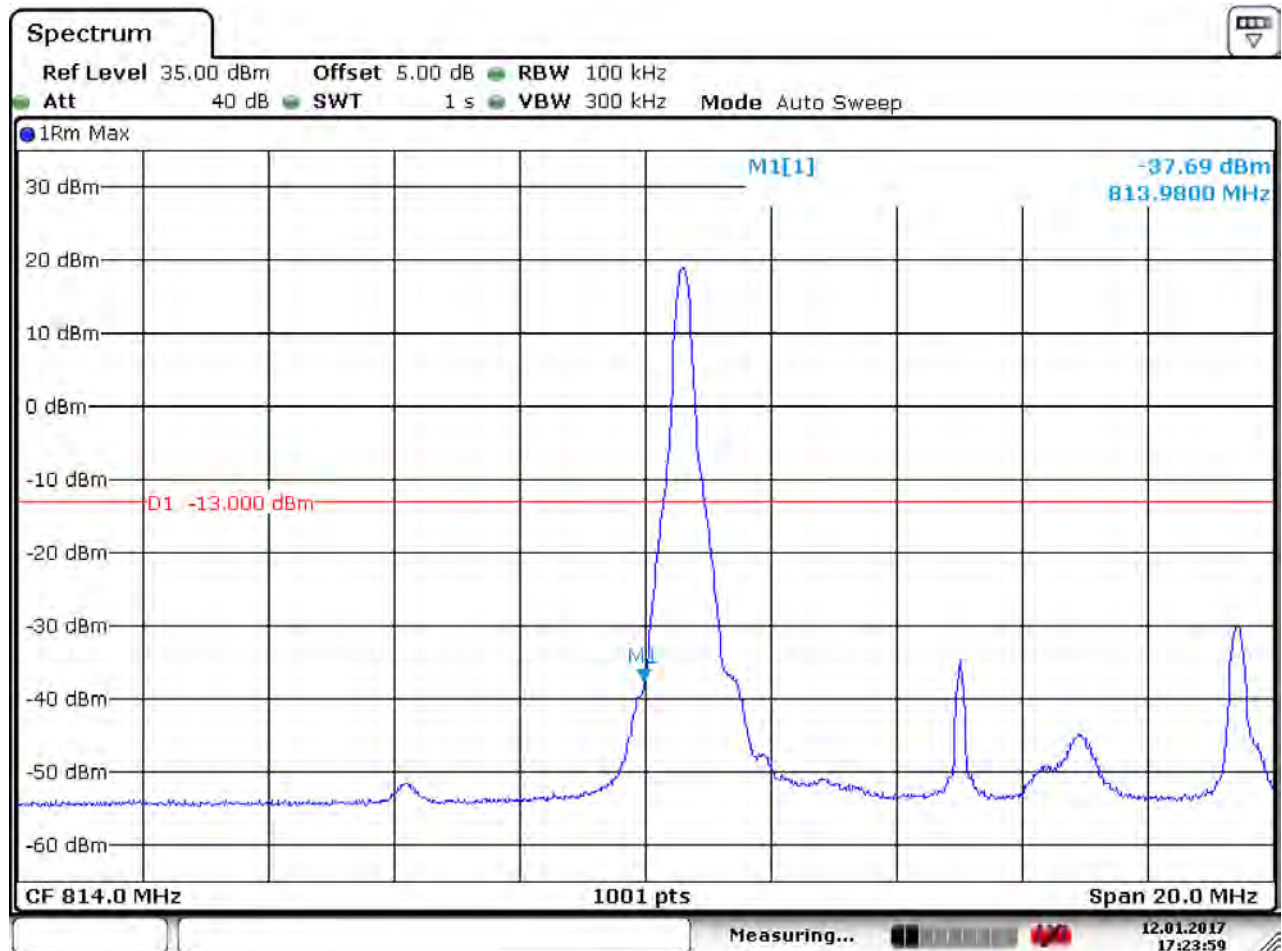
Date: 15.JAN.2017 18:07:11



5.1.1.10 Test Mode = LTE/TM1 10MHz

5.1.1.10.1 Test Channel = LCH

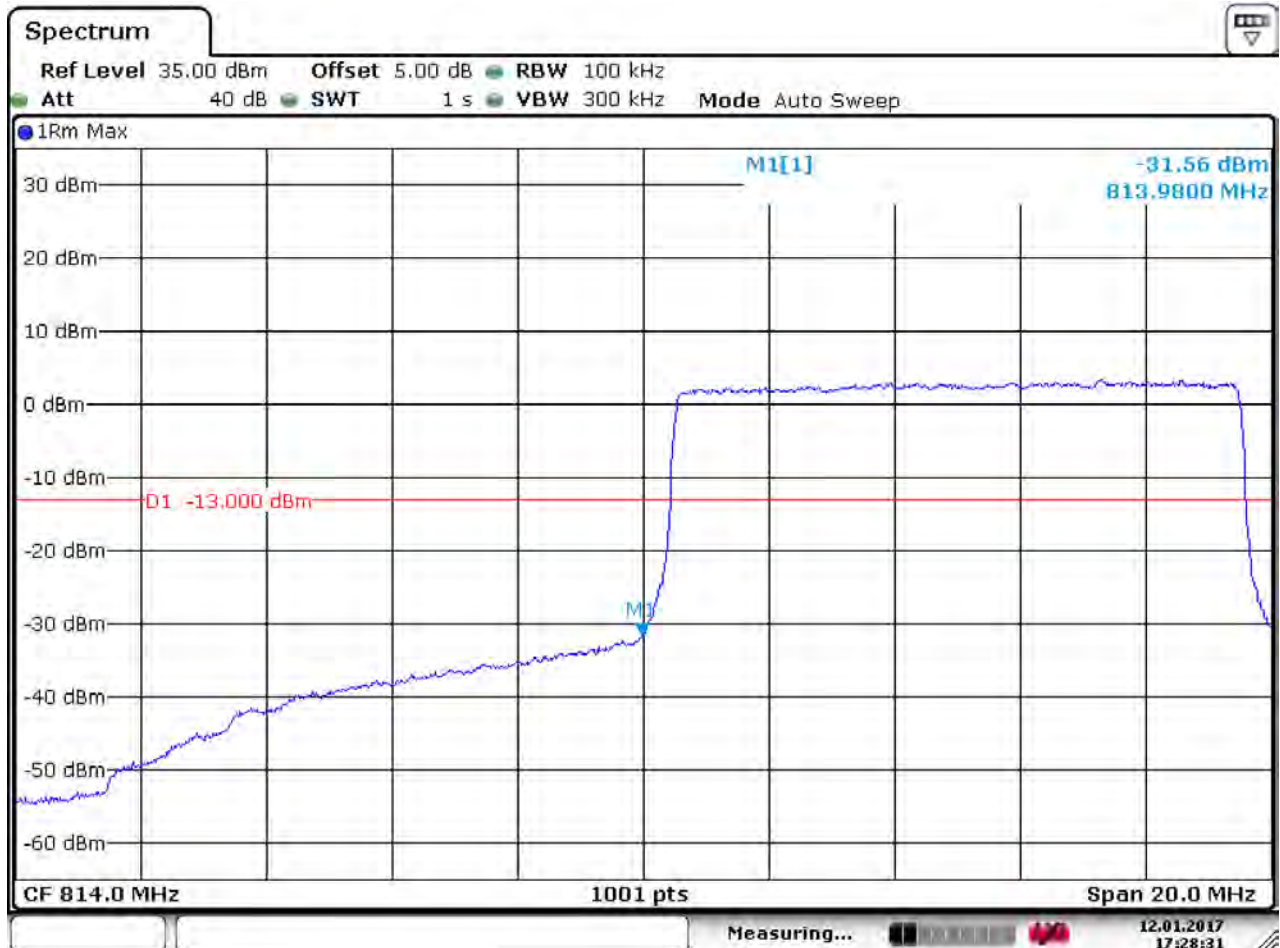
5.1.1.10.1.1 Test RB=1RB



Date: 12.JAN.2017 17:24:00



5.1.1.10.1.2 Test RB=50RB

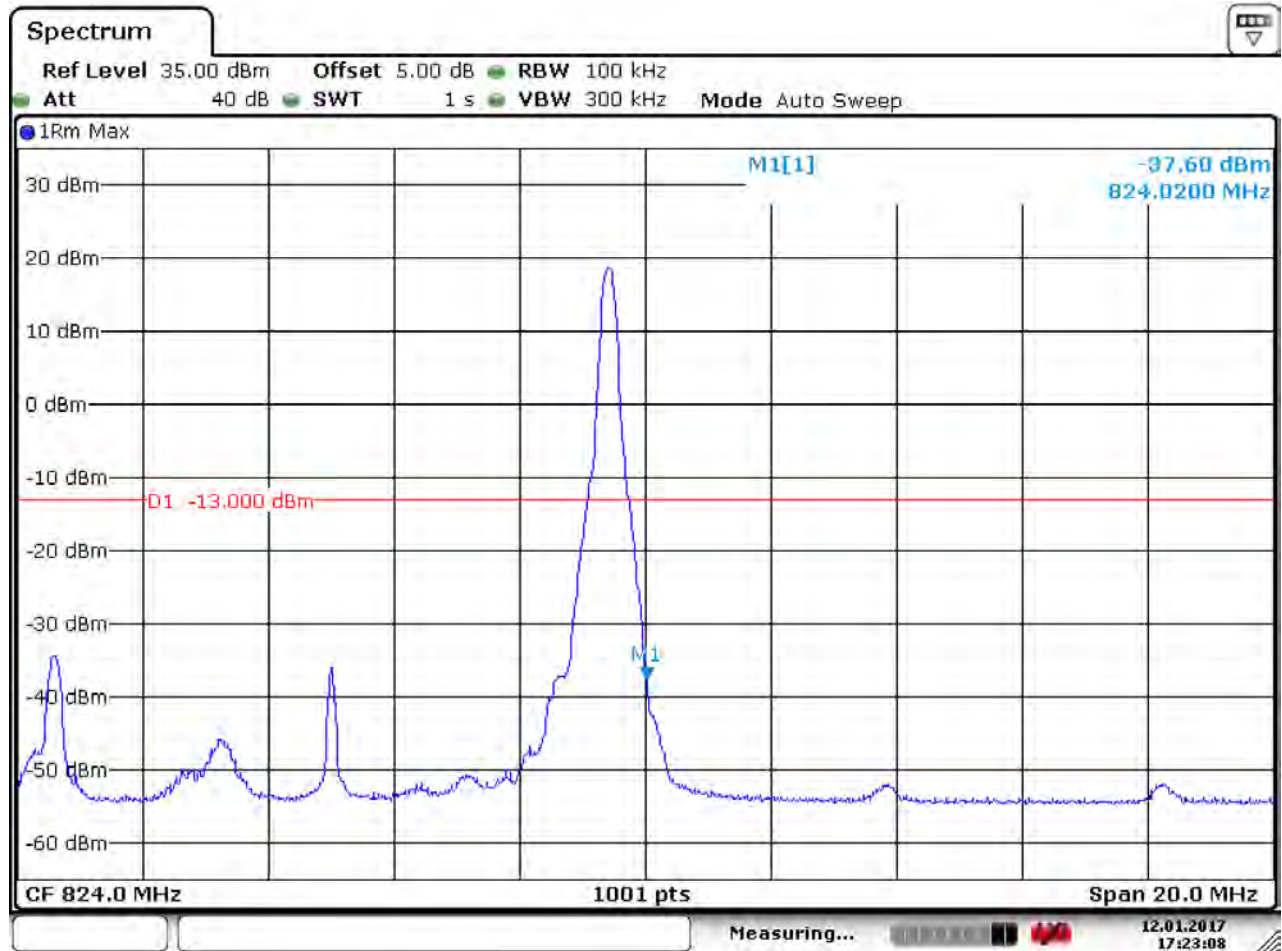


Date: 12.JAN.2017 17:28:31



5.1.1.10.2 Test Channel = HCH

5.1.1.10.2.1 Test RB=1RB



Date: 12.JAN.2017 17:23:09



5.1.1.10.2.2 Test RB=50RB



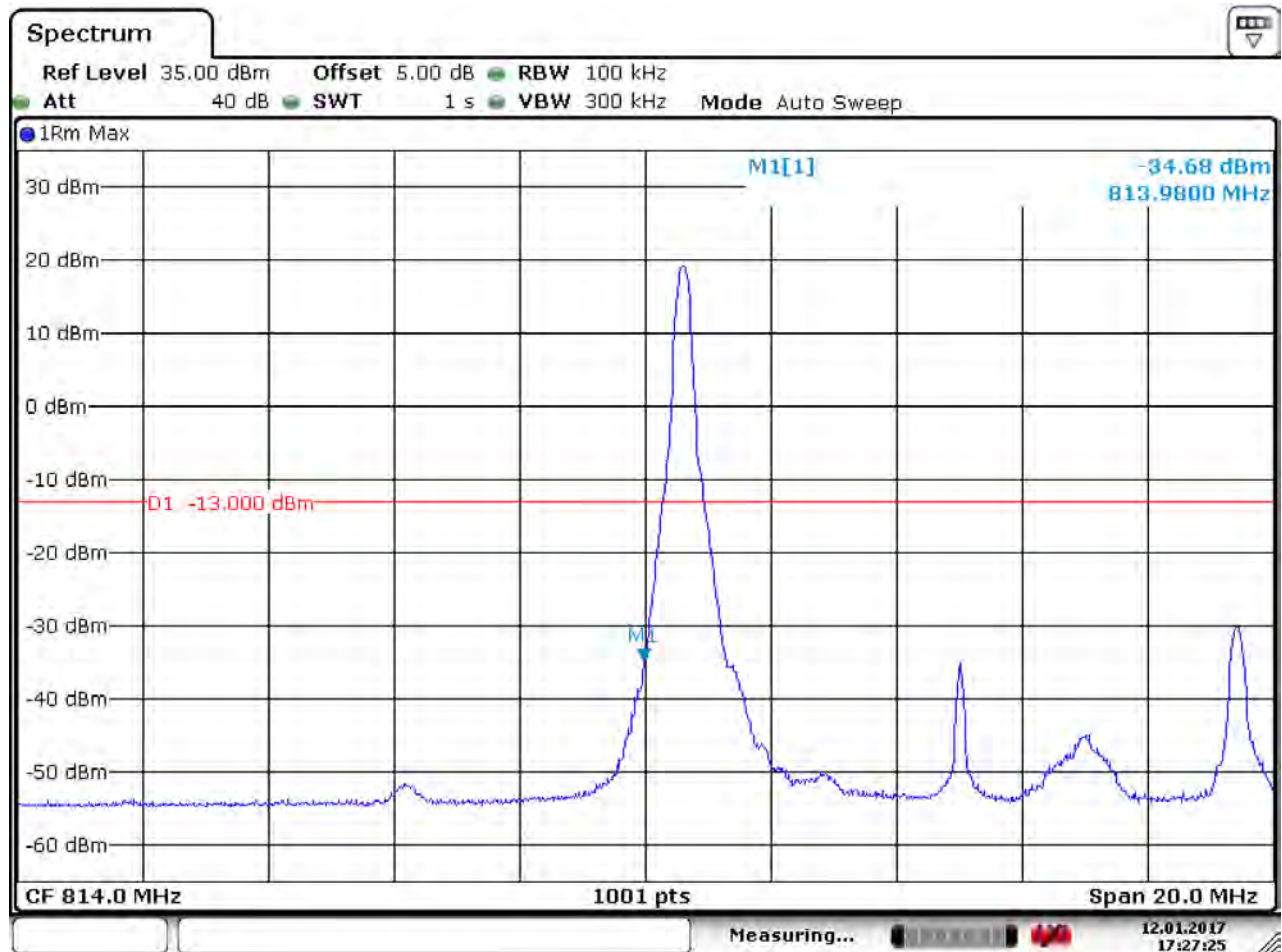
Date: 12.JAN.2017 17:21:20



5.1.1.11 Test Mode = LTE/TM2 10MHz

5.1.1.11.1 Test Channel = LCH

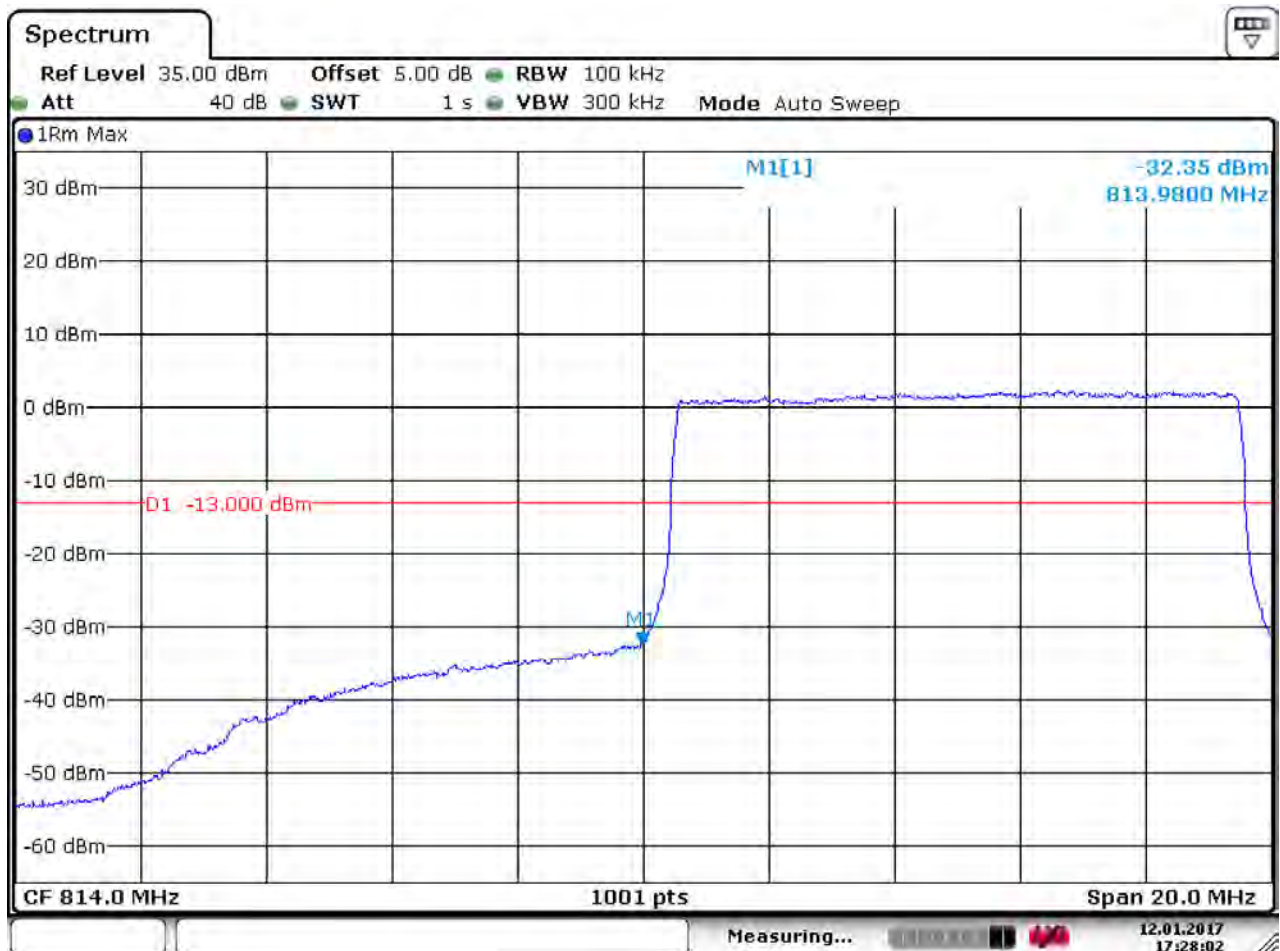
5.1.1.11.1.1 Test RB=1RB



Date: 12.JAN.2017 17:27:25



5.1.1.11.1.2 Test RB=50RB

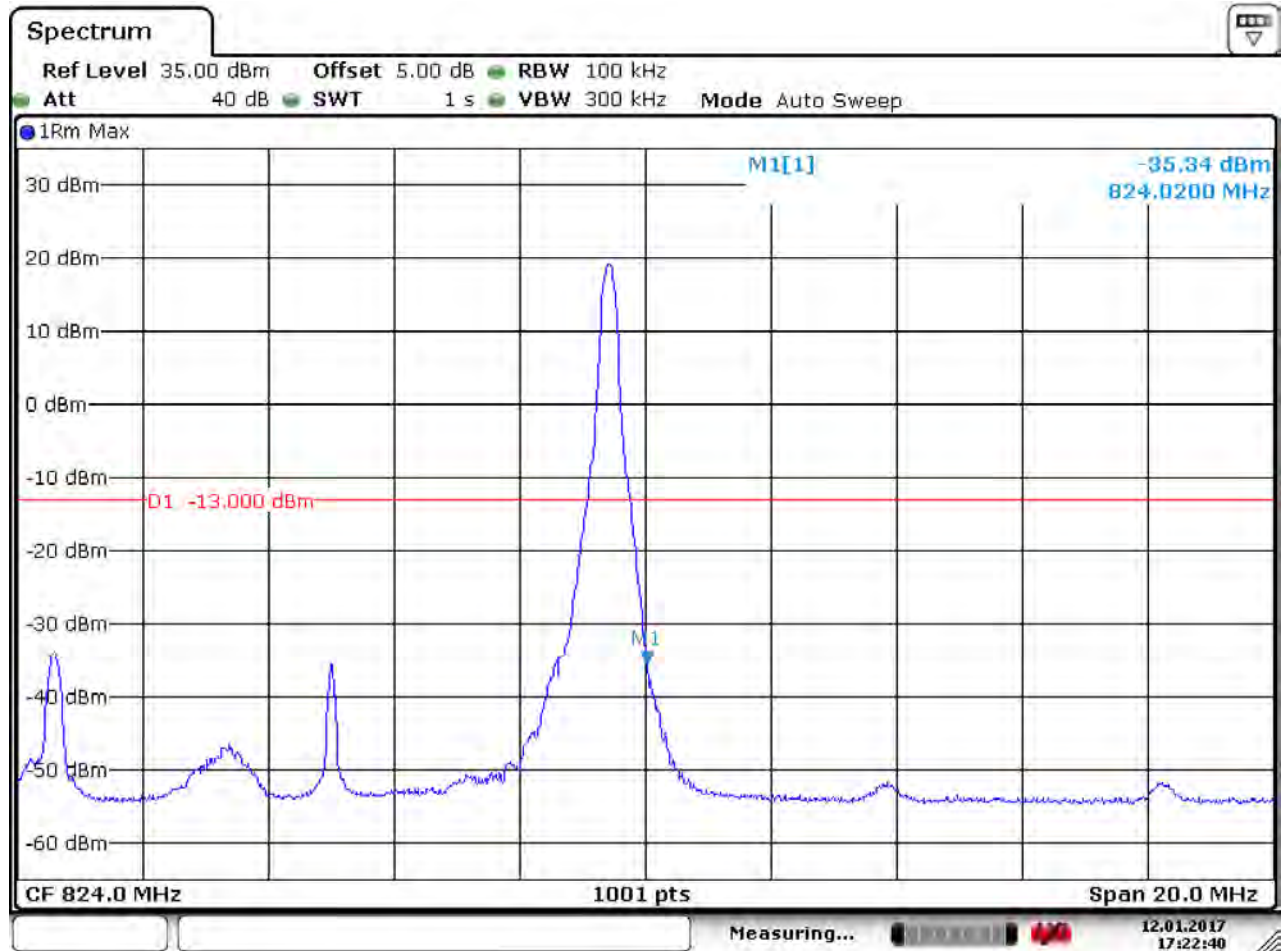


Date: 12.JAN.2017 17:28:03



5.1.1.11.2 Test Channel = HCH

5.1.1.11.2.1 Test RB=1RB



Date: 12.JAN.2017 17:22:40



5.1.1.11.2.2 Test RB=50RB



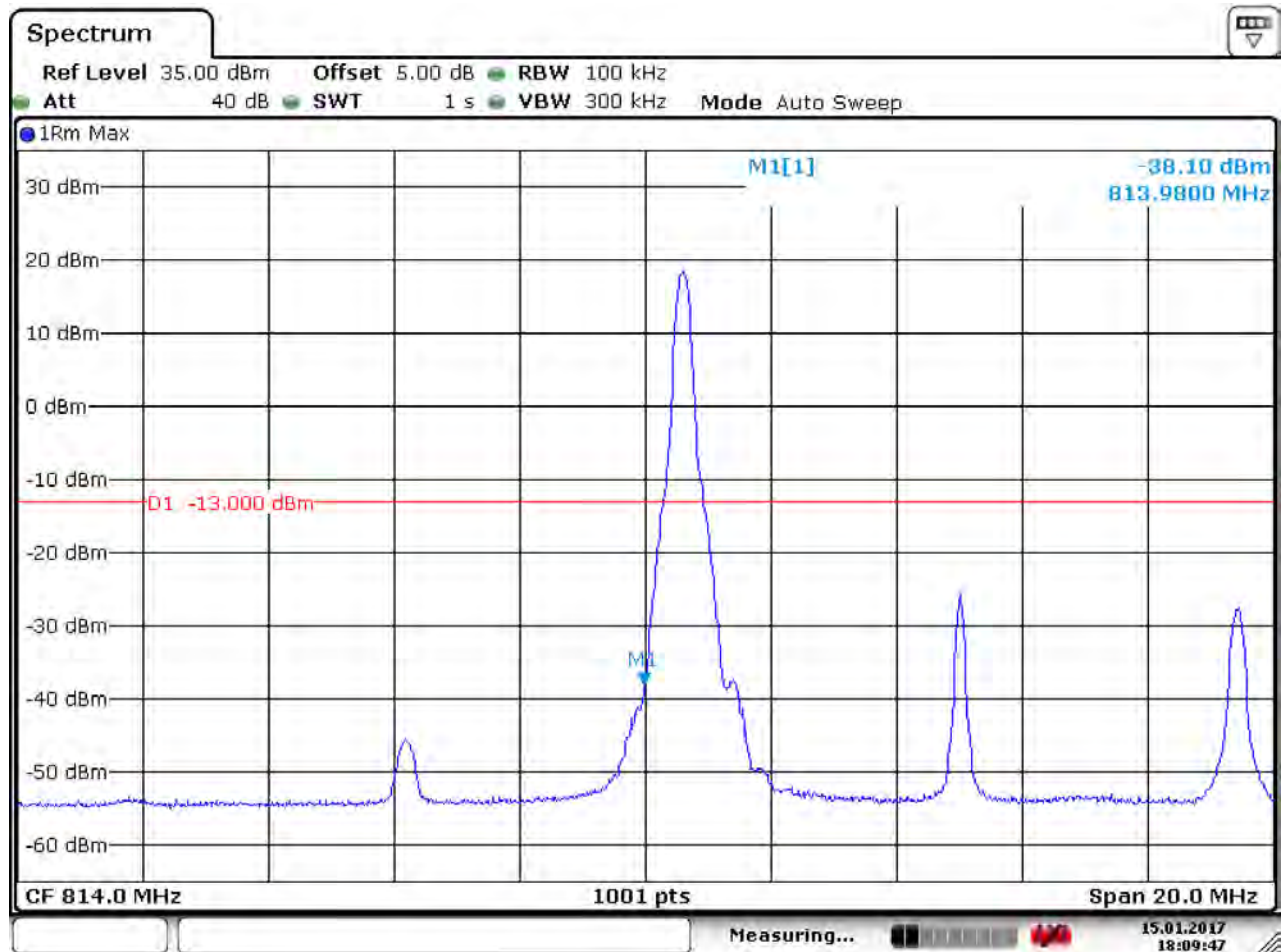
Date: 12.JAN.2017 17:21:47



5.1.1.12 Test Mode = LTE/TM3 10MHz

5.1.1.12.1 Test Channel = LCH

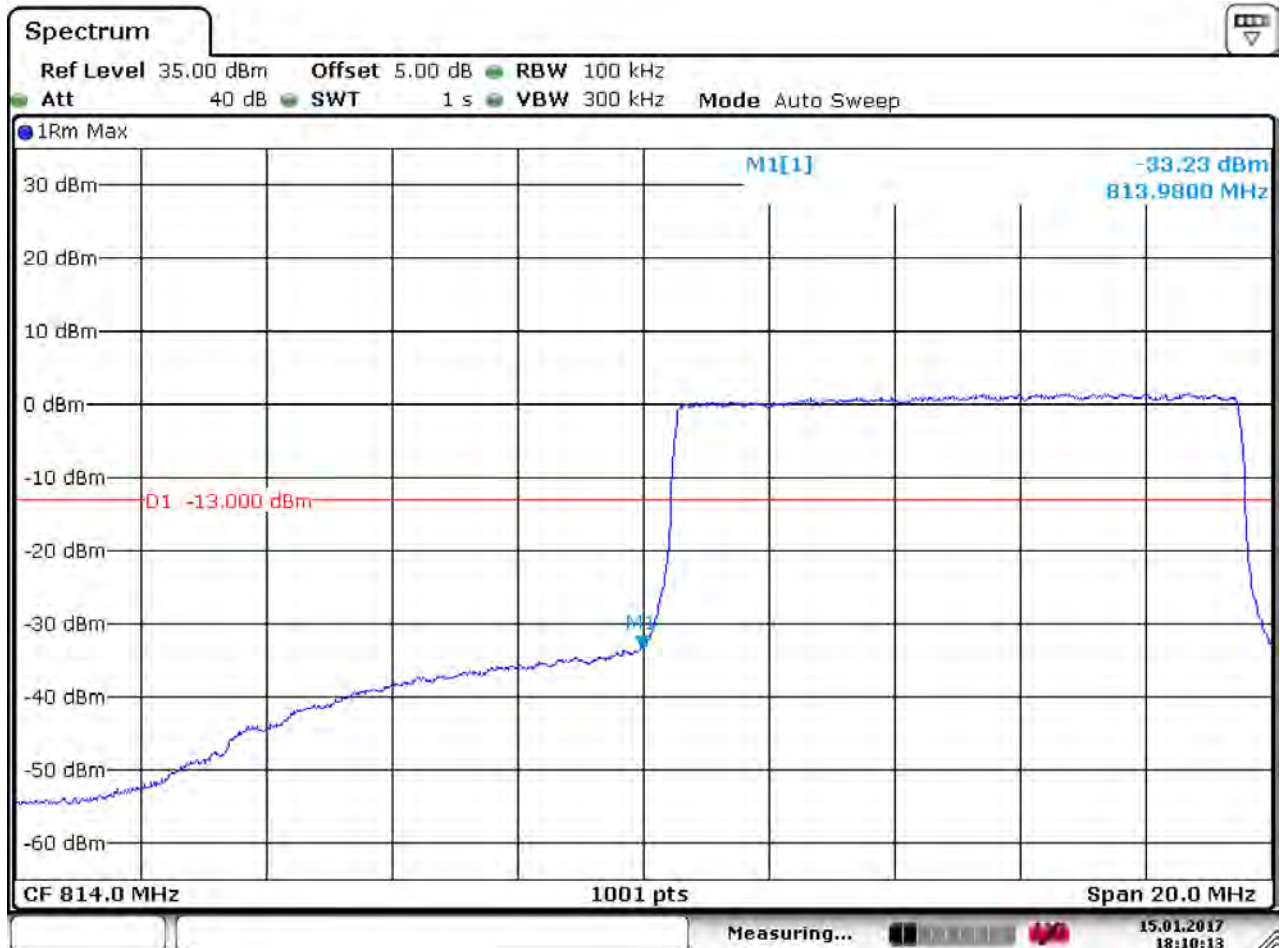
5.1.1.12.1.1 Test RB=1RB



Date: 15.JAN.2017 18:09:47



5.1.1.12.1.2 Test RB=50RB

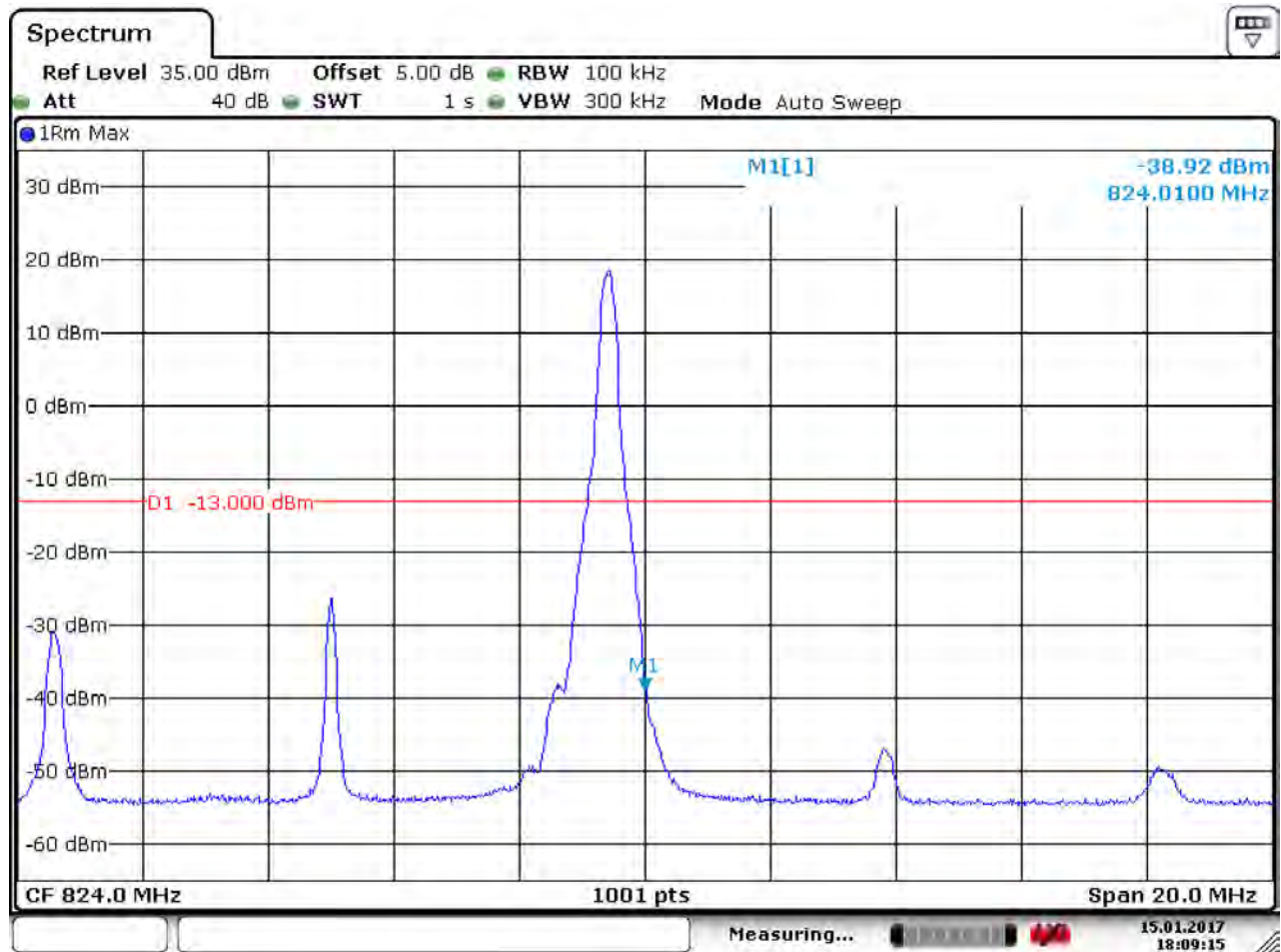


Date: 15.JAN.2017 18:10:14



5.1.1.12.2 Test Channel = HCH

5.1.1.12.2.1 Test RB=1RB



Date: 15.JAN.2017 18:09:16



5.1.1.12.2.2 Test RB=50RB



Date: 15 JAN 2017 18:08:43

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.

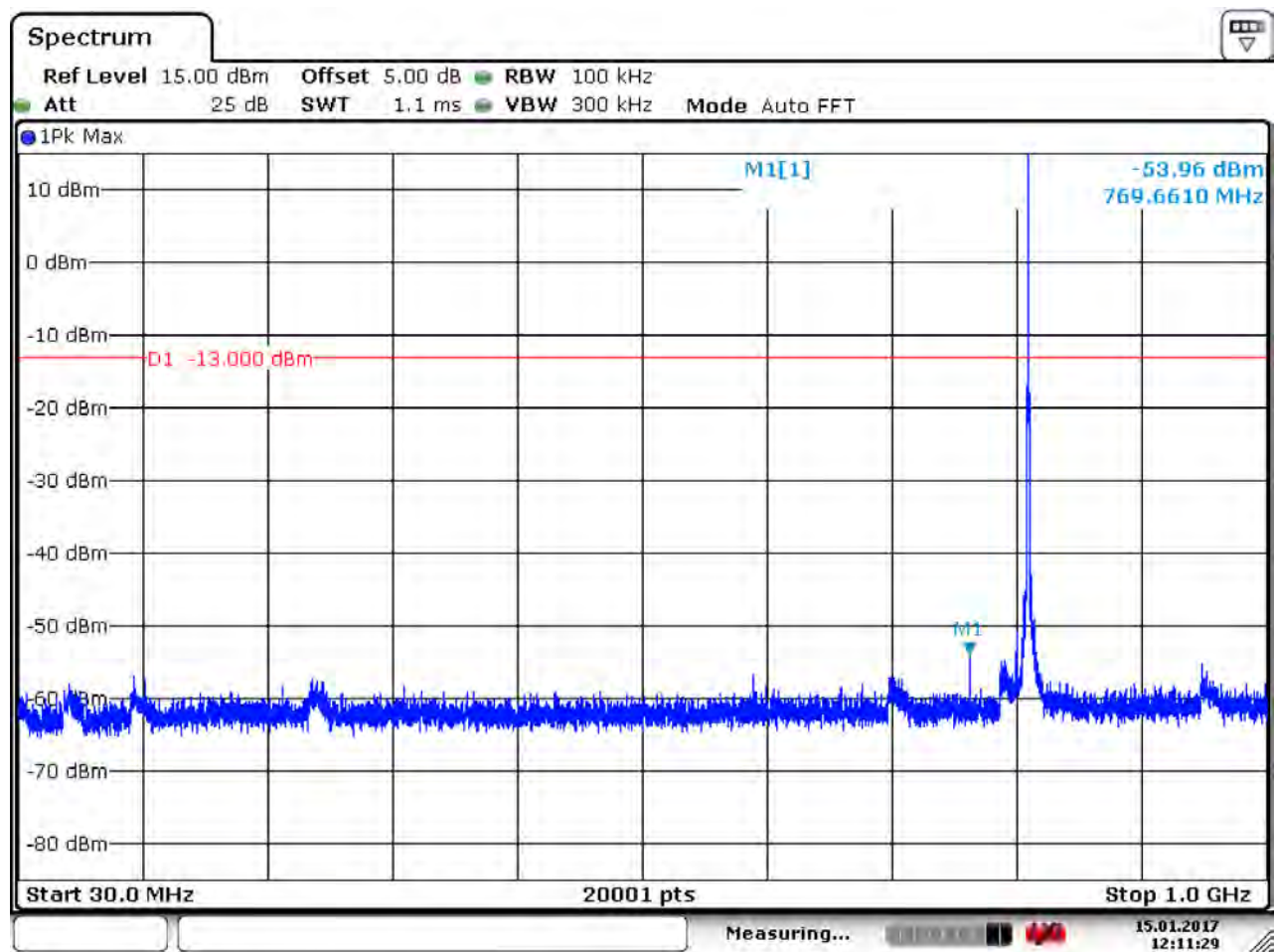
Part I - Test Plots

6.1 For LTE

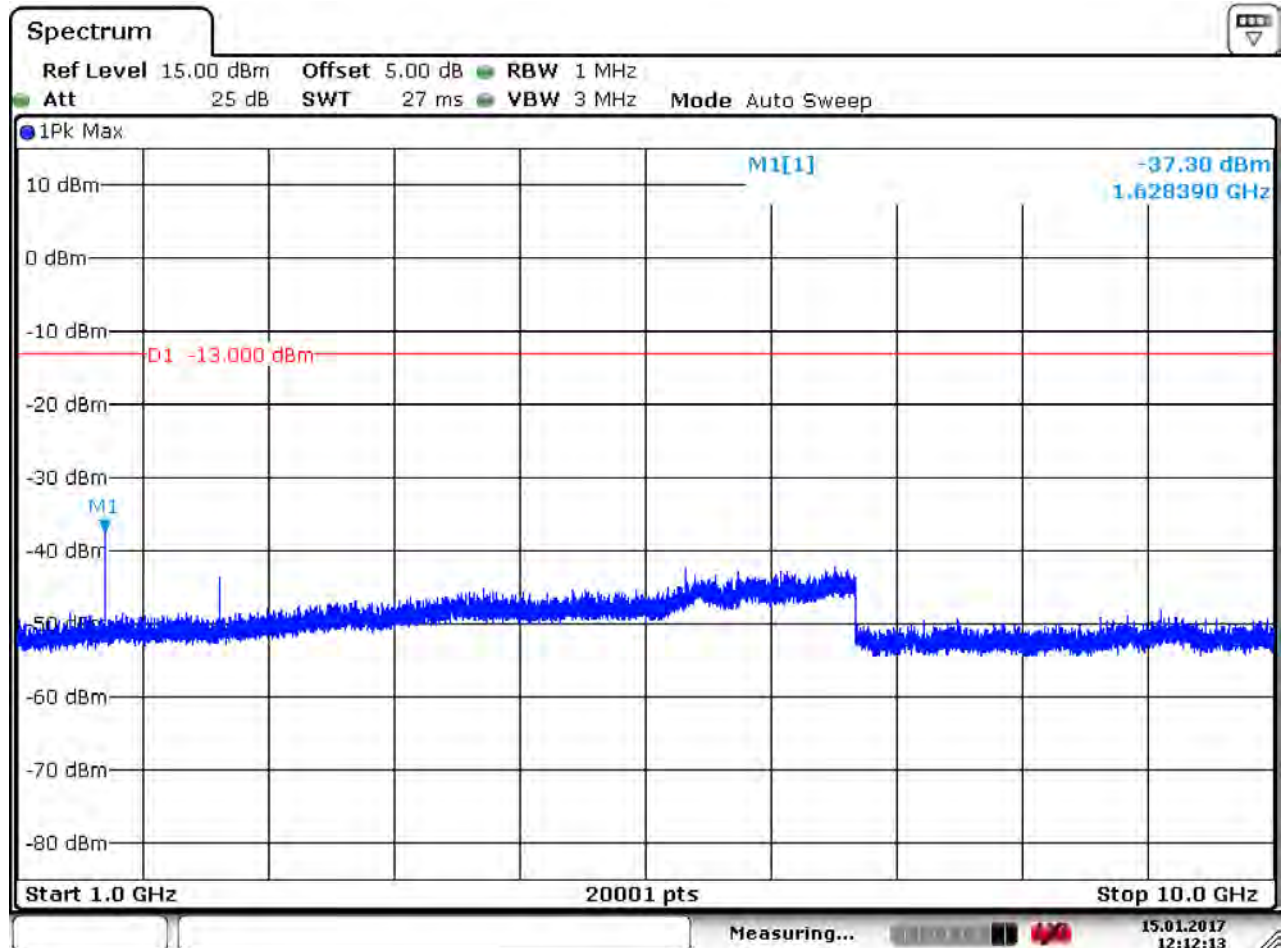
6.1.1 Test Band = LTE band26 (814-824)

6.1.1.1 Test Mode = LTE / TM1 1.4MHz RB1#0

6.1.1.1.1 Test Channel = LCH



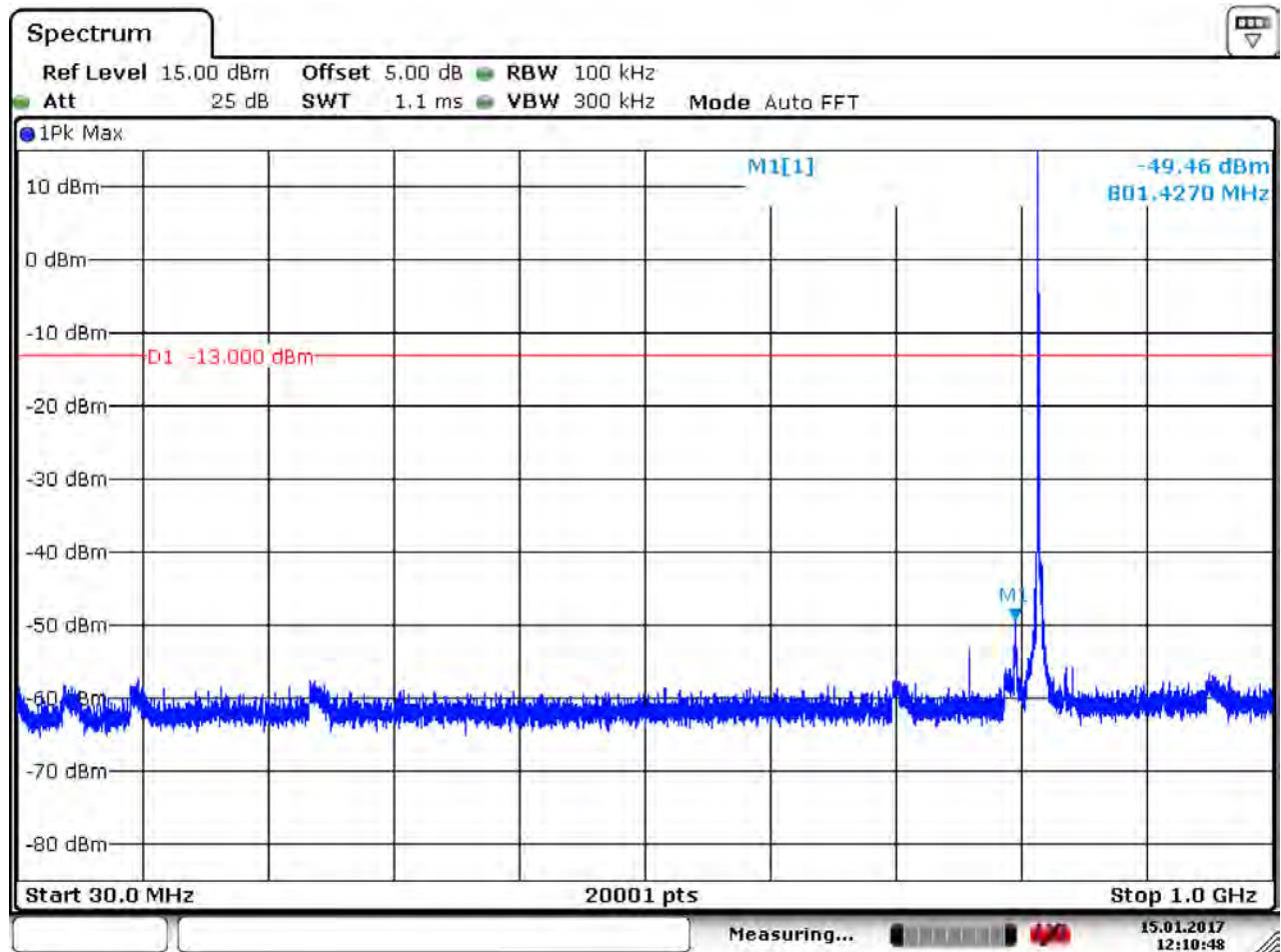
Date: 15.JAN.2017 12:11:30



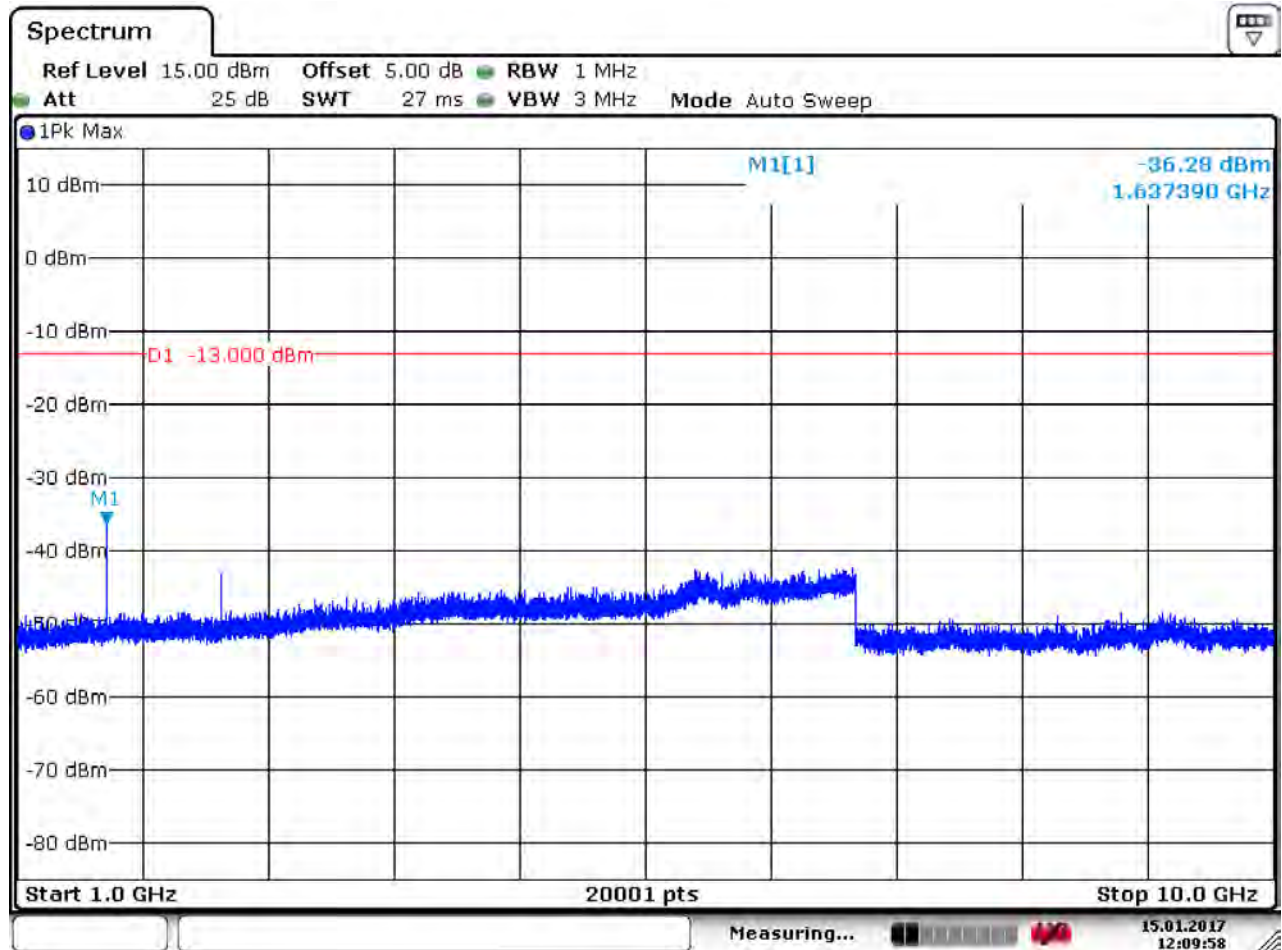
Date: 15.JAN.2017 12:12:12



6.1.1.1.2 Test Channel = MCH



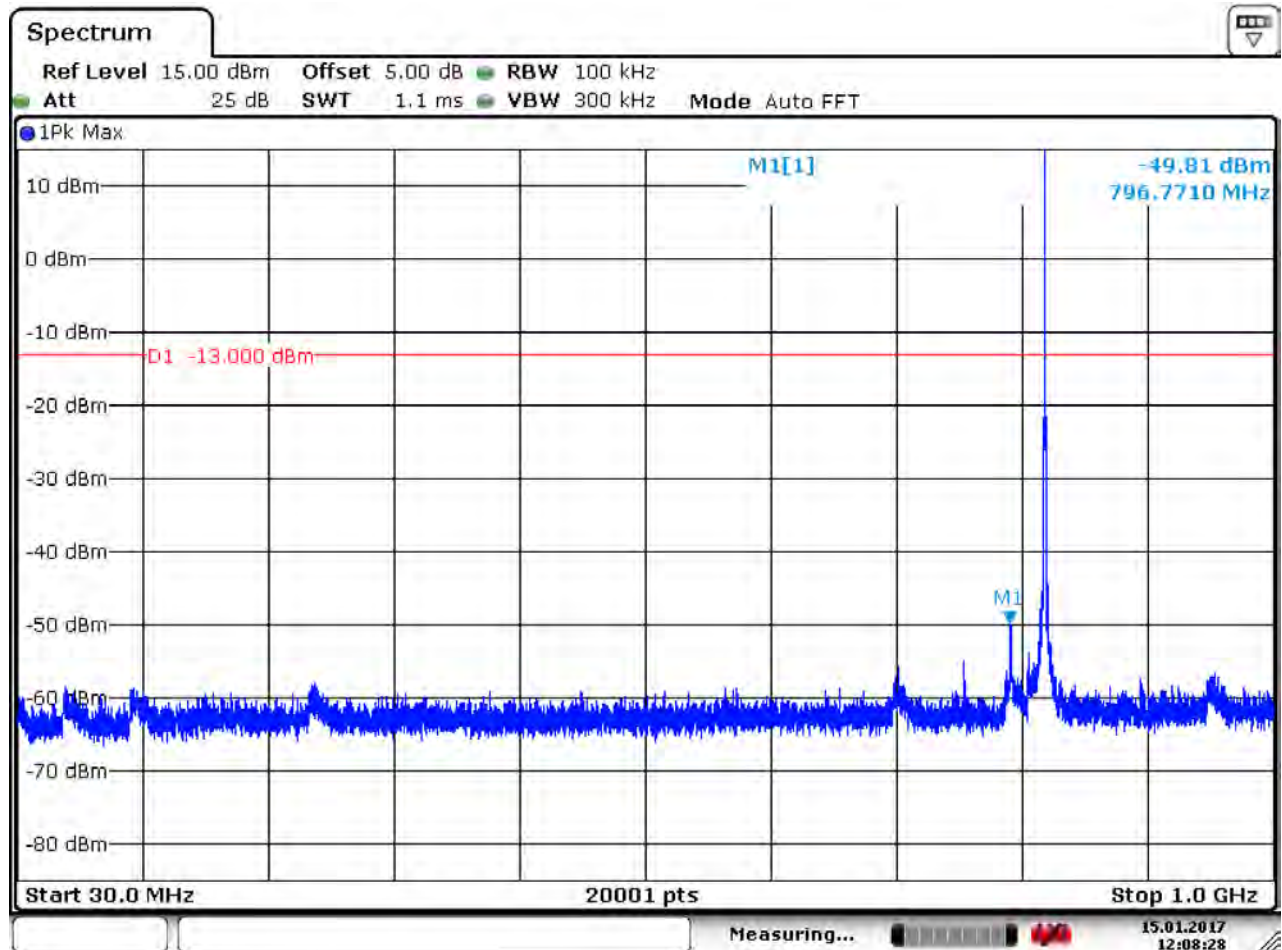
Date: 15.JAN.2017 12:10:49



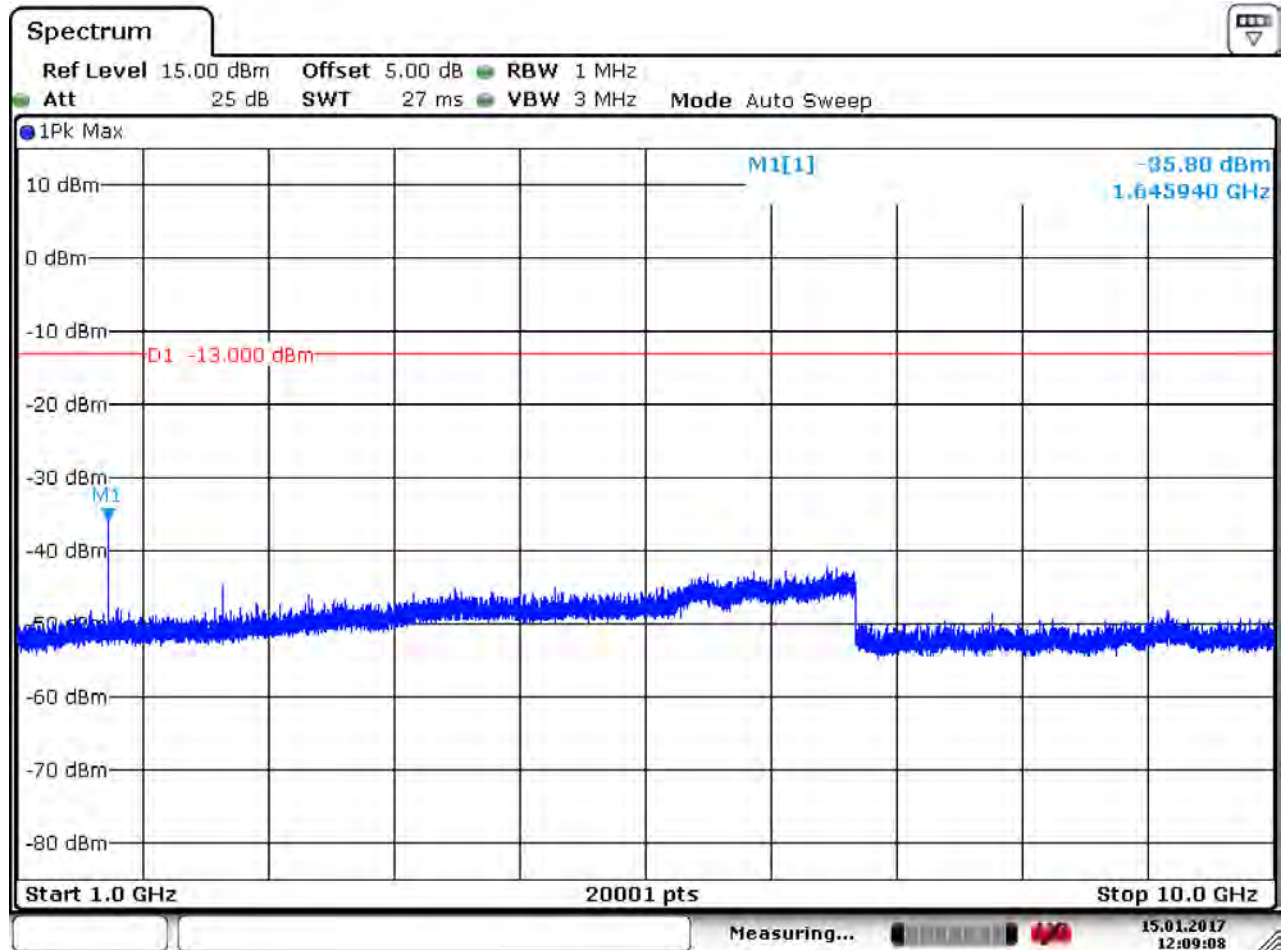
Date: 15.JAN.2017 12:09:58



6.1.1.1.3 Test Channel = HCH



Date: 15.JAN.2017 12:08:29

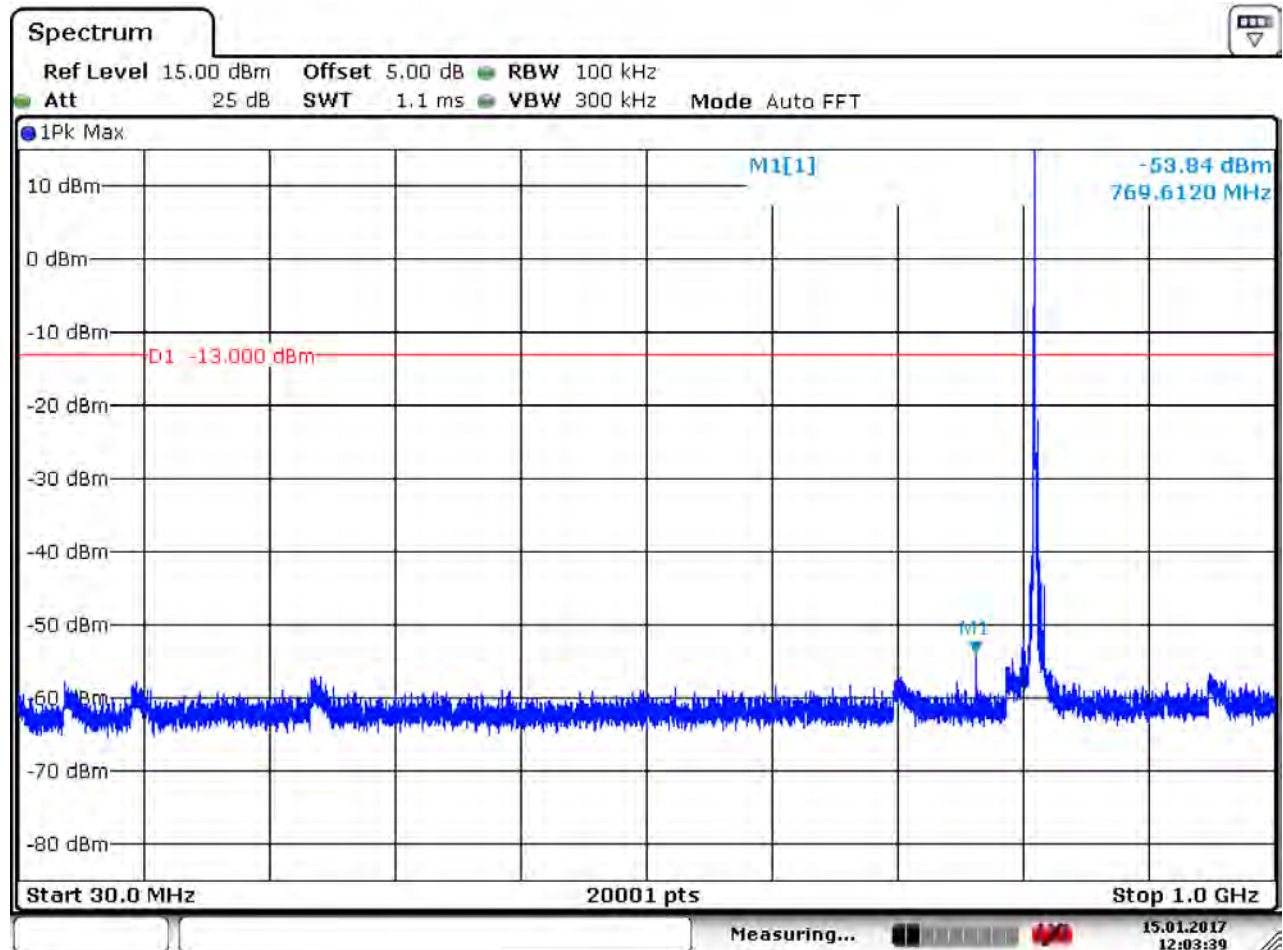


Date: 15.JAN.2017 12:09:08

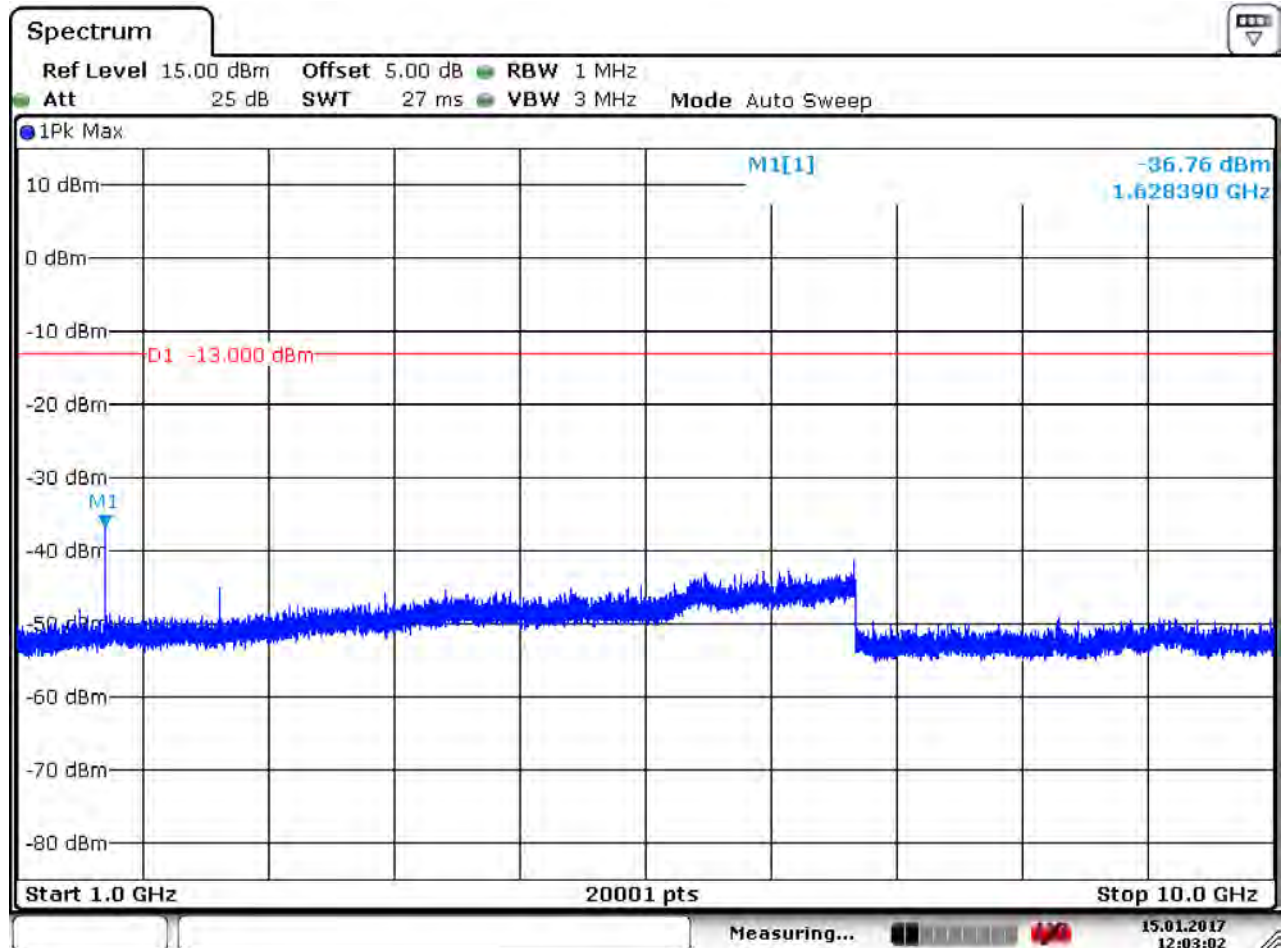


6.1.1.2 Test Mode = LTE / TM1 3MHz RB1#0

6.1.1.2.1 Test Channel = LCH



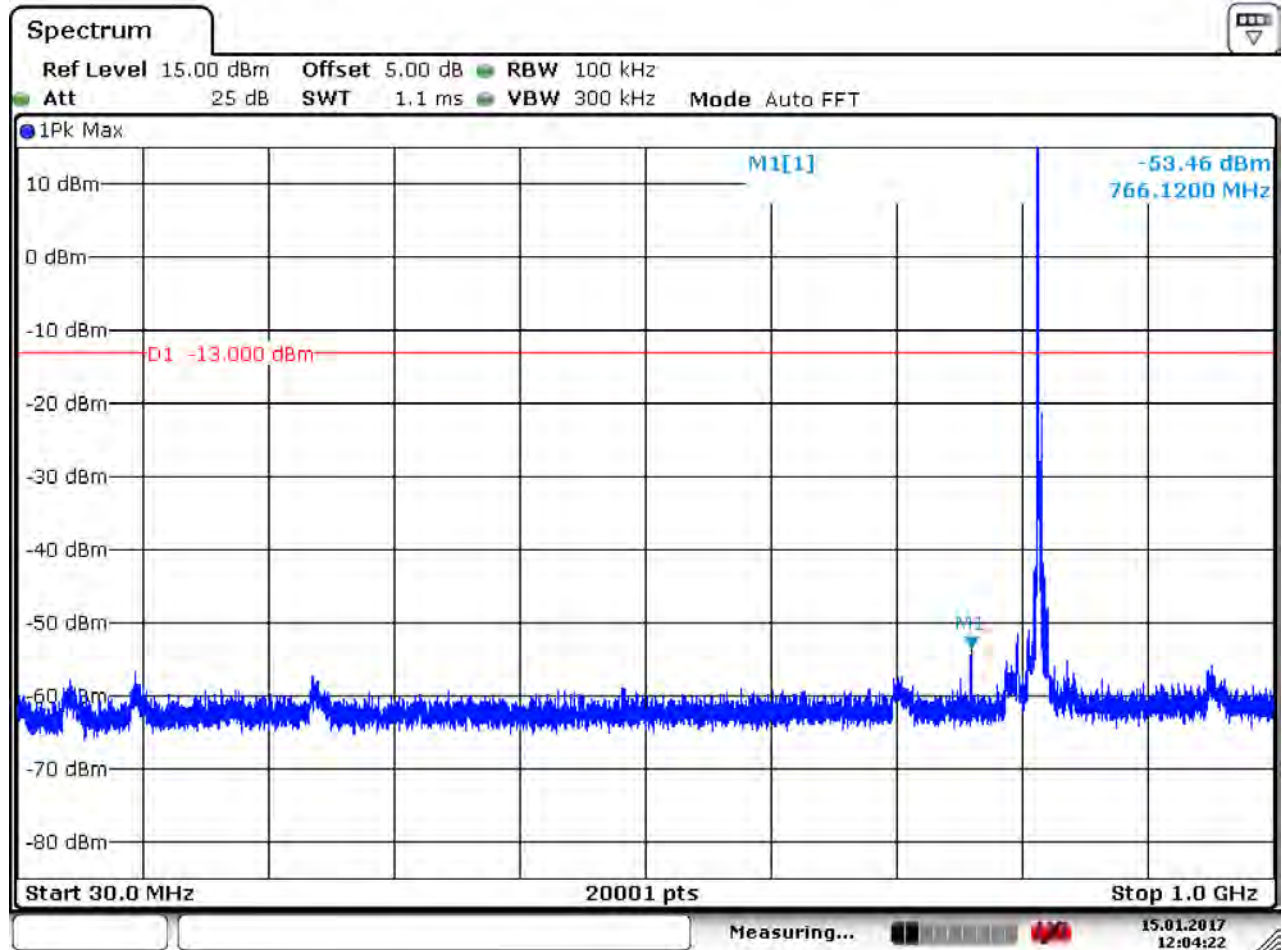
Date: 15.JAN.2017 12:03:39



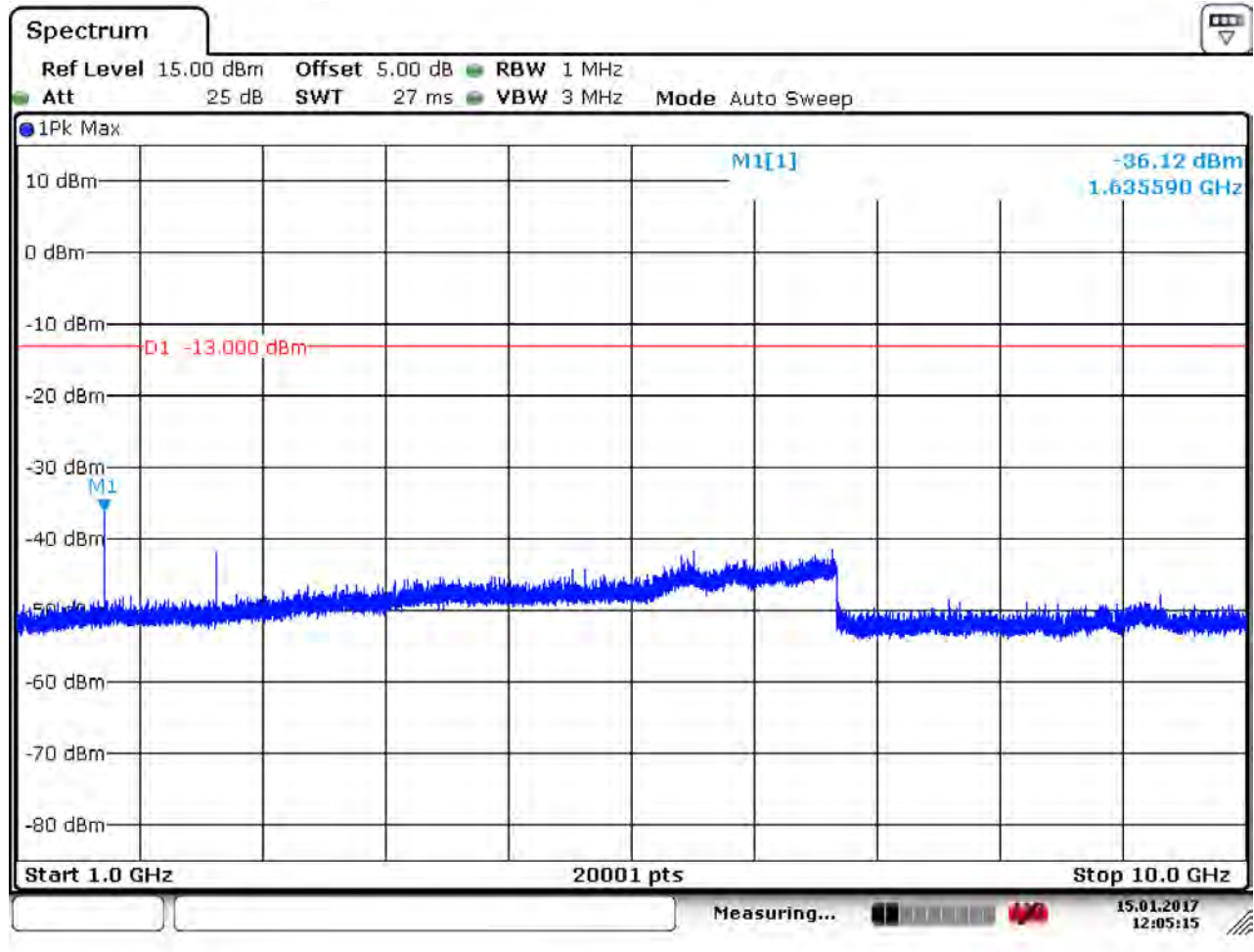
Date: 15.JAN.2017 12:03:03



6.1.1.2.2 Test Channel = MCH



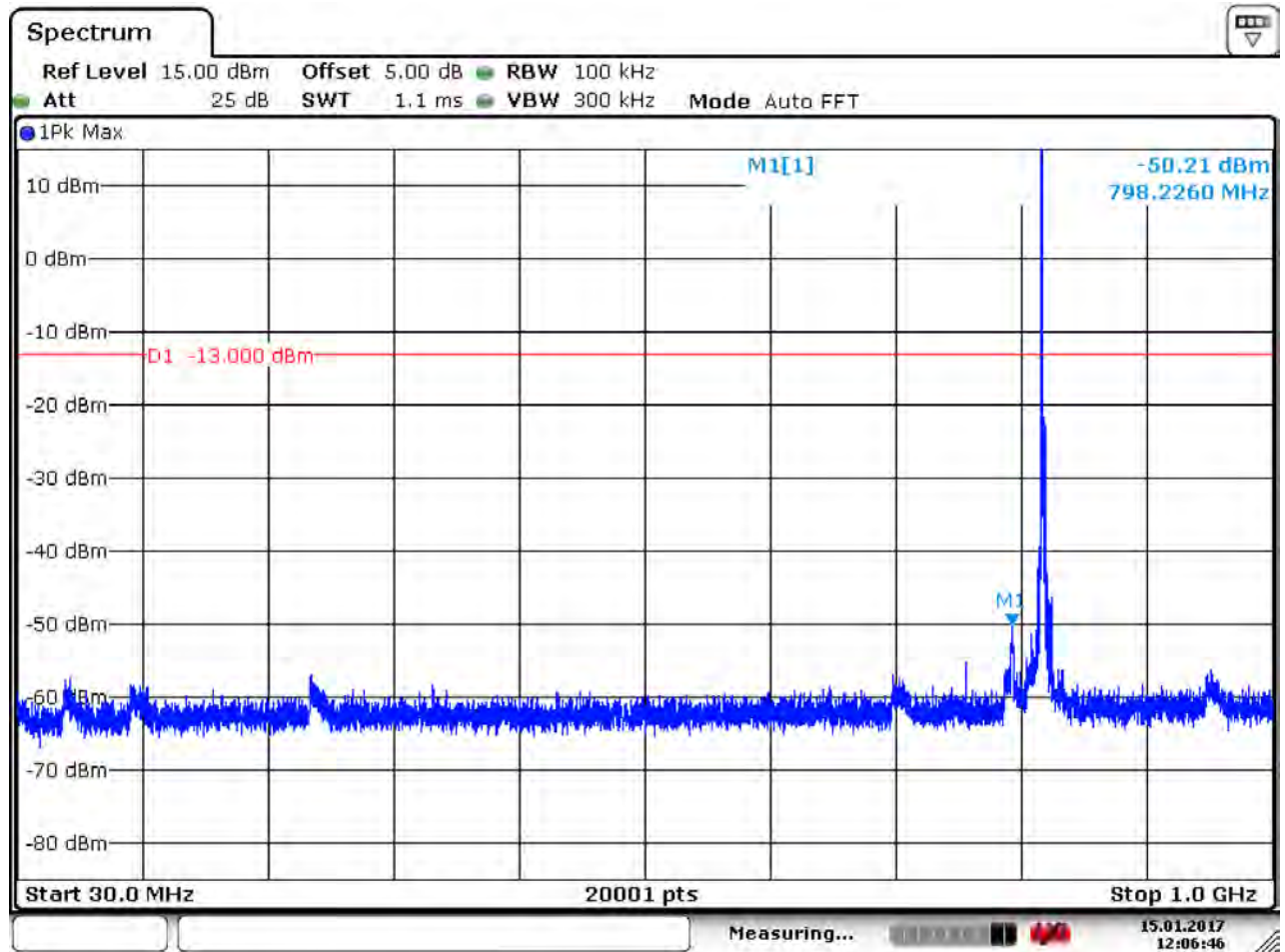
Date: 15.JAN.2017 12:04:22



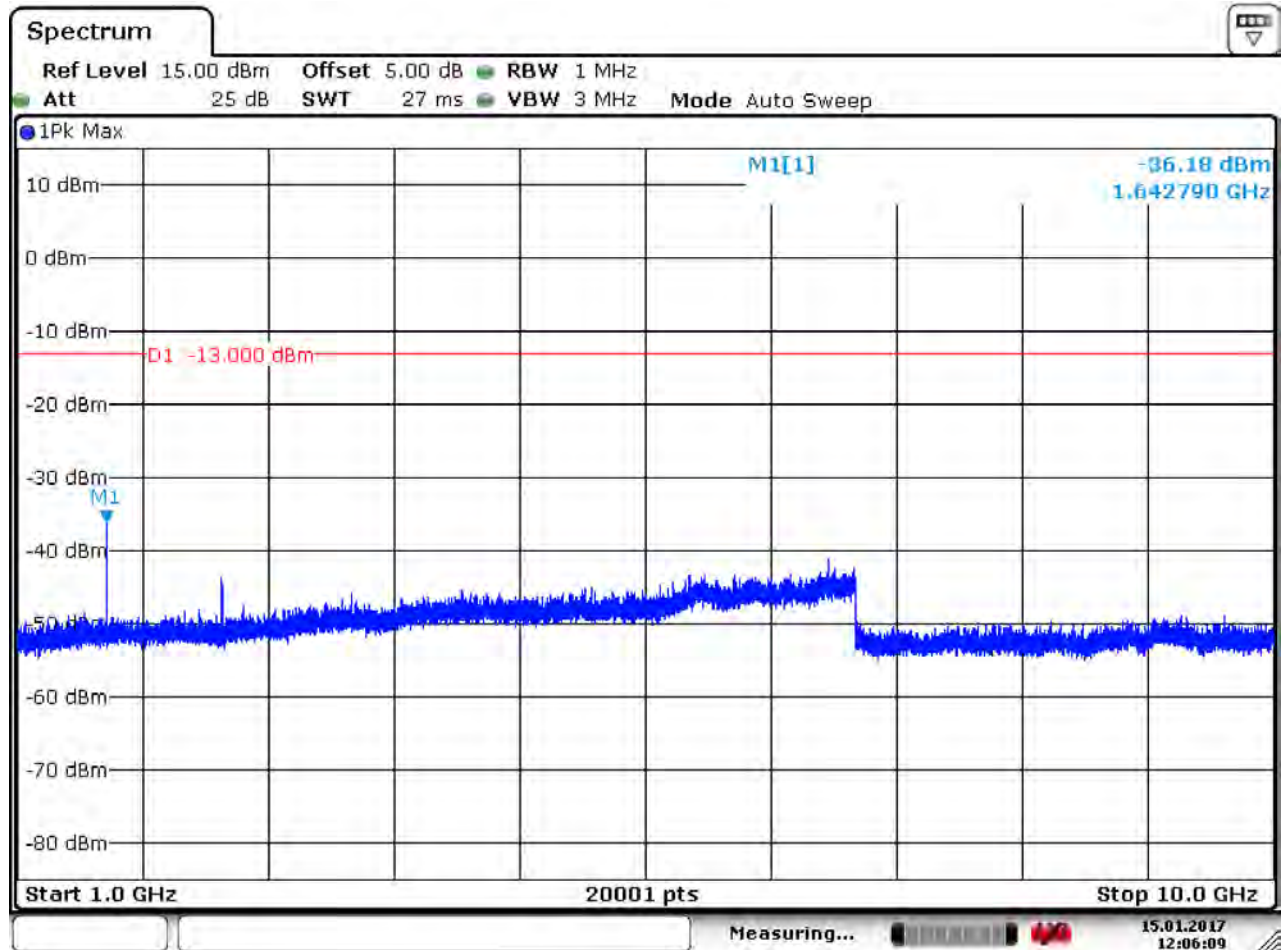
Date: 15.JAN.2017 12:05:15



6.1.1.2.3 Test Channel = HCH



Date: 15.JAN.2017 12:06:46

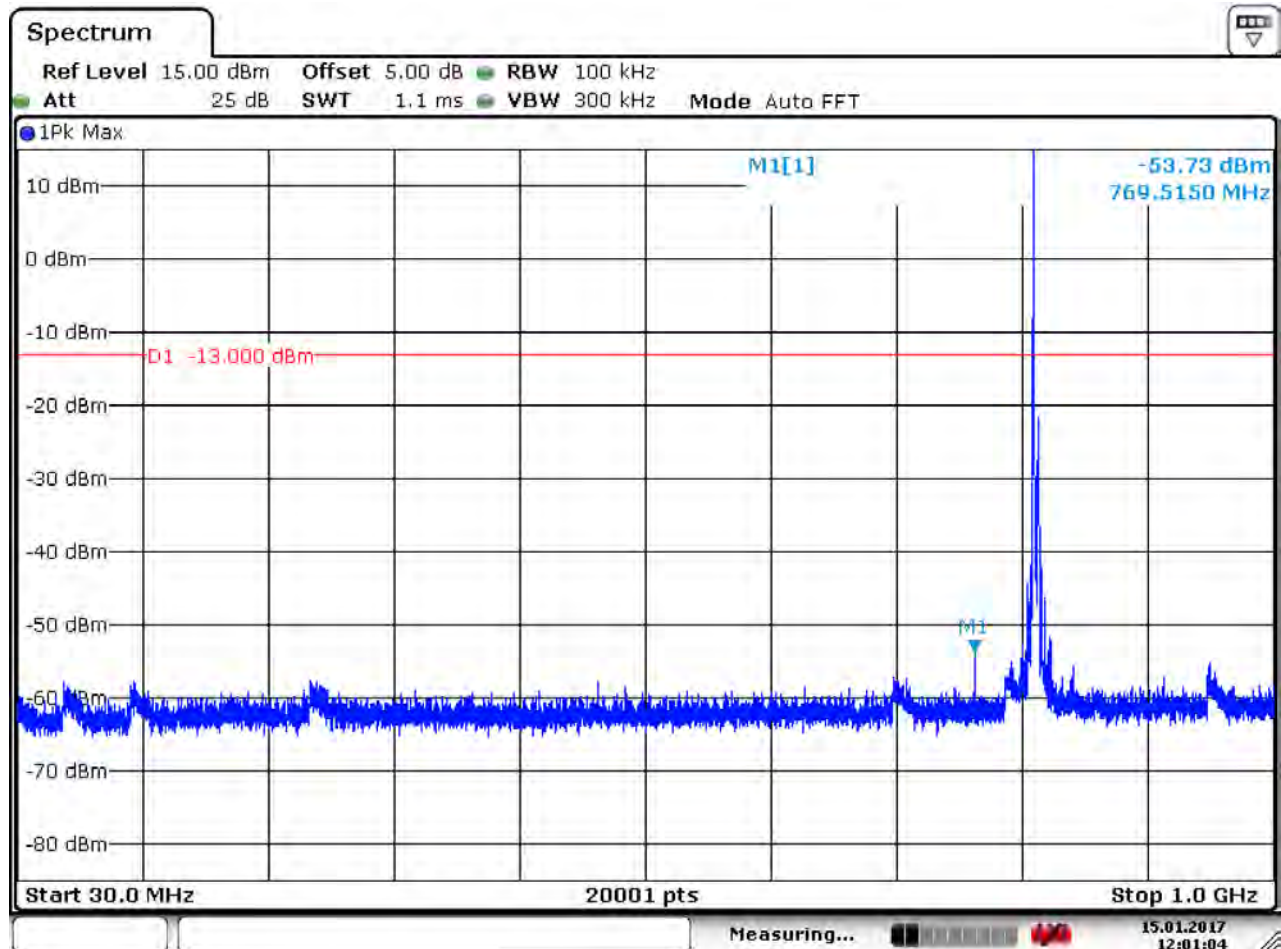


Date: 15.JAN.2017 12:06:10

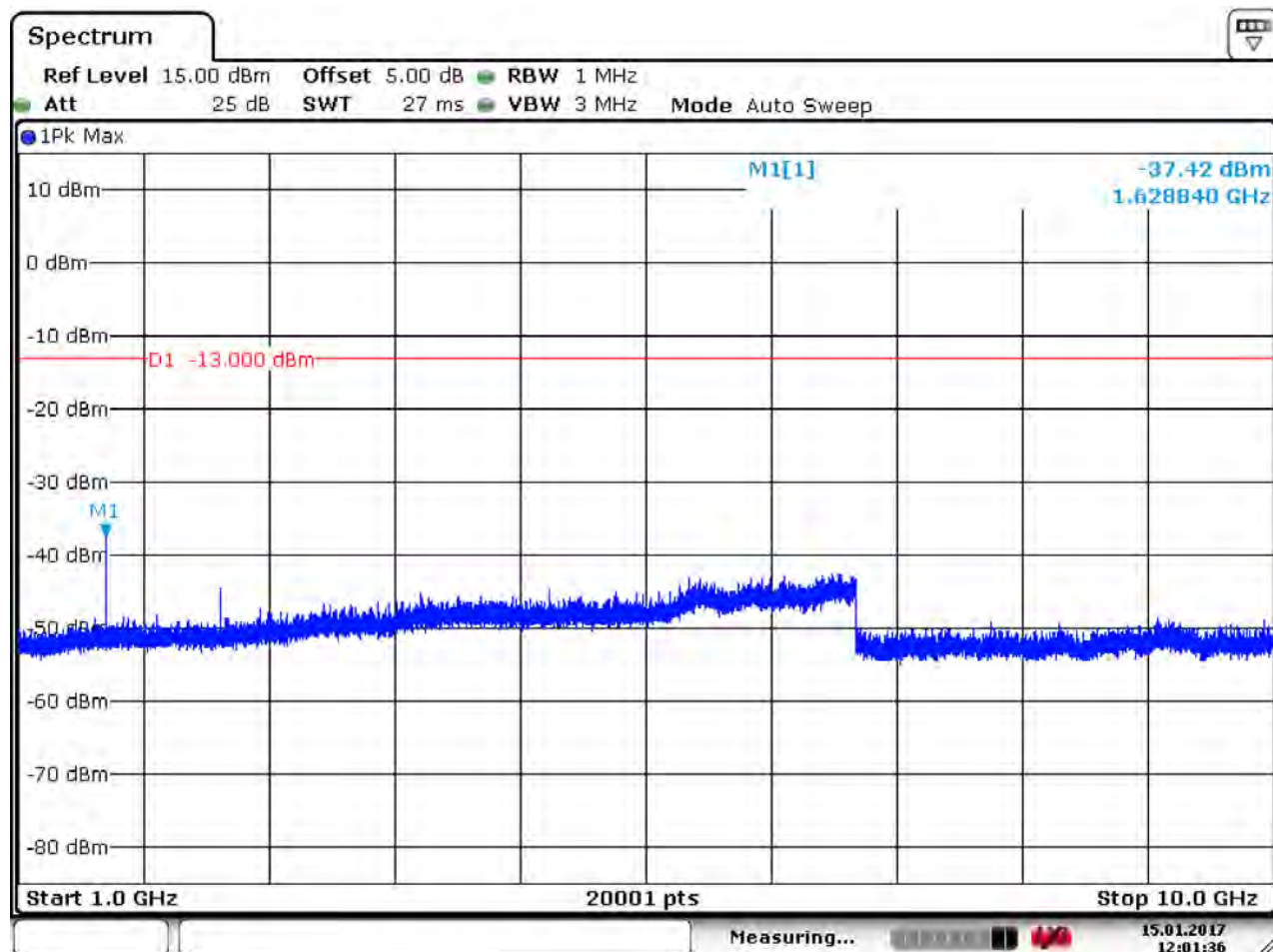


6.1.1.3 Test Mode = LTE / TM1 5MHz RB1#0

6.1.1.3.1 Test Channel = LCH



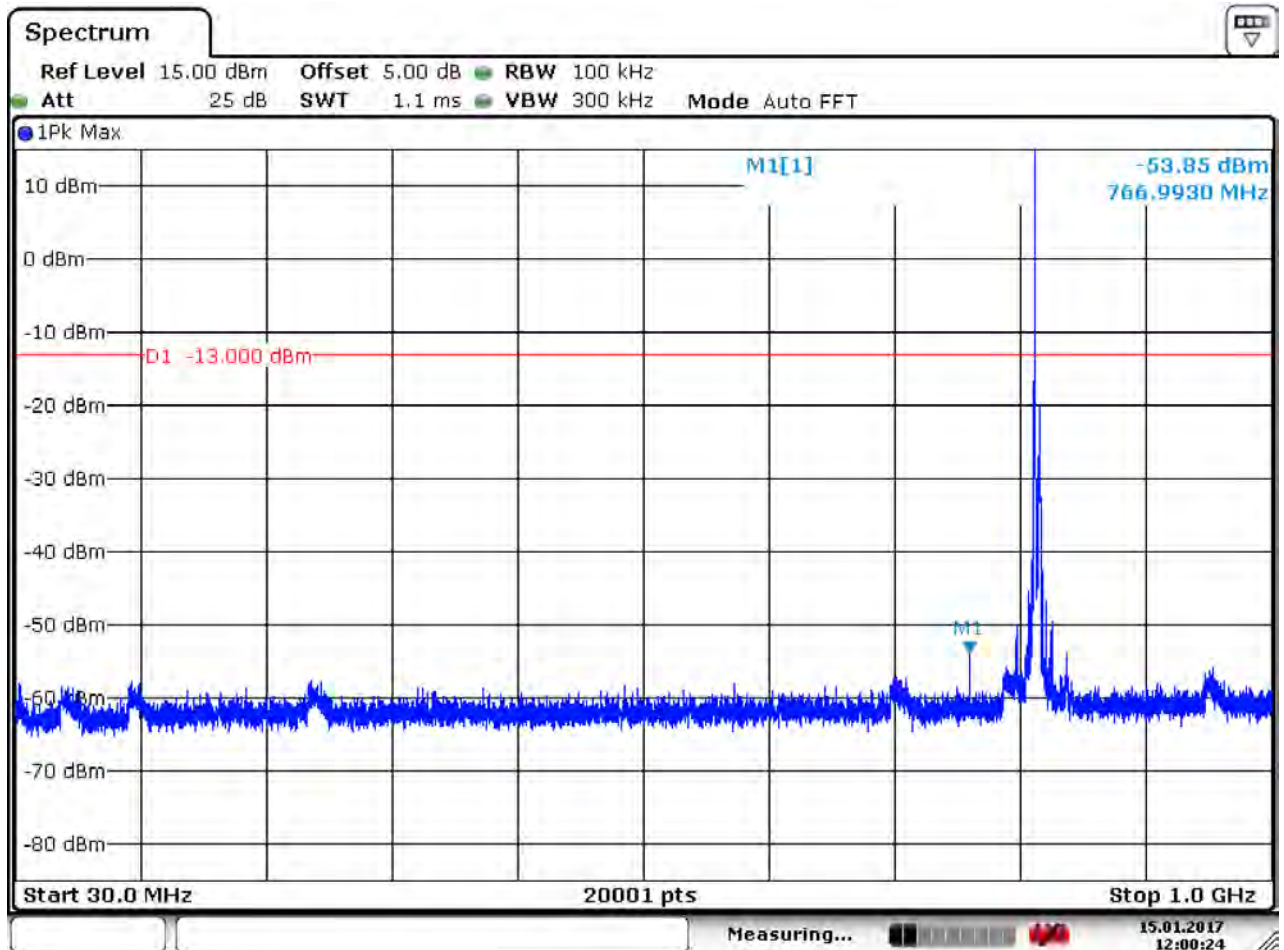
Date: 15.JAN.2017 12:01:04



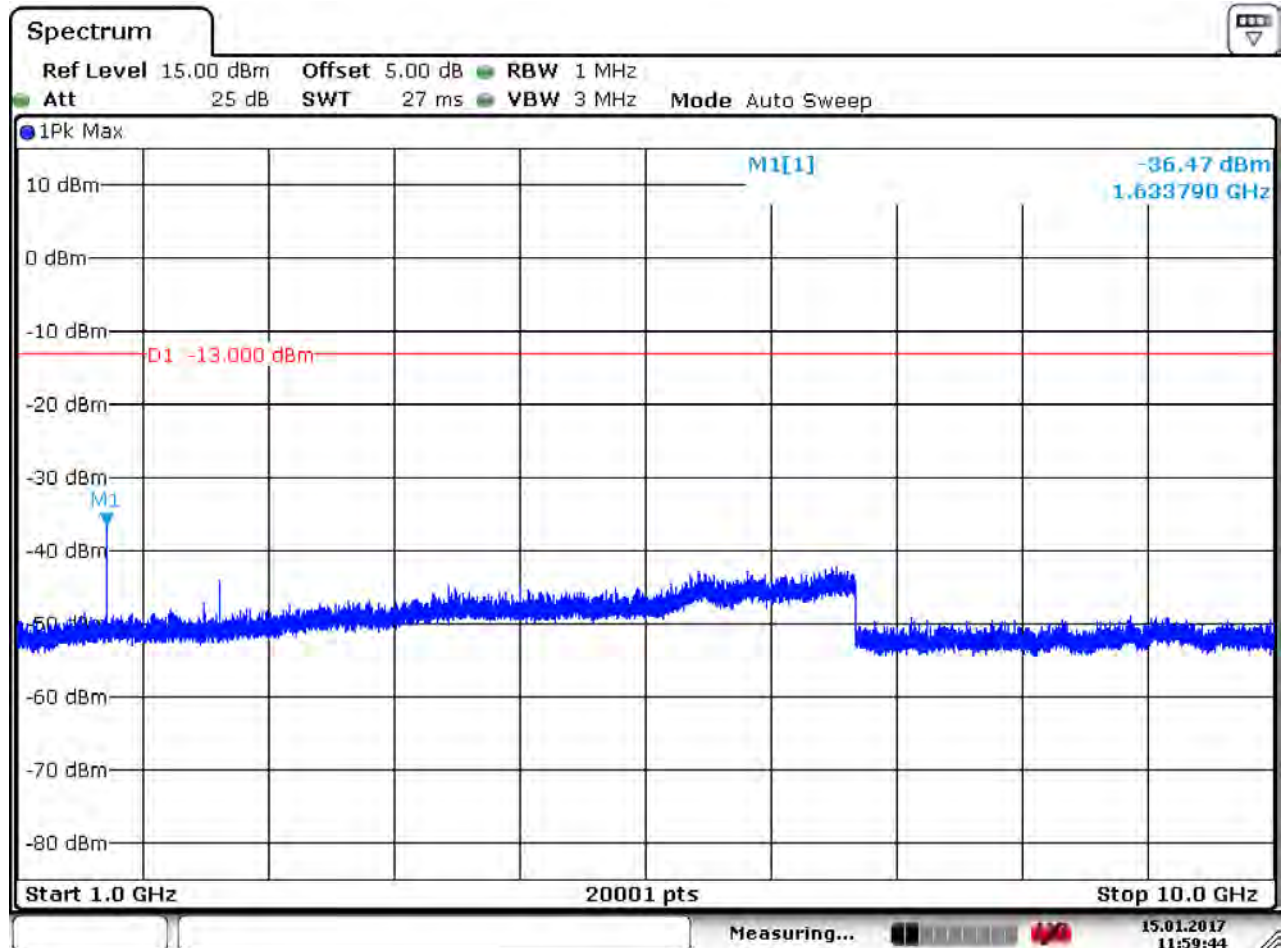
Date: 15.JAN.2017 12:01:36



6.1.1.3.2 Test Channel = MCH



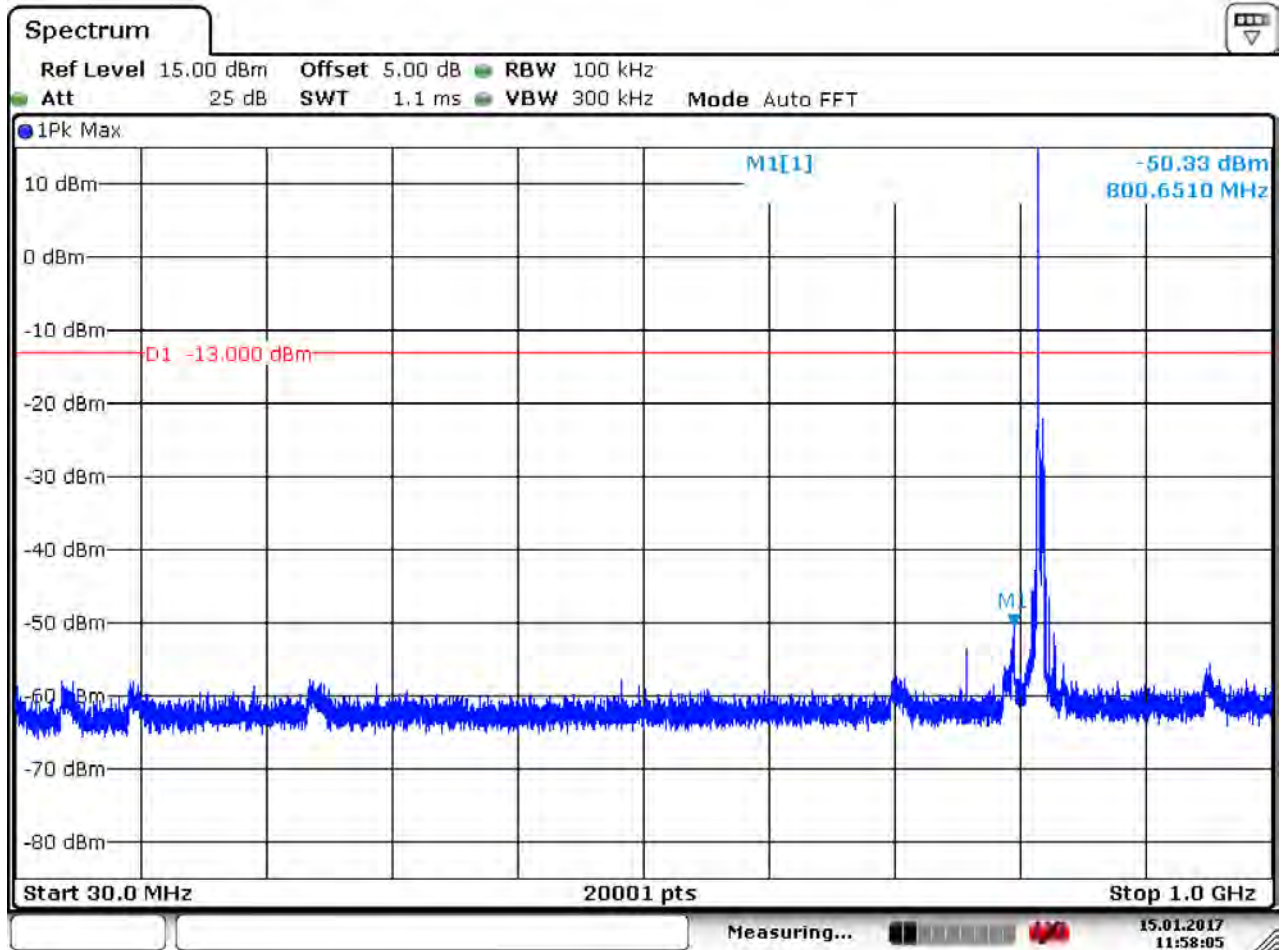
Date: 15.JAN.2017 12:00:24



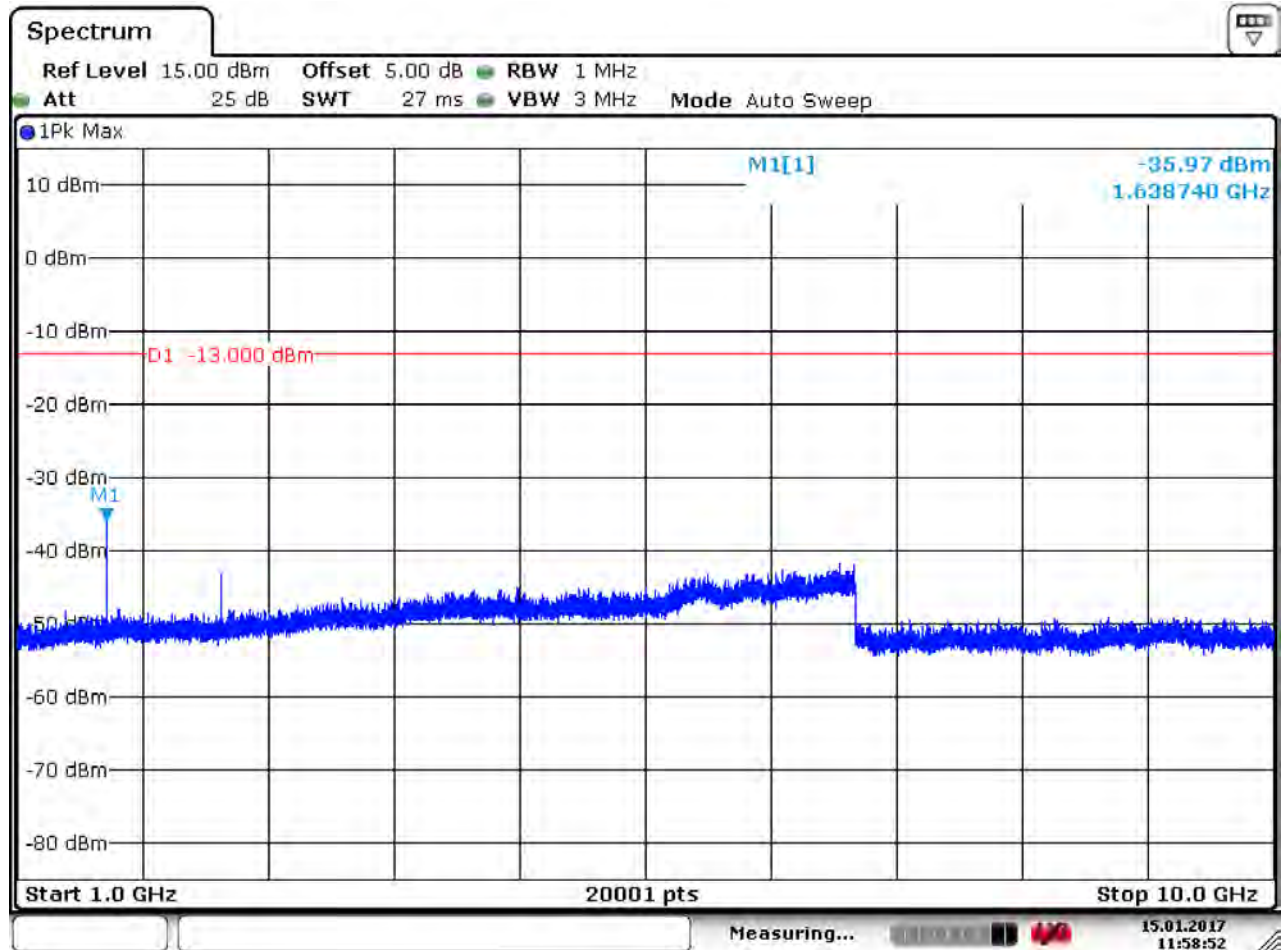
Date: 15.JAN.2017 11:59:45



6.1.1.3.3 Test Channel = HCH



Date: 15.JAN.2017 11:58:05

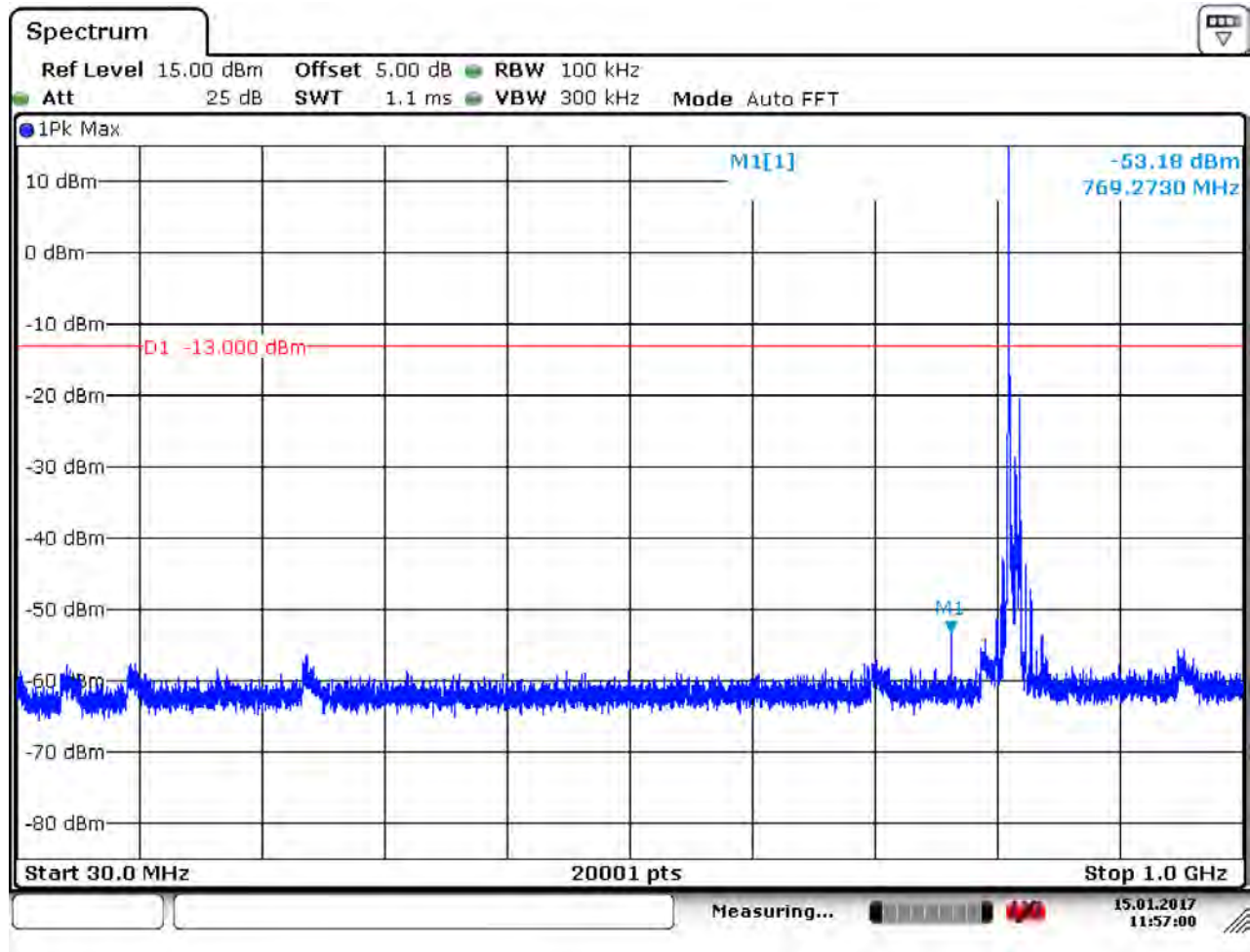


Date: 15.JAN.2017 11:58:53

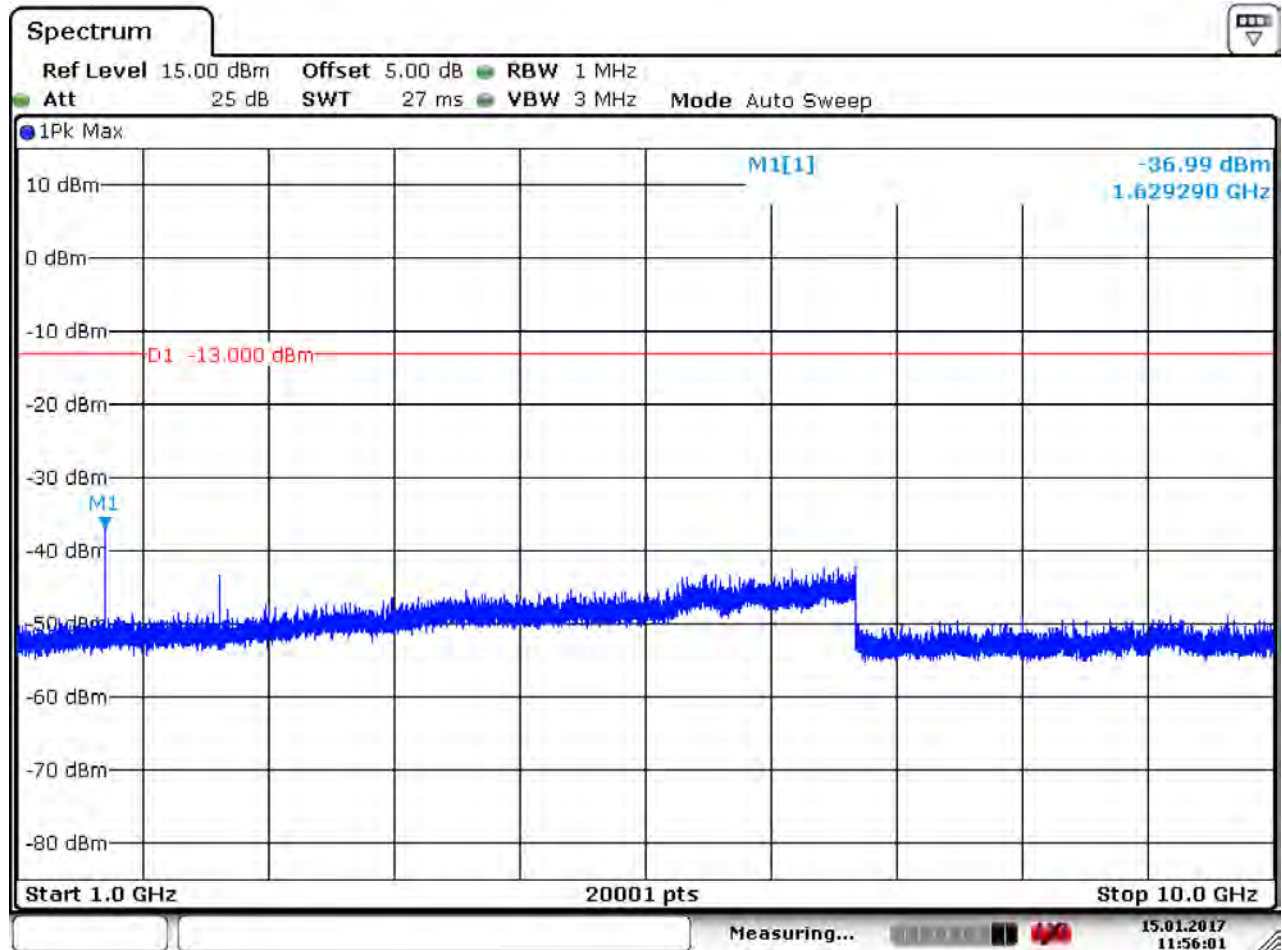


6.1.1.4 Test Mode = LTE / TM1 10MHz RB1#0

6.1.1.4.1 Test Channel = MCH



Date: 15.JAN.2017 11:57:00



Date: 15.JAN.2017 11:56:01



7 Field Strength of Spurious Radiation

7.1 For LTE

7.1.1 Test Band = LTE 26(814-824)

7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1903.000	-59.18	-13.00	-46.18	Vertical
2320.000	-59.61	-13.00	-46.61	Vertical
4657.500	-68.03	-13.00	-55.03	Vertical
1837.000	-63.13	-13.00	-50.13	Horizontal
2488.000	-59.08	-13.00	-46.08	Horizontal
3390.000	-70.45	-13.00	-57.45	Horizontal

7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1434.000	-66.54	-13.00	-53.54	Vertical
2652.000	-57.22	-13.00	-44.22	Vertical
4930.000	-67.17	-13.00	-54.17	Vertical
1958.500	-63.26	-13.00	-50.26	Horizontal
3975.000	-68.77	-13.00	-55.77	Horizontal
6540.000	-66.64	-13.00	-53.64	Horizontal

7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
895.000	-65.24	-13.00	-52.24	Vertical
1752.000	-58.72	-13.00	-45.72	Vertical
5145.000	-67.43	-13.00	-54.43	Vertical
2616.000	-58.55	-13.00	-45.55	Horizontal
4267.500	-66.63	-13.00	-53.63	Horizontal
7310.000	-66.57	-13.00	-53.57	Horizontal

NOTE:

- 1) All modes are tested, but the data presented above is the worst case. The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



8 Frequency Stability

8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE Band 26 (814-824)	LTE/TM1 10MHz	MCH	TN	VL	-1.12	-0.00137	PASS
				VN	6.38	0.00779	PASS
				VH	-4.03	-0.00493	PASS
	LTE/TM2 10MHz	MCH	TN	VL	2.78	0.00340	PASS
				VN	5.11	0.00624	PASS
				VH	-0.73	-0.00089	PASS
	LTE/TM3 10MHz	MCH	TN	VL	0.73	0.00090	PASS
				VN	-2.44	-0.00298	PASS
				VH	3.49	0.00426	PASS



8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE band26 (814-824)	LTE/TM1 10MHz	MCH	VN	-30	-0.71	-0.00087	PASS
				-20	-5.18	-0.00633	PASS
				-10	-6.46	-0.00789	PASS
				0	-6.34	-0.00774	PASS
				10	-0.41	-0.00051	PASS
				20	5.93	0.00724	PASS
				30	0.85	0.00104	PASS
				40	-5.52	-0.00674	PASS
				50	-1.22	-0.00149	PASS
	LTE/TM2 10MHz	MCH	VN	-30	-6.12	-0.00747	PASS
				-20	3.38	0.00413	PASS
				-10	2.38	0.00291	PASS
				0	4.02	0.00491	PASS
				10	0.56	0.00068	PASS
				20	-1.86	-0.00227	PASS
				30	1.80	0.00219	PASS
				40	5.66	0.00691	PASS
				50	0.03	0.00004	PASS
	LTE/TM3 10MHz	MCH	VN	-30	-1.50	-0.00183	PASS
				-20	-3.18	-0.00389	PASS
				-10	-3.76	-0.00459	PASS
				0	-4.88	-0.00596	PASS
				10	-0.48	-0.00058	PASS
				20	5.05	0.00616	PASS
				30	2.93	0.00358	PASS
				40	6.67	0.00814	PASS
				50	5.32	0.00649	PASS

The End