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Appendix B

Test Data for SZEM170700703401

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1 Effective (Isotropic) Radiated Power Output Data

Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE BAND 2

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.87	22.87	33.00	PASS
				RB1#2	22.96	22.96	33.00	PASS
				RB1#5	22.86	22.86	33.00	PASS
			LCH	RB3#0	21.95	21.95	33.00	PASS
				RB3#2	21.94	21.94	33.00	PASS
				RB3#3	21.92	21.92	33.00	PASS
				RB6#0	21.98	21.98	33.00	PASS
				RB1#0	22.87	22.87	33.00	PASS
		1.4M		RB1#2	22.97	22.97	33.00	PASS
			МСН	RB1#5	22.90	22.90	33.00	PASS
BAND2	LTE/TM1			RB3#0	21.97	21.97	33.00	PASS
				RB3#2	21.93	21.93	33.00	PASS
				RB3#3	21.95	21.95	33.00	PASS
				RB6#0	21.97	21.97	33.00	PASS
				RB1#0	22.85	22.85	33.00	PASS
				RB1#2	22.94	22.94	33.00	PASS
				RB1#5	22.84	22.84	33.00	PASS
			НСН	RB3#0	21.93	21.93	33.00	PASS
				RB3#2	21.91	21.91	33.00	PASS
				RB3#3	21.90	21.90	33.00	PASS
				RB6#0	21.98	21.98	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.08	22.08	33.00	PASS
				RB1#2	22.17	22.17	33.00	PASS
				RB1#5	22.09	22.09	33.00	PASS
			LCH	RB3#0	21.93	21.93	33.00	PASS
				RB3#2	21.89	21.89	33.00	PASS
				RB3#3	21.91	21.91	33.00	PASS
				RB6#0	20.99	20.99	33.00	PASS
		1.4M		RB1#0	22.08	22.08	33.00	PASS
	LTE/TM2			RB1#2	22.18	22.18	33.00	PASS
			МСН	RB1#5	22.09	22.09	33.00	PASS
BAND2				RB3#0	21.95	21.95	33.00	PASS
				RB3#2	21.92	21.92	33.00	PASS
				RB3#3	21.95	21.95	33.00	PASS
				RB6#0	21.01	21.01	33.00	PASS
				RB1#0	22.01	22.01	33.00	PASS
				RB1#2	22.11	22.11	33.00	PASS
				RB1#5	22.00	22.00	33.00	PASS
			НСН	RB3#0	21.90	21.90	33.00	PASS
				RB3#2	21.87	21.87	33.00	PASS
				RB3#3	21.89	21.89	33.00	PASS
				RB6#0	20.95	20.95	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.88	22.88	33.00	PASS
				RB1#7	22.89	22.89	33.00	PASS
				RB1#14	22.83	22.83	33.00	PASS
			LCH	RB8#0	21.97	21.97	33.00	PASS
				RB8#4	21.95	21.95	33.00	PASS
				RB8#7	21.94	21.94	33.00	PASS
				RB15#0	21.96	21.96	33.00	PASS
	LTE/TM1	ЗМ		RB1#0	22.84	22.84	33.00	PASS
				RB1#7	22.89	22.89	33.00	PASS
			МСН	RB1#14	22.83	22.83	33.00	PASS
BAND2				RB8#0	21.99	21.99	33.00	PASS
				RB8#4	21.94	21.94	33.00	PASS
				RB8#7	21.96	21.96	33.00	PASS
				RB15#0	21.97	21.97	33.00	PASS
				RB1#0	22.83	22.83	33.00	PASS
				RB1#7	22.85	22.85	33.00	PASS
				RB1#14	22.80	22.80	33.00	PASS
			НСН	RB8#0	21.95	21.95	33.00	PASS
				RB8#4	21.94	21.94	33.00	PASS
				RB8#7	21.93	21.93	33.00	PASS
				RB15#0	21.95	21.95	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	21.98	21.98	33.00	PASS
				RB1#7	22.03	22.03	33.00	PASS
				RB1#14	21.94	21.94	33.00	PASS
			LCH	RB8#0	20.90	20.90	33.00	PASS
				RB8#4	20.89	20.89	33.00	PASS
				RB8#7	20.88	20.88	33.00	PASS
				RB15#0	20.85	20.85	33.00	PASS
	LTE/TM2	ЗМ		RB1#0	21.98	21.98	33.00	PASS
				RB1#7	22.07	22.07	33.00	PASS
			МСН	RB1#14	22.00	22.00	33.00	PASS
BAND2				RB8#0	20.94	20.94	33.00	PASS
				RB8#4	20.90	20.90	33.00	PASS
				RB8#7	20.92	20.92	33.00	PASS
				RB15#0	20.89	20.89	33.00	PASS
				RB1#0	21.98	21.98	33.00	PASS
				RB1#7	21.99	21.99	33.00	PASS
				RB1#14	21.93	21.93	33.00	PASS
			НСН	RB8#0	20.86	20.86	33.00	PASS
				RB8#4	20.85	20.85	33.00	PASS
				RB8#7	20.86	20.86	33.00	PASS
				RB15#0	20.82	20.82	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.81	22.81	33.00	PASS
				RB1#13	22.80	22.80	33.00	PASS
				RB1#24	22.70	22.70	33.00	PASS
			LCH	RB12#0	21.89	21.89	33.00	PASS
				RB12#6	21.87	21.87	33.00	PASS
				RB12#13	21.84	21.84	33.00	PASS
	LTE/TM1	5M		RB25#0	21.85	21.85	33.00	PASS
				RB1#0	22.82	22.82	33.00	PASS
				RB1#13	22.82	22.82	33.00	PASS
			МСН	RB1#24	22.72	22.72	33.00	PASS
BAND2				RB12#0	21.91	21.91	33.00	PASS
				RB12#6	21.87	21.87	33.00	PASS
				RB12#13	21.88	21.88	33.00	PASS
				RB25#0	21.85	21.85	33.00	PASS
				RB1#0	22.78	22.78	33.00	PASS
				RB1#13	22.78	22.78	33.00	PASS
				RB1#24	22.69	22.69	33.00	PASS
			НСН	RB12#0	21.87	21.87	33.00	PASS
				RB12#6	21.86	21.86	33.00	PASS
				RB12#13	21.83	21.83	33.00	PASS
				RB25#0	21.84	21.84	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.13	22.13	33.00	PASS
				RB1#13	22.12	22.12	33.00	PASS
				RB1#24	22.04	22.04	33.00	PASS
			LCH	RB12#0	20.96	20.96	33.00	PASS
				RB12#6	20.94	20.94	33.00	PASS
				RB12#13	20.90	20.90	33.00	PASS
	LTE/TM2			RB25#0	20.91	20.91	33.00	PASS
		5M		RB1#0	22.15	22.15	33.00	PASS
				RB1#13	22.13	22.13	33.00	PASS
			МСН	RB1#24	22.04	22.04	33.00	PASS
BAND2				RB12#0	20.96	20.96	33.00	PASS
				RB12#6	20.92	20.92	33.00	PASS
				RB12#13	20.93	20.93	33.00	PASS
				RB25#0	20.89	20.89	33.00	PASS
				RB1#0	22.08	22.08	33.00	PASS
				RB1#13	22.04	22.04	33.00	PASS
				RB1#24	21.97	21.97	33.00	PASS
			НСН	RB12#0	20.88	20.88	33.00	PASS
				RB12#6	20.89	20.89	33.00	PASS
				RB12#13	20.86	20.86	33.00	PASS
				RB25#0	20.86	20.86	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.83	22.83	33.00	PASS
				RB1#25	22.75	22.75	33.00	PASS
				RB1#49	22.72	22.72	33.00	PASS
			LCH	RB25#0	21.82	21.82	33.00	PASS
				RB25#13	21.79	21.79	33.00	PASS
				RB25#25	21.77	21.77	33.00	PASS
				RB50#0	21.84	21.84	33.00	PASS
	LTE/TM1	10M		RB1#0	22.79	22.79	33.00	PASS
				RB1#25	22.74	22.74	33.00	PASS
			МСН	RB1#49	22.71	22.71	33.00	PASS
BAND2				RB25#0	21.82	21.82	33.00	PASS
				RB25#13	21.79	21.79	33.00	PASS
				RB25#25	21.77	21.77	33.00	PASS
				RB50#0	21.81	21.81	33.00	PASS
				RB1#0	22.75	22.75	33.00	PASS
				RB1#25	22.71	22.71	33.00	PASS
				RB1#49	22.66	22.66	33.00	PASS
			НСН	RB25#0	21.80	21.80	33.00	PASS
				RB25#13	21.78	21.78	33.00	PASS
				RB25#25	21.75	21.75	33.00	PASS
				RB50#0	21.79	21.79	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.08	22.08	33.00	PASS
				RB1#25	21.99	21.99	33.00	PASS
				RB1#49	21.99	21.99	33.00	PASS
			LCH	RB25#0	20.82	20.82	33.00	PASS
				RB25#13	20.79	20.79	33.00	PASS
				RB25#25	20.79	20.79	33.00	PASS
				RB50#0	20.82	20.82	33.00	PASS
	LTE/TM2	10M		RB1#0	22.05	22.05	33.00	PASS
				RB1#25	21.98	21.98	33.00	PASS
			МСН	RB1#49	21.94	21.94	33.00	PASS
BAND2				RB25#0	20.83	20.83	33.00	PASS
				RB25#13	20.81	20.81	33.00	PASS
				RB25#25	20.78	20.78	33.00	PASS
				RB50#0	20.81	20.81	33.00	PASS
				RB1#0	21.99	21.99	33.00	PASS
				RB1#25	21.95	21.95	33.00	PASS
				RB1#49	21.89	21.89	33.00	PASS
			НСН	RB25#0	20.80	20.80	33.00	PASS
				RB25#13	20.78	20.78	33.00	PASS
				RB25#25	20.75	20.75	33.00	PASS
				RB50#0	20.79	20.79	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.90	22.90	33.00	PASS
				RB1#38	22.82	22.82	33.00	PASS
				RB1#74	22.78	22.78	33.00	PASS
			LCH	RB36#0	21.93	21.93	33.00	PASS
				RB36#18	21.87	21.87	33.00	PASS
				RB36#39	21.84	21.84	33.00	PASS
				RB75#0	21.88	21.88	33.00	PASS
		15M		RB1#0	22.88	22.88	33.00	PASS
				RB1#38	22.81	22.81	33.00	PASS
			МСН	RB1#74	22.80	22.80	33.00	PASS
BAND2	LTE/TM1			RB36#0	21.92	21.92	33.00	PASS
				RB36#18	21.87	21.87	33.00	PASS
				RB36#39	21.86	21.86	33.00	PASS
				RB75#0	21.88	21.88	33.00	PASS
				RB1#0	22.82	22.82	33.00	PASS
				RB1#38	22.75	22.75	33.00	PASS
				RB1#74	22.73	22.73	33.00	PASS
			HCH	RB36#0	21.88	21.88	33.00	PASS
				RB36#18	21.86	21.86	33.00	PASS
				RB36#39	21.83	21.83	33.00	PASS
				RB75#0	21.86	21.86	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.15	22.15	33.00	PASS
				RB1#38	22.08	22.08	33.00	PASS
				RB1#74	22.04	22.04	33.00	PASS
			LCH	RB36#0	20.93	20.93	33.00	PASS
				RB36#18	20.90	20.90	33.00	PASS
				RB36#39	20.85	20.85	33.00	PASS
	LTE/TM2			RB75#0	20.91	20.91	33.00	PASS
		15M		RB1#0	22.15	22.15	33.00	PASS
				RB1#38	22.06	22.06	33.00	PASS
			МСН	RB1#74	22.08	22.08	33.00	PASS
BAND2				RB36#0	20.93	20.93	33.00	PASS
				RB36#18	20.89	20.89	33.00	PASS
				RB36#39	20.88	20.88	33.00	PASS
				RB75#0	20.89	20.89	33.00	PASS
				RB1#0	22.10	22.10	33.00	PASS
				RB1#38	22.02	22.02	33.00	PASS
				RB1#74	21.98	21.98	33.00	PASS
			HCH	RB36#0	20.85	20.85	33.00	PASS
				RB36#18	20.84	20.84	33.00	PASS
				RB36#39	20.83	20.83	33.00	PASS
				RB75#0	20.82	20.82	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.91	22.91	33.00	PASS
				RB1#50	22.79	22.79	33.00	PASS
				RB1#99	22.83	22.83	33.00	PASS
			LCH	RB50#0	21.78	21.78	33.00	PASS
				RB50#25	21.75	21.75	33.00	PASS
		20M		RB50#50	21.72	21.72	33.00	PASS
				RB100#0	21.75	21.75	33.00	PASS
	LTE/TM1		МСН	RB1#0	22.89	22.89	33.00	PASS
				RB1#50	22.79	22.79	33.00	PASS
				RB1#99	22.86	22.86	33.00	PASS
BAND2				RB50#0	21.81	21.81	33.00	PASS
				RB50#25	21.77	21.77	33.00	PASS
				RB50#50	21.76	21.76	33.00	PASS
				RB100#0	21.77	21.77	33.00	PASS
				RB1#0	22.88	22.88	33.00	PASS
				RB1#50	22.85	22.85	33.00	PASS
				RB1#99	22.78	22.78	33.00	PASS
			НСН	RB50#0	21.82	21.82	33.00	PASS
				RB50#25	21.74	21.74	33.00	PASS
				RB50#50	21.76	21.76	33.00	PASS
				RB100#0	21.77	21.77	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.38	22.38	33.00	PASS
				RB1#50	22.31	22.31	33.00	PASS
				RB1#99	22.23	22.23	33.00	PASS
			LCH	RB50#0	20.84	20.84	33.00	PASS
				RB50#25	20.77	20.77	33.00	PASS
				RB50#50	20.76	20.76	33.00	PASS
				RB100#0	20.84	20.84	33.00	PASS
	LTE/TM2	TE/TM2 20M	МСН	RB1#0	22.23	22.23	33.00	PASS
				RB1#50	22.22	22.22	33.00	PASS
				RB1#99	22.28	22.28	33.00	PASS
BAND2				RB50#0	20.82	20.82	33.00	PASS
				RB50#25	20.83	20.83	33.00	PASS
				RB50#50	20.83	20.83	33.00	PASS
				RB100#0	20.80	20.80	33.00	PASS
				RB1#0	22.21	22.21	33.00	PASS
				RB1#50	22.12	22.12	33.00	PASS
				RB1#99	22.13	22.13	33.00	PASS
			НСН	RB50#0	20.83	20.83	33.00	PASS
				RB50#25	20.82	20.82	33.00	PASS
				RB50#50	20.81	20.81	33.00	PASS
Note:				RB100#0	20.81	20.81	33.00	PASS

Note:

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

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

b: SGP=Signal Generator Level

c: RBW > emission bandwidth, VBW > $3 \times RBW$.

Detector: RMS

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2 Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
		LCH	4.75	13	PASS
	TM1/20M	MCH	4.96	13	PASS
Band 2		НСН	5.04	13	PASS
Band 2	TM2/20M	LCH	5.74	13	PASS
		MCH	5.88	13	PASS
		НСН	5.94	13	PASS

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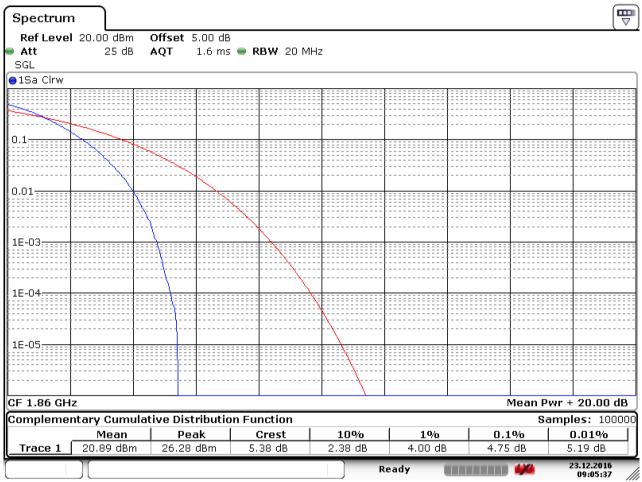
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band2



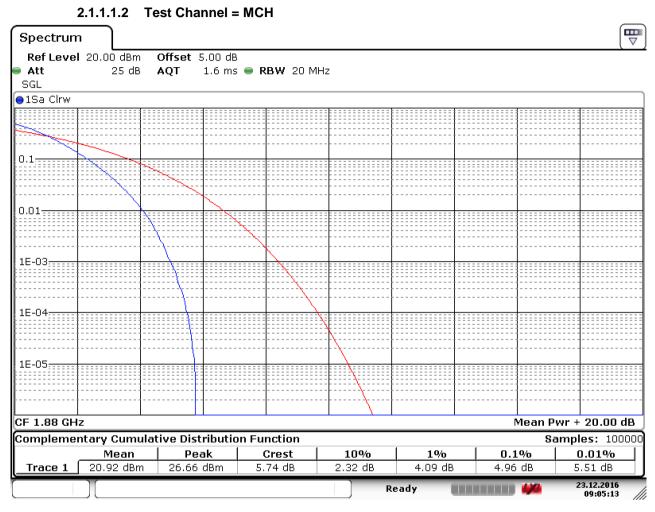
2.1.1.1.1 Test Channel = LCH



Date: 23.DEC.2016 09:05:38



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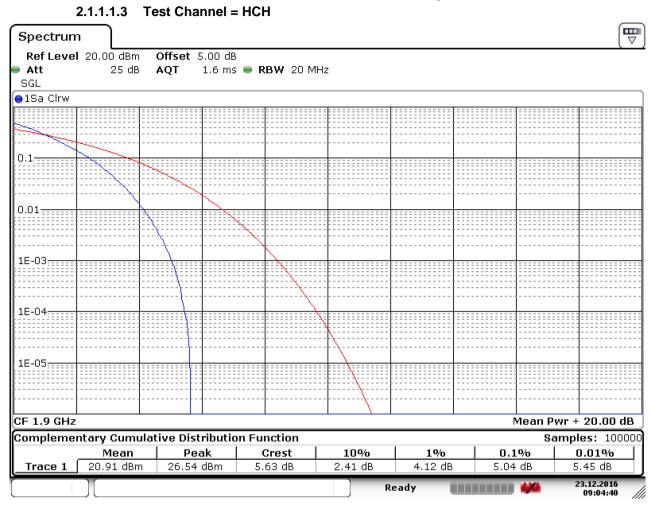


Date: 23.DEC.2016 09:05:14

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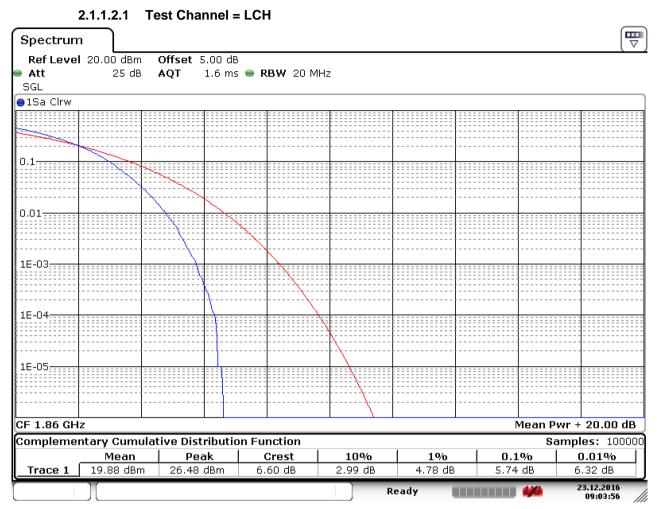


Date: 23.DEC.2016 09:04:40



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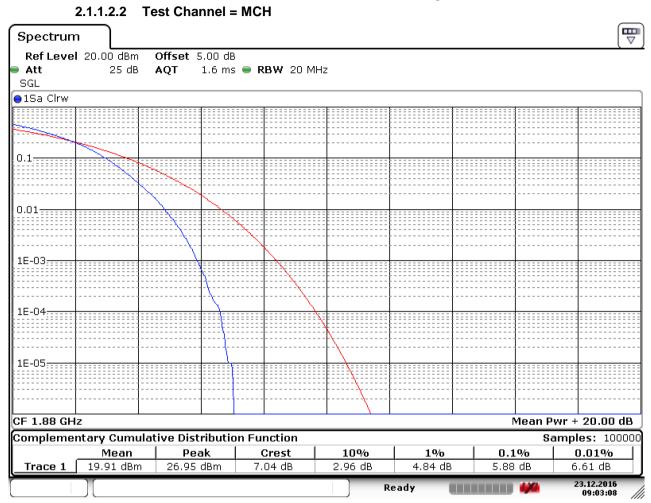
2.1.1.2 Test Mode = LTE/TM2.Bandwidth=20MHz



Date: 23.DEC.2016 09:03:56



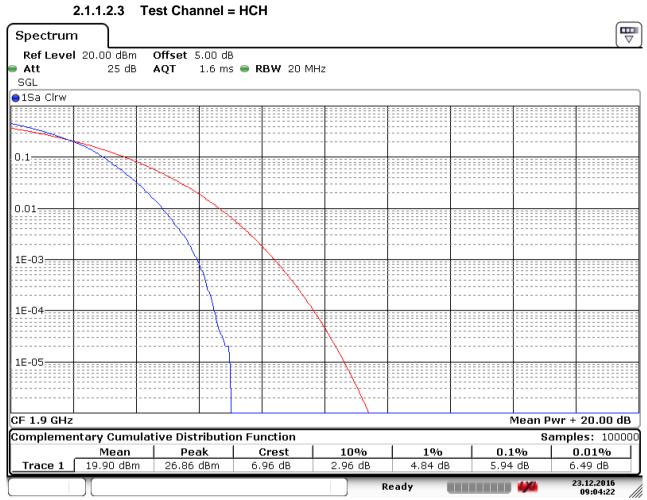
Report No.: SZEM161201085001 Page: 20 of 177



Date: 23.DEC.2016 09:03:08



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Date: 23.DEC.2016 09:04:22



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3 Modulation Characteristics

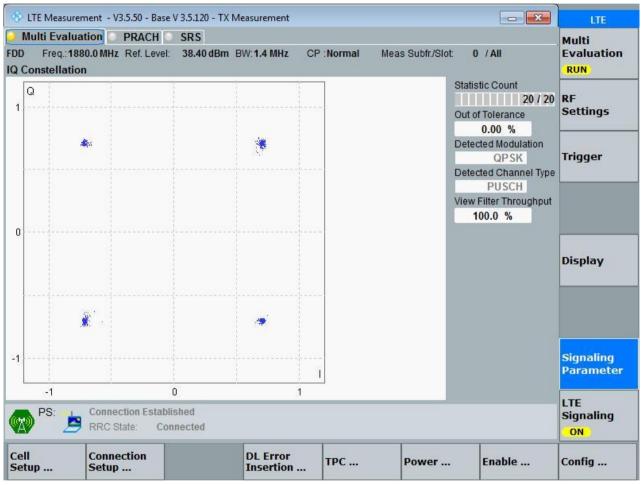
Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = LTE band2

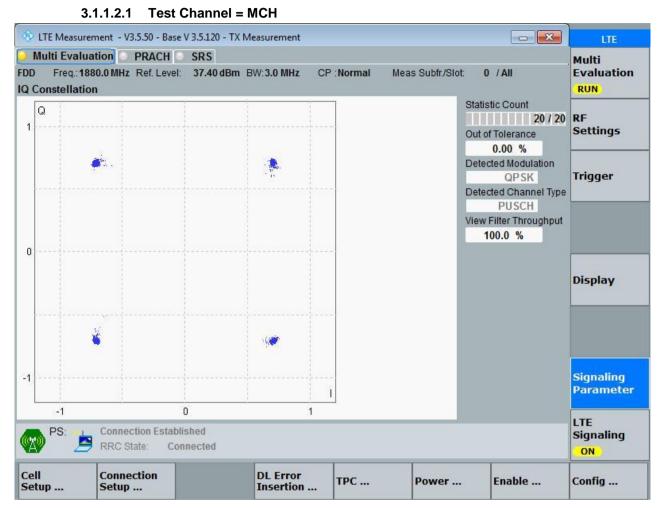
3.1.1.1 Test Mode = LTE /TM1 1.4MHz

3.1.1.1.1 Test Channel = MCH





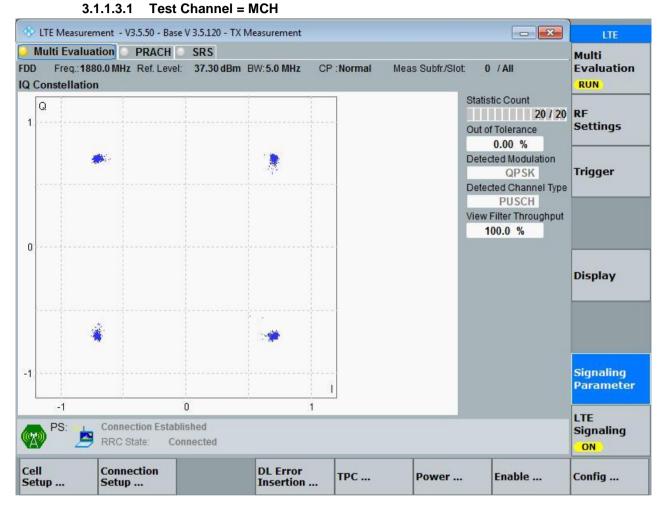
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3.1.1.2 Test Mode = LTE /TM1 3MHz



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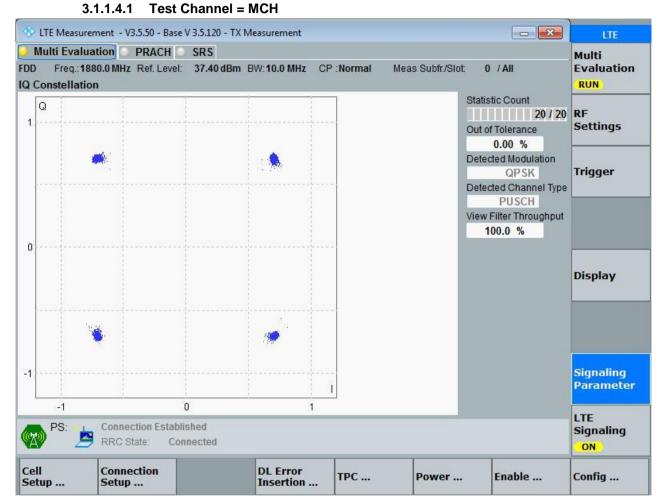


3.1.1.3 Test Mode = LTE /TM1 5MHz

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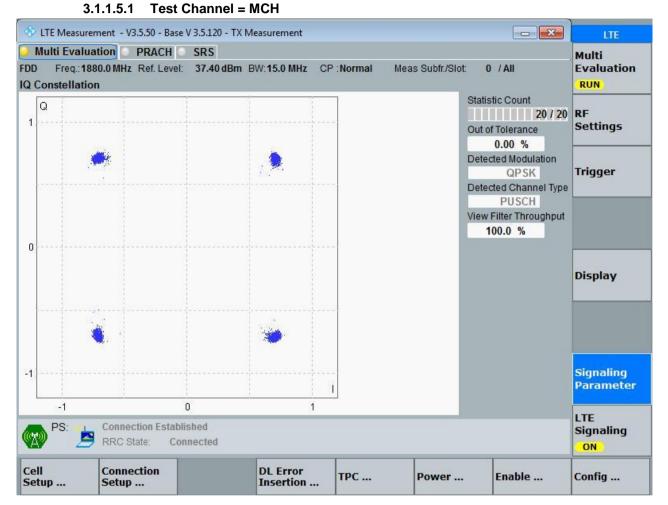
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3.1.1.4 Test Mode = LTE /TM1 10MHz



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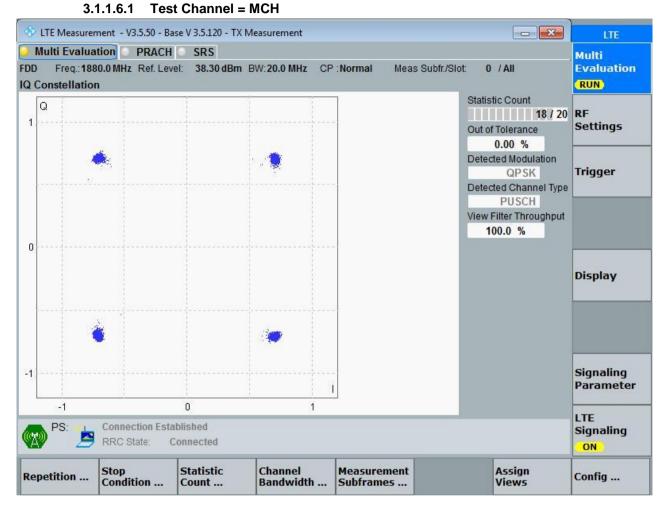


3.1.1.5 Test Mode = LTE /TM1 15MHz

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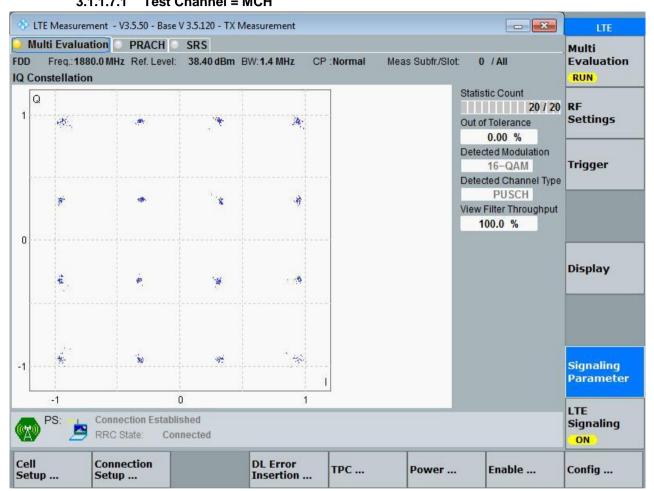


3.1.1.6 Test Mode = LTE /TM1 20MHz

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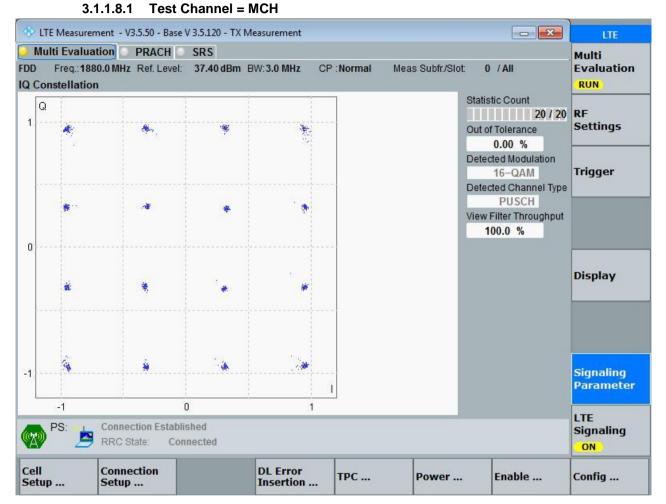
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3.1.1.7 Test Mode = LTE /TM2 1.4MHz 3.1.1.7.1 Test Channel = MCH



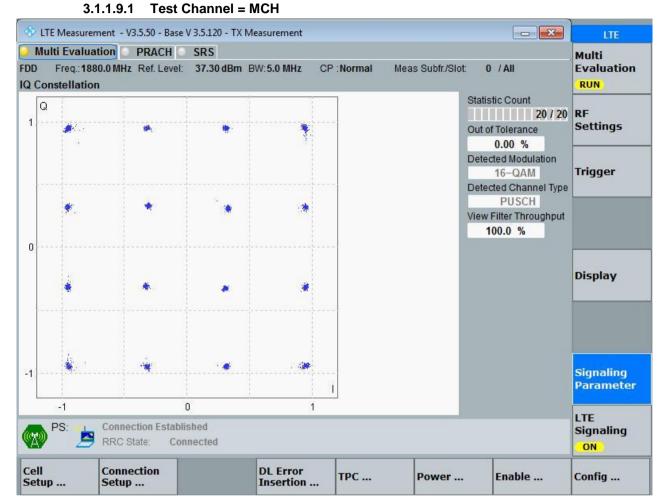
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3.1.1.8 Test Mode = LTE /TM2 3MHz



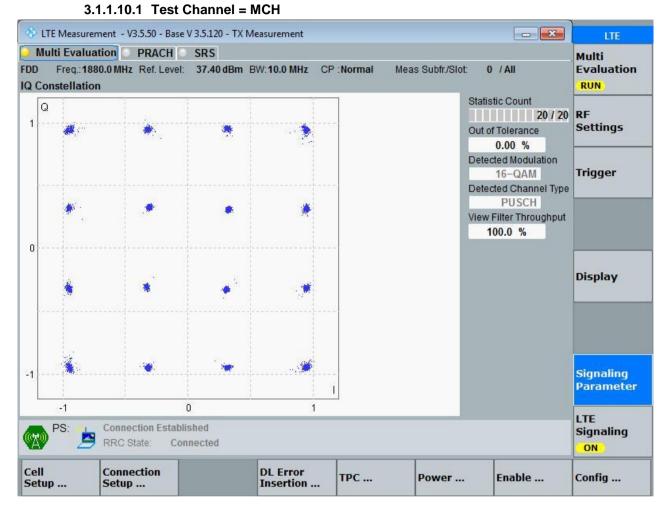
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3.1.1.9 Test Mode = LTE /TM2 5MHz



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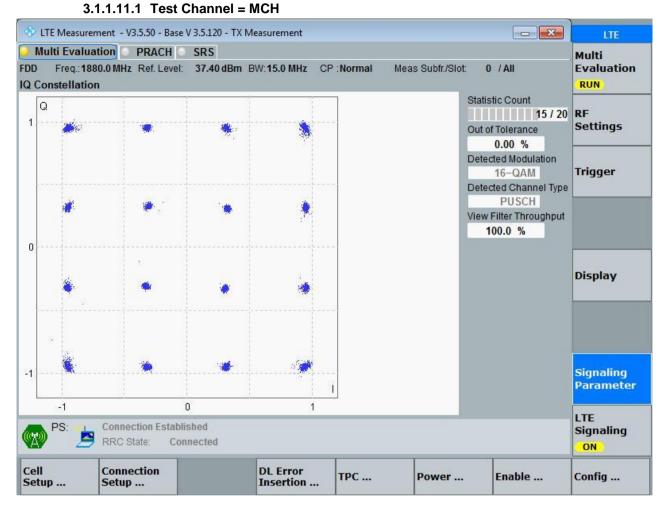


3.1.1.10 Test Mode = LTE /TM2 10MHz

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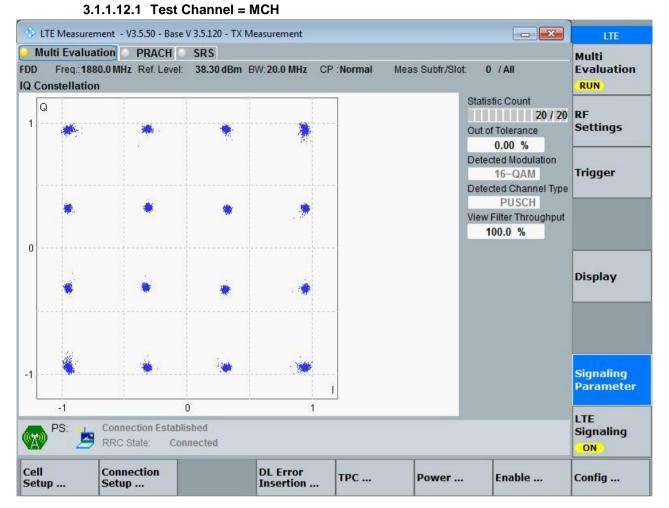
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3.1.1.11 Test Mode = LTE /TM2 15MHz



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3.1.1.12 Test Mode = LTE /TM2 20MHz



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4 Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		LCH	1.10	1.29	PASS
	TM1/1.4MHz	MCH	1.09	1.27	PASS
		HCH	1.10	1.27	PASS
		LCH	1.09	1.27	PASS
	TM2/1.4MHz	MCH	1.10	1.28	PASS
		HCH	1.10	1.28	PASS
		LCH	2.69	2.91	PASS
	TM1/ 3MHz	MCH	2.69	2.91	PASS
		HCH	2.69	2.92	PASS
		LCH	2.69	2.92	PASS
	TM2/3MHz	MCH	2.69	2.93	PASS
		HCH	2.69	2.92	PASS
		LCH	4.50	4.99	PASS
	TM1/ 5MHz	MCH	4.49	4.99	PASS
		HCH	4.49	4.99	PASS
		LCH	4.49	5.00	PASS
Band 2	TM2/ 5MHz	MCH	4.49	4.93	PASS
		HCH	4.49	4.99	PASS
		LCH	8.91	9.65	PASS
	TM1/10MHz	MCH	8.97	9.83	PASS
		HCH	8.95	9.79	PASS
		LCH	8.95	9.69	PASS
	TM2/ 10MHz	MCH	8.93	9.63	PASS
		HCH	8.95	9.77	PASS
		LCH	13.46	14.84	PASS
	TM1/ 15MHz	MCH	13.52	14.96	PASS
		HCH	13.52	15.05	PASS
		LCH	13.46	14.84	PASS
	TM2/ 15MHz	MCH	13.52	14.96	PASS
		HCH	13.55	14.96	PASS
		LCH	17.90	19.38	PASS
	TM1/ 20MHz	MCH	17.94	19.42	PASS
		HCH	18.02	19.70	PASS
		LCH	17.94	19.58	PASS
	TM2/ 20MHz	MCH	17.94	19.50	PASS
		HCH	18.02	19.70	PASS



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4.1 For LTE

4.1.1 Test Band = LTE band2

4.1.1.1 Test Mode = LTE/TM1 1.4MHz

4.1.1.1.1 Test Channel = LCH

Spectrun	n								
Ref Leve Att	1 35.00 dBm 40 dB	Offset SWT	5.00 dB 👄 10 ms 👄	RBW 30 kł VBW 100 kł		Auto FFT			
⊖1Pk View									
30 dBm						1[1] cc Bw			-0.22 dB 29470 MHz 00100 MHz
20 dBm	-D1 15.680 (18 m			M	1[1]		-	10.16 dBm 04670 GHz
10 dBm	51 13.000			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~	1			
0 dBm			/				\		
<u>10 dBm</u>	D2 -10	.320 dBm							
~\$Q.dBm∽	\sim	~~~							h
-30 dBm—									
-40 dBm—									
-50 dBm—									
-60 dBm									
CF 1.8507	GHz	I	I	1001	pts	I		Spa	n 3.0 MHz
					Mea	suring		4/4 2	2.12.2016 15:22:39 //

Date: 22.DEC.2016 15:22:39

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	4.1.1.1.2	Test Cha	nnel = MC	н					
Spectru	m								
Ref Lev	el 35.00 dBn	n Offset	5.00 dB 👄	RBW 30 k	Hz				
🔵 Att	40 dB	B 🖷 SWT	10 ms 👄	VBW 100 k	Hz Mode	Auto FFT			
😑 1Pk View									
					D	1[1]			-0.49 dB
30 dBm—					_	_			27070 MHz
		Occ Bw						1.0939	06094 MHz
20 dBm—					W	1[1]		1 970	-9.35 dBm 37060 GHz
	D1 16.290	dBm	TIM	mon	mm	mm.		1.079	
10 dBm—	_		₹			12			
0 dBm			1			<u>ا</u>			
			Y						
		M					b 1		
-10 dBm-	D2 -9.	.710 dBm 🕇							
		1 M					1 June		
-20 dBm		pr-					~~~	$ \rightarrow \sim \sim$	m
$\sim \sim$									
-30 dBm—									
-40 dBm—									
-40 00111									
-50 dBm—									
-60 dBm—									
CF 1.88 G				1001	nts			 	n 3.0 MHz
	1112			1001				-	22.12.2016
l					Mea	suring		4/4	15:19:19

Date: 22.DEC.2016 15:19:20



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	4.1.1.1.3	Test Cha	nnel = HCł	-					
Spectru	n								
Ref Leve	el 35.00 dBn	n Offset	5.00 dB 😑 I	RBW 30 k	Hz				
🖷 Att	40 dE	B 👄 SWT	10 ms 😑 '	VBW 100 k	Hz Mode	Auto FFT			
⊖1Pk View									
30 dBm					D	1[1]			-0.48 dB
30 UBIII						- D			27370 MHz
						cc Bw 1[1]		1.1028	97103 MHz -8.93 dBm
20 dBm—	D1 16.790	 				-[-]		1.908	66160 GHz
	01 10.790		Thursday	mm	m				
10 dBm			1			7			
0 dBm									
		MŹ	(L		
-10 dBm—	D2 -9.	210 dBm 🕂							
		L					Lon	N	
-20 dBm	m							~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\sim
									· m
-30 dBm—									
-30 0011									
40.10									
-40 dBm—									
-50 dBm—									
-60 dBm—									
CF 1.909:	J 3 GHz			1001	, pts			l Spa	n 3.0 MHz
()(suring			2.12.2016
						saringin			15:23:36

Date: 22.DEC.2016 15:23:36

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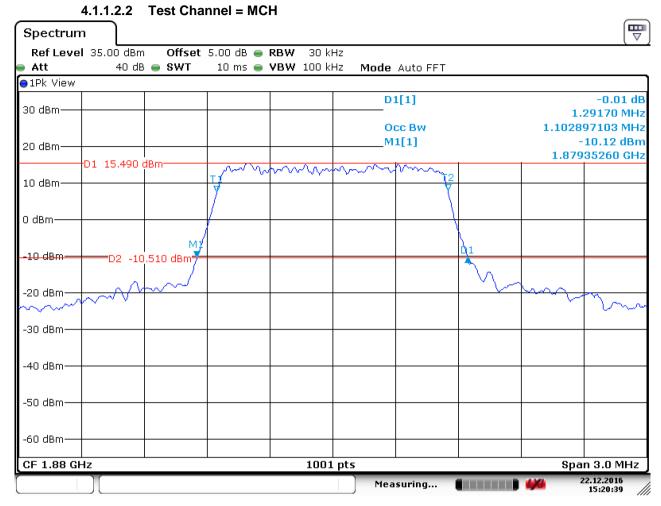
4.1.1.2 Test Mode = LTE/TM2 1.4MHz

	4.1.1.2.1	Test Cha	nnel = LCI	4					_
Spectru	m]								
Ref Lev	el 35.00 dBr	m Offset	5.00 dB 👄	RBW 30 ki	Ηz				
🗕 Att	40 d	B 👄 SWT	10 ms 👄	VBW 100 ki	Hz Mode	Auto FFT			
⊖1Pk View	/								
					D	1[1]			-0.29 dB
30 dBm—									27370 MHz
						CC BW			06094 MHz
20 dBm—					IM	1[1]			10.74 dBm 06460 GHz
	D1 15.190	dBm	Thomas	~~~~~	$\sim \sim \sim$	mm	1	1.000	00400 0112
10 dBm—			¥		· VV	<u><u> </u></u>			
0 dBm									
0 0.0			V				V		
40.10		M	4				A		
-10 dBm—	D2 -1	0.810 dBm -7					1		
							1 m	mm	_
-20 dBm-	$\psi \sim \sim$	-							han
-30 dBm—									
-40 dBm—									
-50 dBm—									
-50 UBIII—									
-60 dBm—									
CF 1.850	 7 GHz	1	1	1001	. pts		1	l Spa	n 3.0 MHz
						suring		-	2.12.2016
·									15:21:49

Date: 22.DEC.2016 15:21:50



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1Pk View D1[1] -0.33 dB 30 dBm 0cc Bw 1.096903097 MHz 20 dBm 01 15.710 dBm 1.90865860 GHz 10 dBm D1 15.710 dBm 1.90865860 GHz 0 dBm 0 dBm 1 -20 dBm 02 -10.290 dBm 1 -30 dBm -10 -10 -290 dBm -10 -10 -290 dBm -20 dBm -10 -10 -290 dBm -10 -10 -290 dBm -20 dBm -10 -10 -290 dBm -10 -10 -290 dBm -20 dBm -10 -10 -290 dBm -10 -10 -290 dBm -20 dBm -10 -10 -290 dBm -10 -10 -290 dBm -20 dBm -10 -10 -290 dBm -10 -10 -290 dBm -20 dBm -10 -10 -290 dBm -10 -10 -290 dBm -20 dBm -10 -290 dBm -10 -290 dBm -20 dBm -10 -290 dBm -10 -290 dBm -20 dBm -10 -10 -290 dBm -10 -290 dBm -20 dBm -10 -10 -290 dBm -10 -290 dBm -50 dBm -10 -10 -290 dBm -10 -290 dBm -60 dBm -10 -10 -290 dBm -10 -290 dBm -60 dBm -10 -10 -290 dBm -10 -290 dBm -60 dBm		4.1.1.2.3	Test Cha	nnel = HCl	H					
Att 40 dB SWT 10 ms VBW Mode Auto FFT 1Pk View 30 dBm	Spectru	m								
1Pk View D1[1] -0.33 dB 30 dBm 0cc Bw 1.096093097 MHz 20 dBm 01 15.710 dBm -10.10 dBm 01 15.710 dBm 1.90865860 GHz 10 dBm 02 -10.290 dBm -20 dBm -10.290 dBm -30 dBm -10.290 dBm -50 dBm -50 dBm -60 dBm <t< th=""><th>Ref Lev</th><th>el 35.00 dBn</th><th>n Offset</th><th>5.00 dB 🔵</th><th>RBW 30 kł</th><th>Ηz</th><th></th><th></th><th></th><th></th></t<>	Ref Lev	el 35.00 dBn	n Offset	5.00 dB 🔵	RBW 30 kł	Ηz				
30 dBm D1[1] -0.33 dB 30 dBm 0cc Bw 1.27670 MHz 20 dBm -10.10 dBm -10.10 dBm D1 15.710 dBm 1.90865860 GHz 10 dBm 1.90865860 GHz 0 dBm 0 dBm -20 dBm -20 dBm -30 dBm -10.10 dBm -20 dBm -10.290 dBm -30 dBm -10.10 dBm -20 dBm -10.290 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -30 dBm -50 dBm -30 dBm -60 dBm -30 dBm -20 dBm -30 dBm -20 dBm -30 dBm -20 dBm -30 dBm -50 dBm -30 dBm -60 dBm -30 dB	🖷 Att	40 dB	B 🔵 SWT	10 ms 👄	VBW 100 kł	Hz Mode	Auto FFT			
30 dBm 1.27670 MHz 20 dBm 0cc Bw 1.096903097 MHz 20 dBm -10.10 dBm 01 15.710 dBm 1.90865860 GHz 10 dBm 1.90865860 GHz 0 dBm 1 -20 dBm -10.290 dBm -20 dBm -20.290 dBm -30 dBm -30 dBm -50 dBm -50 dBm -60 dBm -50 dBm -50 dBm -50 dBm	😑 1Pk View	/								
20 dBm 0cc Bw 1.096903097 MHz 20 dBm 01 15.710 dBm 1.90865860 GHz 10 dBm 1.90865860 GHz 0 dBm 1.90865860 GHz 0 dBm 1.90865860 GHz 0 dBm 1.90865860 GHz 0 dBm 1.1 10 dBm 1.1 0 dBm 1.1 10 dBm 1.1 -20 dBm 1.1 -30 dBm -30 dBm -50 dBm -40 dBm -50 dBm -50 dBm -60 dBm -50 dBm -60 dBm -50 dBm -60 dBm -50 dBm						D	1[1]			-0.33 dB
20 dBm M1[1] -10.10 dBm 10 dBm 1.90865860 GHz 10 dBm 0 dBm 10 dBm 1 -20 dBm 1 -30 dBm -40 dBm -50 dBm -40 dBm -60 dBm -40 dBm -50 dBm -50 dBm -60 dBm -50 dBm -60 dBm -50 dBm	30 dBm—									
10 dBm 1.90865860 GHz 10 dBm 1 0 dBm 1 10 dBm 1 -20 dBm 1 -30 dBm -40 dBm -50 dBm -50 dBm -60 dBm 1001 pts Span 3.0 MHz										
01 15.710 dBm 10 dBm 1 0 dBm 1 10 dBm 02 -10.290 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm CF 1.9093 GHz 1001 pts Span 3.0 MHz	20 dBm—					IVI	1[1]			
10 dBm 0 dBm 10 dBm D2 -10.290 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -30 dBm		-D1 15.710	dBm	m	when	m	mar		1.500	00000 0112
10 dBm D2 -10.290 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -40 dBm -50 dBm -40 dBm -60 dBm -40 dBm -60 dBm -40 dBm -20 dBm -40 dBm -20 dBm -40 dBm -20 dBm -40 dBm -40 dBm -40 dBm -50 dBm -50 dBm -60 dBm -50 dBm	10 dBm—			T1/ 5	·	-	1.72			
10 dBm D2 -10.290 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -40 dBm -50 dBm -40 dBm -60 dBm -40 dBm -60 dBm -40 dBm -20 dBm -40 dBm -20 dBm -40 dBm -20 dBm -40 dBm -40 dBm -40 dBm -50 dBm -50 dBm -60 dBm -50 dBm -60 dBm -50 dBm -20 dBm -50 dBm										
10 dBm D2 -10.290 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -40 dBm -50 dBm -40 dBm -60 dBm -40 dBm -60 dBm -40 dBm -20 dBm -40 dBm -20 dBm -40 dBm -20 dBm -40 dBm -40 dBm -40 dBm -50 dBm -50 dBm -60 dBm -50 dBm	0 dBm			1						
10 dBm D2 -10.290 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -30 dBm -50 dBm -30 dBm -60 dBm -30 dBm -60 dBm -30 dBm -20 dBm -30 dBm				X			```	V		
-20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -60 dBm CF 1.9093 GHz 1001 pts Span 3.0 MHz 22.12.2015	10 40		· · · · · · · · · · · · · · · · · · ·					h 1		
-30 dBm -40 dBm -40 dBm -50 dBm -60 dBm -60 dBm CF 1.9093 GHz 1001 pts Span 3.0 MHz 22.12.2015	<u>10 asm</u> —	D2 -10	0.290 dBm 🕇							
-30 dBm -40 dBm -40 dBm -50 dBm -60 dBm -60 dBm CF 1.9093 GHz 1001 pts Span 3.0 MHz 22.12.2015			hand					1 min	<u>~</u> ~	
-40 dBm -50 dBm -60 dBm -60 dBm CF 1.9093 GHz 1001 pts Span 3.0 MHz 22.12.2015	-20 dBm								- how by	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-40 dBm -50 dBm -60 dBm -60 dBm -60 dBm CF 1.9093 GHz 1001 pts Span 3.0 MHz 22.12.2016	~~~ ·									- w
-50 dBm -60 dBm -60 dBm CF 1.9093 GHz 1001 pts Span 3.0 MHz 22.12.2016	-30 dBm—									
-50 dBm -60 dBm -60 dBm CF 1.9093 GHz 1001 pts Span 3.0 MHz 22.12.2016										
-50 dBm -60 dBm -60 dBm CF 1.9093 GHz 1001 pts Span 3.0 MHz 22.12.2016	-40 dBm—									
-60 dBm -60 dBm CF 1.9093 GHz 1001 pts Span 3.0 MHz Measuring 22.12.2016										
-60 dBm -60 dBm CF 1.9093 GHz 1001 pts Span 3.0 MHz Measuring 22.12.2016										
CF 1.9093 GHz 1001 pts Span 3.0 MHz Measuring 22.12.2016	-JU UBIII—									
CF 1.9093 GHz 1001 pts Span 3.0 MHz Measuring 22:12:2016										
22.12.2016	-60 dBm—									
22.12.2016	CF 1.909	3 GHz	1	1	1001	pts		1	Spa	n 3.0 MHz
							surina			

Date: 22.DEC.2016 15:24:22



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4.1.1.3.1 Test Channel = LCH ₽ Spectrum Ref Level 35.00 dBm Offset 5.00 dB 👄 RBW 30 kHz 40 dB 🖷 SWT 10 ms 👄 **VBW** 100 kHz Att Mode Auto Sweep ●1Pk View D1[1] -1.15 dB 30 dBm-2.90710 MHz Occ Bw 2.691308691 MHz -12.14 dBm M1[1] 20 dBm-1.85005540 GHz D1 13.330 dBmmary Maron Anyon here آريع T10, AA. 10 dBm-0 dBm· -10 dBm--D2 -12.670 dBm -20 dBm whenh Arren -30 dBm--40 dBm--50 dBm--60 dBm-CF 1.8515 GHz 1001 pts Span 6.0 MHz 22.12.2016 Measuring... 11. 15:15:00

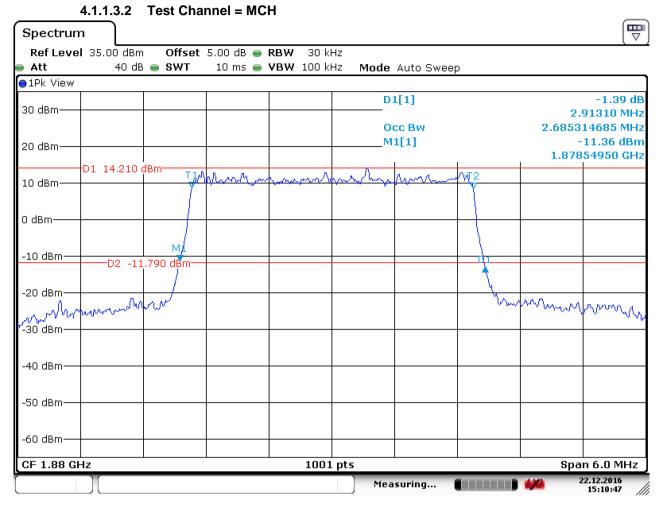
Date: 22.DEC.2016 15:15:00

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4.1.1.3 Test Mode = LTE/TM1 3MHz



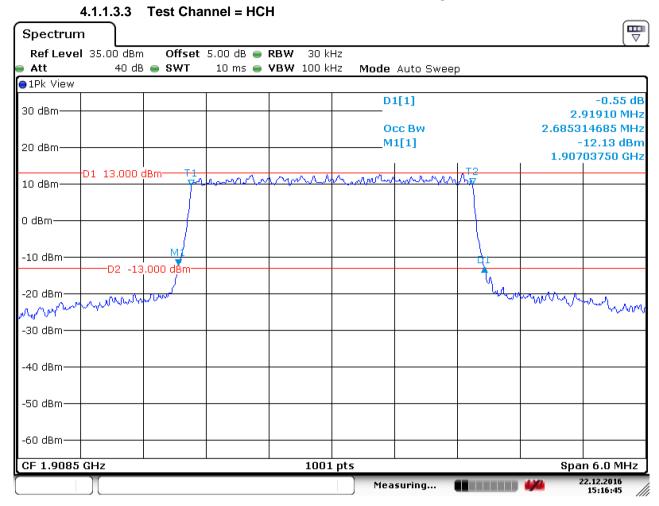
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4.1.1.4.1 Test Channel = LCH ₽ Spectrum Ref Level 35.00 dBm Offset 5.00 dB 👄 RBW 30 kHz 40 dB 🖷 SWT 10 ms 👄 **VBW** 100 kHz Att Mode Auto Sweep ●1Pk View D1[1] -0.14 dB 30 dBm-2.91910 MHz Occ Bw 2.685314685 MHz -13.47 dBm M1[1] 20 dBm-1.85003750 GHz D1 12.510 dBm بمم لمه 10 dBmwww.nds.Ar 0 dBm--10 dBm-<u>гі 1</u> -D2 -13.490 dBm www.man.man -20 dBmmonor -30 dBm--40 dBm· -50 dBm--60 dBm-CF 1.8515 GHz 1001 pts Span 6.0 MHz 22.12.2016 Measuring... 15:13:33

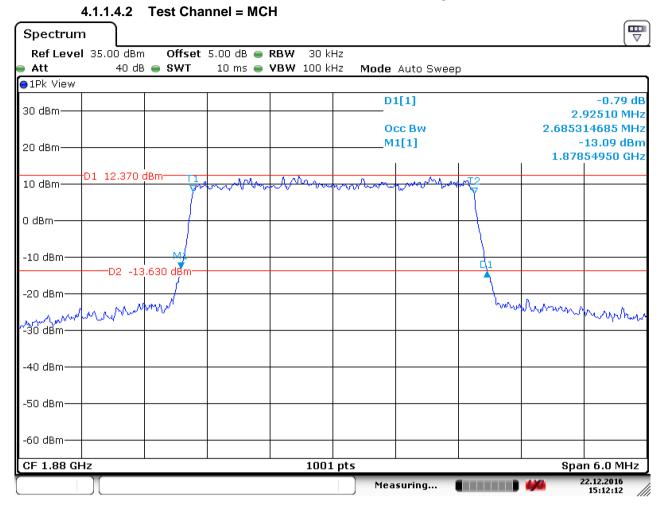
Date: 22.DEC.2016 15:13:33

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4.1.1.4 Test Mode = LTE/TM2 3MHz



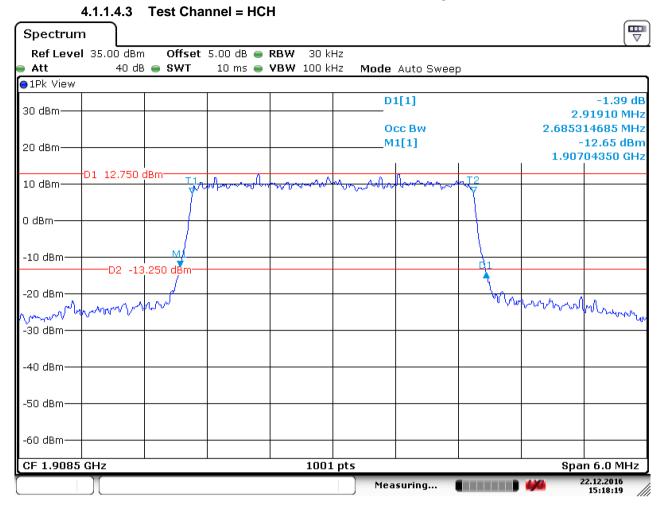
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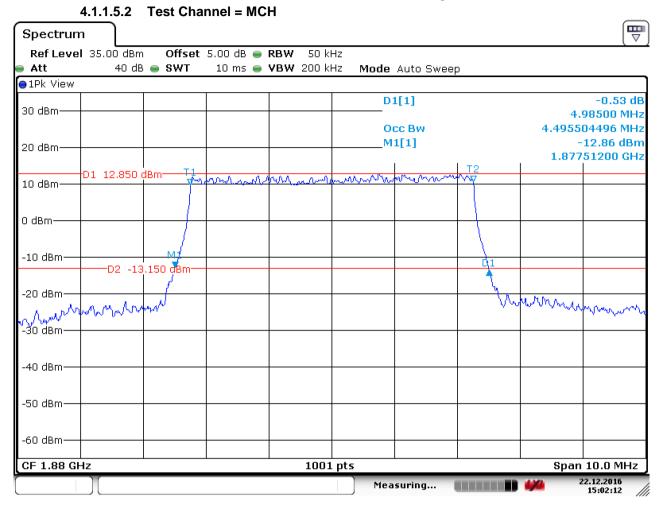
4.1.1.5.1 Test Channel = LCH ₽ Spectrum Ref Level 35.00 dBm Offset 5.00 dB 👄 RBW 50 kHz 40 dB 🖷 SWT 10 ms 👄 **VBW** 200 kHz Att Mode Auto Sweep ●1Pk View D1[1] -0.97 dB 30 dBm-4.98500 MHz Occ Bw 4.495504496 MHz -12.76 dBm M1[1] 20 dBm-1.85002200 GHz Τ1 D1 12.780 dBm-Mul marker in Am Arradis M mon 10 dBm-0 dBm--10 dBm--D2 -13.220 dBm 4. Augur -20 dBm-ليصب Minh MO AL mm -30 dBm--40 dBm--50 dBm--60 dBm-Span 10.0 MHz CF 1.8525 GHz 1001 pts 22.12.2016 Measuring... ----15:03:47

4.1.1.5 Test Mode = LTE/TM1 5MHz

Date: 22.DEC.2016 15:03:47



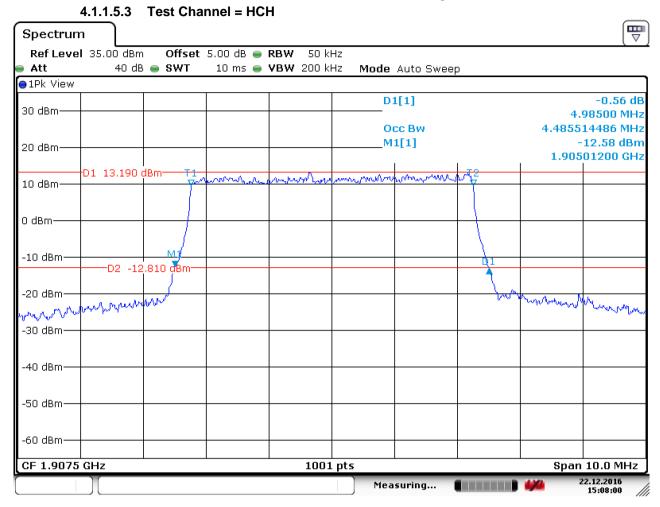
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4.1.1.6 Test Mode = LTE/TM2 5MHz

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

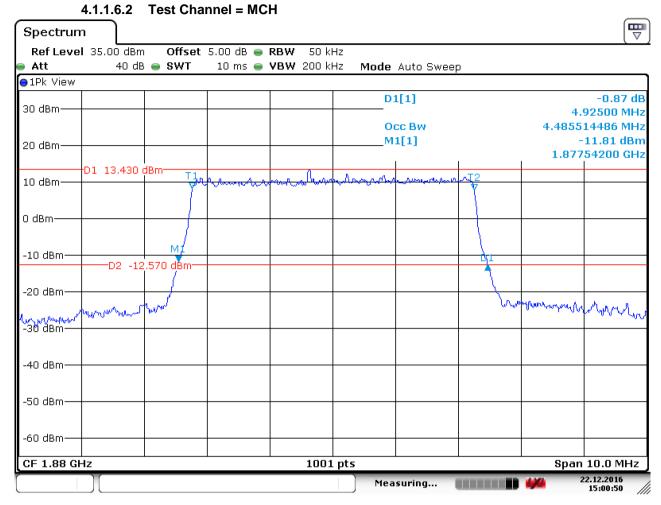
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4.1.1.6.1 Test Channel = LCH ₽ Spectrum Ref Level 35.00 dBm Offset 5.00 dB 👄 RBW 50 kHz 40 dB 🖷 SWT 10 ms 👄 **VBW** 200 kHz Att Mode Auto Sweep ●1Pk View D1[1] -0.07 dB 30 dBm-4.99500 MHz Occ Bw 4.485514486 MHz -14.29 dBm M1[1] 20 dBm-1.85000200 GHz D1 11.560 dBm-10 dBm-Ja 0 dBm--10 dBm-MD. À1 -D2 -14.440 dBm An -20 dBm-Www.www Mumary mound -30 dBm--40 dBm· -50 dBm--60 dBm-Span 10.0 MHz CF 1.8525 GHz 1001 pts 22.12.2016 Measuring... 15:05:01

Date: 22.DEC.2016 15:05:02



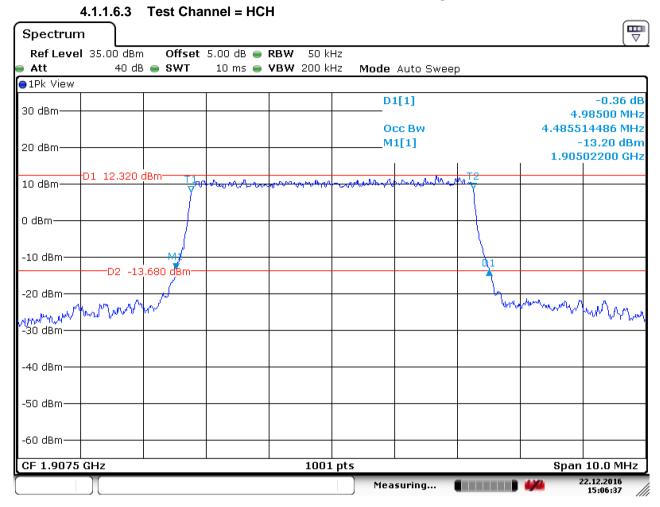
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4.1.1.7 Test Mode = LTE/TM1 10MHz

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

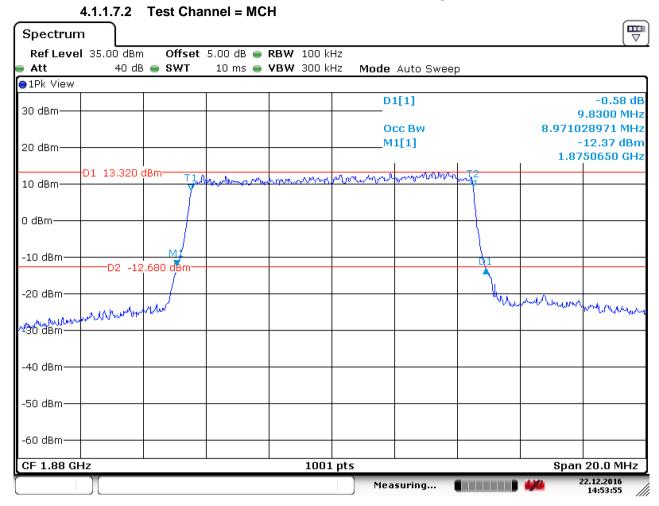
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4.1.1.7.1 Test Channel = LCH ₽ Spectrum Ref Level 35.00 dBm Offset 5.00 dB 👄 RBW 100 kHz 40 dB 🖷 SWT 10 ms 👄 **VBW** 300 kHz Att Mode Auto Sweep ●1Pk View -0.72 dB D1[1] 30 dBm-9.6500 MHz Occ Bw 8.911088911 MHz -11.72 dBm M1[1] 20 dBm-1.8501850 GHz D1 13.880 dBmmonth man marker and theman merhan 10 dBm-Vera 0 dBm· -10 dBm--D2 -12.120 dBm[.] -20 dBmwhen have about any large with mound MA. فليرجون لمستعلم والمسلو -30 dBm--40 dBm· -50 dBm--60 dBm-Span 20.0 MHz CF 1.855 GHz 1001 pts 22.12.2016 Measuring... 14:55:09

Date: 22.DEC.2016 14:55:10



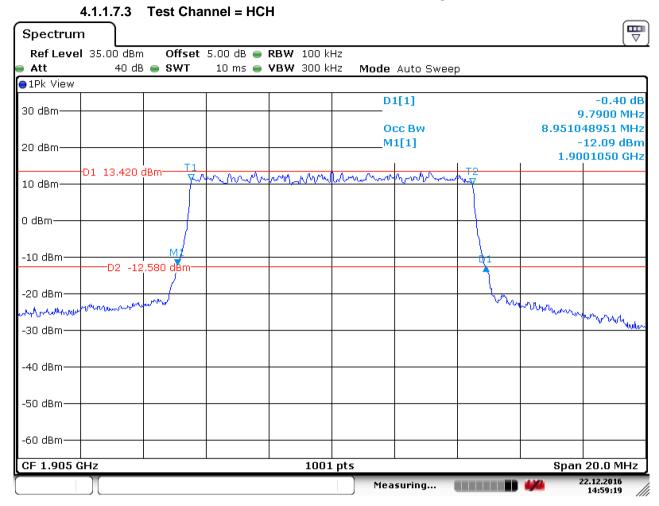
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4.1.1.8 Test Mode = LTE/TM2 10MHz

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4.1.1.8.1 Test Channel = LCH ₽ Spectrum Ref Level 35.00 dBm Offset 5.00 dB 👄 RBW 100 kHz 40 dB 👄 SWT 10 ms 👄 **VBW** 300 kHz Att Mode Auto Sweep ●1Pk View D1[1] -0.87 dB 30 dBm-9.6300 MHz Occ Bw 8.931068931 MHz -11.56 dBm M1[1] 20 dBm-1.8752050 GHz D1 14.050 dBm-Τ1 ΔA mun 10 dBmmnΛ 0 dBm· M -10 dBm--D2 -11.950 dBm[.] -20 dBm-Menth manna WWW.Human mature •90°08mm -40 dBm--50 dBm--60 dBm-Span 20.0 MHz CF 1.88 GHz 1001 pts 22.12.2016 Measuring... 11. 14:52:39

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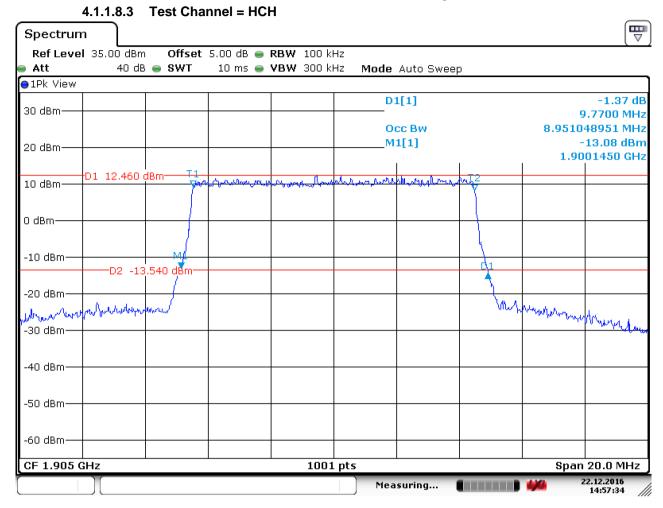
	4.1.1.8.2	Test Cha	nnel = MCF	ł					
Spectru	m								
Ref Lev	el 35.00 dBm	n Offset	5.00 dB 🥃 R	BW 100 kł	Ηz				
🔵 Att	40 dE	B 👄 SWT	10 ms 👄 V	′BW 300 kł	Hz Mode	Auto Swee	p		
😑 1Pk View									
00 JD					D	1[1]			-0.87 dB
30 dBm—					_	_			0.6300 MHz
						CC BW			68931 MHz 11.56 dBm
20 dBm—					I¥I	1[1]			52050 GHz
	D1 14.050	dBm				<u>ه</u>	 <u>7</u>2 		
10 dBm—		T1	the second the second	~~~~~~~~~~	,max.aAu	orman	lant -		
0 dBm									
-10 dBm—		мį					1		
-10 abiii	D2 -11	1.950 dBm							
							$ \rangle$		
-20 dBm—							however	manna	how more from
the castless	www.www.ww	and and a second se							and with bound
∿30°08m—									
-40 dBm—	-								
-50 dBm—	_								
-60 dBm—									
CF 1.88 G	Hz			1001	pts			Span	20.0 MHz
) Mea	suring		4/4 2	22.12.2016 14:52:39

Date: 22.DEC.2016 14:52:39

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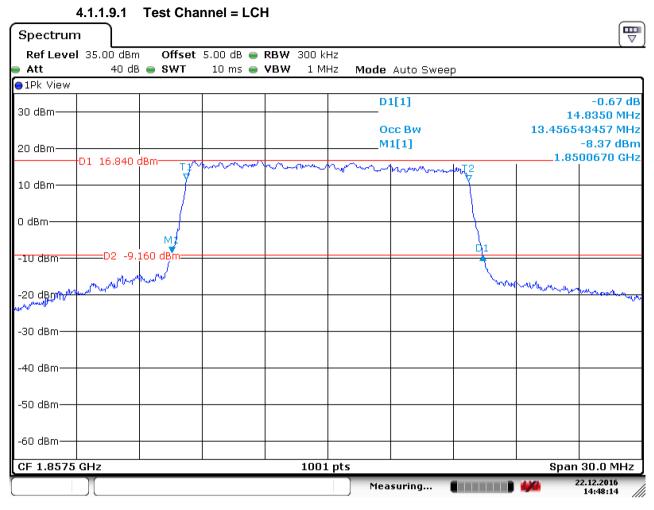


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4.1.1.9 Test Mode = LTE/TM1 15MHz



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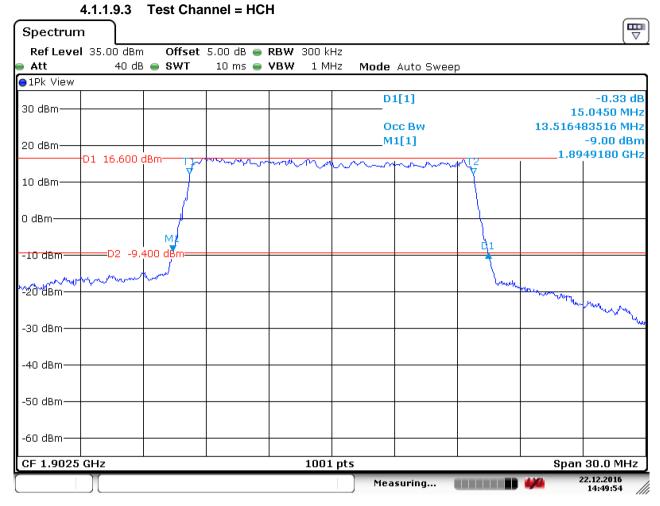
	4.1.1.9.	2 Test Ch	annel = MC	н					
Spectru	m								
Ref Lev	el 35.00	dBm Offse	t 5.00 dB 👄	RBW 300 k	Ηz				
🖷 Att	40) dB 👄 SWT	10 ms 👄	VBW 1 M	Hz M	l ode Auto Sw	еер		
●1Pk View	'				-				
30 dBm—						D1[1]			-0.43 dB
30 UBIII-						Occ Bw			4.9550 MHz 83516 MHz
						M1[1]		13.3104	-8.49 dBm
20 dBm—	D1 17.4	10 dBm						1.87	25670 GHz
			man	m	\sim	\sim γ \sim \sim	- toto		
10 dBm—									
							-1		
0 dBm									
		M					λ.		
-10 dBm—	D2	-8.590 dBm-							
								. m.	
-20 dBm—		p.J						man when	when when a
-20 dBm—	un have and the theorem	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							- T-
-30 dBm—									
-40 dBm—									
-50 dBm—									
-60 dBm—									
CF 1.88 G				1001	nte			Pnon	20 0 MU3
UCF 1.88 G				1001	. prs				30.0 MHz
						Measuring		4/6	14:44:36

Date: 22.DEC.2016 14:44:37

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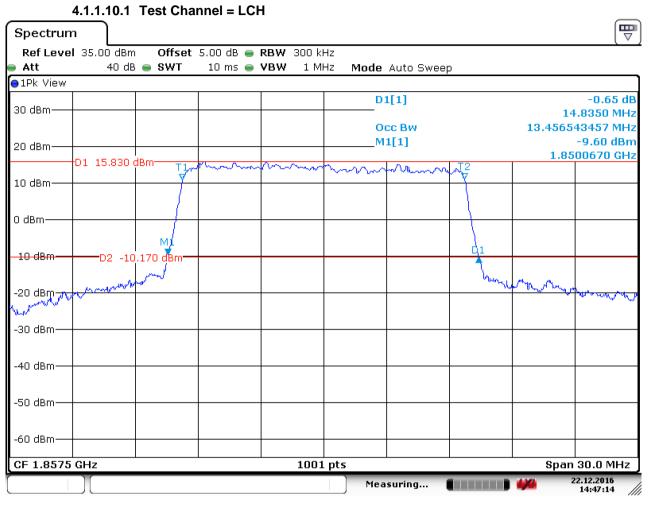


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4.1.1.10 Test Mode = LTE/TM2 15MHz



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Spectrum	<u></u>									
	- L I 35.00 dBm	Offect	5.00 dB 👄	DDW	200 ku-					(~
Att		s SWT	10 ms 👄		1 MHz	Mode	Auto Swe	en		
●1Pk View		• • • • • •				mode	<u>Hato 0110</u>	.op		
.						Di	l[1]			-0.72 dB
30 dBm									14	.9550 MHz
						0	cc Bw		13.5164	83516 MHz
20 dBm				_		M	1[1]			10.03 dBm
	D1 15.670 (dBm 		_	Mar Mar	mm	a a . America		1.87	25970 GHz
10 dBm			hann	~~~~	www.www	a and a s		~r th≥		
TO abin										
0 dBm										
		мź								
-10 dBm	D2 -10).330 dBm—								
								In	mann	
-20 dBm	m. mm	page 1		-						Mound have
mus when and has	provident and a									
-30 dBm				_						
00 0.0111										
-40 dBm										
-40 aBm										
-50 dBm										
-60 dBm										
CF 1.88 GF	17				1001 pt	c				30.0 MHz
	<u>اد</u>				1001 ht	1				2.12.2016
L I	」					Mea	suring		4/4 4	14:45:57 //

4.1.1.10.2 Test Channel = MCH

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Spectrum	ı)								
	35.00 dBm			RBW 300 ki					
Att	40 dB	SWT 🔵	10 ms 😑	VBW 1 M	Hz Mode	Auto Swee	эр		
●1Pk View			I	1					
30 dBm					D	1[1]		1.4	-0.65 dB -9550 MHz
					0	cc Bw			53546 MHz
00 40						1[1]		10.0101	-9.55 dBm
20 dBm	D1 15 070 -							1.89	50370 GHz
	D1 15.970 (usm ∓ <i>f</i> ~	man	mound	when	mm	∽~¶Ç		
10 dBm		1					+ {		
0 dBm							+		
		м					$ \rangle$		
-10 dBm	D210	1.030 dBm					<u>d</u> 1		
	02 10	1					1 1		
᠉ᢧᠣ᠔ᡃᡈᢆᡛᢔᠯᢇᢦᢦ	mon	and V					mar		
-120 UBIII								mar Mar har 1	munananan
									mand and a second second
-30 dBm—									
-40 dBm									
-50 dBm									
-60 dBm									
-00 ubiii-									
CF 1.9025	GHz	•	·	1001	pts	·		Span	30.0 MHz
) Mea	suring		4/4 2	2.12.2016 14:51:06

4.1.1.10.3 Test Channel = HCH

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4.1.1.11 Test Mode = LTE/TM1 20MHz

4.1.1.11.1 Test Channel = LCH

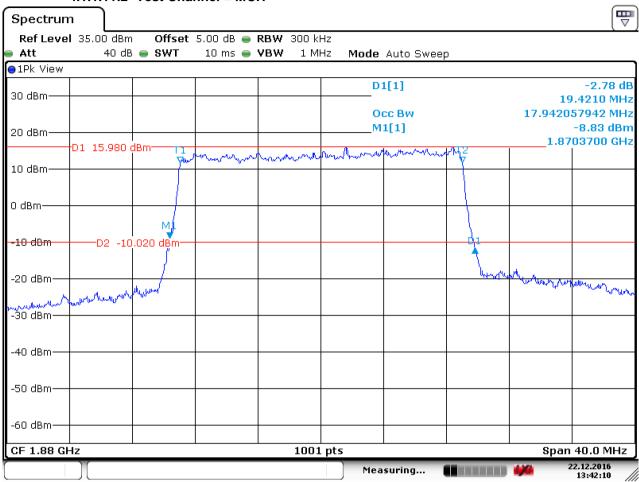
Spectrur	n]								
	el 35.00 dBm			RBW 300 ki					`
Att 1Pk View	40 dE	3 🖷 SWT	10 ms 😑	VBW 1 M	Hz Mode	Auto Swee	эр		
30 dBm					D	1[1]		19	-0.97 dB 9.3810 MHz
20 dBm						сс Вw 1[1]			97902 MHz -9.16 dBm
10 dBm	-D1 16.340	dBm T 🔊	man	Manner	mm	manun	ut 72	1.85	03300 GHz
0 dBm									
-10 dBm—		660 dBm —							
-20 dBm-	m - Of Marine	Y DWP D 1					- Utherwood	monum	hallhowen when
-30 dBm—									
-40 dBm—									
-50 dBm—									
-60 dBm—									
CF 1.86 G	⊥ Hz	I	1	1001	. pts	I		Span	40.0 MHz
					Mea	suring		- 4/4 2	22.12.2016 14:23:07

Date: 22.DEC.2016 14:23:07

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4.1.1.11.2 Test Channel = MCH

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Spectrum										
-										(⊽
	35.00 dBm		5.00 dB 👄							
Att	40 dB	SWT 😑 SWT	10 ms 😑	VBW	1 MHz	Mode	Auto Swee	эр		
⊖1Pk View			1							
30 dBm						D	1[1]			-2.90 dB
30 übili							_			.7000 MHz
							CC BW		18.0219	78022 MHz
20 dBm				-		M	1[1]		1.00	-9.48 dBm
	D1 16.250 (dBm TY	moren	Mar Cha	0.0			I.T2	1.89	01300 GHz
10 dBm		¥				~~~~	man	NY		
10 dbiii										
								+		
0 dBm								+ 4		
		M						1 1		
-10 dBm-	D29.1	750 dBm								
10 0.0		N						A		
M ann	warrow war	and and						Vier		
- 10 dBm								شەر.	by been	
									Muyh	ભા
-30 dBm				_					toy have a way had	W HHALL
										"britt, "W
10 10										
-40 dBm—										
-50 dBm—										
-60 dBm										
-00 ubiii										
CF 1.9 GHz	2	1	1	1	1001 pts	5	1	1	Span	40.0 MHz
	Υ				-	Mea	suring			2.12.2016
<u> </u>					1) ==	-			14:24:35 //

4.1.1.11.3 Test Channel = HCH

Date: 22.DEC.2016 14:24:35



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4.1.1.12.1 Test Channel = LCH ₽ Spectrum Ref Level 35.00 dBm Offset 5.00 dB 👄 RBW 300 kHz 40 dB 👄 SWT 10 ms 👄 **VBW** Att 1 MHz Mode Auto Sweep ●1Pk View D1[1] -0.81 dB 30 dBm-19.5800 MHz Occ Bw 17.942057942 MHz -10.73 dBm M1[1] 20 dBm-1.8501300 GHz D1 15.000 dBm monorthen 14/ mm mar 10 dBm-0 dBm-M -10 dBm--D2 -11.000 dBm⁻ A -20 dBmm mounder -30 dBm--40 dBm· -50 dBm--60 dBm-Span 40.0 MHz CF 1.86 GHz 1001 pts 22.12.2016 Measuring... ----13:45:21

4.1.1.12 Test Mode = LTE/TM2 20MHz

Date: 22.DEC.2016 13:45:21



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Spectrum	,)								
	35.00 dBm			RBW 300 k					
Att 1Pk View	40 dB	SWT	10 ms 👄	VBW 1 M	Hz Mode	Auto Swe	ер		
					D	1[1]			-0.03 dB
30 dBm						-1-1		19	9.5000 MHz
						cc Bw			57942 MHz
20 dBm					M	1[1]			·11.00 dBm /03300 GHz
	D1 14.830 (dBm 	0.00-00-	hann	mm	have	n nt	1.01	
10 dBm		<u> </u>	www						
0 dBm									
		м							
-10 dBm—	D2 -11	170 d <mark>8</mark> m—							
							how	mmu.	
-20 dBm	no sharen	world						10 Martin	mon
աշ <i>ե</i> րքատեղագրվությունը -30 dBm——	10000								
-30 UBIII									
-40 dBm									
io dom									
-50 dBm									
-60 dBm—									
CF 1.88 GF	17			1001	nte				40.0 MHz
	ا <u>د</u>			1001			4	-	22.12.2016
L I	Л				Mea	suring		444	13:44:01

4.1.1.12.2 Test Channel = MCH

Date: 22.DEC.2016 13:44:02



Report No.: SZEM161201085001 Page: 70 of 177

	4.1.1.12.3	Test Cha	nnel = HCl	H					
Spectrun	n								
Ref Leve	I 35.00 dBm	n Offset	5.00 dB 😑	RBW 300 kł	Ηz				
🗕 Att	40 dE	B 👄 SWT	10 ms 😑	VBW 1 Mł	Hz Mode	Auto Swee	эр		
⊖1Pk View									
30 dBm					D	1[1]			-2.90 dB
30 UBIII						D			.7000 MHz
						cc Bw 1[1]		18.0219	78022 MHz -9.48 dBm
20 dBm	D1 16 050					+[+]		1.89	01300 GHz
	D1 16.250	asm ≁	moren	mon	Lann	man	1 ⁷²		
10 dBm							+ ¥		
0 dBm							- b		
		м							
- 10 dBm	D2 -9.	750 dBm					4		
		M					1 🏋		
Anora	wand	grut					Wr_		
-28 ubili								toy have not what	
								"Yu	HU LUMAN
-30 dBm—									" "Hen whome
									- V4
-40 dBm—									
-50 dBm—									
-60 dBm									
CF 1.9 GH	z			1001	pts			· · · ·	40.0 MHz
[Л				Mea	suring		- 444 2	2.12.2016 14:43:16

Date: 22.DEC.2016 14:43:17

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5 Band Edges Compliance

Part I –

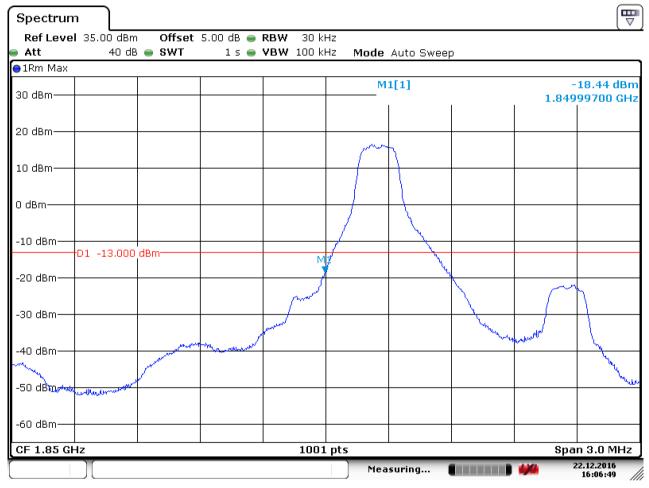
5.1 For LTE

5.1.1 Test Band = LTE band2

5.1.1.1 Test Mode = LTE/TM1 1.4MHz

5.1.1.1.1 Test Channel = LCH

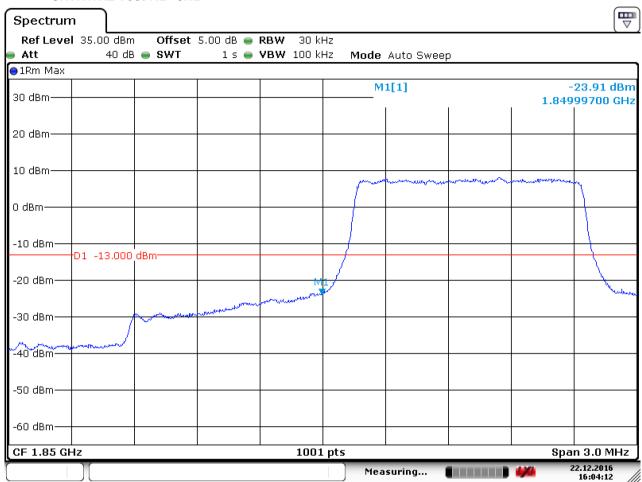
5.1.1.1.1.1 Test RB=1RB



Date: 22.DEC.2016 16:06:49



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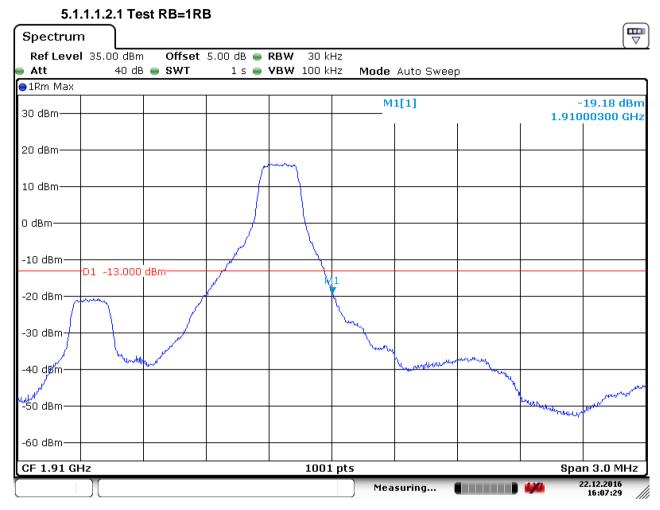
Date: 22.DEC.2016 16:04:13

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5.1.1.1.1.2 Test RB=6RB



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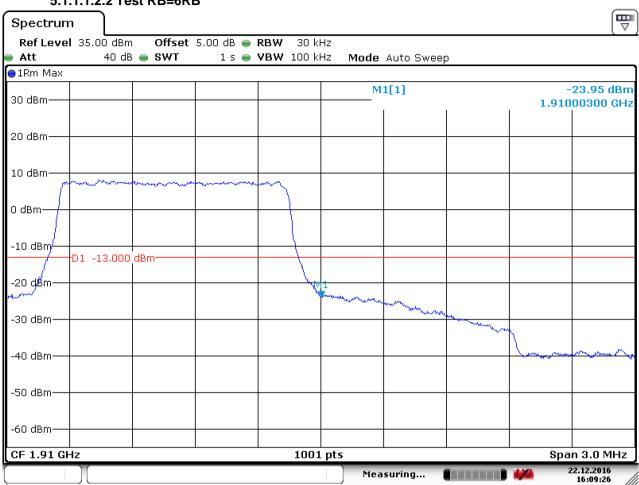


5.1.1.1.2 Test Channel = HCH

Date: 22.DEC.2016 16:07:30



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Date: 22.DEC.2016 16:09:26

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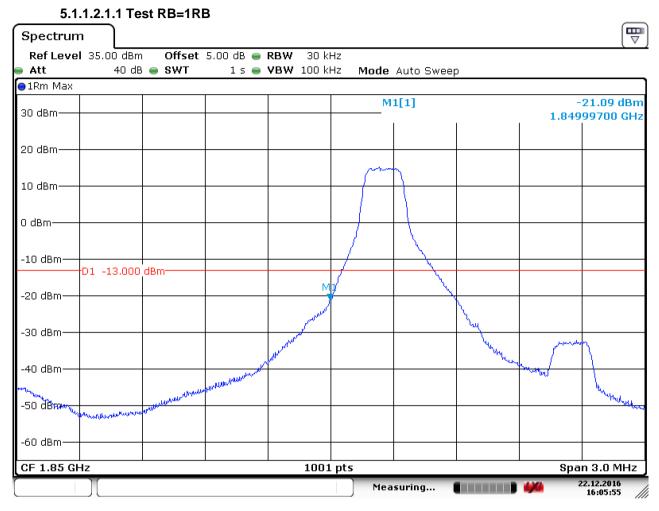
5.1.1.1.2.2 Test RB=6RB



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5.1.1.2 Test Mode = LTE/TM2 1.4MHz

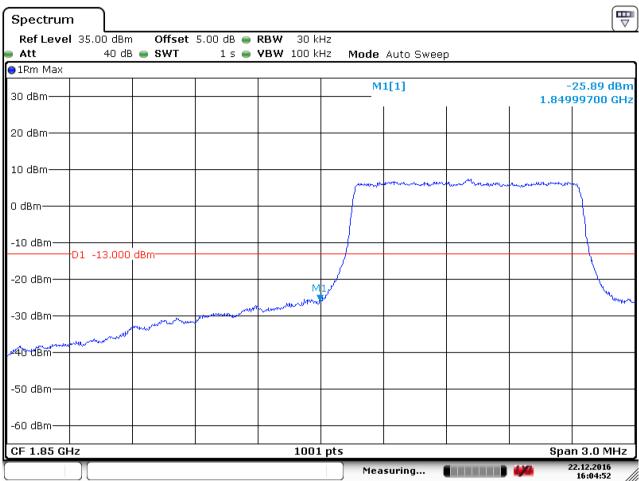
5.1.1.2.1 Test Channel = LCH



Date: 22.DEC.2016 16:05:56



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5.1.1.2.1.2 Test RB=6RB

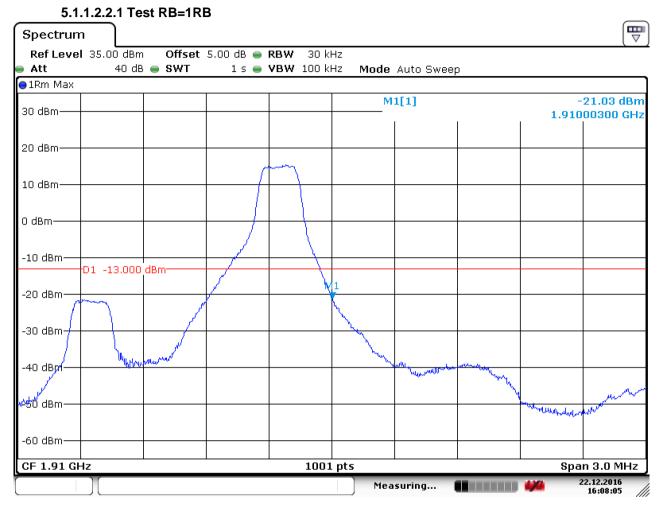
Date: 22.DEC.2016 16:04:53

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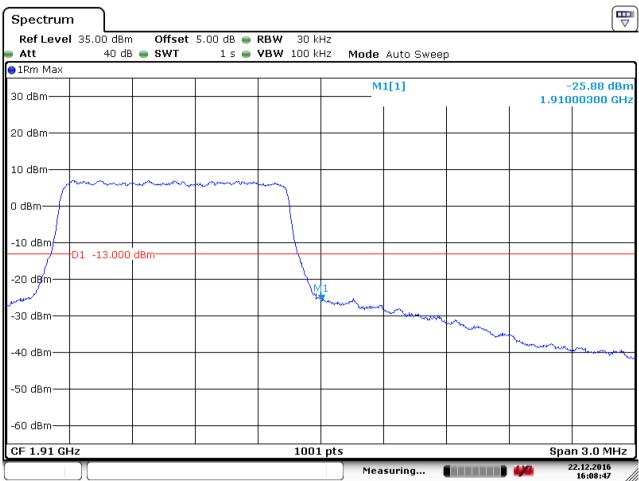




Date: 22.DEC.2016 16:08:05



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5.1.1.2.2.2 Test RB=6RB

Date: 22.DEC.2016 16:08:48

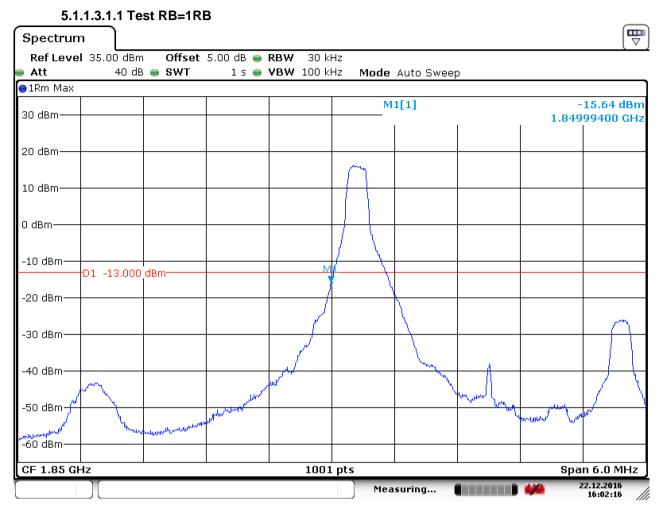
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5.1.1.3 Test Mode = LTE/TM1 3MHz

5.1.1.3.1 Test Channel = LCH



Date: 22.DEC.2016 16:02:16



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5.1.	1.3.1.2 Te	ST KD=13	KD .							_
Spectrum	ı]									
Ref Level e Att	l 35.00 dBm 40 dB	Offset SWT	5.00 dB 👄 1 s 👄	RBW 30 kł VBW 100 kł		Mode	Auto Swee	ep		`
⊖1Rm Max										
30 dBm						M	1[1]	1		25.79 dBm 99400 GHz
20 dBm										
10 dBm										
0 dBm						m	- Constant and a second	y marked	an a	monotog
-10 dBm	D1 -13.000	dBm								
-20 dBm				M	1					
-30 dBm		and all all and	- war and a start w	and and and	/					
-40 dBm	and the second	And and the second s								
-50 dBm										
-60 dBm										
CF 1.85 GF	łz			1001	. pt	s			-	n 6.0 MHz
						Mea	suring		4/4 2	2.12.2016 16:02:53

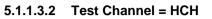
Date: 22.DEC.2016 16:02:53

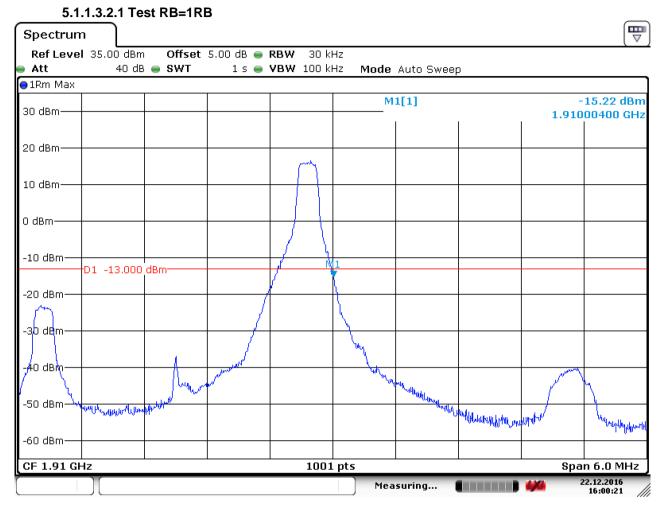
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5.1.1.3.1.2 Test RB=15RB



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Date: 22.DEC.2016 16:00:21



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5.1.	1.3.2.2 Te	st RB=15	RB						_
Spectrum	,)								
Ref Level	35.00 dBm	n Offset	5.00 dB 👄	RBW 30 k	Hz				
e Att	40 dE	B 👄 SWT	1 s 👄	VBW 100 k	Hz N	lode Auto Swe	эер		
⊖1Rm Max		1	1	1	1				
30 dBm						M1[1]			26.19 dBm
						1	1	1.910	00400 GHz
20 dBm									
20 00111									
10 dBm									
afor	man	menne	manner	mony					
0 dBm									
10 40									
-1 <mark>0 dBm</mark>	D1 -13.000	dBm							
- <mark>2</mark> 0 dBm				l l	1				
					mar				
-30 dBm						and the second	a www.how-		
							- 40 04-	francing when a	m
-40 dBm									
									Jonnymen
-50 dBm									
-60 dBm									
CF 1.91 GH	lz	I		100:	L pts			Spa	n 6.0 MHz
)[Measuring		2 🚧	22.12.2016 15:59:44

Date: 22.DEC.2016 15:59:45

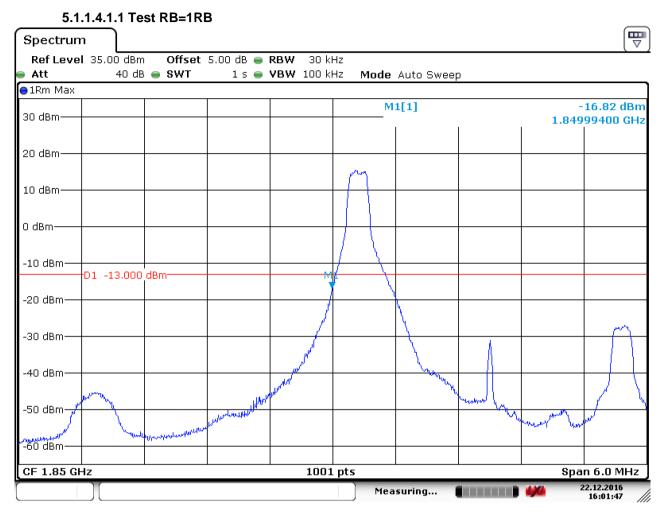
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5.1.1.4 Test Mode = LTE/TM2 3MHz

5.1.1.4.1 Test Channel = LCH



Date: 22.DEC.2016 16:01:47



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

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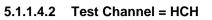
	.1.4.1.2 Te	SUKDE I JI								
Spectrum	ן ו									(₩
Ref Level Att	35.00 dBm 40 dB	Offset SWT	5.00 dB 👄 1 s 👄	RBW 30 ki VBW 100 ki		Mode	Auto Swee	ер		
⊖1Rm Max			-							
30 dBm						M	1[1] I	1		28.37 dBm 99400 GHz
20 dBm										
10 dBm										
0 dBm						mond	h		manner	many
-10 dBm	D1 -13.000	dBm								
-20 dBm					\downarrow					$\left \right\rangle$
-30 dBm		un - un - un - un - un	wandhamarka	M	1					
-40 dBm	no-harmon and harded	for the second se								
-50 dBm										
-60 dBm										
CF 1.85 GH	lz			1001	. pt	s			-	n 6.0 MHz
						Mea	suring		4/4	22.12.2016 16:03:33

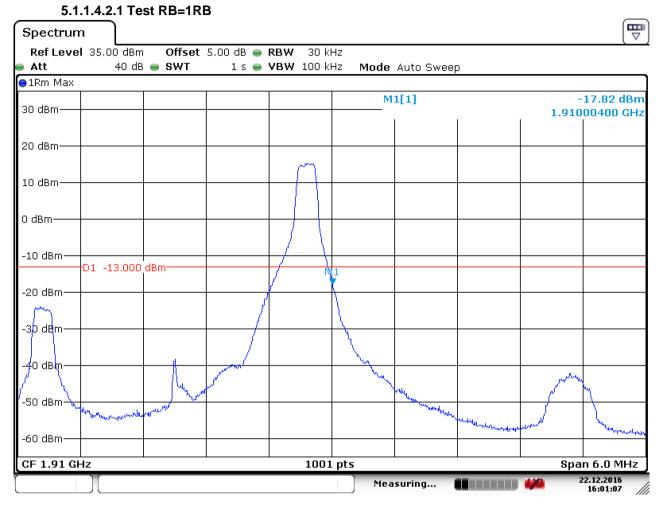
Date: 22.DEC.2016 16:03:33

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Date: 22.DEC.2016 16:01:07



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Spectrum	n								
	l 35.00 dBm		: 5.00 dB 👄						
Att 🖉	40 dE	SWT 😑 SWT	1 s 👄	VBW 100 k	Hz Mode	Auto Swei	ер		
●1Rm Max									
30 dBm					M	1[1] 	I		27.64 dBm 00400 GHz
20 dBm									
10 dBm									
0 dBm	monana	marian		many					
-10 dBm	D1 -13.000	dBm							
-20 dBm					4				
/ -30 dBm				r (1	when more thank	Anno		
-40 dBm							- wrenne	Marian	mandrow
-50 dBm									
-60 dBm									
CF 1.91 GH	l Hz	1		1001	l pts	1	<u> </u>	Spa	n 6.0 MHz
					Mea	asuring		2	22.12.2016 15:58:58

5.1.1.4.3 Test RB=15RB

Date: 22.DEC.2016 15:58:59

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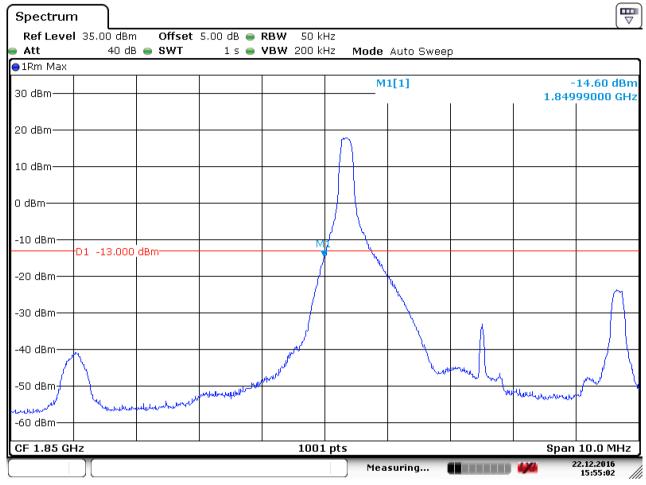


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5.1.1.5 Test Mode = LTE/TM1 5MHz

5.1.1.5.1 Test Channel = LCH

5.1.1.5.1.1 Test RB=1RB



Date: 22.DEC.2016 15:55:02



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Spectrum										
Ref Level	35.00 dBr	n Offset	5.00 dB 👄	RBW 50 kł	Ηz					`````````````````````````````````
Att	40 d	B 🔵 SWT	1 s 👄	VBW 200 kł	Ηz	Mode	Auto Swe	ер		
●1Rm Max			_							
30 dBm						M	1[1]	1		26.13 dBm 99000 GHz
20 dBm										
10 dBm										
0 dBm						mar		ulun		manning
-10 dBm	D1 -13.000] dBm								
-20 dBm				M	1					
-30 dBm				, second	7					
-40 dBm	manner	- Armenter								
-50 dBm										
-60 dBm										
CF 1.85 GH	z		•	1001	pt	s			Span	10.0 MHz
)[) Mea	suring		4/4	22.12.2016 15:53:45

5.1.1.5.1.2 Test RB=25RB

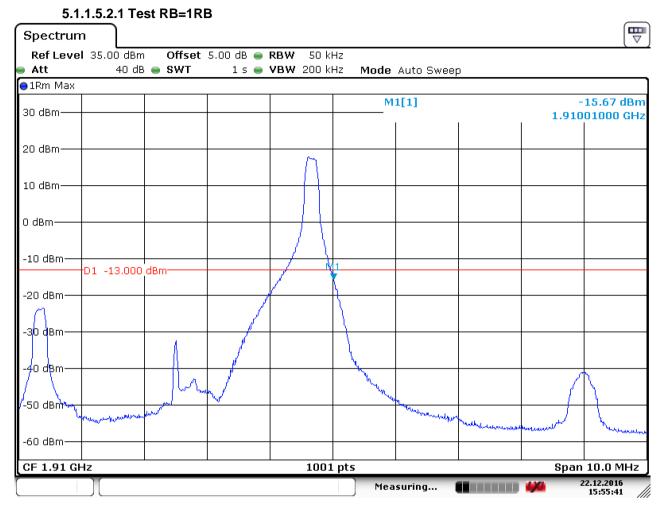
Date: 22.DEC.2016 15:53:45

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Date: 22.DEC.2016 15:55:42



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	.1.5.2.2 10	51 ND=201								
Spectrum	n									(₩
Ref Level e Att	l 35.00 dBm 40 dB) Offset S 👄 SWT	5.00 dB 👄 1 s 👄	RBW 50 k VBW 200 k		Mode	Auto Swee	эр		
⊖1Rm Max		-								
30 dBm						M	1[1]	I		25.53 dBm 01000 GHz
20 dBm										
10 dBm										
0 øBm	and a second	un an	and the second							
-10 dBm	D1 -13.000	dBm								
120 dBm					1					
-30 dBm					K	* Bit when the state	- marken and a marke	manalu_mana		
-40 dBm									manne	m
-50 dBm										harring
-60 dBm										
CF 1.91 GF	l Hz			100	1 pts				 Span	10.0 MHz
					·)	Mea	suring		-	22.12.2016 15:57:29

5.1.1.5.2.2 Test RB=25RB

Date: 22.DEC.2016 15:57:29

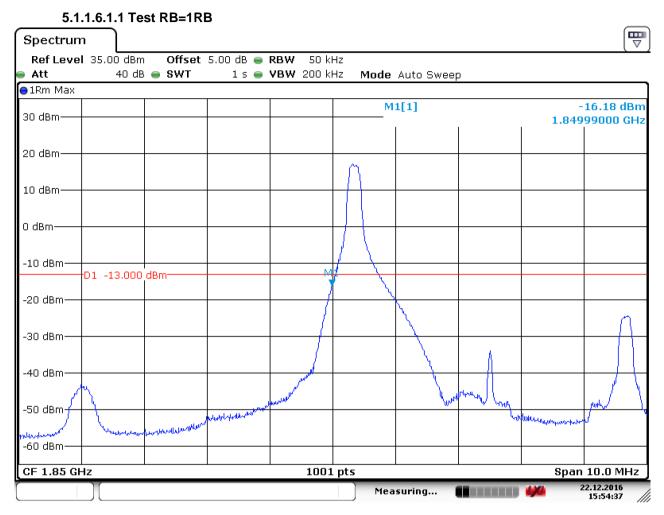
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5.1.1.6 Test Mode = LTE/TM2 5MHz

5.1.1.6.1 Test Channel = LCH



Date: 22.DEC.2016 15:54:38



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Spectrum	<u> </u>										
Ref Level	35.00	dBm	Offset	5.00 dB 👄	RBW 50 k	Hz					
🗕 Att	4	O dB 🛛	e swt	1 s 👄	VBW 200 k	Hz	Mode	Auto Swee	эр		
⊖1Rm Max											
30 dBm							M	1[1]	1		·27.73 dBm 99000 GHz
20 dBm											
10 dBm											
0 dBm							procensitioner	hormon	den rumania		
-10 dBm	D1 -13.	000 d	Bm								
-20 dBm					M	1					
-30 dBm				and the state of the							
-40 dBm	and a second	mont									
-50 dBm											
-60 dBm											
CF 1.85 GH	z				1001	. pi	ts			_	10.0 MHz
[П						Mea	suring		4/4 2	22.12.2016 15:54:13

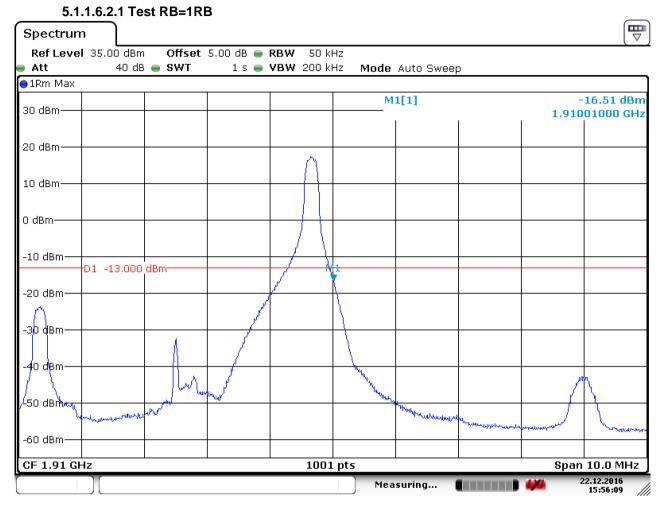
5.1.1.6.1.2 Test RB=25RB

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Date: 22.DEC.2016 15:56:09



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Spectrum	ı)								
	35.00 dBm		: 5.00 dB 👄						
Att	40 dB	SWT 😑 SWT	1 s 👄	VBW 200 k	Hz Mode	Auto Swee	эр		
⊖1Rm Max		1		1					
30 dBm					M	1[1]			·27.14 dBm 01000 GHz
20 dBm									
10 dBm									
0 dBm	- har and the	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	e more and	hannen					
-10 dBm	D1 -13.000	dBm							
-20 dBm									
-30 dBm				R	1 minutes				
-40 dBm						mon	man mar and	manno	
-50 dBm									
-60 dBm									
CF 1.91 GH	lz			100:	L pts				10.0 MHz
][]				Mea	suring		4/0 2	22.12.2016 15:56:57

5.1.1.6.2.2 Test RB=25RB

Date: 22.DEC.2016 15:56:58

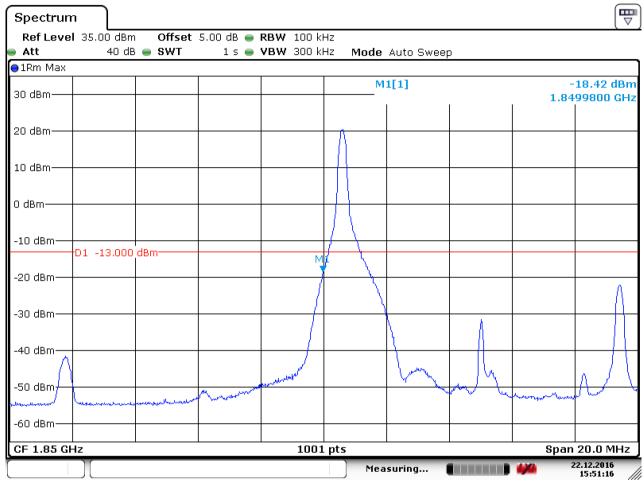


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5.1.1.7 Test Mode = LTE/TM1 10MHz

5.1.1.7.1 Test Channel = LCH

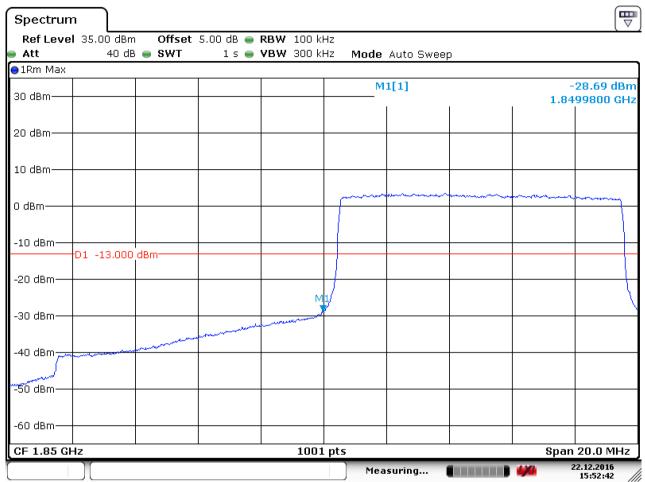
5.1.1.7.1.1 Test RB=1RB



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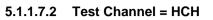
5.1.1.7.1.2 Test RB=50RB

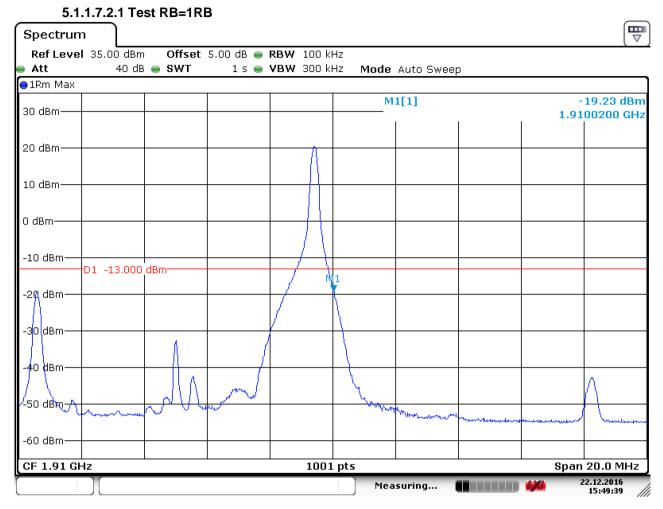
Date: 22.DEC.2016 15:52:43

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Spectrum		St KD=30							
	35.00 dBm	Offset	5.00 dB 👄 1 s 👄	RBW 100 k VBW 300 k		Auto Swee	р		(~
⊖1Rm Max									
30 dBm					M	1[1]	1		30.67 dBm 00200 GHz
20 dBm									
10 dBm									
0 dBm	ᠧ᠋ᡔᢦᡔᡊ᠆ᡇᡘ᠊ᢦᠵᠬ	p	monorthe	monenay					
-10 dBm	D1 -13.000	dBm							
-20 dBm									
-30 dBm				<u> </u>	1				
-40 dBm					a and a free free free free free free free fr	way berneredae	monorman	- and	
-50 dBm									m
-60 dBm									
	•								
CF 1.91 GH	iz			1001					20.0 MHz
Į – – – –	Д				Mea	isuring		4/4 2	22.12.2016 15:47:50

5.1.1.7.2.2 Test RB=50RB

Date: 22.DEC.2016 15:47:50

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