

Report No.: SZEM180100021803 Page: 1 of 92

# Appendix B

E-UTRA Band26 (824-849)



Report No.: SZEM180100021803 Page: 2 of 92

### CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA	3
2	PEAK-TO-AVERAGE RATIO	.18
	2.1 For LTE	19
	2.1.1 Test Band = LTE band26	19
3	MODULATION CHARACTERISTICS	.24
	3.1 For LTE	24
	3.1.1 Test Band = LTE band26	24
4	BANDWIDTH	.26
	4.1 FOR LTE	28
	4.1.1 Test Band = LTE band26	28
5	BAND EDGES COMPLIANCE	.51
	5.1 For LTE	51
	5.1.1 Test Band = LTE band26	51
6	SPURIOUS EMISSION AT ANTENNA TERMINAL	.82
	6.1 FOR LTE	82
7	FIELD STRENGTH OF SPURIOUS RADIATION	.86
	7.1 For LTE	86
	7.1.1 Test Band = LTE band26	86
8	FREQUENCY STABILITY	.89
	8.1 FREQUENCY ERROR VS. VOLTAGE	89
	8.2 FREQUENCY ERROR VS. TEMPERATURE	90



Report No.: SZEM180100021803 Page: 3 of 92

### 1 Effective (Isotropic) Radiated Power Output Data

### Effective Radiated Power of Transmitter (ERP) for LTE BAND 26

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	23.01	20.92	38.45	PASS
				RB1#2	23.05	20.96	38.45	PASS
				RB1#5	23.07	20.98	38.45	PASS
			LCH	RB3#0	22.94	20.85	38.45	PASS
				RB3#2	22.95	20.86	38.45	PASS
				RB3#3	22.99	20.9	38.45	PASS
				RB6#0	21.78	19.69	38.45	PASS
				RB1#0	22.96	20.87	38.45	PASS
				RB1#2	22.63	20.54	38.45	PASS
				RB1#5	22.93	20.84	38.45	PASS
BAND26	LTE/TM1	1.4M	MCH	RB3#0	22.81	20.72	38.45	PASS
				RB3#2	22.52	20.43	38.45	PASS
				RB3#3	22.85	20.76	38.45	PASS
				RB6#0	21.92	19.83	38.45	PASS
				RB1#0	22.92	20.83	38.45	PASS
				RB1#2	22.51	20.42	38.45	PASS
				RB1#5	23.01	20.92	38.45	PASS
			НСН	RB3#0	22.82	20.73	38.45	PASS
				RB3#2	22.77	20.68	38.45	PASS
				RB3#3	22.88	20.79	38.45	PASS
				RB6#0	21.67	19.58	38.45	PASS



Report No.: SZEM180100021803 Page: 4 of 92

Page: 4 of 92								
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	21.71	19.62	38.45	PASS
				RB1#2	21.72	19.63	38.45	PASS
				RB1#5	21.78	19.69	38.45	PASS
			LCH	RB3#0	21.83	19.74	38.45	PASS
				RB3#2	21.72	19.63	38.45	PASS
				RB3#3	21.83	19.74	38.45	PASS
				RB6#0	20.91	18.82	38.45	PASS
				RB1#0	21.91	19.82	38.45	PASS
	LTE/TM2	1.4M		RB1#2	21.66	19.57	38.45	PASS
			MCH	RB1#5	21.89	19.8	38.45	PASS
BAND26				RB3#0	21.93	19.84	38.45	PASS
				RB3#2	22.07	19.98	38.45	PASS
				RB3#3	21.92	19.83	38.45	PASS
				RB6#0	20.72	18.63	38.45	PASS
				RB1#0	21.82	19.73	38.45	PASS
				RB1#2	21.44	19.35	38.45	PASS
				RB1#5	21.82	19.73	38.45	PASS
			НСН	RB3#0	21.84	19.75	38.45	PASS
				RB3#2	21.81	19.72	38.45	PASS
				RB3#3	21.93	19.84	38.45	PASS
				RB6#0	20.87	18.78	38.45	PASS



Report No.: SZEM180100021803 Page: 5 of 92

r	r	1	· · · · · · · · · · · · · · · · · · ·		Page:	5 of 92	2	
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	20.96	18.87	38.45	PASS
				RB1#2	20.78	18.69	38.45	PASS
				RB1#5	21.05	18.96	38.45	PASS
			LCH	RB3#0	20.86	18.77	38.45	PASS
				RB3#2	20.97	18.88	38.45	PASS
				RB3#3	20.71	18.62	38.45	PASS
				RB6#0	19.62	17.53	38.45	PASS
				RB1#0	20.97	18.88	38.45	PASS
				RB1#2	20.92	18.83	38.45	PASS
				RB1#5	21.27	19.18	38.45	PASS
BAND26	LTE/TM3	1.4M	МСН	RB3#0	20.95	18.86	38.45	PASS
				RB3#2	20.91	18.82	38.45	PASS
				RB3#3	20.93	18.84	38.45	PASS
				RB6#0	19.95	17.86	38.45	PASS
				RB1#0	20.91	18.82	38.45	PASS
				RB1#2	20.89	18.8	38.45	PASS
				RB1#5	21.06	18.97	38.45	PASS
			НСН	RB3#0	20.92	18.83	38.45	PASS
				RB3#2	20.88	18.79	38.45	PASS
				RB3#3	21.13	19.04	38.45	PASS
				RB6#0	19.94	17.85	38.45	PASS



Report No.: SZEM180100021803 Page: 6 of 92

<b></b>		1			Page:	6 of 92	2	
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	22.87	20.78	38.45	PASS
				RB1#7	22.89	20.8	38.45	PASS
				RB1#14	22.88	20.79	38.45	PASS
			LCH	RB8#0	21.94	19.85	38.45	PASS
				RB8#4	21.91	19.82	38.45	PASS
				RB8#7	21.88	19.79	38.45	PASS
				RB15#0	21.99	19.9	38.45	PASS
				RB1#0	22.88	20.79	38.45	PASS
				RB1#7	22.83	20.74	38.45	PASS
				RB1#14	22.84	20.75	38.45	PASS
BAND26	LTE/TM1	ЗМ	МСН	RB8#0	21.95	19.86	38.45	PASS
				RB8#4	21.74	19.65	38.45	PASS
				RB8#7	21.87	19.78	38.45	PASS
				RB15#0	21.85	19.76	38.45	PASS
				RB1#0	22.98	20.89	38.45	PASS
				RB1#7	22.98	20.89	38.45	PASS
				RB1#14	22.97	20.88	38.45	PASS
			НСН	RB8#0	21.92	19.83	38.45	PASS
				RB8#4	21.93	19.84	38.45	PASS
				RB8#7	21.76	19.67	38.45	PASS
				RB15#0	21.89	19.8	38.45	PASS



Report No.: SZEM180100021803 Page: 7 of 92

<b></b>					Page:	7 of 92	2	
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	22.34	20.25	38.45	PASS
				RB1#7	22.29	20.2	38.45	PASS
				RB1#14	22.24	20.15	38.45	PASS
			LCH	RB8#0	20.88	18.79	38.45	PASS
				RB8#4	20.85	18.76	38.45	PASS
				RB8#7	20.87	18.78	38.45	PASS
				RB15#0	20.91	18.82	38.45	PASS
				RB1#0	22.32	20.23	38.45	PASS
				RB1#7	22.23	20.14	38.45	PASS
	LTE/TM2	ЗМ	MCH	RB1#14	22.29	20.2	38.45	PASS
BAND26				RB8#0	20.78	18.69	38.45	PASS
				RB8#4	20.83	18.74	38.45	PASS
				RB8#7	20.81	18.72	38.45	PASS
				RB15#0	20.82	18.73	38.45	PASS
				RB1#0	21.78	19.69	38.45	PASS
				RB1#7	21.79	19.7	38.45	PASS
				RB1#14	21.77	19.68	38.45	PASS
			НСН	RB8#0	20.81	18.72	38.45	PASS
				RB8#4	20.77	18.68	38.45	PASS
				RB8#7	20.75	18.66	38.45	PASS
				RB15#0	20.89	18.8	38.45	PASS



Report No.: SZEM180100021803 Page: 8 of 92

Page: 8 of 92								
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	21.34	19.25	38.45	PASS
				RB1#7	21.30	19.21	38.45	PASS
				RB1#14	20.30	18.21	38.45	PASS
			LCH	RB8#0	20.14	18.05	38.45	PASS
				RB8#4	20.14	18.05	38.45	PASS
				RB8#7	20.11	18.02	38.45	PASS
				RB15#0	20.18	18.09	38.45	PASS
				RB1#0	21.23	19.14	38.45	PASS
	LTE/TM3	ЗМ		RB1#7	20.41	18.32	38.45	PASS
			МСН	RB1#14	21.32	19.23	38.45	PASS
BAND26				RB8#0	20.08	17.99	38.45	PASS
				RB8#4	20.02	17.93	38.45	PASS
				RB8#7	20.04	17.95	38.45	PASS
				RB15#0	20.10	18.01	38.45	PASS
				RB1#0	21.23	19.14	38.45	PASS
				RB1#7	20.71	18.62	38.45	PASS
				RB1#14	21.23	19.14	38.45	PASS
			НСН	RB8#0	19.98	17.89	38.45	PASS
				RB8#4	20.00	17.91	38.45	PASS
				RB8#7	19.94	17.85	38.45	PASS
				RB15#0	20.00	17.91	38.45	PASS



Report No.: SZEM180100021803 Page: 9 of 92

Page: 9 of 92								
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	23.05	20.96	38.45	PASS
				RB1#13	23.01	20.92	38.45	PASS
				RB1#24	22.99	20.9	38.45	PASS
			LCH	RB12#0	21.94	19.85	38.45	PASS
				RB12#6	21.93	19.84	38.45	PASS
				RB12#13	21.99	19.9	38.45	PASS
				RB25#0	21.91	19.82	38.45	PASS
				RB1#0	23.01	20.92	38.45	PASS
		5M		RB1#13	22.94	20.85	38.45	PASS
			МСН	RB1#24	22.92	20.83	38.45	PASS
BAND26	LTE/TM1			RB12#0	22.02	19.93	38.45	PASS
				RB12#6	21.88	19.79	38.45	PASS
				RB12#13	21.93	19.84	38.45	PASS
				RB25#0	21.85	19.76	38.45	PASS
				RB1#0	22.94	20.85	38.45	PASS
				RB1#13	22.93	20.84	38.45	PASS
				RB1#24	22.89	20.8	38.45	PASS
			НСН	RB12#0	21.96	19.87	38.45	PASS
				RB12#6	21.84	19.75	38.45	PASS
				RB12#13	21.94	19.85	38.45	PASS
				RB25#0	21.93	19.84	38.45	PASS



Report No.: SZEM180100021803 Page: 10 of 92

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	21.75	19.66	38.45	PASS
				RB1#13	21.67	19.58	38.45	PASS
				RB1#24	21.62	19.53	38.45	PASS
			LCH	RB12#0	20.94	18.85	38.45	PASS
				RB12#6	20.86	18.77	38.45	PASS
				RB12#13	20.87	18.78	38.45	PASS
	LTE/TM2			RB25#0	20.82	18.73	38.45	PASS
		5M		RB1#0	22.02	19.93	38.45	PASS
				RB1#13	22.04	19.95	38.45	PASS
			МСН	RB1#24	21.97	19.88	38.45	PASS
BAND26				RB12#0	20.95	18.86	38.45	PASS
				RB12#6	20.88	18.79	38.45	PASS
				RB12#13	20.88	18.79	38.45	PASS
				RB25#0	20.85	18.76	38.45	PASS
				RB1#0	21.98	19.89	38.45	PASS
				RB1#13	21.97	19.88	38.45	PASS
				RB1#24	21.93	19.84	38.45	PASS
			НСН	RB12#0	20.93	18.84	38.45	PASS
				RB12#6	20.86	18.77	38.45	PASS
				RB12#13	20.87	18.78	38.45	PASS
				RB25#0	20.88	18.79	38.45	PASS



Report No.: SZEM180100021803 Page: 11 of 92

Page: 11 of 92								I
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	21.36	19.27	38.45	PASS
				RB1#13	21.42	19.33	38.45	PASS
				RB1#24	21.32	19.23	38.45	PASS
			LCH	RB12#0	20.22	18.13	38.45	PASS
				RB12#6	20.11	18.02	38.45	PASS
				RB12#13	20.19	18.1	38.45	PASS
				RB25#0	20.14	18.05	38.45	PASS
				RB1#0	21.22	19.13	38.45	PASS
	LTE/TM3	5M		RB1#13	21.3	19.21	38.45	PASS
			МСН	RB1#24	21.29	19.2	38.45	PASS
BAND26				RB12#0	20.13	18.04	38.45	PASS
				RB12#6	20.12	18.03	38.45	PASS
				RB12#13	20.16	18.07	38.45	PASS
				RB25#0	20.09	18	38.45	PASS
				RB1#0	21.23	19.14	38.45	PASS
				RB1#13	21.22	19.13	38.45	PASS
				RB1#24	21.18	19.09	38.45	PASS
			НСН	RB12#0	20.13	18.04	38.45	PASS
				RB12#6	19.98	17.89	38.45	PASS
				RB12#13	20.11	18.02	38.45	PASS
				RB25#0	20.03	17.94	38.45	PASS



Report No.: SZEM180100021803 Page: 12 of 92

Page: 12 of 92								1
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	23.01	20.92	38.45	PASS
				RB1#25	22.86	20.77	38.45	PASS
				RB1#49	22.93	20.84	38.45	PASS
			LCH	RB25#0	21.97	19.88	38.45	PASS
				RB25#13	22.01	19.92	38.45	PASS
				RB25#25	21.94	19.85	38.45	PASS
				RB50#0	21.96	19.87	38.45	PASS
				RB1#0	22.92	20.83	38.45	PASS
	LTE/TM1	10M		RB1#25	22.57	20.48	38.45	PASS
			МСН	RB1#49	22.83	20.74	38.45	PASS
BAND26				RB25#0	21.98	19.89	38.45	PASS
				RB25#13	21.89	19.8	38.45	PASS
				RB25#25	21.96	19.87	38.45	PASS
				RB50#0	21.96	19.87	38.45	PASS
				RB1#0	23.04	20.95	38.45	PASS
				RB1#25	22.75	20.66	38.45	PASS
				RB1#49	22.93	20.84	38.45	PASS
			НСН	RB25#0	21.95	19.86	38.45	PASS
				RB25#13	21.9	19.81	38.45	PASS
				RB25#25	21.92	19.83	38.45	PASS
				RB50#0	21.91	19.82	38.45	PASS



Report No.: SZEM180100021803 Page: 13 of 92

		_			Page:	13 of 9	1	
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdic t
				RB1#0	21.98	19.89	38.45	PASS
				RB1#25	21.67	19.58	38.45	PASS
				RB1#49	21.87	19.78	38.45	PASS
			LCH	RB25#0	20.98	18.89	38.45	PASS
				RB25#13	20.95	18.86	38.45	PASS
				RB25#25	20.93	18.84	38.45	PASS
				RB50#0	20.88	18.79	38.45	PASS
				RB1#0	21.97	19.88	38.45	PASS
				RB1#25	21.32	19.23	38.45	PASS
		10M		RB1#49	21.82	19.73	38.45	PASS
BAND26	LTE/TM2		MCH	RB25#0	20.89	18.8	38.45	PASS
				RB25#13	20.87	18.78	38.45	PASS
				RB25#25	20.83	18.74	38.45	PASS
				RB50#0	20.81	18.72	38.45	PASS
				RB1#0	22.02	19.93	38.45	PASS
				RB1#25	21.92	19.83	38.45	PASS
				RB1#49	21.89	19.8	38.45	PASS
			НСН	RB25#0	20.91	18.82	38.45	PASS
				RB25#13	20.88	18.79	38.45	PASS
				RB25#25	20.86	18.77	38.45	PASS
				RB50#0	20.87	18.78	38.45	PASS
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Report No.: SZEM180100021803 Page: 14 of 92

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdic t
				RB1#0	21.58	19.49	38.45	PASS
				RB1#25	21.40	19.31	38.45	PASS
				RB1#49	20.88	18.79	38.45	PASS
			LCH	RB25#0	20.1	18.01	38.45	PASS
				RB25#13	20.19	18.1	38.45	PASS
				RB25#25	20.15	18.06	38.45	PASS
				RB50#0	20.07	17.98	38.45	PASS
				RB1#0	21.38	19.29	38.45	PASS
				RB1#25	21.50	19.41	38.45	PASS
				RB1#49	21.50	19.41	38.45	PASS
BAND26	LTE/TM3	10M	МСН	RB25#0	20.00	17.91	38.45	PASS
				RB25#13	20.09	18	38.45	PASS
				RB25#25	20.06	17.97	38.45	PASS
				RB50#0	20.08	17.99	38.45	PASS
				RB1#0	21.02	18.93	38.45	PASS
				RB1#25	21.16	19.07	38.45	PASS
				RB1#49	21.34	19.25	38.45	PASS
			НСН	RB25#0	20.01	17.92	38.45	PASS
				RB25#13	19.97	17.88	38.45	PASS
				RB25#25	20.11	18.02	38.45	PASS
				RB50#0	20.14	18.05	38.45	PASS



Report No.: SZEM180100021803 Page: 15 of 92

·					Page:	15 of 9	1	
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdic t
				RB1#0	22.91	20.82	38.45	PASS
				RB1#25	22.95	20.86	38.45	PASS
				RB1#49	22.76	20.67	38.45	PASS
			LCH	RB25#0	22.02	19.93	38.45	PASS
				RB25#13	21.97	19.88	38.45	PASS
				RB25#25	21.96	19.87	38.45	PASS
				RB50#0	21.95	19.86	38.45	PASS
				RB1#0	22.84	20.75	38.45	PASS
				RB1#25	22.84	20.75	38.45	PASS
		15M		RB1#49	22.73	20.64	38.45	PASS
BAND26	LTE/TM1		МСН	RB25#0	22.04	19.95	38.45	PASS
				RB25#13	21.91	19.82	38.45	PASS
				RB25#25	21.91	19.82	38.45	PASS
				RB50#0	21.94	19.85	38.45	PASS
				RB1#0	22.87	20.78	38.45	PASS
				RB1#25	22.85	20.76	38.45	PASS
				RB1#49	22.75	20.66	38.45	PASS
			НСН	RB25#0	21.98	19.89	38.45	PASS
				RB25#13	21.88	19.79	38.45	PASS
				RB25#25	21.94	19.85	38.45	PASS
				RB50#0	21.93	19.84	38.45	PASS



Report No.: SZEM180100021803 Page: 16 of 92

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdic t
				RB1#0	21.86	19.77	38.45	PASS
				RB1#25	21.89	19.8	38.45	PASS
				RB1#49	21.93	19.84	38.45	PASS
			LCH	RB25#0	20.89	18.8	38.45	PASS
				RB25#13	20.97	18.88	38.45	PASS
				RB25#25	20.83	18.74	38.45	PASS
				RB50#0	20.90	18.81	38.45	PASS
		15M		RB1#0	22.04	19.95	38.45	PASS
				RB1#25	21.98	19.89	38.45	PASS
				RB1#49	21.77	19.68	38.45	PASS
BAND26	LTE/TM2		MCH	RB25#0	20.98	18.89	38.45	PASS
				RB25#13	20.94	18.85	38.45	PASS
				RB25#25	20.86	18.77	38.45	PASS
				RB50#0	20.89	18.8	38.45	PASS
				RB1#0	22.03	19.94	38.45	PASS
				RB1#25	21.94	19.85	38.45	PASS
				RB1#49	21.82	19.73	38.45	PASS
			НСН	RB25#0	20.94	18.85	38.45	PASS
				RB25#13	20.84	18.75	38.45	PASS
				RB25#25	20.89	18.8	38.45	PASS
				RB50#0	20.88	18.79	38.45	PASS



Report No.: SZEM180100021803 Page: 17 of 92

	<b></b>	<b></b>		r	Page:	17 of 9		
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdic t
				RB1#0	21.53	19.44	38.45	PASS
				RB1#25	21.12	19.03	38.45	PASS
				RB1#49	20.87	18.78	38.45	PASS
			LCH	RB25#0	20.24	18.15	38.45	PASS
				RB25#13	20.17	18.08	38.45	PASS
				RB25#25	20.13	18.04	38.45	PASS
				RB50#0	20.20	18.11	38.45	PASS
				RB1#0	21.19	19.1	38.45	PASS
				RB1#25	21.26	19.17	38.45	PASS
		15M		RB1#49	21.40	19.31	38.45	PASS
BAND26	LTE/TM3		МСН	RB25#0	20.24	18.15	38.45	PASS
				RB25#13	20.20	18.11	38.45	PASS
				RB25#25	20.01	17.92	38.45	PASS
				RB50#0	20.17	18.08	38.45	PASS
				RB1#0	21.54	19.45	38.45	PASS
				RB1#25	21.15	19.06	38.45	PASS
				RB1#49	21.57	19.48	38.45	PASS
			НСН	RB25#0	20.16	18.07	38.45	PASS
				RB25#13	20.12	18.03	38.45	PASS
				RB25#25	20.04	17.95	38.45	PASS
				RB50#0	20.03	17.94	38.45	PASS

Note:

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

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

b: SGP=Signal Generator Level

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

Detector: RMS



Report No.: SZEM180100021803 Page: 18 of 92

### 2 Peak-to-Average Ratio

#### Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
		LCH	5.39	13	PASS
	TM1/15M	MCH	5.62	13	PASS
		НСН	5.54	13	PASS
		LCH	6.32	13	PASS
Band 26	TM2/15M	MCH	6.52	13	PASS
		НСН	6.58	13	PASS
		LCH	6.14	13	PASS
	TM3/15M	MCH	6.26	13	PASS
		НСН	6.23	13	PASS



Report No.: SZEM180100021803 Page: 19 of 92

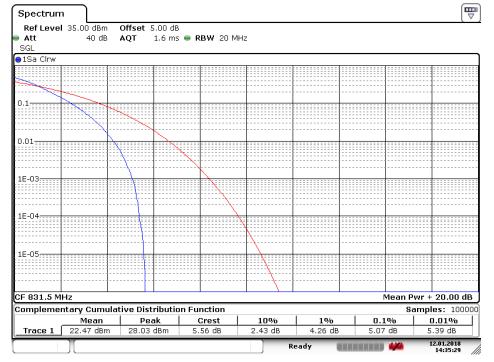
Part II - Test Plots

### 2.1 For LTE

2.1.1 Test Band = LTE band26

### 2.1.1.1 Test Mode = LTE/TM1.Bandwidth=15MHz

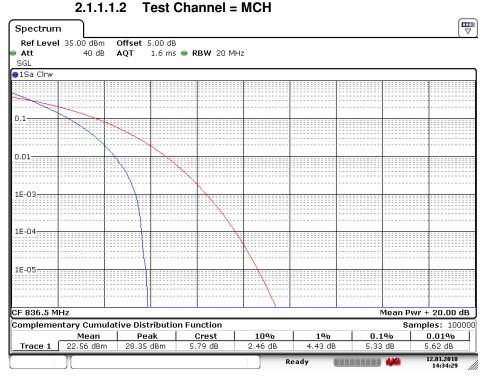




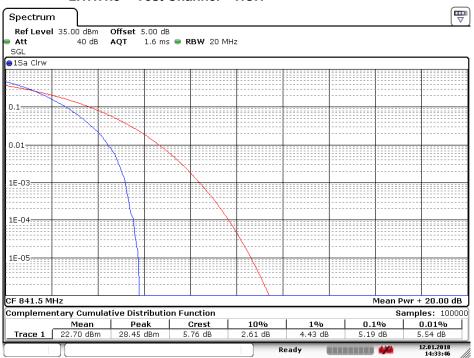
Date: 12.JAN.2018 14:35:29



Report No.: SZEM180100021803 Page: 20 of 92



Date: 12.JAN.2018 14:34:30



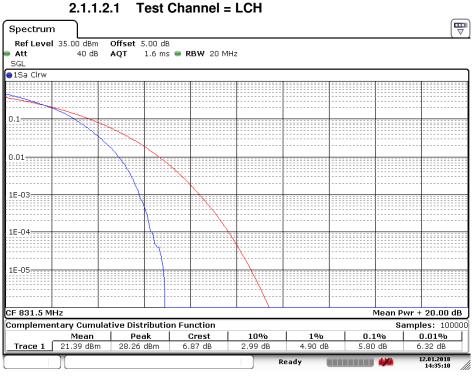
2.1.1.1.3 Test Channel = HCH

Date: 12.JAN.2018 14:33:46



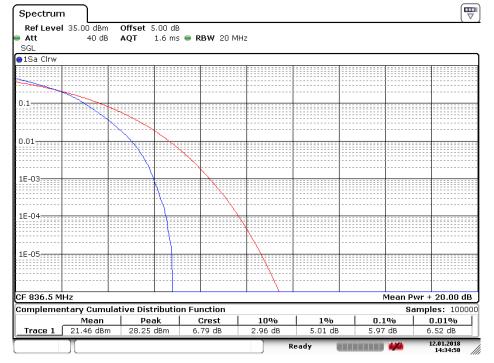
Report No.: SZEM180100021803 Page: 21 of 92

#### 2.1.1.2 Test Mode = LTE/TM2.Bandwidth=15MHz



Date: 12.JAN.2018 14:35:11

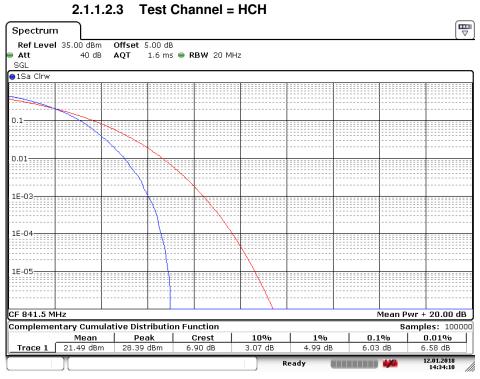




Date: 12.JAN.2018 14:34:50

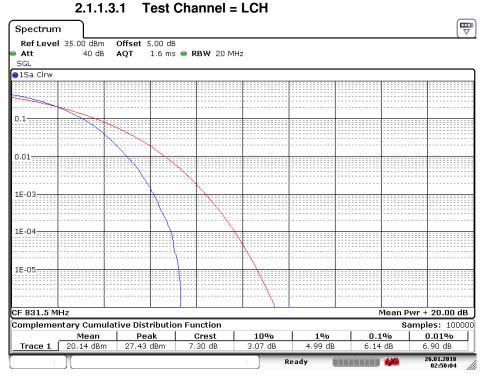


Report No.: SZEM180100021803 Page: 22 of 92



Date: 12.JAN.2018 14:34:10

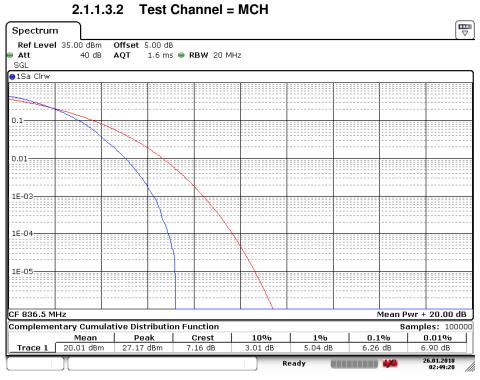
### 2.1.1.3 Test Mode = LTE/TM3.Bandwidth=15MHz



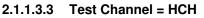
Date: 26.JAN.2018 02:50:04



Report No.: SZEM180100021803 Page: 23 of 92



Date: 26.JAN.2018 02:49:20





Date: 26.JAN.2018 02:48:44



Report No.: SZEM180100021803 Page: 24 of 92

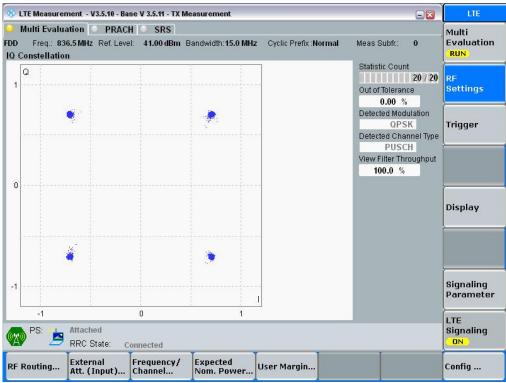
### 3 Modulation Characteristics

### 3.1 For LTE

### 3.1.1 Test Band = LTE band26

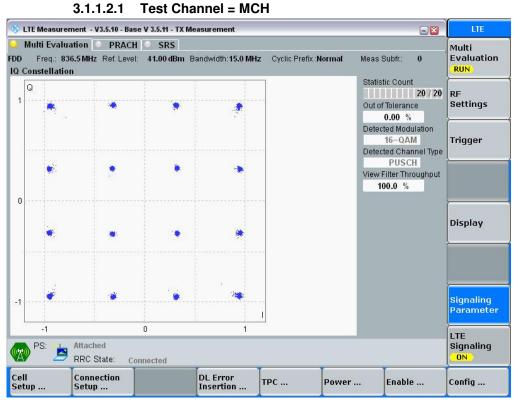
#### 3.1.1.1 Test Mode = LTE /TM1 15MHz

#### 3.1.1.1.1 Test Channel = MCH





Report No.: SZEM180100021803 Page: 25 of 92



### 3.1.1.2 Test Mode = LTE /TM2 15MHz

3.1.1.3 Test Mode = LTE /TM3 15MHz

#### 3.1.1.3.1 Test Channel = MCH

Fundamental ) Constellation	L Channel 26915 ch peration Band 26	Channel Ba			ut Leve	0 dBm el 5 dBm	This sets the uplin When changing the downlink channel,	e setting v			
Fundamental / Constellation       —       Fundamental         0 Symbol       1-1.0804 Q 1.0794       Meas. Count:       1/       1         0 Symbol       1-1.0804 Q 1.0794       Meas. Count:       1/       1         0 Symbol       1       1       Sub Screen       Constellation         0 Symbol       1       1       Number of RB       Starting RB         0 Starting RB       1       1       Starting RB       Interpolation (Constellation)         0 Symbol       1       1       1       Number of RB         1 Sub Screen       1       1       1       Number of RB         1 Sub Screen       1       1       1       Number of RB         1 Sub Screen       1       1       1       Number of RB         1 Sub Screen       1       1       1       Number of RB         1 Sub Screen       1       1       1       Number of RB         1 Sub Screen       1       1       1       Number of RB         1 Sub Screen       1       1       1       Number of RB         1 Sub Screen       1       1       1       Number of RB         1 Sub Screen       1       1       1       Numb	Measurem	ent	:	Signa	ling				UE F	ower :	19.3 di
0 Symbol 1 - 1.0804 Q 10794 Meas. Count: 1/ 1 Sub Screen Constellation Number of RB Starting RB Starting RB Starting RB Interpetation (Contral N N N N N N N N N N N N N	Fundamental  Co	nstellation							—		
R       I			794				Meas. Count :	1/			
Q										Conste	llation
Q         Image         Ima				* * * *		х ж х ж				Numbe	er of RB 7
Image: state of the s	Q			•••							
Avg.         Max.         Min.           EVM         1.60         1.60         1.60 %(rms)           Peak Vector Error         18.60         18.60 %         18.60 %           Carrier Leakage         -51.87         -51.87 dBc         -51.87 dBc										Interpolatio	on (Constellatio None
Avg.         Max.         Min.           EVM         1.60         1.60         1.60 %(rms)           Peak Vector Error         18.60         18.60 %         18.60 %           Carrier Leakage         -51.87         -51.87 dBc         -51.87 dBc											
Avg.         Max.         Min.           EVM         1.60         1.60         1.60 %(rms)           Peak Vector Error         18.60         18.60 %         18.60 %           Carrier Leakage         -51.87         -51.87 dBc         -51.87 dBc											
Peak Vector Error         18.60         18.60         18.60           Carrier Leakage         -51.87         -51.87         dBc					N						
Carrier Leakage -51.87 -51.87 -51.87 dBc											
IQ Imbalance 99.93 99.93 99.93 %(I/Q)											

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Report No.: SZEM180100021803 Page: 26 of 92

### 4 Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		LCH	1.11	1.24	PASS
	TM1/1.4MHz	MCH	1.10	1.24	PASS
		HCH	1.10	1.25	PASS
		LCH	1.10	1.25	PASS
	TM2/1.4MHz	MCH	1.10	1.24	PASS
		HCH	1.10	1.25	PASS
Band 26		LCH	1.10	1.25	PASS
	TM3/1.4MHz	MCH	1.10	1.25	PASS
		HCH	1.10	1.25	PASS
		LCH	2.69	2.92	PASS
	TM1/3MHz	MCH	2.69	2.94	PASS
		HCH	2.69	2.94	PASS
	TM2/3MHz	LCH	2.69	2.91	PASS



Report No.: SZEM180100021803 Page: 27 of 92

Test Band         Test Mode         Channel         [MHz]         Bandwidth [MHz]         Verolect           MCH         2.69         2.93         PASS           HCH         2.68         2.93         PASS           LCH         2.69         2.93         PASS           TM3/3MHz         MCH         2.69         2.93         PASS           HCH         4.48         4.92         PASS           HCH         4.47         4.88         PASS           HCH         4.47         4.88         PASS           TM2/5MHz         MCH         4.47         4.88         PASS           TM3/5MHz         MCH         4.47         4.88         PASS           TM3/5MHz         MCH         4.47         4.86         PASS           TM3/5MHz         MCH         4.87         PASS           HCH         8.91         9.55         PASS           TM1/10MHz         MCH					ige: 27 of 92	
HCH         2.68         2.93         PASS           TM3/3MHz         LCH         2.69         2.93         PASS           TM3/3MHz         MCH         2.69         2.95         PASS           HCH         2.70         2.93         PASS           TM1/5MHz         LCH         4.48         4.92         PASS           TM1/5MHz         MCH         4.29         4.90         PASS           TM2/5MHz         MCH         4.47         4.88         PASS           TM2/5MHz         MCH         4.47         4.88         PASS           TM2/5MHz         MCH         4.47         4.88         PASS           LCH         4.47         4.88         PASS           LCH         4.47         4.88         PASS           LCH         4.47         4.86         PASS           TM3/5MHz         MCH         4.47         4.86         PASS           TM3/5MHz         MCH         4.47         4.86         PASS           TM3/10MHz         MCH         8.97         9.71         PASS           TM2/10MHz         MCH         8.93         9.63         PASS           TM2/10MHz         MCH	Test Band	Test Mode	Test Channel	-		Verdict
LCH         2.69         2.93         PASS           TM3/3MHz         MCH         2.69         2.95         PASS           HCH         2.70         2.93         PASS           TM1/5MHz         LCH         4.48         4.92         PASS           TM1/5MHz         MCH         4.29         4.90         PASS           HCH         4.47         4.88         PASS           TM2/5MHz         MCH         4.47         4.88         PASS           TM2/5MHz         MCH         4.44         4.89         PASS           TM3/5MHz         MCH         4.44         4.88         PASS           LCH         4.47         4.89         PASS           LCH         4.47         4.86         PASS           LCH         4.47         4.87         PASS           MCH         4.47         4.86         PASS           LCH         8.91         9.55         PASS           TM1/10MHz         MCH         8.93         9.63         PASS           TM2/10MHz         MCH         8.93         9.73         PASS           HCH         8.93         9.73         PASS           HCH			MCH	2.69	2.93	PASS
TM3/3MHz         MCH         2.69         2.95         PASS           HCH         2.70         2.93         PASS           TM1/5MHz         LCH         4.48         4.92         PASS           TM1/5MHz         MCH         4.29         4.90         PASS           HCH         4.47         4.88         PASS           TM2/5MHz         LCH         4.47         4.88         PASS           TM2/5MHz         MCH         4.48         4.89         PASS           TM3/5MHz         MCH         4.44         4.88         PASS           TM3/5MHz         MCH         4.47         4.89         PASS           TM3/5MHz         MCH         4.47         4.89         PASS           TM3/5MHz         MCH         4.47         4.87         PASS           TM3/5MHz         MCH         8.91         9.55         PASS           TM1/10MHz         MCH         8.93         9.71         PASS           TM2/10MHz         MCH         8.93         9.73         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           HCH			HCH	2.68	2.93	PASS
HCH         2.70         2.93         PASS           LCH         4.48         4.92         PASS           TM1/5MHz         MCH         4.29         4.90         PASS           HCH         4.47         4.88         PASS           TM2/5MHz         LCH         4.47         4.88         PASS           TM2/5MHz         MCH         4.48         4.89         PASS           TM3/5MHz         MCH         4.47         4.88         PASS           TM3/5MHz         LCH         4.47         4.89         PASS           TM3/5MHz         LCH         4.47         4.89         PASS           TM3/5MHz         LCH         4.47         4.87         PASS           TM3/5MHz         MCH         4.47         4.86         PASS           TM3/5MHz         MCH         8.91         9.55         PASS           TM1/10MHz         MCH         8.93         9.63         PASS           TM2/10MHz         MCH         8.93         9.73         PASS           LCH         8.93         9.73         PASS           TM3/10MHz         MCH         8.99         9.79         PASS           HCH			LCH	2.69	2.93	PASS
LCH         4.48         4.92         PASS           MCH         4.29         4.90         PASS           HCH         4.47         4.88         PASS           TM2/5MHz         LCH         4.47         4.88         PASS           TM2/5MHz         MCH         4.48         4.89         PASS           HCH         4.48         4.89         PASS           HCH         4.48         4.89         PASS           HCH         4.47         4.88         PASS           TM3/5MHz         MCH         4.47         4.89         PASS           TM3/5MHz         MCH         4.47         4.87         PASS           TM3/5MHz         MCH         4.47         4.86         PASS           TM3/5MHz         MCH         4.47         4.86         PASS           TM3/10MHz         MCH         8.91         9.55         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           HCH         8.91         9.59         PASS           HCH         8.91		TM3/3MHz	MCH	2.69	2.95	PASS
TM1/5MHz         MCH         4.29         4.90         PASS           HCH         4.47         4.88         PASS           TM2/5MHz         LCH         4.47         4.88         PASS           TM2/5MHz         MCH         4.48         4.89         PASS           HCH         4.48         4.89         PASS           HCH         4.48         4.89         PASS           TM3/5MHz         MCH         4.47         4.86         PASS           TM3/10MHz         MCH         8.91         9.55         PASS           HCH         8.93         9.63         PASS           HCH         8.93         9.71         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           HCH         8.91         9.59         PASS           HCH         8.91         9.59         PASS           HCH			HCH	2.70	2.93	PASS
HCH         4.47         4.88         PASS           TM2/5MHz         LCH         4.47         4.88         PASS           TM2/5MHz         MCH         4.48         4.89         PASS           HCH         4.48         4.89         PASS           HCH         4.48         4.89         PASS           TM3/5MHz         LCH         4.47         4.89         PASS           HCH         4.47         4.89         PASS           TM3/5MHz         MCH         4.47         4.89         PASS           HCH         4.47         4.89         PASS           HCH         4.47         4.86         PASS           HCH         8.91         9.55         PASS           HCH         8.93         9.63         PASS           HCH         8.93         9.63         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS           HCH			LCH	4.48	4.92	PASS
LCH         4.47         4.88         PASS           MCH         4.48         4.89         PASS           HCH         4.48         4.89         PASS           HCH         4.48         4.89         PASS           LCH         4.47         4.89         PASS           TM3/5MHz         MCH         4.47         4.89         PASS           MCH         4.47         4.89         PASS           MCH         4.47         4.89         PASS           MCH         4.47         4.89         PASS           MCH         4.47         4.86         PASS           MCH         8.91         9.55         PASS           MCH         8.91         9.55         PASS           HCH         8.93         9.63         PASS           MCH         8.93         9.61         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS		TM1/5MHz	MCH	4.29	4.90	PASS
TM2/5MHz         MCH         4.48         4.89         PASS           HCH         4.48         4.88         PASS           TM3/5MHz         LCH         4.47         4.89         PASS           TM3/5MHz         MCH         4.47         4.89         PASS           TM3/5MHz         MCH         4.47         4.87         PASS           TM3/5MHz         MCH         4.47         4.86         PASS           TM1/10MHz         MCH         8.91         9.55         PASS           TM1/10MHz         MCH         8.97         9.71         PASS           TM2/10MHz         MCH         8.93         9.63         PASS           TM2/10MHz         MCH         8.93         9.73         PASS           TM2/10MHz         MCH         8.93         9.73         PASS           HCH         8.93         9.73         PASS           TM3/10MHz         MCH         8.99         9.79         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS           HCH         13.49         14.81         PASS           HCH         13.49			HCH	4.47	4.88	PASS
HCH         4.48         4.88         PASS           LCH         4.47         4.89         PASS           TM3/5MHz         MCH         4.47         4.87         PASS           HCH         4.47         4.87         PASS           HCH         4.47         4.86         PASS           HCH         4.47         4.86         PASS           HCH         8.91         9.55         PASS           TM1/10MHz         MCH         8.97         9.71         PASS           HCH         8.93         9.63         PASS           HCH         8.93         9.63         PASS           TM2/10MHz         MCH         8.93         9.71         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           HCH         8.93         9.79         PASS           HCH         8.91         9.59         PASS           HCH         8.93         9.79         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS           HCH         13.58			LCH	4.47	4.88	PASS
LCH         4.47         4.89         PASS           MCH         4.47         4.87         PASS           HCH         4.47         4.87         PASS           HCH         4.47         4.86         PASS           HCH         4.47         4.86         PASS           TM1/10MHz         LCH         8.91         9.55         PASS           TM1/10MHz         MCH         8.97         9.71         PASS           HCH         8.93         9.63         PASS           HCH         8.93         9.63         PASS           TM2/10MHz         MCH         8.95         9.71         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           HCH         8.93         9.79         PASS           HCH         8.91         9.59         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS           HCH         13.49         14.81         PASS           HCH         13.49 <td></td> <td>TM2/5MHz</td> <td>MCH</td> <td>4.48</td> <td>4.89</td> <td>PASS</td>		TM2/5MHz	MCH	4.48	4.89	PASS
TM3/5MHz         MCH         4.47         4.87         PASS           HCH         4.47         4.86         PASS           HCH         4.47         4.86         PASS           TM1/10MHz         LCH         8.91         9.55         PASS           TM1/10MHz         MCH         8.97         9.71         PASS           HCH         8.93         9.63         PASS           HCH         8.93         9.63         PASS           TM2/10MHz         MCH         8.95         9.71         PASS           TM2/10MHz         MCH         8.93         9.73         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           HCH         8.93         9.79         PASS           HCH         8.93         9.79         PASS           HCH         8.91         9.59         PASS           HCH         8.93         9.79         PASS           HCH         13.46         14.93         PASS           HCH         13.49         14.81         PASS           HCH         13.49         14.81         PASS </td <td></td> <td></td> <td>HCH</td> <td>4.48</td> <td>4.88</td> <td>PASS</td>			HCH	4.48	4.88	PASS
HCH         4.47         4.86         PASS           TM1/10MHz         LCH         8.91         9.55         PASS           TM1/10MHz         MCH         8.97         9.71         PASS           HCH         8.93         9.63         PASS           HCH         8.93         9.63         PASS           TM2/10MHz         LCH         8.91         9.61         PASS           TM2/10MHz         MCH         8.95         9.71         PASS           TM2/10MHz         MCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           HCH         8.93         9.74         PASS           HCH         8.93         9.79         PASS           HCH         8.91         9.59         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS           HCH         13.46         14.99         PASS           HCH         13.46         14.99         PASS           HCH         13.46         14.87         PASS           HCH         13.43         14.84         PASS			LCH	4.47	4.89	PASS
LCH         8.91         9.55         PASS           TM1/10MHz         MCH         8.97         9.71         PASS           HCH         8.93         9.63         PASS           HCH         8.93         9.63         PASS           TM2/10MHz         LCH         8.91         9.61         PASS           TM2/10MHz         MCH         8.95         9.71         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           HCH         8.99         9.79         PASS           HCH         8.91         9.59         PASS           HCH         8.91         9.59         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS           HCH         13.49         14.81         PASS           HCH         13.46         14.75         PASS           HCH         13.46         14.75         PASS           HCH         13.49         14.81         PASS           HCH         13.		TM3/5MHz	MCH	4.47	4.87	PASS
TM1/10MHz         MCH         8.97         9.71         PASS           HCH         8.93         9.63         PASS           HCH         8.91         9.61         PASS           TM2/10MHz         MCH         8.95         9.71         PASS           TM2/10MHz         MCH         8.95         9.71         PASS           HCH         8.93         9.63         PASS           HCH         8.93         9.71         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           HCH         8.93         9.74         PASS           HCH         8.99         9.79         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS           HCH         13.46         14.93         PASS           HCH         13.49         14.81         PASS           HCH         13.43         14.87         PASS           HCH         13.49         14.81         PASS           HCH         13.43         14.84         PASS           HCH         1			HCH	4.47	4.86	PASS
HCH         8.93         9.63         PASS           LCH         8.91         9.61         PASS           TM2/10MHz         MCH         8.95         9.71         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.73         PASS           TM3/10MHz         LCH         8.93         9.74         PASS           TM3/10MHz         MCH         8.99         9.79         PASS           HCH         8.91         9.59         PASS           HCH         8.91         9.59         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS           TM1/15MHz         MCH         13.58         14.99         PASS           HCH         13.46         14.75         PASS           HCH         13.46         14.75         PASS           HCH         13.46         14.81         PASS           HCH         13.43         14.87         PASS           HCH         13.43         14.87         PASS           HCH         13.43         14.84         PASS			LCH	8.91	9.55	PASS
LCH         8.91         9.61         PASS           TM2/10MHz         MCH         8.95         9.71         PASS           HCH         8.93         9.73         PASS           HCH         8.93         9.74         PASS           TM3/10MHz         MCH         8.99         9.74         PASS           TM3/10MHz         MCH         8.99         9.79         PASS           HCH         8.91         9.59         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS           TM1/15MHz         MCH         13.58         14.99         PASS           HCH         13.49         14.81         PASS           HCH         13.46         14.75         PASS           HCH         13.49         14.81         PASS           HCH         13.49         14.87         PASS           HCH         13.49         14.87         PASS           HCH         13.43         14.84         PASS           HCH         13.43         14.84         PASS           HCH         13.58         15.08         PASS		TM1/10MHz	MCH	8.97	9.71	PASS
TM2/10MHz         MCH         8.95         9.71         PASS           HCH         8.93         9.73         PASS           TM3/10MHz         LCH         8.93         9.74         PASS           TM3/10MHz         MCH         8.99         9.79         PASS           HCH         8.91         9.59         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS           TM1/15MHz         MCH         13.58         14.99         PASS           HCH         13.49         14.81         PASS           HCH         13.46         14.75         PASS           HCH         13.49         14.81         PASS           HCH         13.46         14.75         PASS           HCH         13.46         14.75         PASS           HCH         13.49         14.81         PASS           HCH         13.49         14.81         PASS           HCH         13.43         14.84         PASS           HCH         13.43         14.84         PASS           HCH         13.58         15.08         PASS <td></td> <td></td> <td>HCH</td> <td>8.93</td> <td>9.63</td> <td>PASS</td>			HCH	8.93	9.63	PASS
HCH         8.93         9.73         PASS           TM3/10MHz         LCH         8.93         9.74         PASS           TM3/10MHz         MCH         8.99         9.79         PASS           HCH         8.91         9.59         PASS           HCH         8.91         9.59         PASS           TM1/15MHz         LCH         13.46         14.93         PASS           TM1/15MHz         MCH         13.58         14.99         PASS           HCH         13.49         14.81         PASS           TM2/15MHz         MCH         13.58         14.99         PASS           HCH         13.49         14.81         PASS           HCH         13.46         14.75         PASS           TM2/15MHz         MCH         13.58         14.87         PASS           HCH         13.49         14.99         PASS           HCH         13.43         14.84         PASS           TM3/15MHz         MCH         13.58         15.08         PASS			LCH	8.91	9.61	PASS
LCH         8.93         9.74         PASS           MCH         8.99         9.79         PASS           HCH         8.91         9.59         PASS           HCH         13.46         14.93         PASS           TM1/15MHz         MCH         13.58         14.99         PASS           HCH         13.46         14.75         PASS           HCH         13.46         14.75         PASS           HCH         13.48         14.81         PASS           HCH         13.49         14.81         PASS           HCH         13.58         14.99         PASS           HCH         13.46         14.75         PASS           HCH         13.48         PASS         PASS           TM2/15MHz         MCH         13.58         14.87         PASS           HCH         13.43         14.84         PASS           TM3/15MHz         MCH         13.58         15.08         PASS		TM2/10MHz	MCH	8.95	9.71	PASS
TM3/10MHz         MCH         8.99         9.79         PASS           HCH         8.91         9.59         PASS           TM1/15MHz         LCH         13.46         14.93         PASS           TM1/15MHz         MCH         13.58         14.99         PASS           HCH         13.46         14.93         PASS           HCH         13.58         14.99         PASS           HCH         13.46         14.75         PASS           HCH         13.46         14.75         PASS           TM2/15MHz         MCH         13.58         14.87         PASS           HCH         13.46         14.75         PASS           HCH         13.58         14.87         PASS           HCH         13.49         14.81         PASS           HCH         13.43         14.87         PASS           HCH         13.43         14.84         PASS           TM3/15MHz         MCH         13.58         15.08         PASS			HCH	8.93	9.73	PASS
HCH         8.91         9.59         PASS           TM1/15MHz         LCH         13.46         14.93         PASS           TM1/15MHz         MCH         13.58         14.99         PASS           HCH         13.49         14.81         PASS           HCH         13.49         14.81         PASS           TM2/15MHz         LCH         13.46         14.75         PASS           TM2/15MHz         MCH         13.58         14.87         PASS           HCH         13.49         14.81         PASS           HCH         13.58         14.87         PASS           HCH         13.49         14.89         PASS           HCH         13.43         14.84         PASS           TM3/15MHz         MCH         13.58         15.08         PASS			LCH	8.93	9.74	PASS
LCH         13.46         14.93         PASS           TM1/15MHz         MCH         13.58         14.99         PASS           HCH         13.49         14.81         PASS           HCH         13.49         14.81         PASS           TM2/15MHz         LCH         13.46         14.75         PASS           TM2/15MHz         MCH         13.58         14.87         PASS           HCH         13.49         14.87         PASS           HCH         13.49         14.99         PASS           HCH         13.43         14.84         PASS           TM3/15MHz         MCH         13.58         15.08         PASS		TM3/10MHz	MCH	8.99	9.79	PASS
TM1/15MHz         MCH         13.58         14.99         PASS           HCH         13.49         14.81         PASS           LCH         13.46         14.75         PASS           TM2/15MHz         MCH         13.58         14.87         PASS           HCH         13.46         14.75         PASS           HCH         13.58         14.87         PASS           HCH         13.49         14.99         PASS           HCH         13.43         14.84         PASS           TM3/15MHz         MCH         13.58         15.08         PASS			HCH	8.91	9.59	PASS
HCH         13.49         14.81         PASS           LCH         13.46         14.75         PASS           TM2/15MHz         MCH         13.58         14.87         PASS           HCH         13.49         14.89         PASS           HCH         13.58         14.87         PASS           HCH         13.49         14.99         PASS           TM3/15MHz         MCH         13.58         15.08         PASS			LCH	13.46	14.93	PASS
LCH         13.46         14.75         PASS           TM2/15MHz         MCH         13.58         14.87         PASS           HCH         13.49         14.99         PASS           LCH         13.43         14.84         PASS           TM3/15MHz         MCH         13.58         15.08         PASS		TM1/15MHz	MCH	13.58	14.99	PASS
TM2/15MHz         MCH         13.58         14.87         PASS           HCH         13.49         14.99         PASS           LCH         13.43         14.84         PASS           TM3/15MHz         MCH         13.58         15.08         PASS			НСН	13.49	14.81	PASS
HCH         13.49         14.99         PASS           LCH         13.43         14.84         PASS           TM3/15MHz         MCH         13.58         15.08         PASS			LCH	13.46	14.75	PASS
LCH         13.43         14.84         PASS           TM3/15MHz         MCH         13.58         15.08         PASS		TM2/15MHz	MCH	13.58	14.87	PASS
TM3/15MHz MCH 13.58 15.08 PASS			НСН	13.49	14.99	PASS
			LCH	13.43	14.84	PASS
		TM3/15MHz	MCH	13.58	15.08	PASS
HUH 13.46 15.05 PASS			НСН	13.46	15.05	PASS



Report No.: SZEM180100021803 Page: 28 of 92

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#### Part II – Test Plots

#### 4.1 For LTE

### 4.1.1 Test Band = LTE band26

#### 4.1.1.1 Test Mode = LTE/TM1 1.4MHz

 4.1.1.1.1
 Test Channel = LCH

 Spectrum
 Ref Level 35.00 dBm
 Offset 5.00 dB
 RBW
 30 kHz

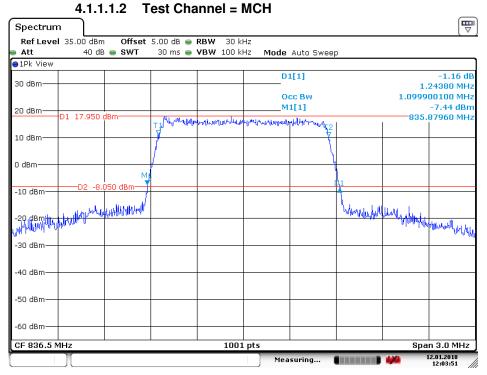
 Att
 40 dB
 SWT
 30 ms
 VBW
 100 kHz
 Mode Auto SW

Ref Level 35.00 dBm	i Offset 5.00 dB 👄	RBW 30 kHz				
	) 🛑 SWT 🛛 30 ms 🖷	<b>VBW</b> 100 kHz	Mode Auto Sweep			
∋1Pk View						
			D1[1]		-0.89	) dB
30 dBm					1.24380 N	МНz
			Occ Bw		1.105894106	
20 dBm			M1[1]		-7.71 d	
D1 17.730 c	dBmwww.www	Weller Aller when the protocols	when when the set	1		MH2
10 dBm	₩		V			
0 dBm						
	M			L.		
-10 dBm D28.2	270 dBm					
	1/			hu		
-20 dBm	hannaral			- Munhahaya Ashalla	Mathlenge	
-20 dBm					allanter and a strategy of	M.
uktheven n						i way
-30 dBm						
-40 dBm						
-50 dBm						
-60 dBm						
05 004 7 MU-		1001			0.0 M	
CF 824.7 MHz		1001 pts		_	Span 3.0 M	
			Measuring 📒		12.01.2018 11:53:16	

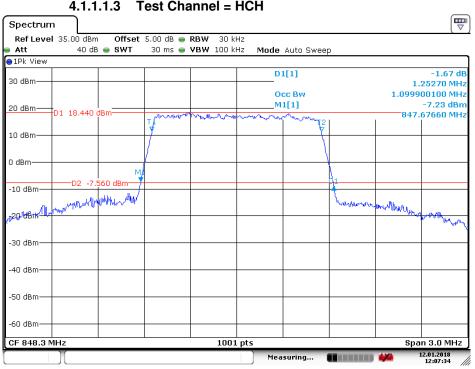
Date: 12.JAN.2018 11:53:17



Report No.: SZEM180100021803 Page: 29 of 92



Date: 12.JAN.2018 12:03:51

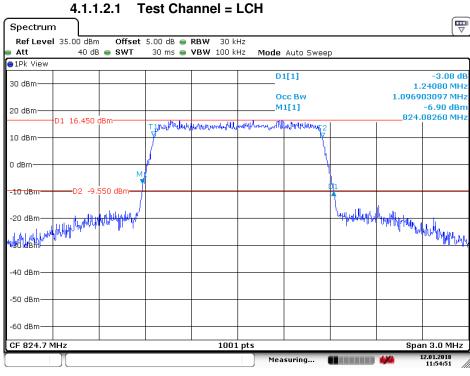


4.1.1.1.3 Test Channel = HCH

Date: 12.JAN.2018 12:07:34



Report No.: SZEM180100021803 Page: 30 of 92



#### 4.1.1.2 Test Mode = LTE/TM2 1.4MHz

Date: 12.JAN.2018 11:54:52

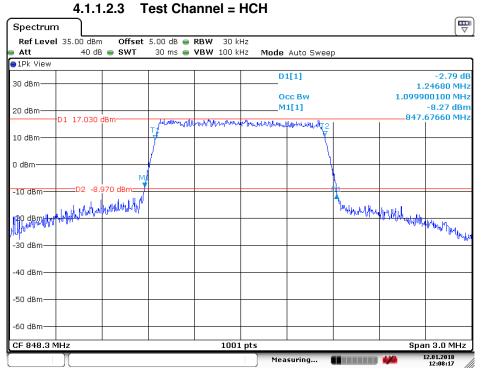


Att	l 35.00 dBm 40 dE	i Offset	5.00 dB 👄 30 ms 👄	RBW 30 k VBW 100 k		Auto Sweep			
∋1Pk View									
30 dBm					D1	[1]		1.	-3.08 d 24380 MH
					Oc	c Bw			03097 MH
20 dBm					M1	[1]			-6.81 dB
	D1 17.720	dBm	ويداهم بالبروجون	wall man mill	worker week work	w MANNA TO I		835.	88260 MH
10 dBm			TI · · · · ₩			ν ν α~η2 ▼			
TO UBIII			1			Į			
0 dBm			1						
		м				1			
-10 dBm	D2 -8.	280 dBm					1		
	unun	Inumbrauti					1. Williabandura	kilostan (t.	
-20 asm— Watarahahaa	whith the M						<u> </u>	hile her have	alithur pulue of
Ľ30 dBm									
-40 dBm—									
-50 dBm									
-60 dBm—									
CF 836.5 M	l /IHz	1	I	100	1 pts			Sna	n 3.0 MH:

Date: 12.JAN.2018 12:03:12

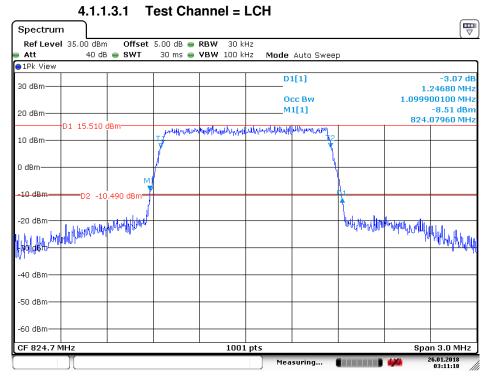


Report No.: SZEM180100021803 Page: 31 of 92



Date: 12.JAN.2018 12:08:17

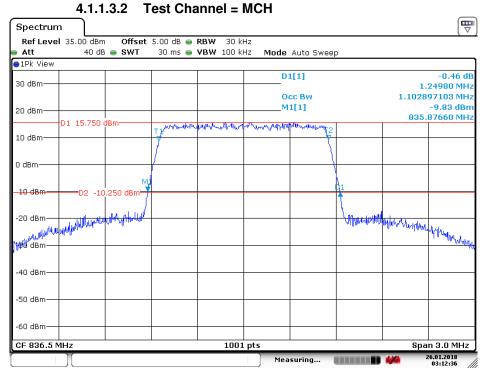
#### 4.1.1.3 Test Mode = LTE/TM3 1.4MHz



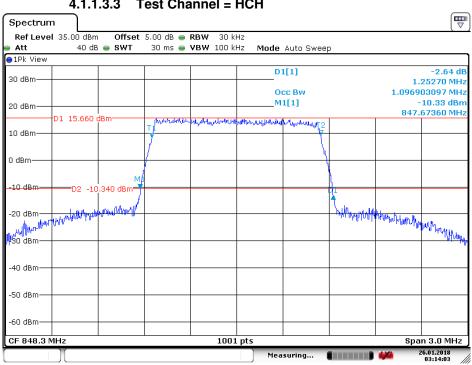
Date: 26.JAN.2018 03:11:18



Report No.: SZEM180100021803 Page: 32 of 92



Date: 26.JAN.2018 03:12:37

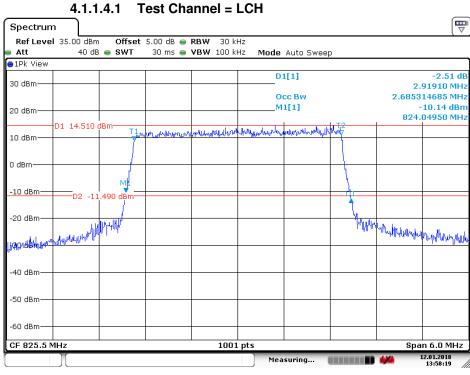


4.1.1.3.3 Test Channel = HCH

Date: 26.JAN.2018 03:14:03



Report No.: SZEM180100021803 Page: 33 of 92



#### 4.1.1.4 Test Mode = LTE/TM1 3MHz

Date: 12.JAN.2018 13:58:19

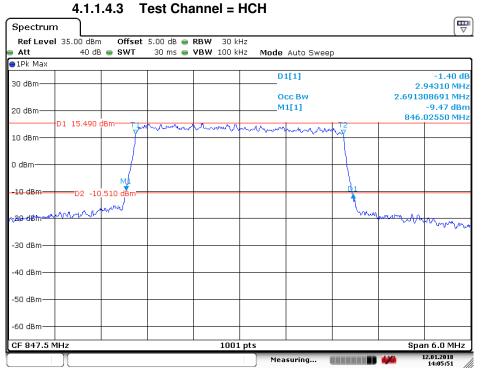


Att 🛛	l 35.00 dBm 40 dB	s e swt	5.00 dB 👄 30 ms 👄	RBW 30 kH VBW 100 kH		Auto Sweep	5		
∋1Pk View	1		1						
30 dBm					D1	[1]		2	-2.84 d 93710 MH
					00	c Bw			14685 MF
20 dBm					M1	[1]			10.79 dB
	D1 14.780	l dBm <del></del>						835.	03150 MF
10 dBm	D1 100	A A	whenterally	puto rugulus	Moundary	Waldhallylu	luniz		
0 dBm									
		1 1							
-10 dBm—	D2 -11	M1							
		L.220 UBIII-							
-20 dBm—		un alle alle					h h	и	
U. Walter Monal	normalian	adh.ra.					rinniy	hartlythautility	to be a sugar
-30 dBm—									lo i Mude Jec
-40 dBm—									
-50 dBm—									
-60 dBm—									
CF 836.5	MI 1-2			1001	ntc				n 6.0 MHz

Date: 12.JAN.2018 14:01:17

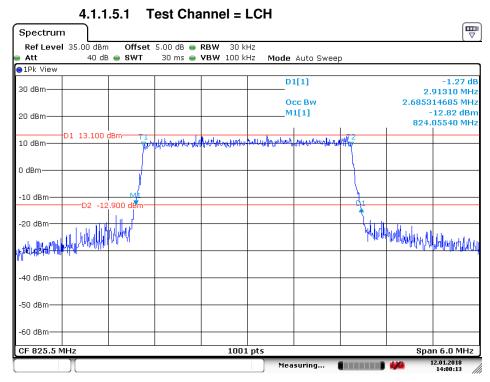


Report No.: SZEM180100021803 Page: 34 of 92



Date: 12.JAN.2018 14:05:51

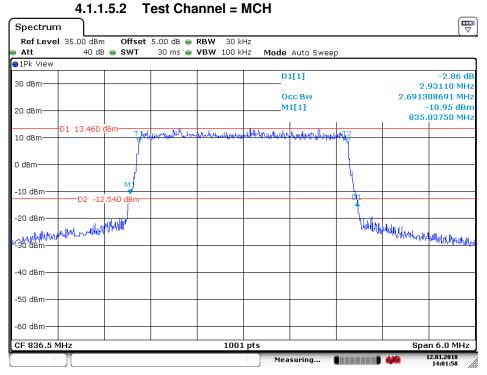
#### 4.1.1.5 Test Mode = LTE/TM2 3MHz



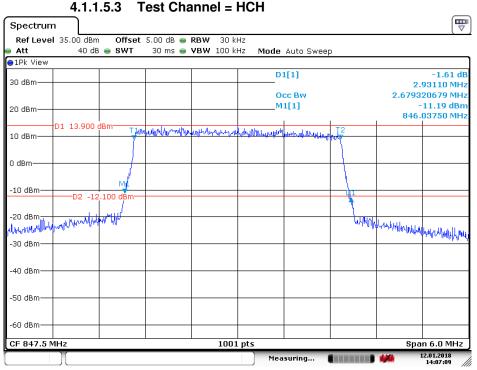
Date: 12.JAN.2018 14:00:13



Report No.: SZEM180100021803 35 of 92 Page:



Date: 12.JAN.2018 14:01:58

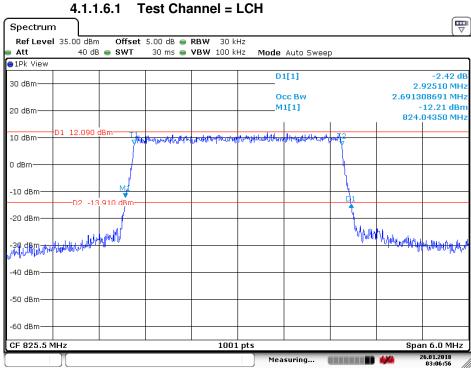


4.1.1.5.3 Test Channel = HCH

Date: 12.JAN.2018 14:07:10

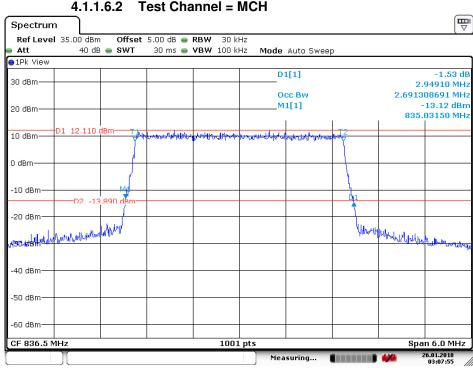


Report No.: SZEM180100021803 Page: 36 of 92



#### 4.1.1.6 Test Mode = LTE/TM3 3MHz

Date: 26 JAN 2018 03:06:56

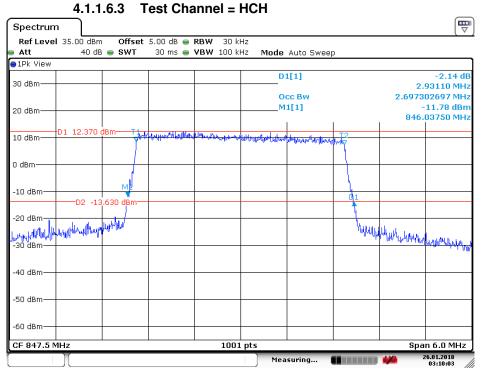


4.1.1.6.2 Test Channel = MCH

Date: 26.JAN.2018 03:07:56

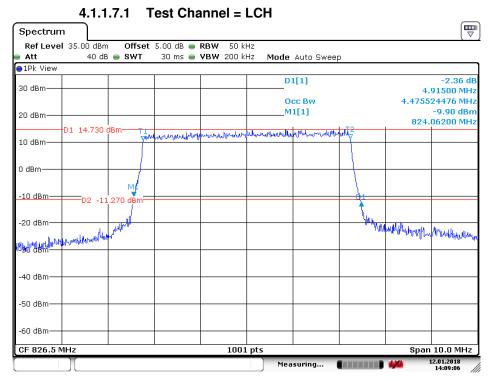


Report No.: SZEM180100021803 Page: 37 of 92



Date: 26.JAN.2018 03:10:04

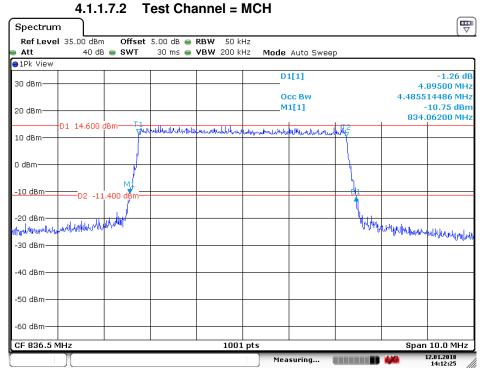
#### 4.1.1.7 Test Mode = LTE/TM1 5MHz



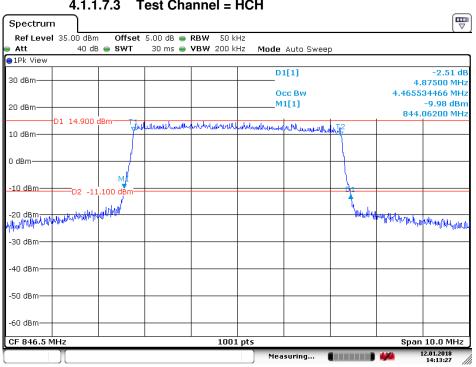
Date: 12.JAN.2018 14:09:06



Report No.: SZEM180100021803 38 of 92 Page:



Date: 12.JAN.2018 14:12:26

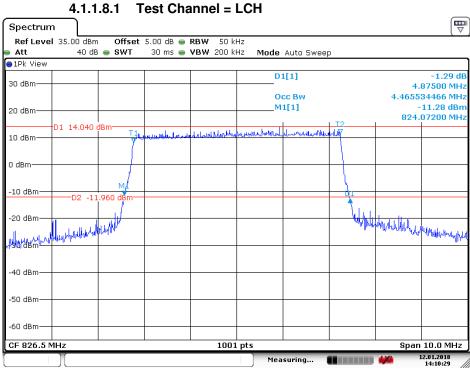


4.1.1.7.3 Test Channel = HCH

Date: 12.JAN.2018 14:13:27



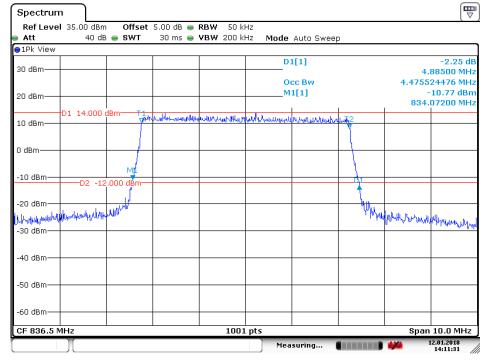
Report No.: SZEM180100021803 Page: 39 of 92



#### 4.1.1.8 Test Mode = LTE/TM2 5MHz

Date: 12.JAN.2018 14:10:29

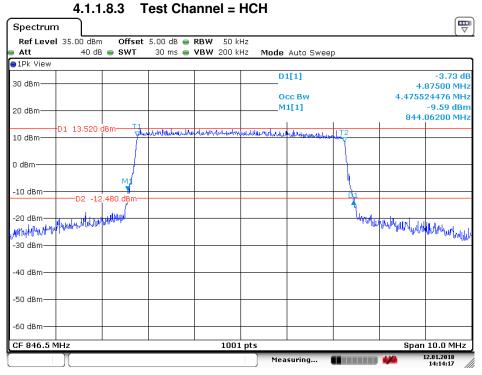




Date: 12.JAN.2018 14:11:31

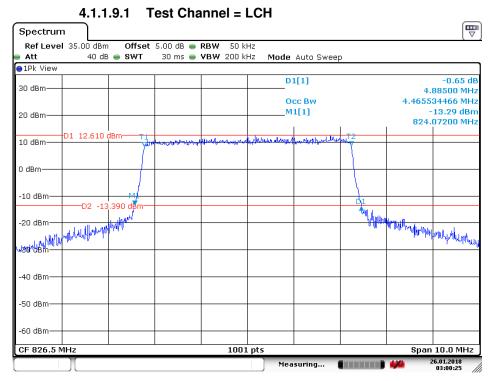


Report No.: SZEM180100021803 Page: 40 of 92



Date: 12.JAN.2018 14:14:17

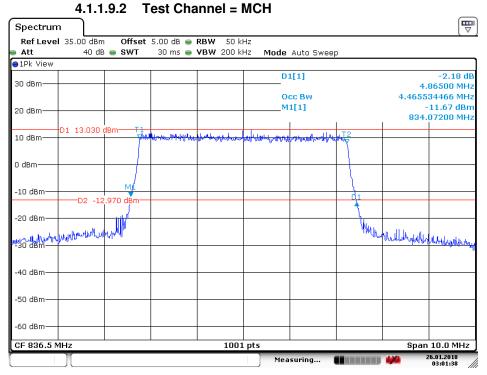
#### 4.1.1.9 Test Mode = LTE/TM3 5MHz



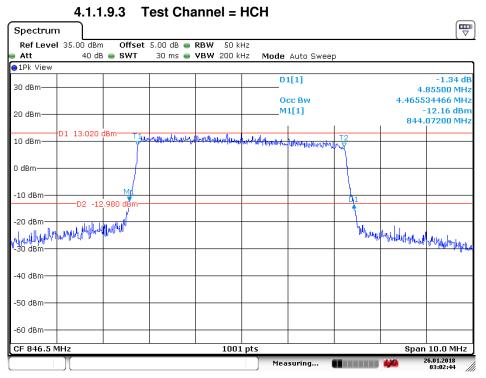
Date: 26.JAN.2018 03:00:26



Report No.: SZEM180100021803 Page: 41 of 92



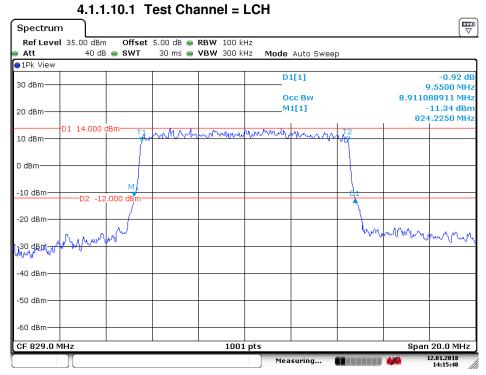
Date: 26.JAN.2018 03:01:39



Date: 26.JAN.2018 03:02:44

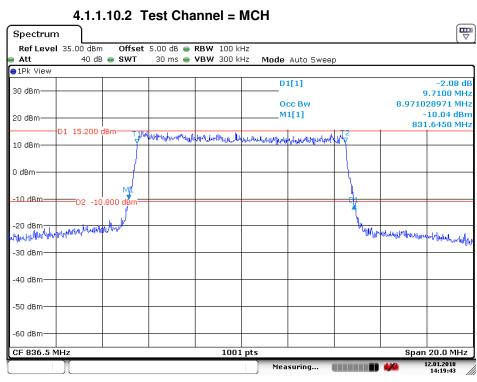


Report No.: SZEM180100021803 Page: 42 of 92



#### 4.1.1.10 Test Mode = LTE/TM1 10MHz

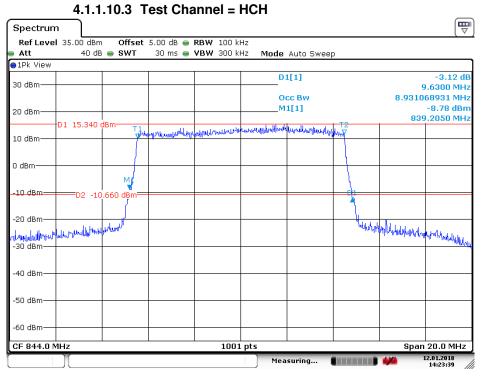
Date: 12.JAN.2018 14:15:49



Date: 12.JAN.2018 14:19:43

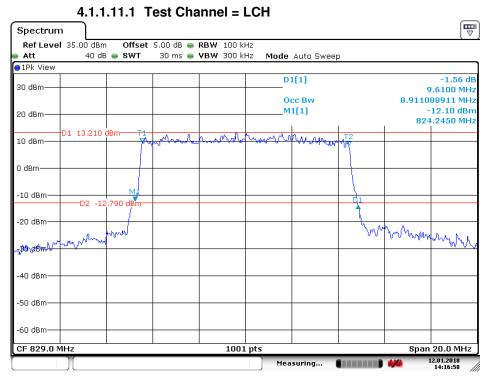


Report No.: SZEM180100021803 Page: 43 of 92



Date: 12.JAN.2018 14:23:39

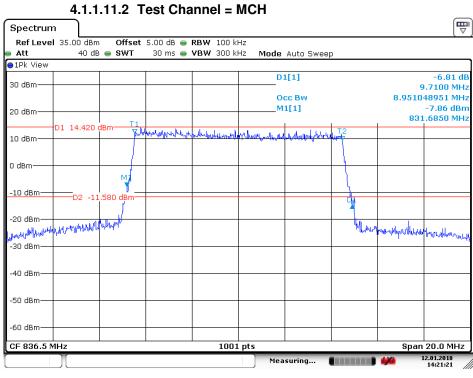
#### 4.1.1.11 Test Mode = LTE/TM2 10MHz



Date: 12.JAN.2018 14:16:58



Report No.: SZEM180100021803 Page: 44 of 92



Date: 12.JAN.2018 14:21:21

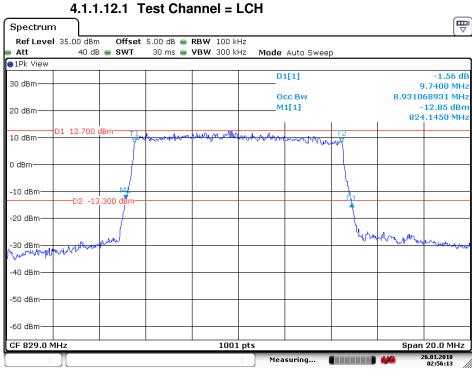


Spectrun									
Ref Leve Att	l 35.00 dBm 40 dB			RBW 100 ki VBW 300 ki		Auto Swee	n		
∋1Pk View							F		
30 dBm					D1[1]			-1.60 di 9.7300 MH 8.931068931 MH	
20 dBm						1[1]	1	-	11.41 dBr 9.1650 MH
10 dBm	D1 13.820		a haddatteetteer	ranar water	kangen vin der	ettertudy selter aut	4.12		
0 dBm							$\left  \right\rangle$		
-10 dBm—	D2 -12	2.180 dBm							
-20 dBm Ակիկկյություն -30 dBm	uluuturlliphi	nlhutyeu					have the	phanolytheous	allanella and all
-40 dBm									
-50 dBm									
-60 dBm									
CF 844.0 N	/IHz			1001	pts				20.0 MHz
					Mea	suring		4/4	14:22:26

Date: 12.JAN.2018 14:22:27

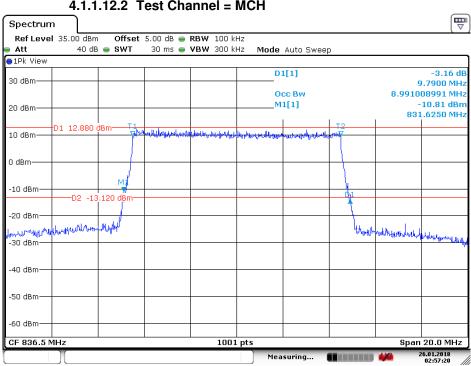


Report No.: SZEM180100021803 Page: 45 of 92



#### 4.1.1.12 Test Mode = LTE/TM3 10MHz

Date: 26 JAN 2018 02:56:13

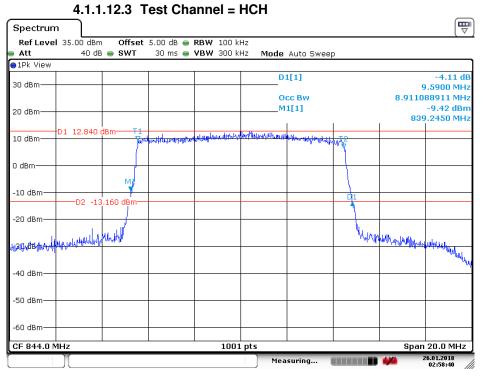


4.1.1.12.2 Test Channel = MCH

Date: 26.JAN.2018 02:57:20

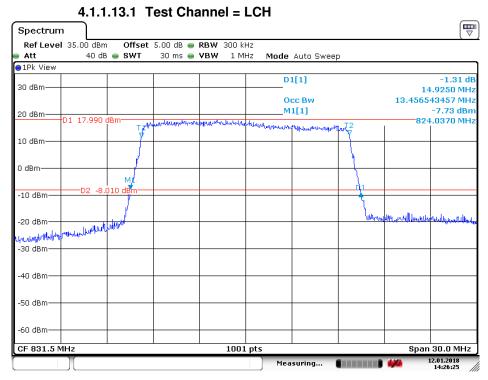


Report No.: SZEM180100021803 Page: 46 of 92



Date: 26.JAN.2018 02:58:40

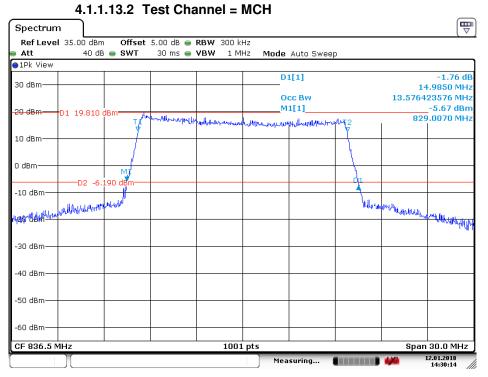
#### 4.1.1.13 Test Mode = LTE/TM1 15MHz



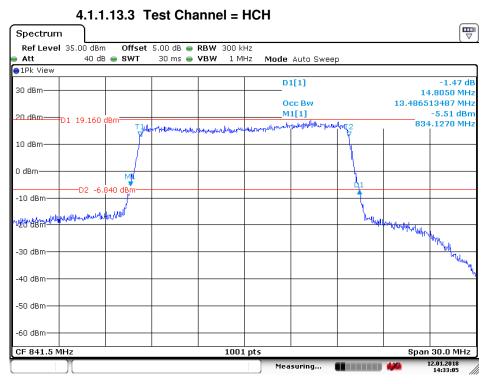
Date: 12.JAN.2018 14:26:26



Report No.: SZEM180100021803 Page: 47 of 92



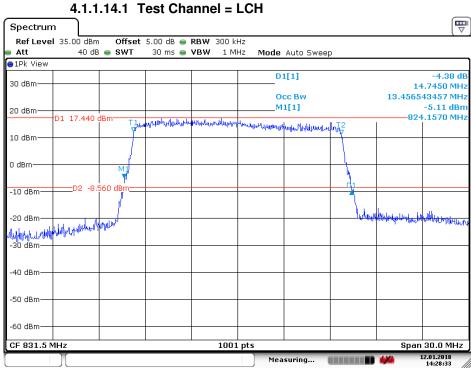
Date: 12.JAN.2018 14:30:15



Date: 12.JAN.2018 14:33:05

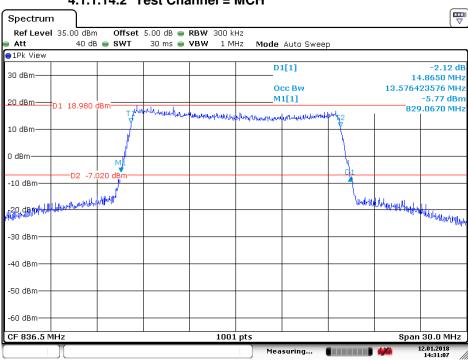


Report No.: SZEM180100021803 Page: 48 of 92



#### 4.1.1.14 Test Mode = LTE/TM2 15MHz

Date: 12.JAN.2018 14:28:34

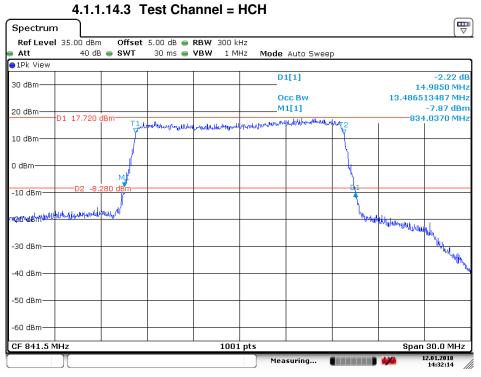


4.1.1.14.2 Test Channel = MCH

Date: 12.JAN.2018 14:31:07

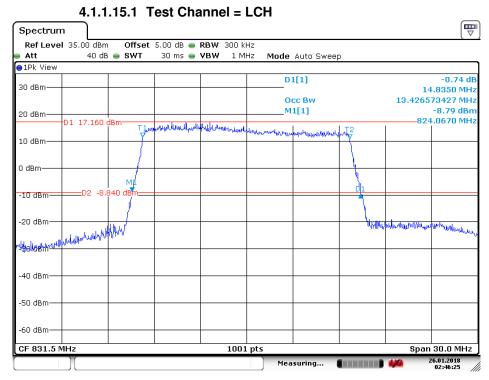


Report No.: SZEM180100021803 Page: 49 of 92



Date: 12.JAN.2018 14:32:15

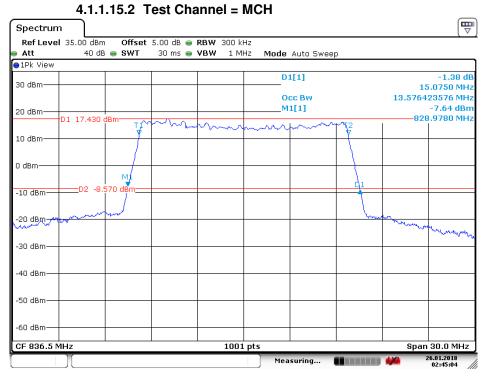
#### 4.1.1.15 Test Mode = LTE/TM3 15MHz



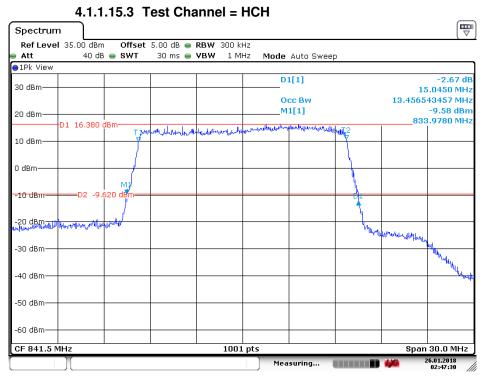
Date: 26.JAN.2018 02:46:25



Report No.: SZEM180100021803 Page: 50 of 92



Date: 26.JAN.2018 02:45:04



Date: 26.JAN.2018 02:47:30



Report No.: SZEM180100021803 Page: 51 of 92

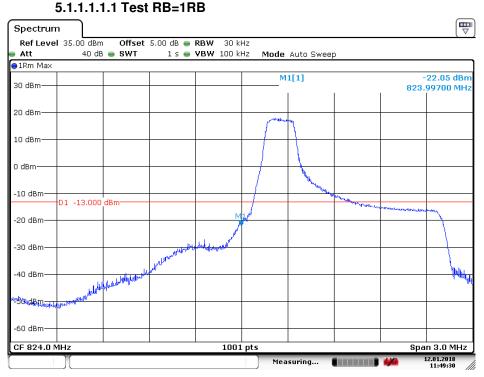
### 5 Band Edges Compliance

### 5.1 For LTE

### 5.1.1 Test Band = LTE band26

#### 5.1.1.1 Test Mode = LTE/TM1 1.4MHz

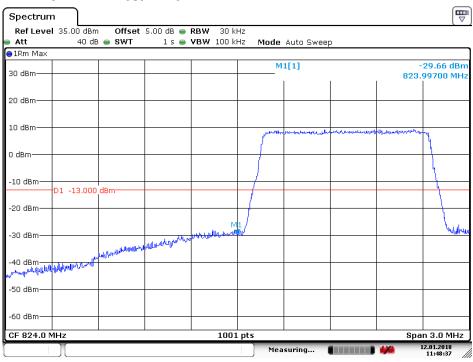
5.1.1.1.1 Test Channel = LCH



Date: 12.JAN.2018 11:49:30

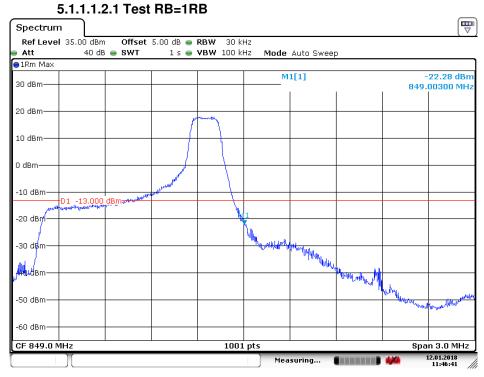


Report No.: SZEM180100021803 Page: 52 of 92



Date: 12.JAN.2018 11:48:37

#### 5.1.1.1.2 Test Channel = HCH



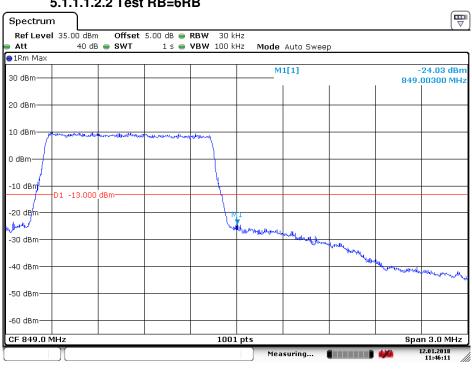
Date: 12.JAN.2018 11:46:41

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#### 5.1.1.1.1.2 Test RB=6RB

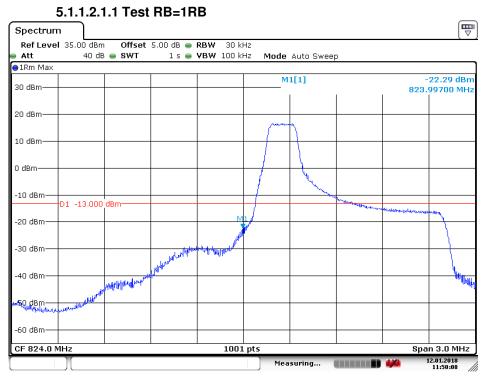


Report No.: SZEM180100021803 53 of 92 Page:



Date: 12.JAN.2018 11:46:11

#### 5.1.1.2 Test Mode = LTE/TM2 1.4MHz 5.1.1.2.1 Test Channel = LCH



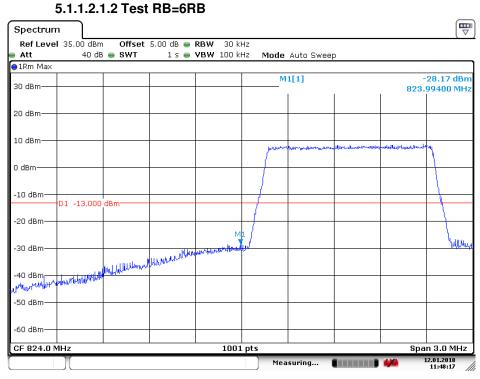
Date: 12.JAN.2018 11:50:09

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5.1.1.1.2.2 Test RB=6RB

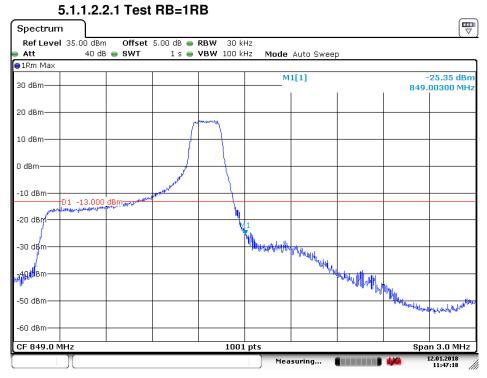


Report No.: SZEM180100021803 Page: 54 of 92



Date: 12.JAN.2018 11:48:17

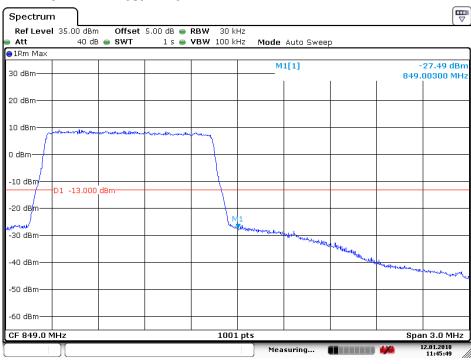
#### 5.1.1.2.2 Test Channel = HCH



Date: 12.JAN.2018 11:47:18



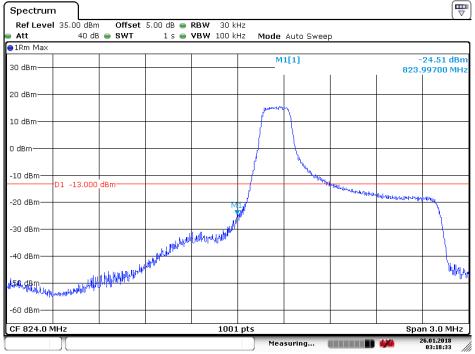
Report No.: SZEM180100021803 Page: 55 of 92



Date: 12.JAN.2018 11:45:49

#### 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



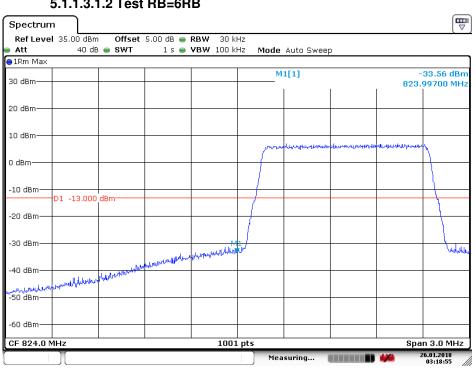
Date: 26.JAN.2018 03:18:34

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#### 5.1.1.2.2.2 Test RB=6RB



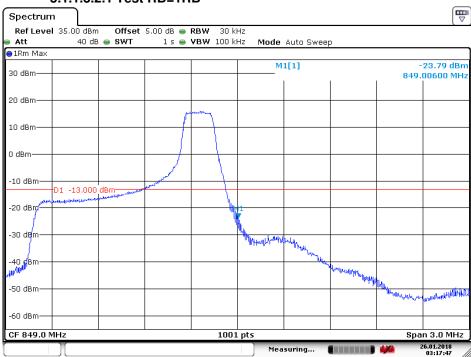
Report No.: SZEM180100021803 Page: 56 of 92



#### 5.1.1.3.1.2 Test RB=6RB

Date: 26.JAN.2018 03:18:54

#### 5.1.1.3.2 Test Channel = HCH



#### 5.1.1.3.2.1 Test RB=1RB

Date: 26.JAN.2018 03:17:47



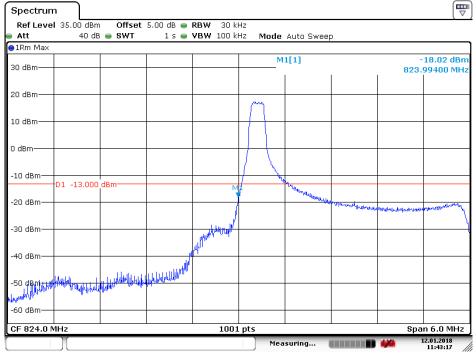
Report No.: SZEM180100021803 Page: 57 of 92



Date: 26.JAN.2018 03:16:43

#### 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



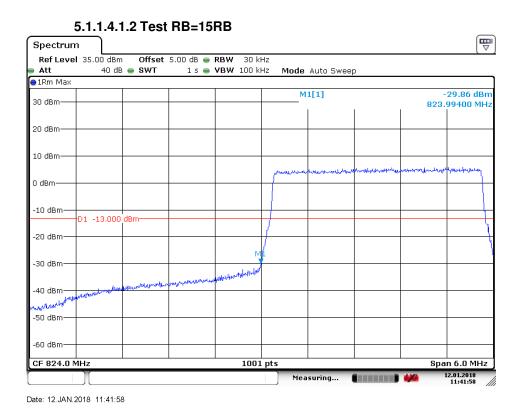
Date: 12.JAN.2018 11:43:17

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#### 5.1.1.3.2.2 Test RB=6RB

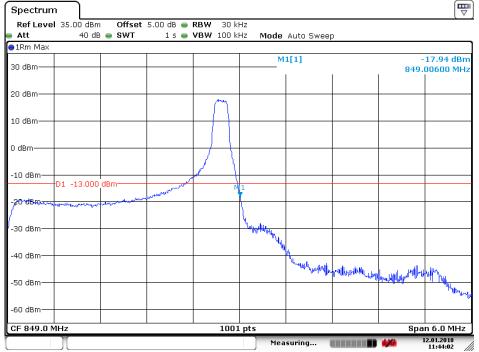


Report No.: SZEM180100021803 Page: 58 of 92



#### 5.1.1.4.2 Test Channel = HCH

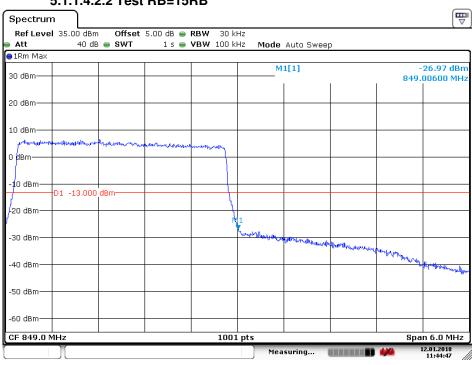
#### 5.1.1.4.2.1 Test RB=1RB



Date: 12.JAN.2018 11:44:03

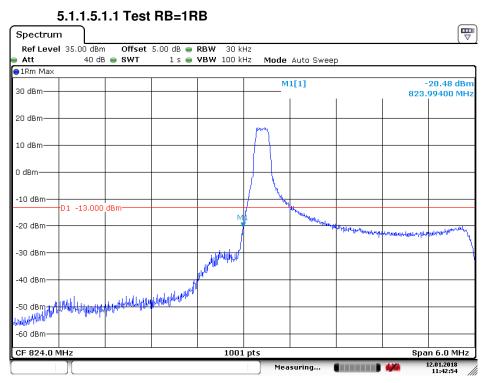


Report No.: SZEM180100021803 Page: 59 of 92



Date: 12.JAN.2018 11:44:48

#### 5.1.1.5 Test Mode = LTE/TM2 3MHz 5.1.1.5.1 Test Channel = LCH



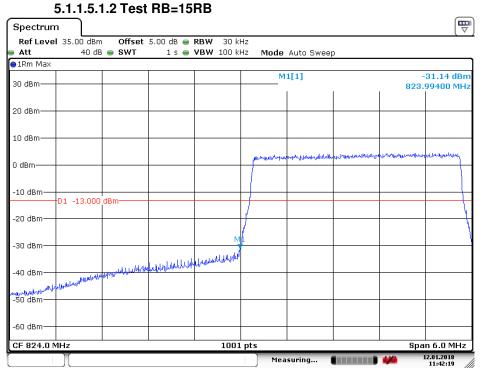
Date: 12.JAN.2018 11:42:54

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5.1.1.4.2.2 Test RB=15RB



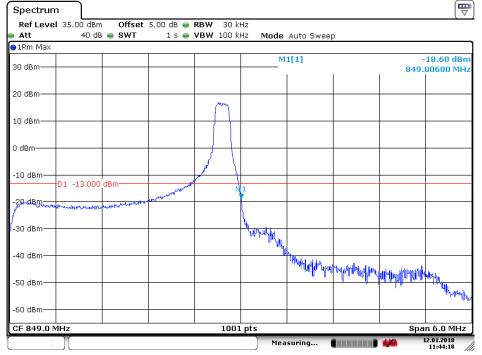
Report No.: SZEM180100021803 Page: 60 of 92



Date: 12.JAN.2018 11:42:19

#### 5.1.1.5.2 Test Channel = HCH

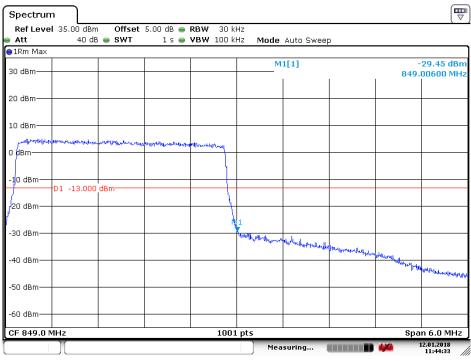
#### 5.1.1.5.2.1 Test RB=1RB



Date: 12.JAN.2018 11:44:19



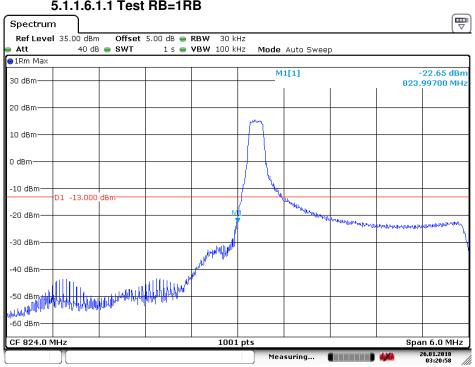
Report No.: SZEM180100021803 61 of 92 Page:



5.1.1.5.3 Test RB=15RB

Date: 12.JAN.2018 11:44:33

#### 5.1.1.6 Test Mode = LTE/TM3 3MHz 5.1.1.6.1 Test Channel = LCH



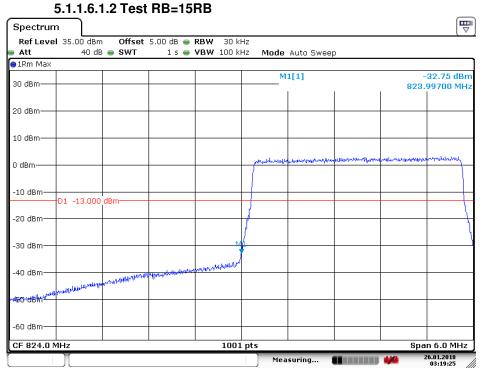
Date: 26.JAN.2018 03:20:58

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#### 5.1.1.6.1.1 Test RB=1RB



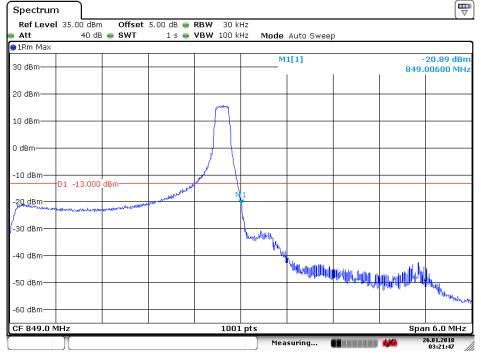
Report No.: SZEM180100021803 Page: 62 of 92



Date: 26.JAN.2018 03:19:26

#### 5.1.1.6.2 Test Channel = HCH

#### 5.1.1.6.2.1 Test RB=1RB



Date: 26.JAN.2018 03:21:47



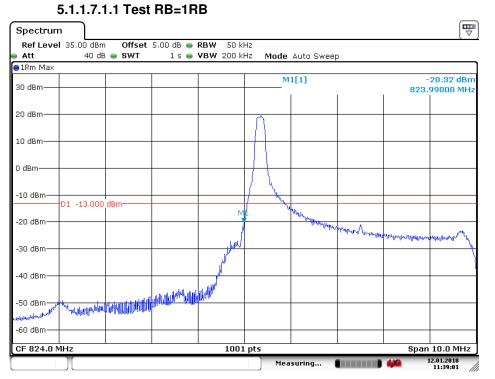
Report No.: SZEM180100021803 Page: 63 of 92



5.1.1.6.3 Test RB=15RB

Date: 26.JAN.2018 03:22:15

### 5.1.1.7 Test Mode = LTE/TM1 5MHz 5.1.1.7.1 Test Channel = LCH



Date: 12.JAN.2018 11:39:01



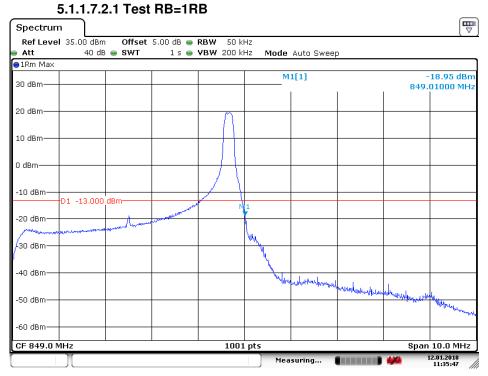
Report No.: SZEM180100021803 Page: 64 of 92



5.1.1.7.1.2 Test RB=25RB

Date: 12.JAN.2018 11:38:35

#### 5.1.1.7.2 Test Channel = HCH



Date: 12.JAN.2018 11:35:48

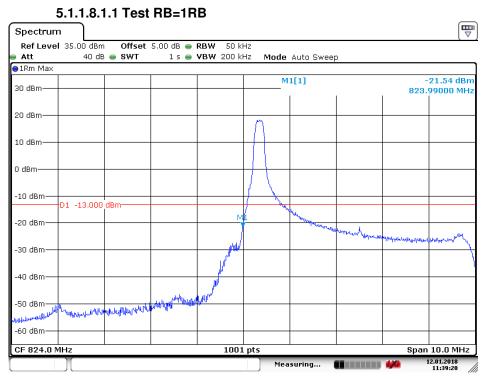


Report No.: SZEM180100021803 Page: 65 of 92

#### [₩] Spectrum Ref Level 35.00 dBm Offset 5.00 dB 👄 RBW 50 kHz 40 dB 😑 SWT 1 s 👄 VBW 200 kHz Att Mode Auto Sweep 😑 1 Rm Max M1[1] -27.30 dBn 30 dBm 849.01000 MH 20 dBm 10 dBm 0 dBm -10 dBm D1 -13.000 dBm-20 dBm -30 dBm -40 dBm -50 dBm -60 dBm Span 10.0 MHz CF 849.0 MHz 1001 pts 12.01.2018 11:38:02 Measuring...

Date: 12.JAN.2018 11:38:03

#### 5.1.1.8 Test Mode = LTE/TM2 5MHz 5.1.1.8.1 Test Channel = LCH



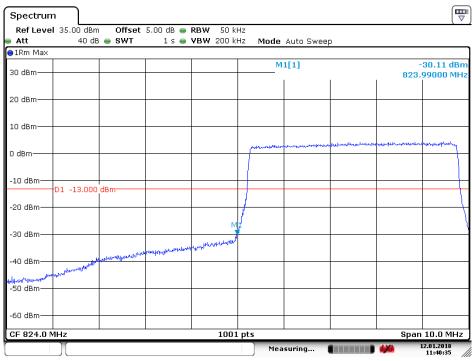
Date: 12.JAN.2018 11:39:21

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5.1.1.7.2.2 Test RB=25RB

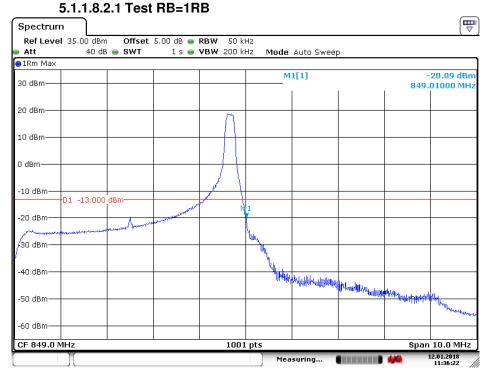


Report No.: SZEM180100021803 Page: 66 of 92



Date: 12.JAN.2018 11:40:36

#### 5.1.1.8.2 Test Channel = HCH



Date: 12.JAN.2018 11:36:23

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#### 5.1.1.8.1.2 Test RB=25RB



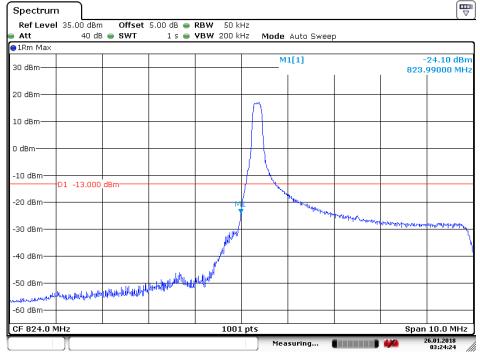
Report No.: SZEM180100021803 Page: 67 of 92

#### P Spectrum Ref Level 35.00 dBm Offset 5.00 dB 👄 RBW 50 kHz Att 40 dB 🔵 SWT 1 s 👄 **VBW** 200 kHz Mode Auto Sweep ⊖1Rm Ma× M1[1] -29.46 dBm 30 dBm 849.01000 MH 20 dBm 10 dBm 0 dBm -1<mark>0 dBm</mark> D1 -13.000 dBm 20 dBm -30 dBm John Jack of the property and Walkitas. -40 dBm Ome -50 dBm -60 dBm-CF 849.0 MHz 1001 pts Span 10.0 MHz 12.01.2018 11:37:45 Measuring...

Date: 12.JAN.2018 11:37:46

### 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



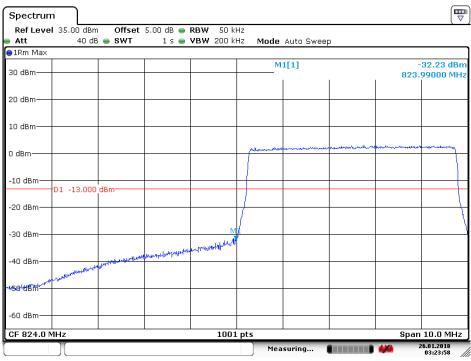
Date: 26.JAN.2018 03:24:24

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#### 5.1.1.8.2.2 Test RB=25RB

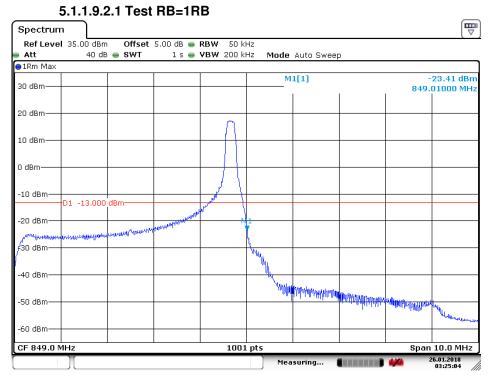


Report No.: SZEM180100021803 Page: 68 of 92



Date: 26.JAN.2018 03:23:58

#### 5.1.1.9.2 Test Channel = HCH



Date: 26.JAN.2018 03:25:04

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#### 5.1.1.9.1.2 Test RB=25RB



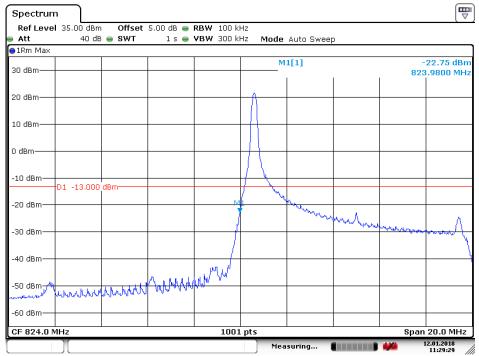
Report No.: SZEM180100021803 Page: 69 of 92

#### P Spectrum Ref Level 35.00 dBm Offset 5.00 dB 🖷 RBW 50 kHz Att 40 dB 👄 SWT 1 s 👄 **VBW** 200 kHz Mode Auto Sweep ⊖1Rm Max M1[1] -32.84 dBn 30 dBm-849.01000 MH 20 dBm 10 dBm 0 dBm -10 dBm D1 -13.000 dBm -20 dBm -30 dBm whitemakelly -40 dBm Wildow . -50 dBm -60 dBm-CF 849.0 MHz 1001 pts Span 10.0 MHz 26.01.2018 03:25:26 Measuring...

Date: 26.JAN.2018 03:25:26

#### 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



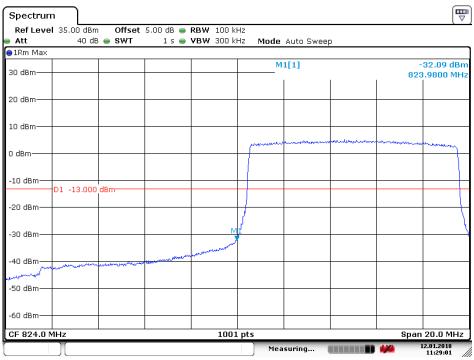
Date: 12.JAN.2018 11:29:30

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#### 5.1.1.9.2.2 Test RB=25RB



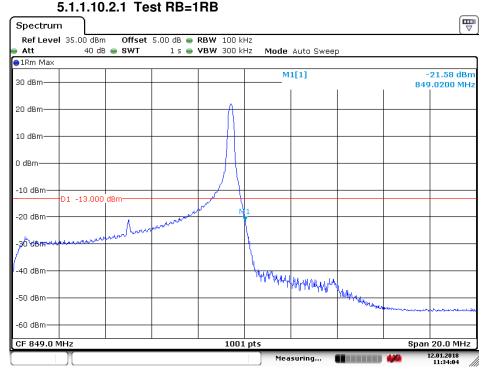
Report No.: SZEM180100021803 Page: 70 of 92



5.1.1.10.1.2 Test RB=50RB

Date: 12.JAN.2018 11:29:01

#### 5.1.1.10.2 Test Channel = HCH



Date: 12.JAN.2018 11:34:04



Report No.: SZEM180100021803 Page: 71 of 92

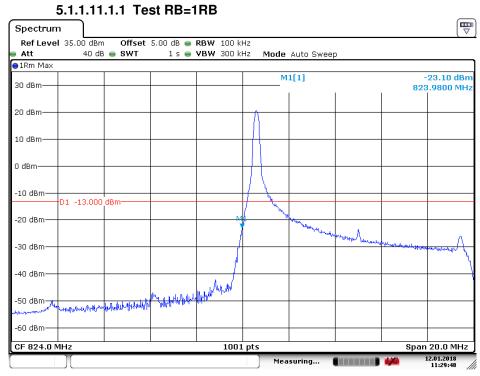


5.1.1.10.2.2 Test RB=50RB

Date: 12.JAN.2018 11:32:56

#### 5.1.1.11 Test Mode = LTE/TM2 10MHz

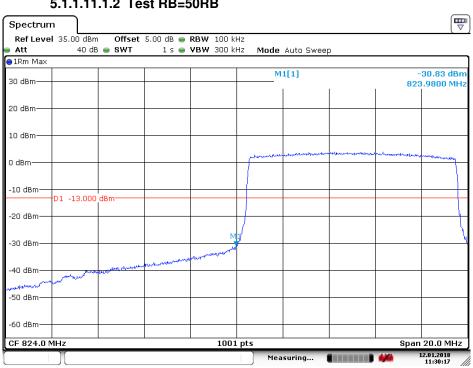
#### 5.1.1.11.1 Test Channel = LCH



Date: 12.JAN.2018 11:29:48



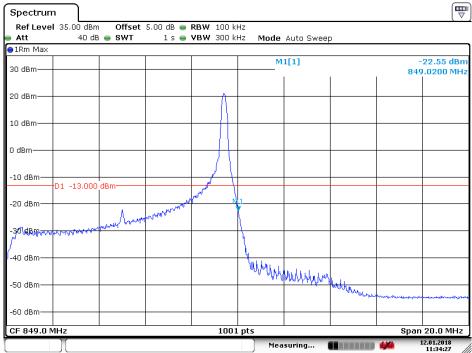
Report No.: SZEM180100021803 Page: 72 of 92



5.1.1.11.1.2 Test RB=50RB

Date: 12.JAN.2018 11:30:17

#### 5.1.1.11.2 Test Channel = HCH



5.1.1.11.2.1 Test RB=1RB

Date: 12.JAN.2018 11:34:28



Report No.: SZEM180100021803 Page: 73 of 92



5.1.1.11.2.2 Test RB=50RB

Date: 12.JAN.2018 11:31:28

### 5.1.1.12 Test Mode = LTE/TM3 10MHz 5.1.1.12.1 Test Channel = LCH

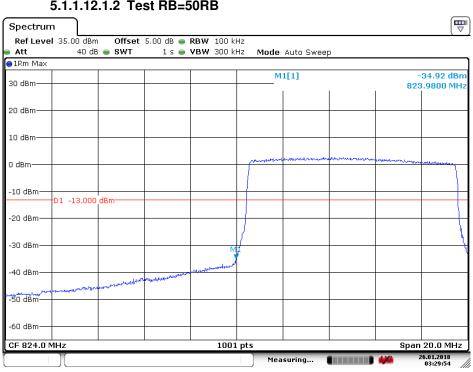
## 5.1.1.12.1.1 Test RB=1RB

Ref Leve	35.00	dBm	Offs	et 5.00	) dB 🥌	<b>RBW</b> 10	O kH:	2				
Att	4	0 dB	e swi	Γ	1 s 👄	<b>VBW</b> 30	O kH:	2 Mode	Auto Swee	р		
1Rm Max												
30 dBm							+	M	1[1]	1		·23.86 dBi 3.9800 MH
20 dBm							+	Λ				
10 dBm							+					
0 dBm							+	<del> }</del>				
-10 dBm	D1 -13	.000.0	dBm				,	<u> </u>				
-20 dBm							M	"Weblac	an all have			
-30 dBm							+			and when the state of the state	and the second states a	al stand and a stage
-40 dBm							/					
-50 dBm—	Lange Mar Hand Hand	where	JULIU	Jul W	NUU	MA ME	/					
-60 dBm—							_					
CF 824.0 M	м́нz			I		10	)01 j	ots	1	1	Span	20.0 MHz

Date: 26.JAN.2018 03:29:29



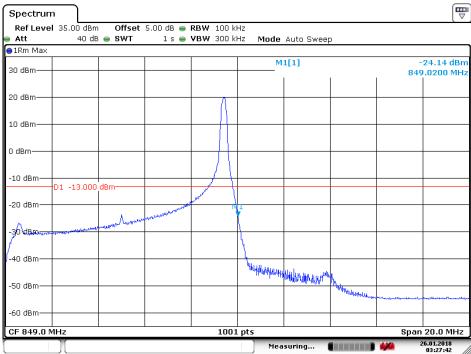
Report No.: SZEM180100021803 Page: 74 of 92



5.1.1.12.1.2 Test RB=50RB

Date: 26.JAN.2018 03:29:54

### 5.1.1.12.2 Test Channel = HCH



5.1.1.12.2.1 Test RB=1RB

Date: 26.JAN.2018 03:27:42



Report No.: SZEM180100021803 Page: 75 of 92

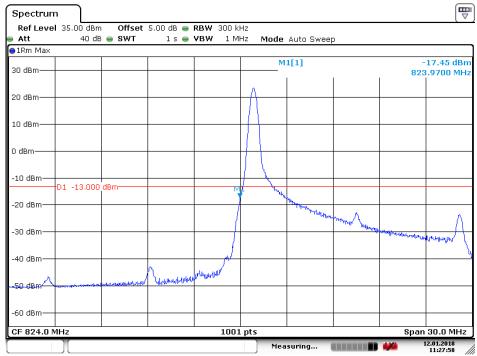


5.1.1.12.2.2 Test RB=50RB

Date: 26.JAN.2018 03:26:32

### 5.1.1.13 Test Mode = LTE/TM1 15MHz 5.1.1.13.1 Test Channel = LCH

#### 5.1.1.13.1.1 Test RB=1RB



Date: 12.JAN.2018 11:27:59



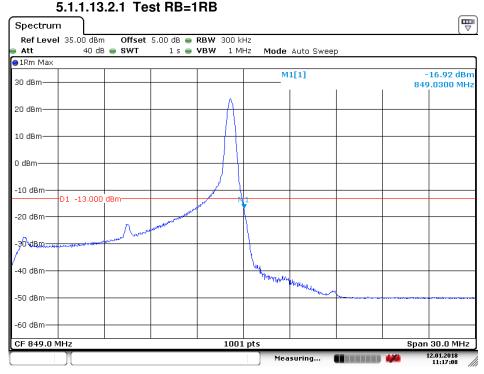
Report No.: SZEM180100021803 Page: 76 of 92



5.1.1.13.1.2 Test RB=75RB

Date: 12.JAN.2018 11:27:14

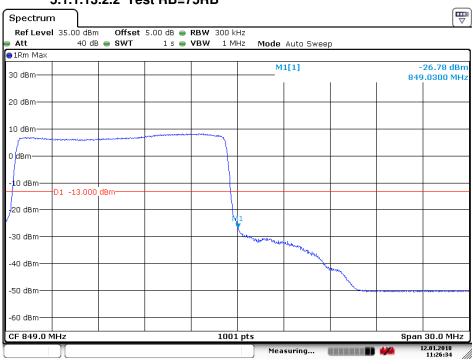
#### 5.1.1.13.2 Test Channel = HCH



Date: 12.JAN.2018 11:17:09



Report No.: SZEM180100021803 Page: 77 of 92

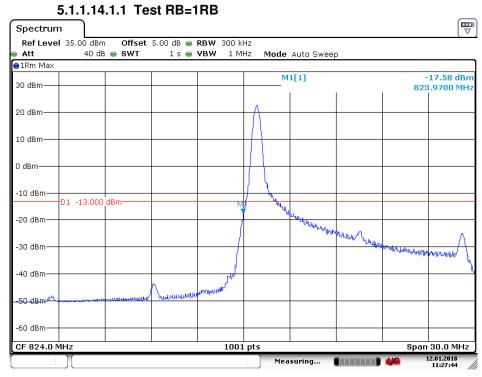


5.1.1.13.2.2 Test RB=75RB

Date: 12.JAN.2018 11:26:34

### 5.1.1.14 Test Mode = LTE/TM2 15MHz

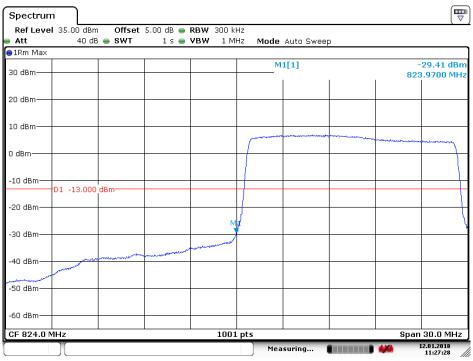
### 5.1.1.14.1 Test Channel = LCH



Date: 12.JAN.2018 11:27:44



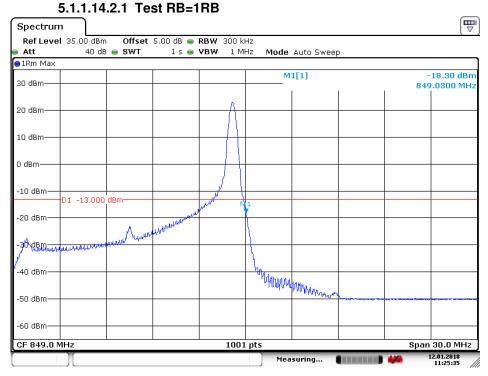
Report No.: SZEM180100021803 Page: 78 of 92



5.1.1.14.1.2 Test RB=75RB

Date: 12.JAN.2018 11:27:28

#### 5.1.1.14.2 Test Channel = HCH



Date: 12.JAN.2018 11:25:36



Report No.: SZEM180100021803 Page: 79 of 92



5.1.1.14.2.2 Test RB=75RB

Date: 12.JAN.2018 11:26:15

### 5.1.1.15 Test Mode = LTE/TM3 15MHz 5.1.1.15.1 Test Channel = LCH

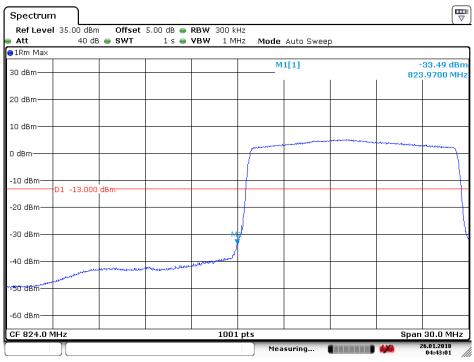
## 5.1.1.15.1.1 Test RB=1RB

∋1Rm Max									
30 dBm					M	11[1]	I		18.99 dBr 3.9700 MH
20 dBm					$\Lambda$				
10 dBm					$\square$				
0 dBm									
-10 dBm—	D1 -13.000	)_dBm							
-20 dBm—				M		and marked and the state of the			
-30 dBm							the weather the second	allal had been deren and an	allynakeen alleks
-40 dBm—			n	ju					
-50-d8m-**				hanned					
-60 dBm									

Date: 26.JAN.2018 03:32:51



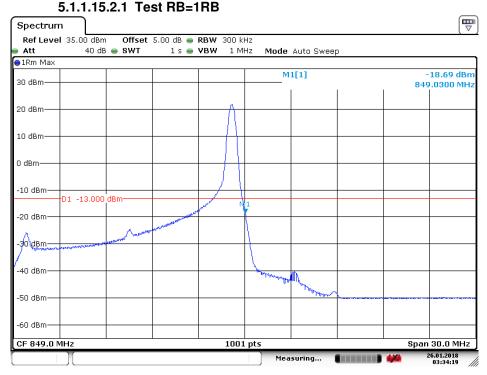
Report No.: SZEM180100021803 Page: 80 of 92



5.1.1.15.1.2 Test RB=75RB

Date: 26.JAN.2018 04:43:01

#### 5.1.1.15.2 Test Channel = HCH



Date: 26.JAN.2018 03:34:20



Report No.: SZEM180100021803 Page: 81 of 92



5.1.1.15.2.2 Test RB=75RB

Date: 26.JAN.2018 04:41:23



Report No.: SZEM180100021803 Page: 82 of 92

## 6 Spurious Emission at Antenna Terminal

Test Mode = LTE / TM1 15MHz RB1#0

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

6.1.1.1

#### 6.1.1.1.1 Test Channel = LCH 9 Spectrum Ref Level 25.00 dBm Offset 5.00 dB 👄 RBW 100 kHz Att 30 dB 💿 SWT 1.1 ms 👄 VBW 300 kHz Mode Auto FFT 😑 1Pk Max M1[1] -38.14 dBn 20 dBm 818.1100 MH 10 dBm 0 dBm· -10 dBm D1 -13.000 dBm -20 dBm -30 dBm 11 -40 dBm -50 dBm dbm -70 dBm Start 30.0 MH 20001 pts Stop 1.0 GHz .01.2018 11:13:58 Measuring...

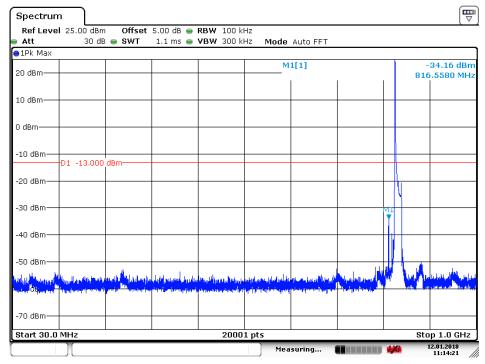
Date: 12.JAN.2018 11:13:58



								Ri Pi	eport No. age:	.: SZEM180100021803 83 of 92
Spectrun Ref Leve Att	l 25.00 dBm	n Offset 8 e SWT	5.00 dB 👄	RBW 1 MHz VBW 3 MHz		uto Sweep				
● 1Pk Max	00 42		00 110 🖕		. Mode A	ato Sweep				
20 dBm					M	1[1]	1		34.06 dBm 49990 GHz	
10 dBm										
0 dBm										
-10 dBm—	D1 -13.000	dBm								
-20 dBm—										
-30 dBm1										
-40 dBm			lan an Indelidentia			a special section of the	n harring days in stational	. atar. 4 1984 a	litelitani, su suit an ti	
والم التعويد بالرابه	a produtty and build	and the state of t	and the particular states in a	aliteration station	de-	in the second	all provide the basis	and the second	and a surplus and parts	
pe-dom										
-60 dBm										
-70 dBm—										
Start 1.0 (	GHz	•		2000	1 pts	•			10.0 GHz	
					Mea	suring		- <b>1</b>	12.01.2018 11:13:08	

Date: 12.JAN.2018 11:13:08





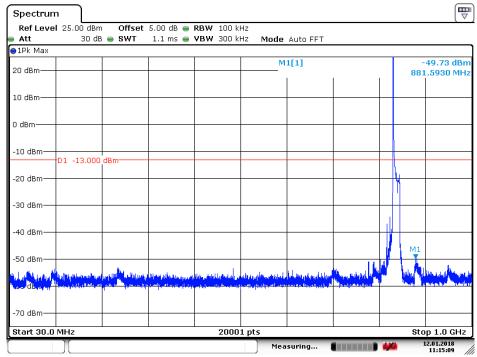
Date: 12.JAN.2018 11:14:21



								R	eport No	.: SZEM180100021803
								Р	age:	84 of 92
	l 25.00 dBm		5.00 dB 👄							
Att 1Pk Max	30 dE	3 🖷 SWT	30 ms 😑	VBW 3 MH	Mode A	uto Sweep				
					м	1[1]		-	35.17 dBm	
20 dBm						1	1		59440 GHz	
10 dBm										
0 dBm										
-10 dBm—	D1 -13.000	dBm								
-20 dBm—										
-30 dBm										
-40 dBm		والمتعادية والمتعادية	رار والمراجع الحقار خوال <sub>معا</sub> ر ا	المريدية مريدية المريدية		alamatali Ma ana mana ang alamata	a ha yan bistat kana	ر الأفادور من قاللولين ا	dent da ante de ser te de	
ingen en e	a alian akini di katena ayan da katendari Angara yang katendari angara katendari	California and Stations and a	a particular de la constitución de	and the second se			a particulation of the state of	indifferences and second second	and the state of the	
-60 dBm										
-70 dBm										
Start 1.0 G	GHz	1	1	2000	1 pts	1	1	Stop	10.0 GHz	
	)[				Mea	suring		444	12.01.2018 11:12:49	

Date: 12.JAN.2018 11:12:49





Date: 12.JAN.2018 11:15:09



								Page:	b.: SZEM180100021803 85 of 92
Spectrum									
Ref Level 25.00		5.00 dB 😑 I							
	O dB 👄 SWT	30 ms 😑 '	VBW 3 MHz	Mode A	uto Sweep.				
●1Pk Max					1[1]			-31.99 dBm	
20 dBm				IMI	1[1]	1	1	-31.99 uBm .669790 GHz	
10 dBm									
0 dBm									
-10 dBm	000 dBm								
-20 dBm									
-30 dBm									
-40 dBm		ل المالي المالي	المتعرب والتعريب فيتعال	and the second second		المعربين باللغار والمعرف		Alternation of the second second	
State different for the surface build at	hite to be the file of the second second	and the section of th	and a second			a selle proposition and a second second	and the second second	fina and a second second	
-50 dBm									
-60 dBm									
-70 dBm									
Start 1.0 GHz			2000	1 pts			St	op 10.0 GHz	
					suring			12.01.2018 11:12:25	

Date: 12.JAN.2018 11:12:26



Report No.: SZEM180100021803 Page: 86 of 92

## 7 Field Strength of Spurious Radiation

### 7.1 For LTE

### 7.1.1 Test Band = LTE band26

Remark: Only RSE were test in this report.

### **Diversity antenna**

7.1.1.1 Test Mode =LTE/TM1 15MHz RB1#0

7.1.1.1.1	Test Channel = LC	H		
Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
40.546667	-70.58	-13.00	57.58	Vertical
74.986667	-71.16	-13.00	58.16	Vertical
164.820000	-70.76	-13.00	57.76	Vertical
1649.000000	-61.46	-13.00	48.46	Vertical
2473.500000	-59.01	-13.00	46.01	Vertical
3298.350000	-63.31	-13.00	50.31	Vertical
73.306667	-73.02	-13.00	60.02	Horizontal
165.146667	-71.68	-13.00	58.68	Horizontal
1649.000000	-58.99	-13.00	45.99	Horizontal
2473.500000	-56.86	-13.00	43.86	Horizontal
3298.350000	-55.79	-13.00	42.79	Horizontal
6468.075000	-65.26	-13.00	52.26	Horizontal

### 7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
40.966667	-63.81	-13.00	50.81	Vertical
166.126667	-63.76	-13.00	50.76	Vertical
1664.000000	-59.92	-13.00	46.92	Vertical
2496.000000	-60.72	-13.00	47.72	Vertical
3328.087500	-64.46	-13.00	51.46	Vertical
6146.325000	-65.25	-13.00	52.25	Vertical
73.586667	-72.39	-13.00	59.39	Horizontal
164.026667	-65.70	-13.00	52.70	Horizontal
1664.000000	-60.01	-13.00	47.01	Horizontal
2496.000000	-58.86	-13.00	45.86	Horizontal
3328.087500	-58.12	-13.00	45.12	Horizontal
6595.800000	-65.22	-13.00	52.22	Horizontal



Report No.: SZEM180100021803 Page: 87 of 92

/.1.1.1.5				
Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
39.706667	-71.32	-13.00	58.32	Vertical
74.986667	-70.27	-13.00	57.27	Vertical
166.126667	-66.54	-13.00	53.54	Vertical
1679.000000	-59.82	-13.00	46.82	Vertical
2518.500000	-62.35	-13.00	49.35	Vertical
3358.312500	-65.07	-13.00	52.07	Vertical
72.326667	-75.83	-13.00	62.83	Horizontal
165.100000	-68.88	-13.00	55.88	Horizontal
1679.000000	-58.91	-13.00	45.91	Horizontal
2518.500000	-51.25	-13.00	38.25	Horizontal
3358.312500	-58.56	-13.00	45.56	Horizontal
6472.462500	-65.19	-13.00	52.19	Horizontal

#### 7.1.1.1.3 Test Channel = HCH

#### Main antenna

#### 7.1.1.2 Test Mode =LTE/TM1 15MHz RB1#0

7.1.1.2.1	Test Channel = LC	H		
Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
38.773333	-80.25	-13.00	67.25	Vertical
332.213333	-72.79	-13.00	59.79	Vertical
1649.000000	-57.68	-13.00	44.68	Vertical
2473.500000	-53.33	-13.00	40.33	Vertical
3298.350000	-60.03	-13.00	47.03	Vertical
4122.712500	-63.49	-13.00	50.49	Vertical
62.760000	-74.80	-13.00	61.80	Horizontal
320.453333	-77.35	-13.00	64.35	Horizontal
1649.000000	-73.49	-13.00	60.49	Horizontal
2473.500000	-58.10	-13.00	45.10	Horizontal
3297.862500	-60.43	-13.00	47.43	Horizontal
4122.712500	-64.83	-13.00	51.83	Horizontal

7.1.1.2.1 Test Channel = LCH



Report No.: SZEM180100021803 Page: 88 of 92

7.1.1.2.2	Test Channel = M	СН		
Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
64.393333	-81.63	-13.00	68.63	Vertical
325.213333	-72.40	-13.00	59.40	Vertical
1664.000000	-55.60	-13.00	42.60	Vertical
2496.000000	-60.67	-13.00	47.67	Vertical
3328.087500	-62.52	-13.00	49.52	Vertical
4160.250000	-57.56	-13.00	44.56	Vertical
62.760000	-76.36	-13.00	63.36	Horizontal
328.433333	-78.52	-13.00	65.52	Horizontal
1664.000000	-58.79	-13.00	45.79	Horizontal
3328.087500	-65.76	-13.00	52.76	Horizontal
4160.250000	-57.71	-13.00	44.71	Horizontal
5824.087500	-64.40	-13.00	51.40	Horizontal

#### 7.1.1.2.3 Test Channel = HCH

7.11.1.2.0				
Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
38.960000	-80.75	-13.00	67.75	Vertical
336.600000	-73.42	-13.00	60.42	Vertical
1679.000000	-53.53	-13.00	46.53	Vertical
2518.500000	-56.49	-13.00	43.49	Vertical
3357.825000	-63.23	-13.00	50.23	Vertical
4197.787500	-59.09	-13.00	46.09	Vertical
63.740000	-77.34	-13.00	64.34	Horizontal
319.426667	-76.96	-13.00	63.96	Horizontal
1679.500000	-57.38	-13.00	44.38	Horizontal
3358.312500	-65.58	-13.00	52.58	Horizontal
4197.787500	-59.16	-13.00	46.16	Horizontal
5876.737500	-63.82	-13.00	50.82	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.



Report No.: SZEM180100021803 Page: 89 of 92

## 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
				VL	-2.66	-0.00320	PASS
		LCH	TN	VN	1.42	0.00171	PASS
				VH	-5.23	-0.00629	PASS
				VL	-1.56	-0.00187	PASS
	LTE/TM1 15MHz	MCH	TN	VN	-2.80	-0.00335	PASS
				VH	1.72	0.00206	PASS
				VL	-5.36	-0.00637	PASS
		HCH	TN	VN	-4.90	-0.00582	PASS
				VH	-1.88	-0.00223	PASS
				VL	-4.30	-0.00517	PASS
		LCH	ΤN	VN	-3.33	-0.00400	PASS
				VH	-4.13	-0.00497	PASS
		МСН	TN	VL	1.20	0.00143	PASS
LTE band26	LTE/TM2 15MHz			VN	-3.99	-0.00477	PASS
				VH	1.63	0.00195	PASS
		НСН	TN	VL	-2.01	-0.00239	PASS
				VN	-6.10	-0.00725	PASS
				VH	5.11	0.00607	PASS
				VL	4.02	0.00483	PASS
		LCH	TN	VN	5.01	0.00603	PASS
				VH	-0.54	-0.00065	PASS
				VL	-1.78	-0.00213	PASS
	LTE/TM3 15MHz	MCH	TN	VN	2.89	0.00346	PASS
				VH	4.01	0.00479	PASS
				VL	-4.02	-0.00478	PASS
		HCH	TN	VN	2.69	0.00320	PASS
				VH	3.84	0.00456	PASS



Report No.: SZEM180100021803 Page: 90 of 92

### 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	LTE/TM1 15MHz	LCH	VN	-30	-4.39	-0.00528	PASS
				-20	-2.6	-0.00313	PASS
				-10	-2.47	-0.00297	PASS
				0	1.22	0.00147	PASS
				10	1.20	0.00144	PASS
				20	3.90	0.00469	PASS
				30	-0.65	-0.00078	PASS
				40	-2.79	-0.00336	PASS
				50	-6.2	-0.00746	PASS
		МСН	VN	-30	-5.90	-0.00705	PASS
				-20	-5.24	-0.00626	PASS
				-10	-3.38	-0.00404	PASS
				0	-1.59	-0.00190	PASS
				10	-2.24	-0.00268	PASS
				20	-3.68	-0.00440	PASS
				30	-3.74	-0.00447	PASS
				40	-4.89	-0.00585	PASS
				50	-5.43	-0.00649	PASS
		нсн	VN	-30	-6.65	-0.00790	PASS
				-20	-3.26	-0.00387	PASS
				-10	0.69	0.00082	PASS
				0	-2.48	-0.00295	PASS
				10	2.46	0.00292	PASS
				20	-0.33	-0.00039	PASS
				30	-2.69	-0.00320	PASS
				40	-4.37	-0.00519	PASS
				50	-3.85	-0.00458	PASS



Report No.: SZEM180100021803 Page: 91 of 92

	Page: 91 01 92						
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		LCH	VN	-30	-3.65	-0.00439	PASS
				-20	-2.46	-0.00296	PASS
				-10	1.27	0.00153	PASS
				0	2.23	0.00268	PASS
				10	1.76	0.00212	PASS
	LTE/TM2 15MHz			20	-0.82	-0.00099	PASS
				30	-3.84	-0.00462	PASS
				40	2.26	0.00272	PASS
				50	-4.82	-0.00580	PASS
LTE band26		МСН	VN	-30	-3.37	-0.00403	PASS
				-20	-2.63	-0.00314	PASS
				-10	-2.19	-0.00262	PASS
				0	-1.82	-0.00218	PASS
				10	-0.76	-0.00091	PASS
				20	1.24	0.00148	PASS
				30	-2.23	-0.00267	PASS
				40	-6.79	-0.00812	PASS
				50	-5.42	-0.00648	PASS
				-30	-3.47	-0.00412	PASS
		нсн	VN	-20	-4.79	-0.00569	PASS
				-10	2.38	0.00283	PASS
				0	-3.58	-0.00425	PASS
				10	2.29	0.00272	PASS
				20	-1.49	-0.00177	PASS
				30	-3.29	-0.00391	PASS
				40	-4.07	-0.00484	PASS
				50	-4.52	-0.00537	PASS



Report No.: SZEM180100021803 Page: 92 of 92

				Page: 92 of 92			
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE band26	LTE/TM3 15MHz	LCH	VN	-30	-3.67	-0.00441	PASS
				-20	-2.44	-0.00293	PASS
				-10	1.89	0.00227	PASS
				0	2.35	0.00283	PASS
				10	1.78	0.00214	PASS
				20	-0.89	-0.00107	PASS
				30	-3.83	-0.00461	PASS
				40	2.45	0.00295	PASS
				50	-4.38	-0.00527	PASS
		МСН	VN	-30	-3.49	-0.00417	PASS
				-20	-2.20	-0.00263	PASS
				-10	-2.89	-0.00346	PASS
				0	-1.30	-0.00155	PASS
				10	-0.69	-0.00082	PASS
				20	1.39	0.00166	PASS
				30	-2.20	-0.00263	PASS
				40	-6.50	-0.00777	PASS
				50	-5.97	-0.00714	PASS PASS PASS PASS PASS PASS PASS PASS
				-30	-3.58	-0.00425	
		нсн	VN	-20	-4.59	-0.00545	PASS
				-10	2.59	0.00308	PASS
				0	-3.38	-0.00402	PASS
				10	2.59	0.00308	PASS
				20	-1.26	-0.00150	PASS
				30	-3.38	-0.00402	PASS
				40	-4.69	-0.00557	PASS
				50	-4.38	-0.00520	PASS

The End