

Report No.: SZEM180300241701

Page: 1 of 121

# Appendix B

E-UTRA Band 2



Report No.: SZEM180300241701

Page: 2 of 121

### **CONTENT**

	Page
1 EFFECTIVE (ISOTROPIC) RADIATED I	POWER OUTPUT DATA
2 PEAK-TO-AVERAGE RATIO	1
2.1 FOR LTE	1!
2.1.1 Test Band = LTE band2	
3 MODULATION CHARACTERISTICS	2
3.1 FOR LTE	2:
3.1.1 Test Band = LTE band2	2
4 BANDWIDTH	2
4.1 FOR LTE	20
4.1.1 Test Band = LTE band2	
5 BAND EDGES COMPLIANCE	6
5.1 FOR LTE	60
5.1.1 Test Band = LTE band2	
6 SPURIOUS EMISSION AT ANTENNA T	ERMINAL10
6.1 For LTE	
6.1.1 Test Band = LTE band2	
7 FIELD STRENGTH OF SPURIOUS RAI	DIATION11
7.1 FOR LTE	11
7.1.1 Test Band = LTE band2	
8 FREQUENCY STABILITY	11
8.1 FREQUENCY ERROR VS. VOLTAGE	
8.2 FREQUENCY ERROR VS. TEMPERATU	RE



Report No.: SZEM180300241701

Page: 3 of 121

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

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

Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE BAND 2										
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict		
				RB1#0	20.83	22.03	33.00	PASS		
				RB1#2	20.85	22.05	33.00	PASS		
				RB1#5	20.77	21.97	33.00	PASS		
			LCH	RB3#0	20.77	21.97	33.00	PASS		
				RB3#2	20.83	22.03	33.00	PASS		
				RB3#3	20.99	22.19	33.00	PASS		
				RB6#0	19.73	20.93	33.00	PASS		
				RB1#0	20.8	22	33.00	PASS		
				RB1#2	20.85	22.05	33.00	PASS		
				RB1#5	20.8	22	33.00	PASS		
BAND2	LTE/TM1	1.4M	MCH	RB3#0	20.91	22.11	33.00	PASS		
				RB3#2	20.9	22.1	33.00	PASS		
				RB3#3	20.95	22.15	33.00	PASS		
				RB6#0	19.88	21.08	33.00	PASS		
				RB1#0	20.76	21.96	33.00	PASS		
				RB1#2	20.79	21.99	33.00	PASS		
				RB1#5	20.84	22.04	33.00	PASS		
			HCH	RB3#0	21.03	22.23	33.00	PASS		
			RB3#2	20.96	22.16	33.00	PASS			
				RB3#3	20.84	22.04	33.00	PASS		
				RB6#0	20.01	21.21	33.00	PASS		



Report No.: SZEM180300241701

Page: 4 of 121

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	19.1	20.3	33.00	PASS
				RB1#2	19.96	21.16	33.00	PASS
				RB1#5	19.5	20.7	33.00	PASS
			LCH	RB3#0	19.55	20.75	33.00	PASS
				RB3#2	19.67	20.87	33.00	PASS
				RB3#3	19.6	20.8	33.00	PASS
				RB6#0	18.52	19.72	33.00	PASS
				RB1#0	19.98	21.18	33.00	PASS
				RB1#2	19.84	21.04	33.00	PASS
				RB1#5	19.35	20.55	33.00	PASS
BAND2	LTE/TM2	1.4M	MCH	RB3#0	19.8	21	33.00	PASS
				RB3#2	19.83	21.03	33.00	PASS
				RB3#3	19.58	20.78	33.00	PASS
				RB6#0	18.76	19.96	33.00	PASS
				RB1#0	20.2	21.4	33.00	PASS
				RB1#2	19.7	20.9	33.00	PASS
				RB1#5	19.7	20.9	33.00	PASS
			HCH	RB3#0	19.78	20.98	33.00	PASS
				RB3#2	19.76	20.96	33.00	PASS
				RB3#3	19.64	20.84	33.00	PASS
				RB6#0	18.89	20.09	33.00	PASS



Report No.: SZEM180300241701

Page: 5 of 121

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	20.62	21.82	33.00	PASS
				RB1#7	20.67	21.87	33.00	PASS
				RB1#14	20.63	21.83	33.00	PASS
			LCH	RB8#0	19.79	20.99	33.00	PASS
				RB8#4	19.8	21	33.00	PASS
				RB8#7	19.72	20.92	33.00	PASS
				RB15#0	19.73	20.93	33.00	PASS
				RB1#0	20.78	21.98	33.00	PASS
				RB1#7	20.99	22.19	33.00	PASS
				RB1#14	20.78	21.98	33.00	PASS
BAND2	LTE/TM1	3M	MCH	RB8#0	19.92	21.12	33.00	PASS
				RB8#4	19.93	21.13	33.00	PASS
				RB8#7	19.87	21.07	33.00	PASS
				RB15#0	19.88	21.08	33.00	PASS
				RB1#0	20.77	21.97	33.00	PASS
				RB1#7	20.74	21.94	33.00	PASS
				RB1#14	20.66	21.86	33.00	PASS
			HCH	RB8#0	19.87	21.07	33.00	PASS
				RB8#4	20.01	21.21	33.00	PASS
				RB8#7	19.93	21.13	33.00	PASS
				RB15#0	19.93	21.13	33.00	PASS



Report No.: SZEM180300241701

Page: 6 of 121

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	19.65	20.85	33.00	PASS
				RB1#7	19.87	21.07	33.00	PASS
				RB1#14	19.23	20.43	33.00	PASS
			LCH	RB8#0	18.74	19.94	33.00	PASS
				RB8#4	18.81	20.01	33.00	PASS
				RB8#7	18.77	19.97	33.00	PASS
				RB15#0	18.69	19.89	33.00	PASS
				RB1#0	19.49	20.69	33.00	PASS
				RB1#7	19.71	20.91	33.00	PASS
				RB1#14	19.07	20.27	33.00	PASS
BAND2	LTE/TM2	3M	МСН	RB8#0	18.8	20	33.00	PASS
				RB8#4	18.85	20.05	33.00	PASS
				RB8#7	18.87	20.07	33.00	PASS
				RB15#0	18.53	19.73	33.00	PASS
				RB1#0	19.78	20.98	33.00	PASS
				RB1#7	20.05	21.25	33.00	PASS
				RB1#14	20.08	21.28	33.00	PASS
			HCH	RB8#0	18.95	20.15	33.00	PASS
			RB8#4	18.97	20.17	33.00	PASS	
				RB8#7	19.02	20.22	33.00	PASS
				RB15#0	19	20.2	33.00	PASS



Report No.: SZEM180300241701

Page: 7 of 121

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	20.74	21.94	33.00	PASS
				RB1#13	20.88	22.08	33.00	PASS
				RB1#24	20.69	21.89	33.00	PASS
			LCH	RB12#0	19.74	20.94	33.00	PASS
				RB12#6	19.71	20.91	33.00	PASS
				RB12#13	19.7	20.9	33.00	PASS
				RB25#0	19.83	21.03	33.00	PASS
				RB1#0	20.73	21.93	33.00	PASS
				RB1#13	20.91	22.11	33.00	PASS
				RB1#24	20.95	22.15	33.00	PASS
BAND2	LTE/TM1	5M	MCH	RB12#0	19.96	21.16	33.00	PASS
				RB12#6	19.97	21.17	33.00	PASS
				RB12#13	19.97	21.17	33.00	PASS
				RB25#0	19.91	21.11	33.00	PASS
				RB1#0	20.91	22.11	33.00	PASS
				RB1#13	20.92	22.12	33.00	PASS
				RB1#24	20.76	21.96	33.00	PASS
		HCH	RB12#0	19.95	21.15	33.00	PASS	
			RB12#6	19.94	21.14	33.00	PASS	
			RB12#13	19.89	21.09	33.00	PASS	
				RB25#0	19.95	21.15	33.00	PASS



Report No.: SZEM180300241701

Page: 8 of 121

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	19.63	20.83	33.00	PASS
				RB1#13	20.19	21.39	33.00	PASS
				RB1#24	19.57	20.77	33.00	PASS
			LCH	RB12#0	18.62	19.82	33.00	PASS
				RB12#6	18.59	19.79	33.00	PASS
				RB12#13	18.63	19.83	33.00	PASS
				RB25#0	18.91	20.11	33.00	PASS
				RB1#0	19.74	20.94	33.00	PASS
				RB1#13	19.88	21.08	33.00	PASS
				RB1#24	19.65	20.85	33.00	PASS
BAND2	LTE/TM2	5M	MCH	RB12#0	18.67	19.87	33.00	PASS
				RB12#6	18.63	19.83	33.00	PASS
				RB12#13	19	20.2	33.00	PASS
				RB25#0	18.77	19.97	33.00	PASS
				RB1#0	20.01	21.21	33.00	PASS
				RB1#13	19.96	21.16	33.00	PASS
				RB1#24	19.82	21.02	33.00	PASS
		нсн	RB12#0	19.14	20.34	33.00	PASS	
			RB12#6	19.12	20.32	33.00	PASS	
			RB12#13	18.95	20.15	33.00	PASS	
				RB25#0	18.9	20.1	33.00	PASS



Report No.: SZEM180300241701

Page: 9 of 121

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	20.36	21.56	33.00	PASS
				RB1#25	20.97	22.17	33.00	PASS
				RB1#49	20.84	22.04	33.00	PASS
			LCH	RB25#0	19.85	21.05	33.00	PASS
				RB25#13	19.91	21.11	33.00	PASS
				RB25#25	19.72	20.92	33.00	PASS
				RB50#0	19.87	21.07	33.00	PASS
				RB1#0	20.63	21.83	33.00	PASS
				RB1#25	20.98	22.18	33.00	PASS
				RB1#49	20.7	21.9	33.00	PASS
BAND2	LTE/TM1	10M	MCH	RB25#0	19.98	21.18	33.00	PASS
				RB25#13	19.95	21.15	33.00	PASS
				RB25#25	19.94	21.14	33.00	PASS
				RB50#0	20.01	21.21	33.00	PASS
				RB1#0	20.77	21.97	33.00	PASS
				RB1#25	21.16	22.36	33.00	PASS
				RB1#49	20.77	21.97	33.00	PASS
			НСН	RB25#0	20.03	21.23	33.00	PASS
				RB25#13	20	21.2	33.00	PASS
			RB25#25	19.95	21.15	33.00	PASS	
				RB50#0	20.04	21.24	33.00	PASS



Report No.: SZEM180300241701

Page: 10 of 121

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	19.29	20.49	33.00	PASS
				RB1#25	19.78	20.98	33.00	PASS
				RB1#49	19.74	20.94	33.00	PASS
			LCH	RB25#0	18.79	19.99	33.00	PASS
				RB25#13	18.81	20.01	33.00	PASS
				RB25#25	18.5	19.7	33.00	PASS
				RB50#0	18.81	20.01	33.00	PASS
				RB1#0	19.85	21.05	33.00	PASS
				RB1#25	20.04	21.24	33.00	PASS
				RB1#49	18.97	20.17	33.00	PASS
BAND2	LTE/TM2	10M	MCH	RB25#0	18.83	20.03	33.00	PASS
				RB25#13	18.9	20.1	33.00	PASS
				RB25#25	18.89	20.09	33.00	PASS
				RB50#0	18.91	20.11	33.00	PASS
				RB1#0	19.26	20.46	33.00	PASS
				RB1#25	19.35	20.55	33.00	PASS
				RB1#49	19.67	20.87	33.00	PASS
			НСН	RB25#0	18.93	20.13	33.00	PASS
			RB25#13	18.95	20.15	33.00	PASS	
			RB25#25	18.77	19.97	33.00	PASS	
				RB50#0	19.06	20.26	33.00	PASS



Report No.: SZEM180300241701

Page: 11 of 121

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	20.6	21.8	33.00	PASS
				RB1#38	20.76	21.96	33.00	PASS
				RB1#74	20.81	22.01	33.00	PASS
			LCH	RB36#0	19.94	21.14	33.00	PASS
				RB36#18	19.82	21.02	33.00	PASS
				RB36#39	19.79	20.99	33.00	PASS
				RB75#0	19.77	20.97	33.00	PASS
				RB1#0	20.84	22.04	33.00	PASS
				RB1#38	20.95	22.15	33.00	PASS
			MCH	RB1#74	20.81	22.01	33.00	PASS
BAND2	LTE/TM1	15M		RB36#0	19.94	21.14	33.00	PASS
				RB36#18	19.97	21.17	33.00	PASS
				RB36#39	19.97	21.17	33.00	PASS
				RB75#0	19.96	21.16	33.00	PASS
				RB1#0	20.7	21.9	33.00	PASS
				RB1#38	20.93	22.13	33.00	PASS
				RB1#74	20.63	21.83	33.00	PASS
		HCH	RB36#0	20.06	21.26	33.00	PASS	
			RB36#18	19.98	21.18	33.00	PASS	
			RB36#39	19.95	21.15	33.00	PASS	
				RB75#0	19.95	21.15	33.00	PASS



Report No.: SZEM180300241701

Page: 12 of 121

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	19.01	20.21	33.00	PASS
				RB1#38	19.23	20.43	33.00	PASS
				RB1#74	18.97	20.17	33.00	PASS
			LCH	RB36#0	18.85	20.05	33.00	PASS
				RB36#18	18.75	19.95	33.00	PASS
				RB36#39	18.64	19.84	33.00	PASS
				RB75#0	18.8	20	33.00	PASS
				RB1#0	19.64	20.84	33.00	PASS
				RB1#38	20.04	21.24	33.00	PASS
				RB1#74	19.76	20.96	33.00	PASS
BAND2	LTE/TM2	15M	MCH	RB36#0	18.84	20.04	33.00	PASS
				RB36#18	18.87	20.07	33.00	PASS
				RB36#39	18.79	19.99	33.00	PASS
				RB75#0	18.86	20.06	33.00	PASS
				RB1#0	19.95	21.15	33.00	PASS
				RB1#38	20	21.2	33.00	PASS
				RB1#74	19.5	20.7	33.00	PASS
			HCH	RB36#0	19	20.2	33.00	PASS
			RB36#18	18.87	20.07	33.00	PASS	
			RB36#39	18.77	19.97	33.00	PASS	
				RB75#0	19.02	20.22	33.00	PASS



Report No.: SZEM180300241701

Page: 13 of 121

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	20.7	21.9	33.00	PASS
				RB1#50	20.92	22.12	33.00	PASS
				RB1#99	20.32	21.52	33.00	PASS
			LCH	RB50#0	19.8	21	33.00	PASS
				RB50#25	19.8	21	33.00	PASS
				RB50#50	19.76	20.96	33.00	PASS
				RB100#0	19.73	20.93	33.00	PASS
				RB1#0	20.55	21.75	33.00	PASS
				RB1#50	21.15	22.35	33.00	PASS
				RB1#99	20.53	21.73	33.00	PASS
BAND2	LTE/TM1	20M	MCH	RB50#0	20.07	21.27	33.00	PASS
				RB50#25	20.02	21.22	33.00	PASS
				RB50#50	19.86	21.06	33.00	PASS
				RB100#0	19.95	21.15	33.00	PASS
				RB1#0	20.62	21.82	33.00	PASS
				RB1#50	21.17	22.37	33.00	PASS
				RB1#99	20.68	21.88	33.00	PASS
			НСН	RB50#0	20.1	21.3	33.00	PASS
				RB50#25	20.07	21.27	33.00	PASS
				RB50#50	19.87	21.07	33.00	PASS
				RB100#0	20.13	21.33	33.00	PASS



Report No.: SZEM180300241701

Page: 14 of 121

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
	BAND2 LTE/TM2	/TM2 20M	LCH	RB1#0	19.42	20.62	33.00	PASS
				RB1#50	20.06	21.26	33.00	PASS
				RB1#99	19.63	20.83	33.00	PASS
				RB50#0	18.6	19.8	33.00	PASS
				RB50#25	18.75	19.95	33.00	PASS
				RB50#50	18.67	19.87	33.00	PASS
				RB100#0	18.68	19.88	33.00	PASS
			мсн	RB1#0	19.59	20.79	33.00	PASS
				RB1#50	20.45	21.65	33.00	PASS
				RB1#99	19.69	20.89	33.00	PASS
BAND2				RB50#0	18.87	20.07	33.00	PASS
				RB50#25	18.77	19.97	33.00	PASS
				RB50#50	18.78	19.98	33.00	PASS
				RB100#0	18.85	20.05	33.00	PASS
			НСН	RB1#0	19.69	20.89	33.00	PASS
				RB1#50	20.62	21.82	33.00	PASS
				RB1#99	19.71	20.91	33.00	PASS
				RB50#0	18.95	20.15	33.00	PASS
				RB50#25	19	20.2	33.00	PASS
				RB50#50	18.97	20.17	33.00	PASS
				RB100#0	18.97	20.17	33.00	PASS

#### Note:

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

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

b: SGP=Signal Generator Level



Report No.: SZEM180300241701

Page: 15 of 121

### 2 Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
Band 2	TM1/20M	LCH	4.49	13	PASS
		MCH	4.43	13	PASS
		HCH	4.52	13	PASS
	TM2/20M	LCH	5.62	13	PASS
		MCH	5.57	13	PASS
		HCH	5.62	13	PASS

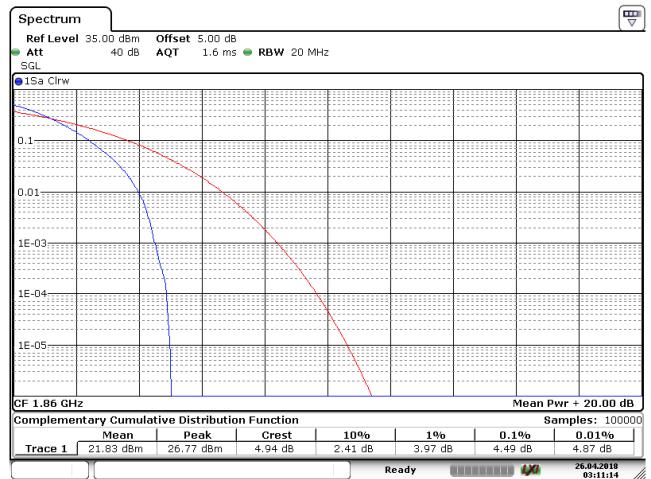
Part II - Test Plots

#### 2.1 For LTE

#### 2.1.1 Test Band = LTE band2

#### 2.1.1.1 Test Mode = LTE/TM1.Bandwidth=20MHz

#### 2.1.1.1.1 Test Channel = LCH



Date: 26.APR.2018 03:11:15



Report No.: SZEM180300241701

Page: 16 of 121

#### 2.1.1.1.2 Test Channel = MCH



Date: 26.APR.2018 03:14:07



Report No.: SZEM180300241701

Page: 17 of 121

#### 2.1.1.1.3 Test Channel = HCH



Date: 26.APR.2018 03:18:24

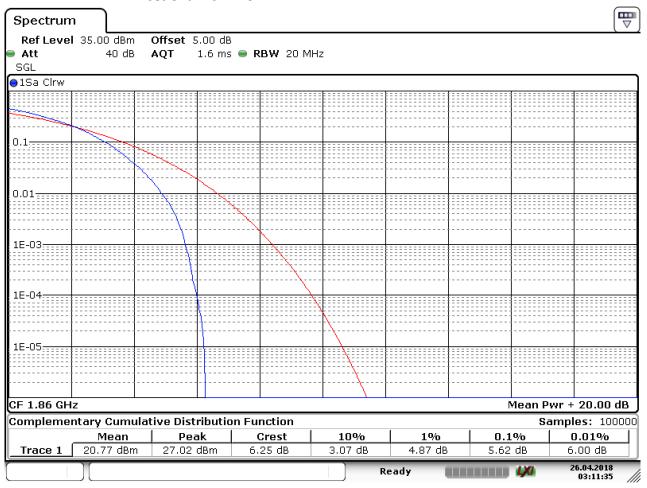


Report No.: SZEM180300241701

Page: 18 of 121

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

#### 2.1.1.2.1 Test Channel = LCH



Date: 26.APR.2018 03:11:36



Report No.: SZEM180300241701

Page: 19 of 121

#### 2.1.1.2.2 Test Channel = MCH



Date: 26.APR.2018 03:13:53



Report No.: SZEM180300241701

Page: 20 of 121

#### 2.1.1.2.3 Test Channel = HCH



Date: 26.APR.2018 03:18:10



Report No.: SZEM180300241701

Page: 21 of 121

### 3 Modulation Characteristics

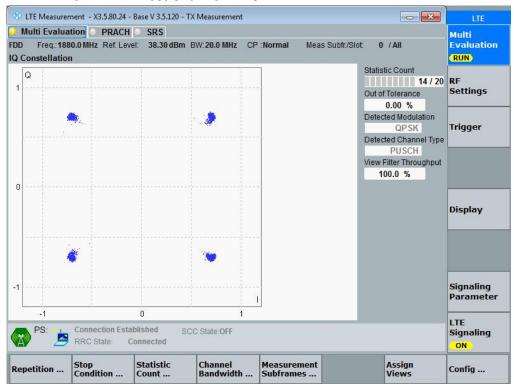
Part I - Test Plots

#### 3.1 For LTE

#### 3.1.1 Test Band = LTE band2

#### 3.1.1.1 Test Mode = LTE /TM1 20MHz

#### 3.1.1.1.1 Test Channel = MCH



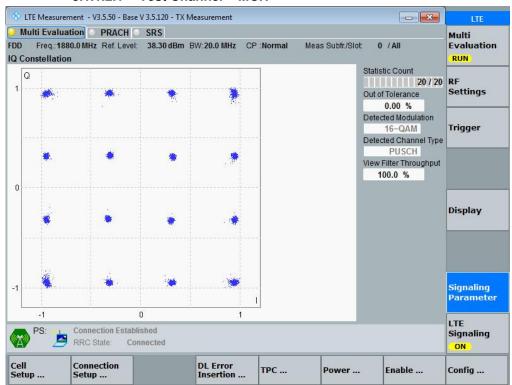


Report No.: SZEM180300241701

Page: 22 of 121

### 3.1.1.2 Test Mode = LTE /TM2 20MHz

#### 3.1.1.2.1 Test Channel = MCH





Report No.: SZEM180300241701

Page: 23 of 121

### 4 Bandwidth

#### Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		LCH	1.10	1.32	PASS
	TM1/1.4MHz	MCH	1.10	1.28	PASS
		HCH	1.10	1.34	PASS
		LCH	1.09	1.30	PASS
	TM2/1.4MHz	MCH	1.09	1.29	PASS
		HCH	1.11	1.32	PASS
		LCH	2.69	2.94	PASS
	TM1/3MHz	MCH	2.69	2.95	PASS
		HCH	2.69	2.94	PASS
		LCH	2.69	2.94	PASS
	TM2/3MHz	MCH	2.69	2.93	PASS
		HCH	2.69	2.94	PASS
		LCH	4.49	4.90	PASS
	TM1/5MHz	MCH	4.49	4.93	PASS
		HCH	4.48	4.94	PASS
	TM2/ 5MHz	LCH	4.48	4.88	PASS
		MCH	4.48	4.95	PASS
		HCH	4.48	4.97	PASS
Band 2	TM1/10MHz	LCH	8.93	9.67	PASS
		MCH	8.91	9.65	PASS
		HCH	8.91	9.75	PASS
		LCH	8.93	9.73	PASS
	TM2/ 10MHz	MCH	8.93	9.69	PASS
		HCH	8.91	9.59	PASS
		LCH	13.43	14.72	PASS
	TM1/ 15MHz	MCH	13.47	14.78	PASS
		HCH	13.40	14.69	PASS
		LCH	13.46	14.69	PASS
	TM2/ 15MHz	MCH	13.43	14.66	PASS
		HCH	13.46	14.69	PASS
		LCH	17.90	19.50	PASS
	TM1/ 20MHz	MCH	17.78	19.26	PASS
		HCH	17.90	19.26	PASS
		LCH	17.86	19.30	PASS
	TM2/ 20MHz	MCH	17.82	19.38	PASS
		HCH	17.86	19.38	PASS



Report No.: SZEM180300241701

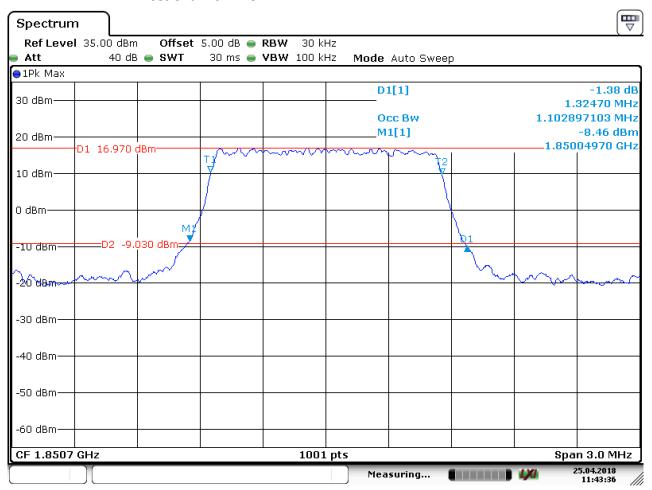
Page: 24 of 121

### 4.1 For LTE

#### 4.1.1 Test Band = LTE band2

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

#### 4.1.1.1.1 Test Channel = LCH

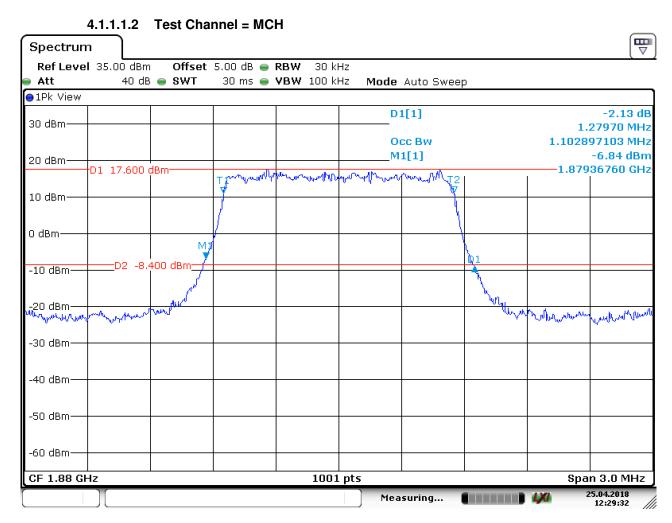


Date: 25.APR.2018 11:43:36



Report No.: SZEM180300241701

Page: 25 of 121

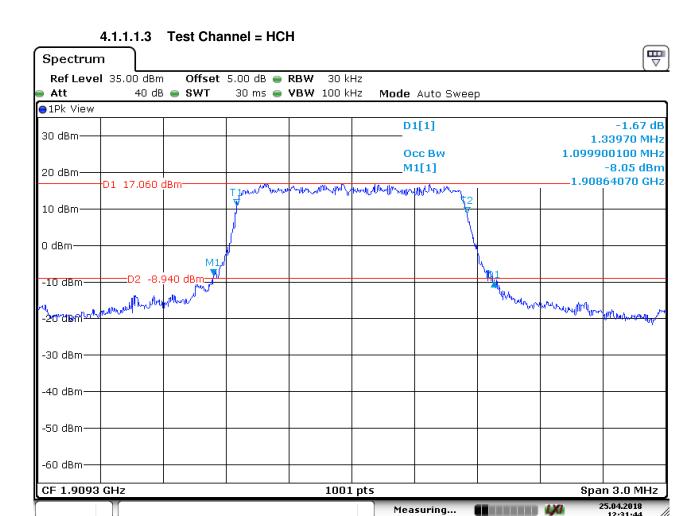


Date: 25.APR.2018 12:29:32



Report No.: SZEM180300241701

Page: 26 of 121



Date: 25.APR.2018 12:31:45

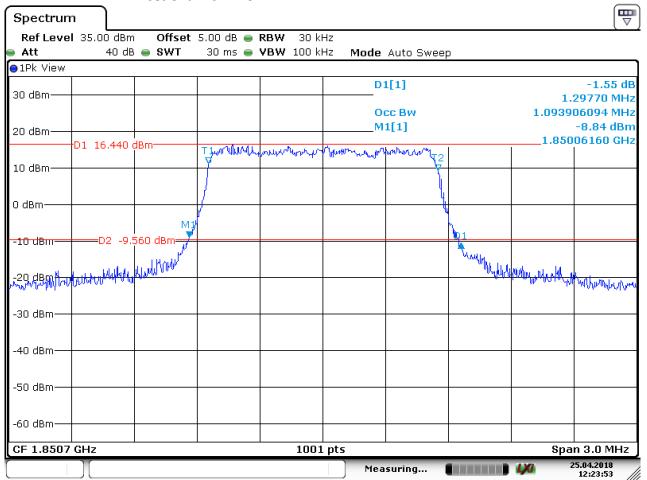


Report No.: SZEM180300241701

Page: 27 of 121

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

#### 4.1.1.2.1 Test Channel = LCH

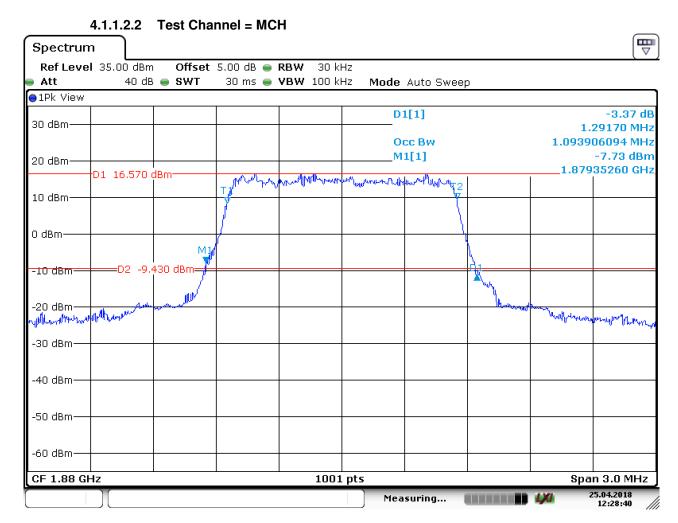


Date: 25.APR.2018 12:23:53



Report No.: SZEM180300241701

Page: 28 of 121



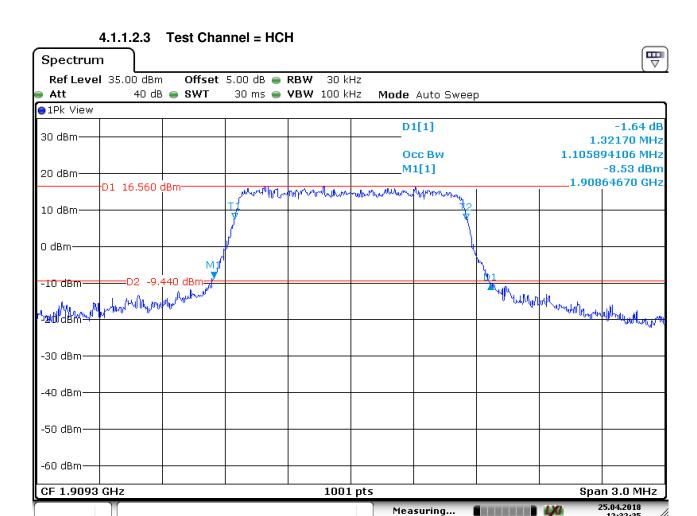
Date: 25.APR.2018 12:28:40



Report No.: SZEM180300241701

12:32:35

Page: 29 of 121



Date: 25.APR.2018 12:32:35

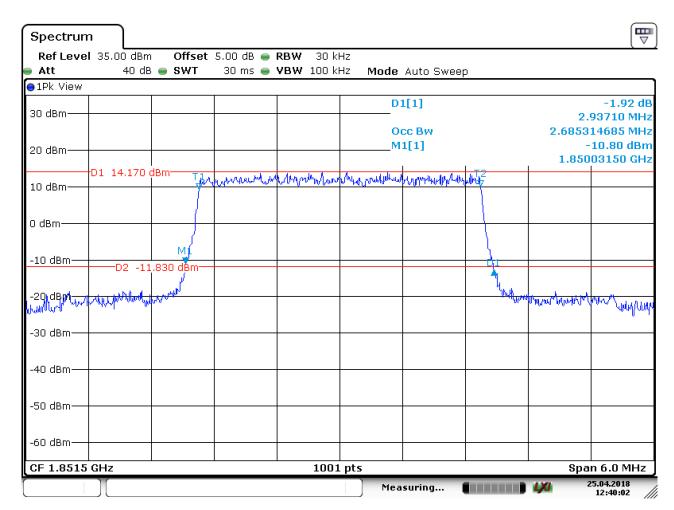


Report No.: SZEM180300241701

Page: 30 of 121

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

#### 4.1.1.3.1 Test Channel = LCH

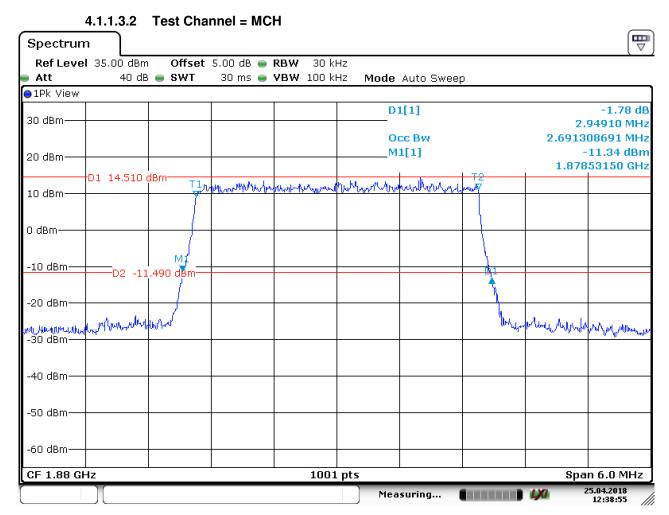


Date: 25.APR.2018 12:40:02



Report No.: SZEM180300241701

Page: 31 of 121

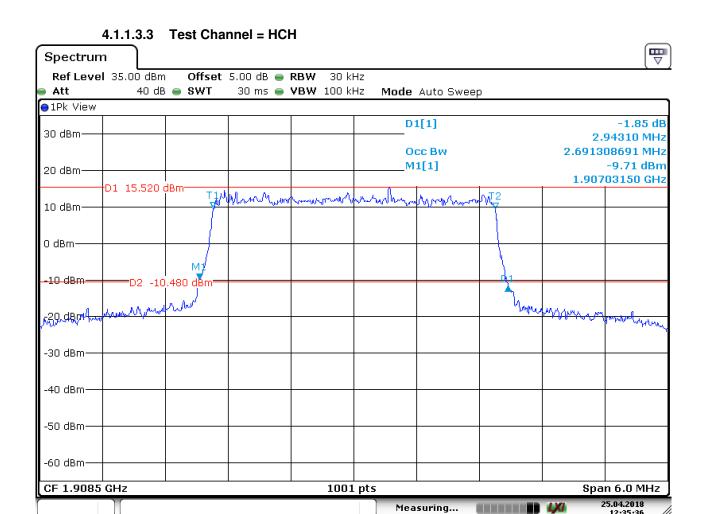


Date: 25.APR.2018 12:38:56



Report No.: SZEM180300241701

Page: 32 of 121



Date: 25.APR.2018 12:35:36

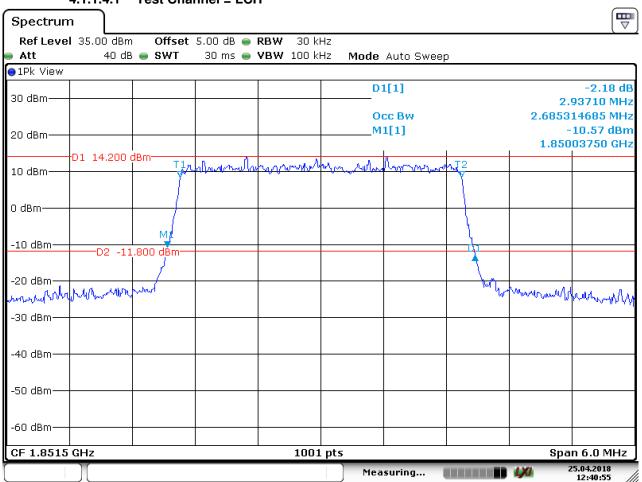


Report No.: SZEM180300241701

Page: 33 of 121

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

#### 4.1.1.4.1 Test Channel = LCH



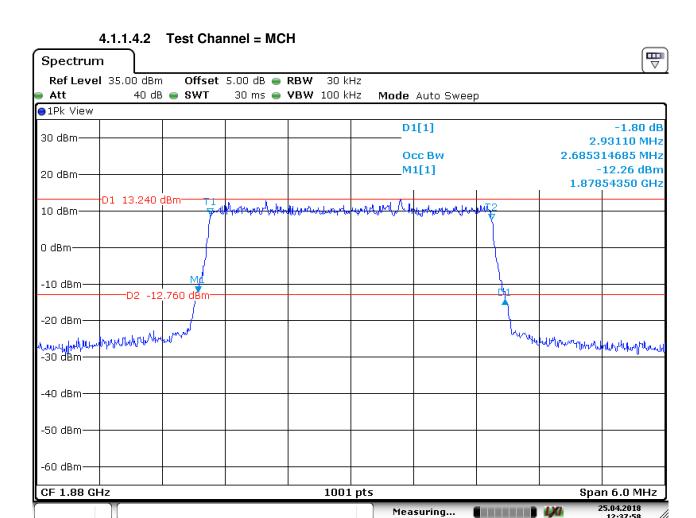
Date: 25.APR.2018 12:40:55



Report No.: SZEM180300241701

12:37:58

Page: 34 of 121



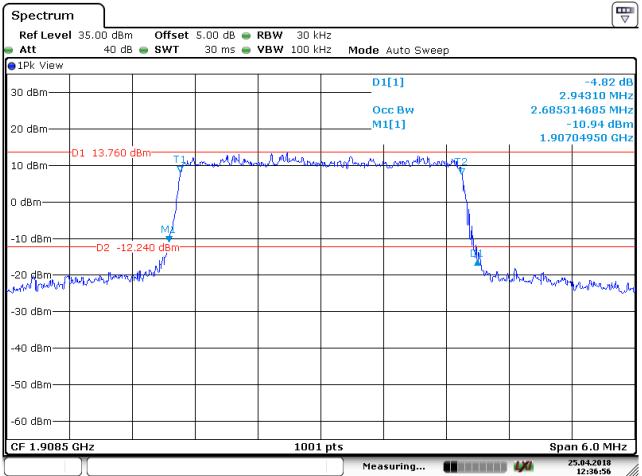
Date: 25.APR.2018 12:37:58



Report No.: SZEM180300241701

Page: 35 of 121





Date: 25.APR.2018 12:36:56

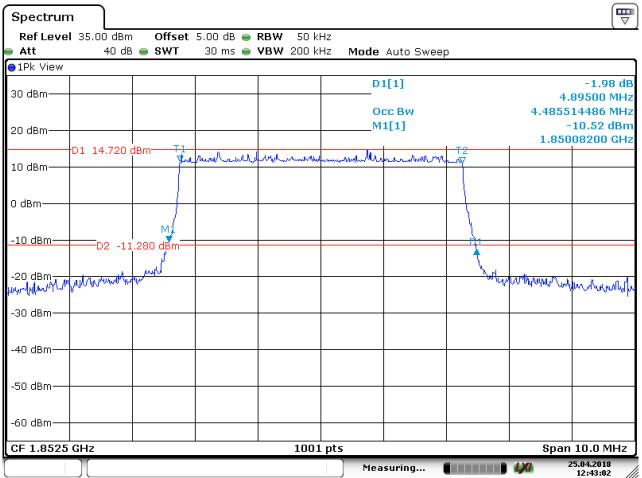


Report No.: SZEM180300241701

Page: 36 of 121

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

#### 4.1.1.5.1 Test Channel = LCH

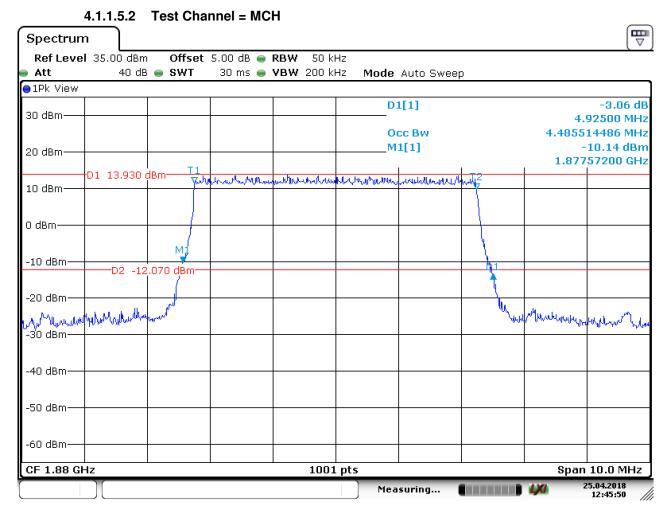


Date: 25.APR.2018 12:43:03



Report No.: SZEM180300241701

Page: 37 of 121



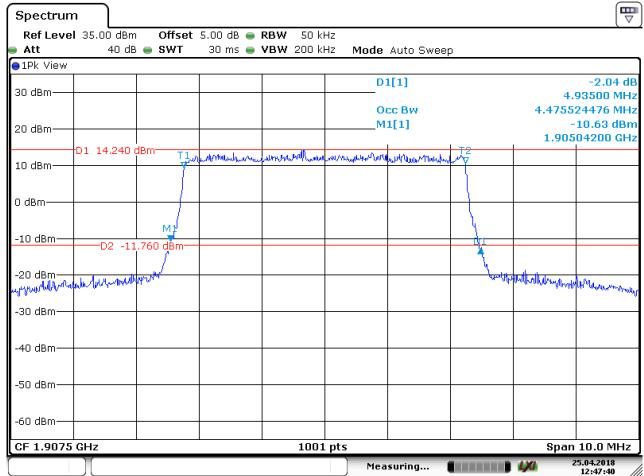
Date: 25.APR.2018 12:45:51



Report No.: SZEM180300241701

Page: 38 of 121





Date: 25.APR.2018 12:47:40

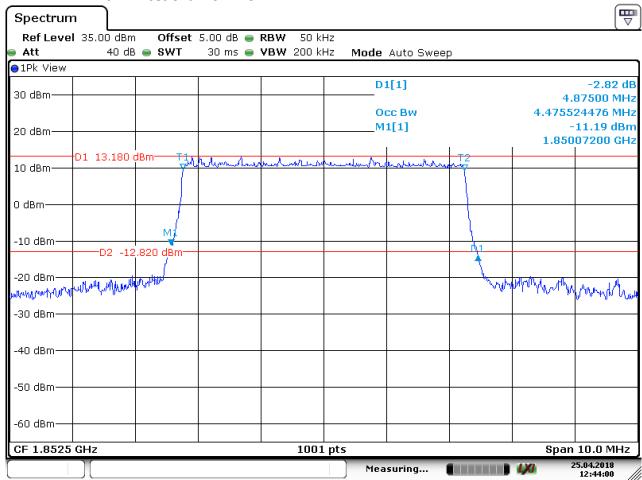


Report No.: SZEM180300241701

Page: 39 of 121

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

### 4.1.1.6.1 Test Channel = LCH



Date: 25.APR.2018 12:44:00

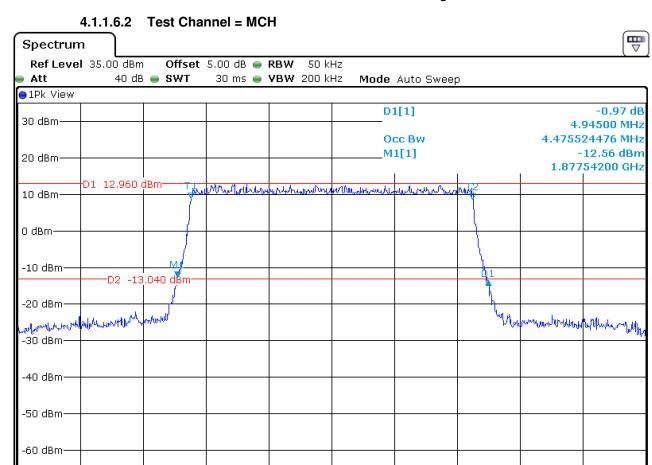


Report No.: SZEM180300241701

Span 10.0 MHz 25.04.2018

LXI

Page: 40 of 121



1001 pts

Measuring...

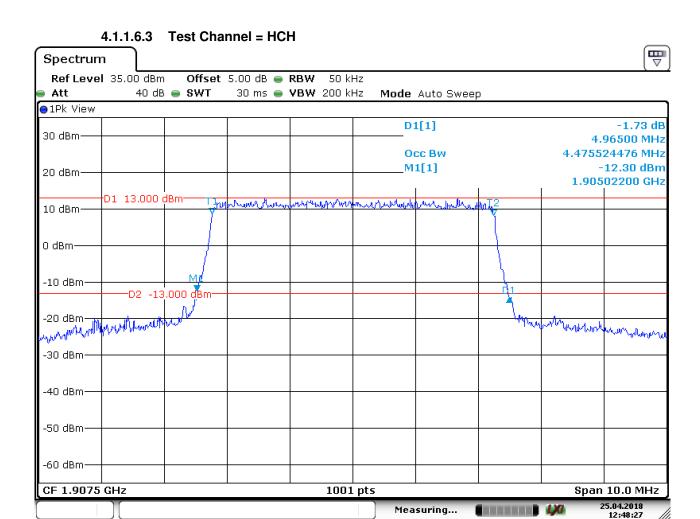
Date: 25.APR.2018 12:44:58

CF 1.88 GHz



Report No.: SZEM180300241701

Page: 41 of 121



Date: 25.APR.2018 12:48:28

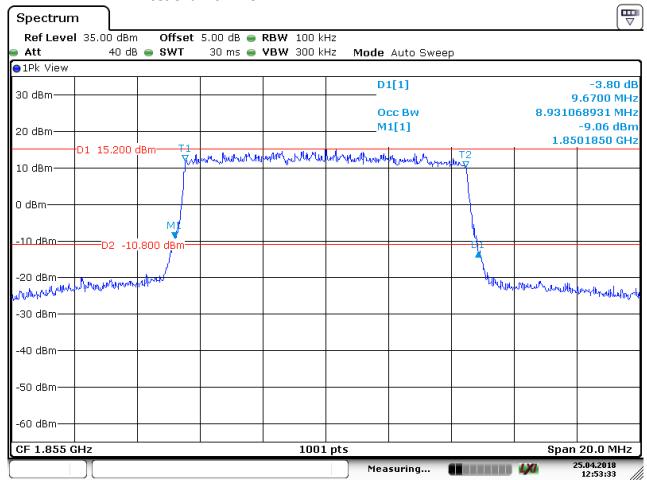


Report No.: SZEM180300241701

Page: 42 of 121

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

#### 4.1.1.7.1 Test Channel = LCH

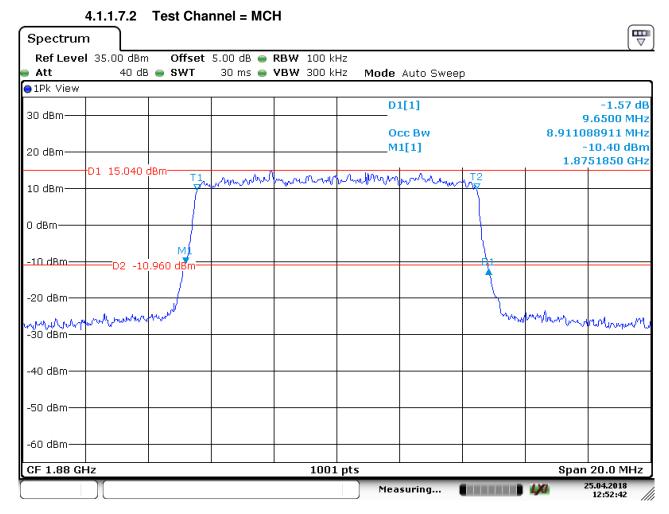


Date: 25.APR.2018 12:53:33



Report No.: SZEM180300241701

Page: 43 of 121



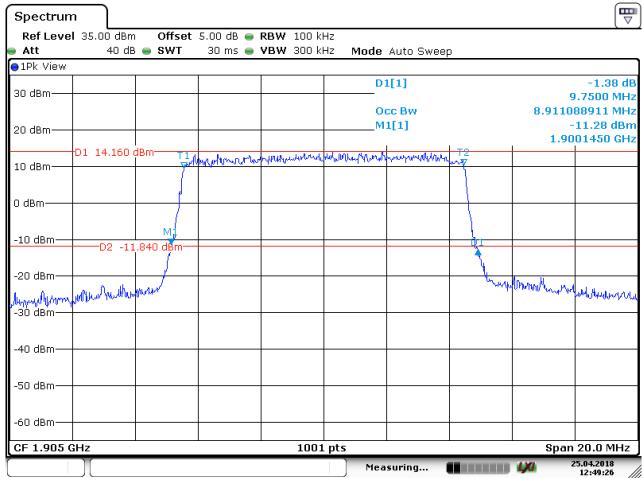
Date: 25.APR.2018 12:52:43



Report No.: SZEM180300241701

Page: 44 of 121





Date: 25.APR.2018 12:49:26

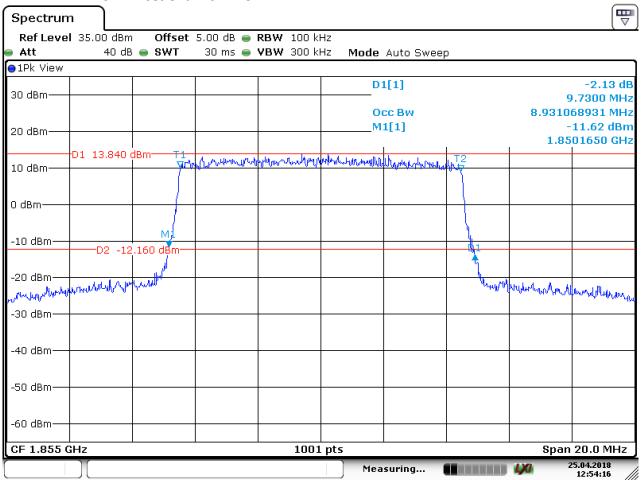


Report No.: SZEM180300241701

Page: 45 of 121

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

### 4.1.1.8.1 Test Channel = LCH



Date: 25.APR.2018 12:54:16

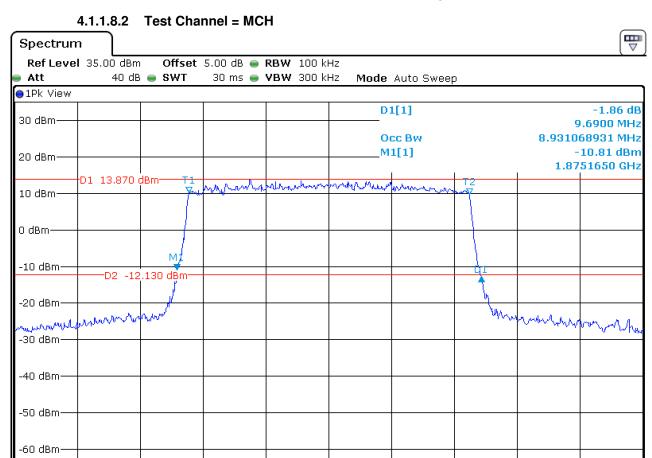


Report No.: SZEM180300241701

Span 20.0 MHz 25.04.2018

**1**/4

Page: 46 of 121



1001 pts

Measuring...

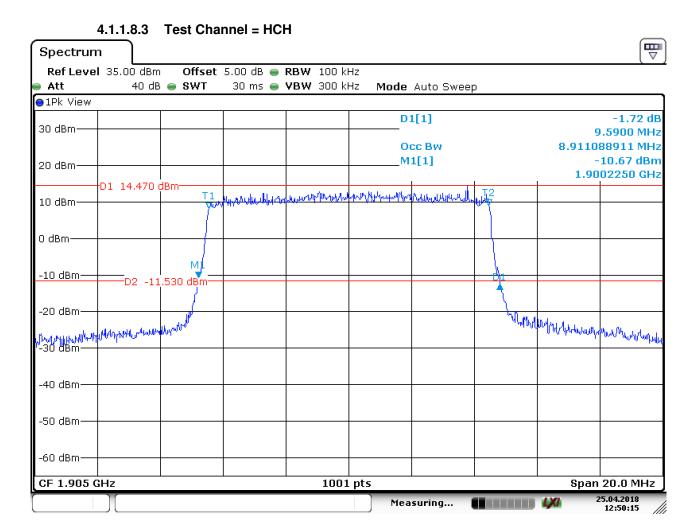
Date: 25.APR.2018 12:51:38

CF 1.88 GHz



Report No.: SZEM180300241701

Page: 47 of 121



Date: 25.APR.2018 12:50:16

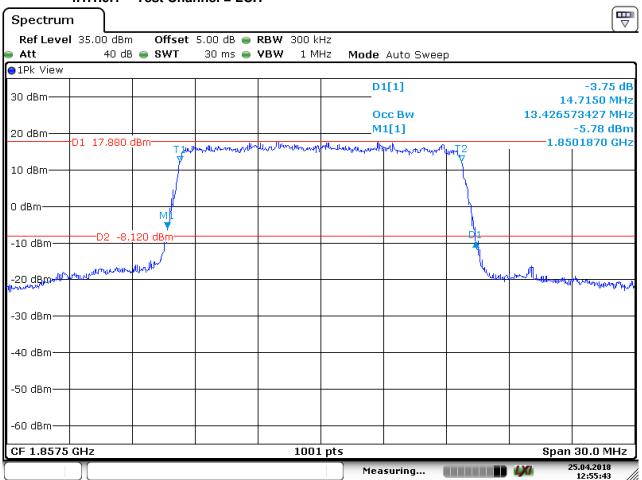


Report No.: SZEM180300241701

Page: 48 of 121

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



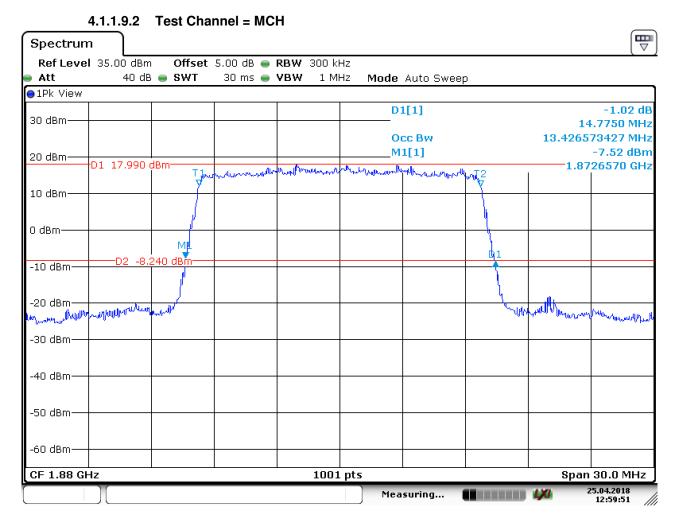


Date: 25.APR.2018 12:55:43



Report No.: SZEM180300241701

Page: 49 of 121

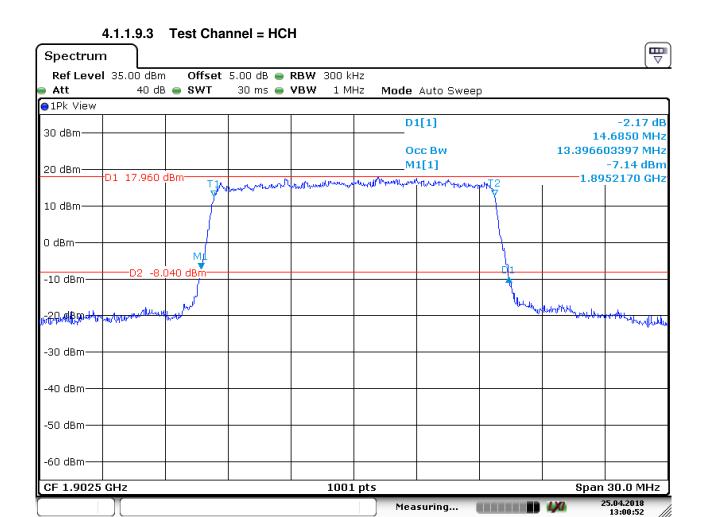


Date: 25.APR.2018 12:59:51



Report No.: SZEM180300241701

Page: 50 of 121



Date: 25.APR.2018 13:00:52

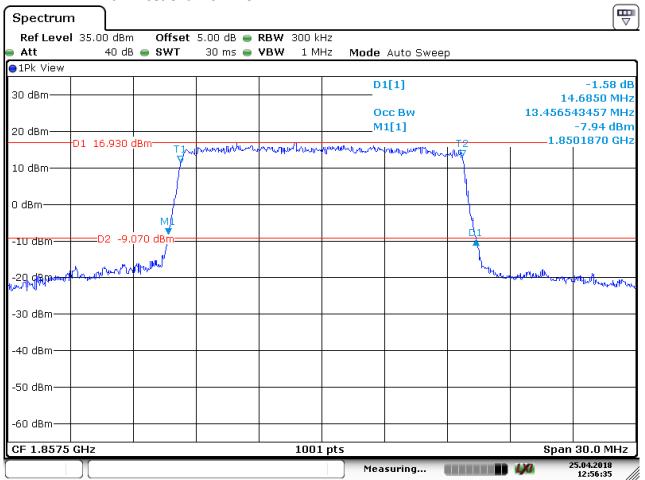


Report No.: SZEM180300241701

Page: 51 of 121

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

#### 4.1.1.10.1 Test Channel = LCH

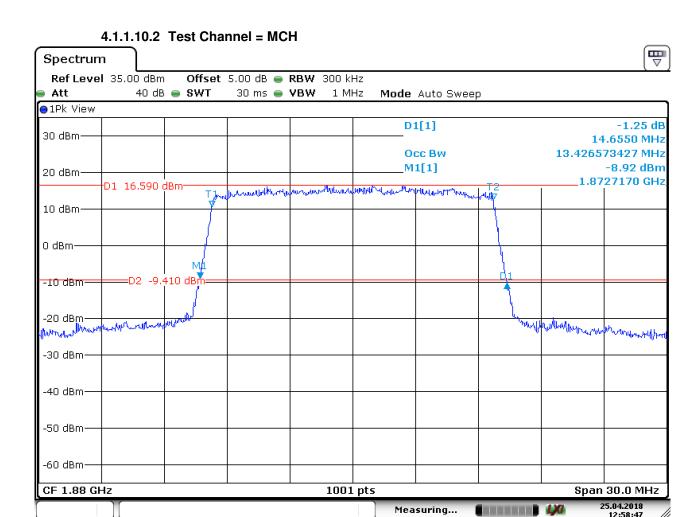


Date: 25.APR.2018 12:56:36



Report No.: SZEM180300241701

Page: 52 of 121

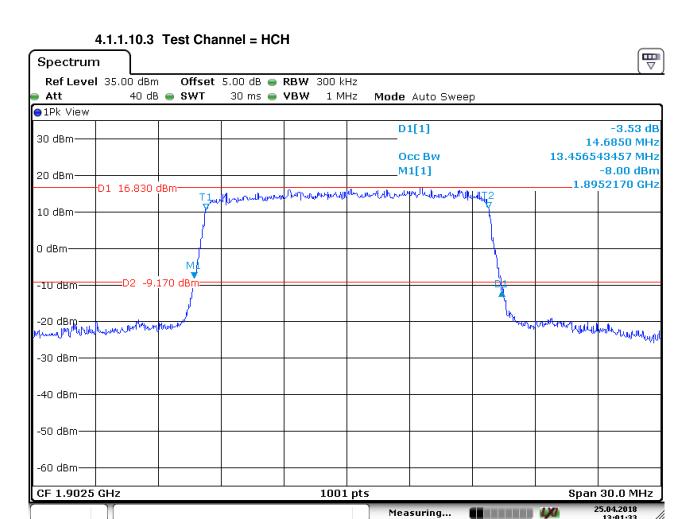


Date: 25.APR.2018 12:58:48



Report No.: SZEM180300241701

Page: 53 of 121



Date: 25.APR.2018 13:01:34

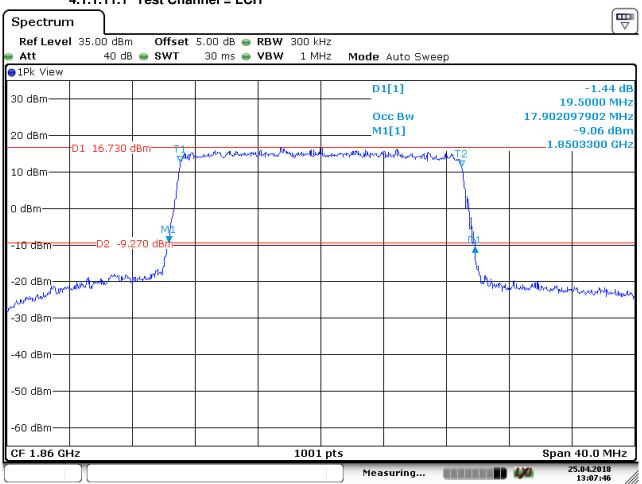


Report No.: SZEM180300241701

Page: 54 of 121

### 4.1.1.11 Test Mode = LTE/TM1 20MHz

### 4.1.1.11.1 Test Channel = LCH

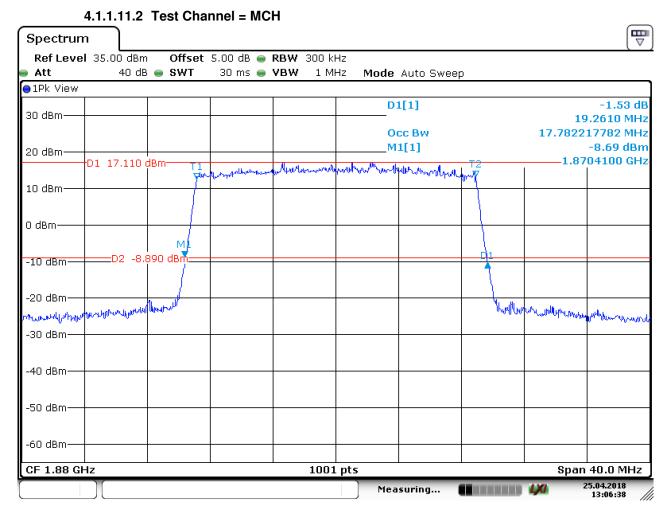


Date: 25.APR.2018 13:07:47



Report No.: SZEM180300241701

Page: 55 of 121



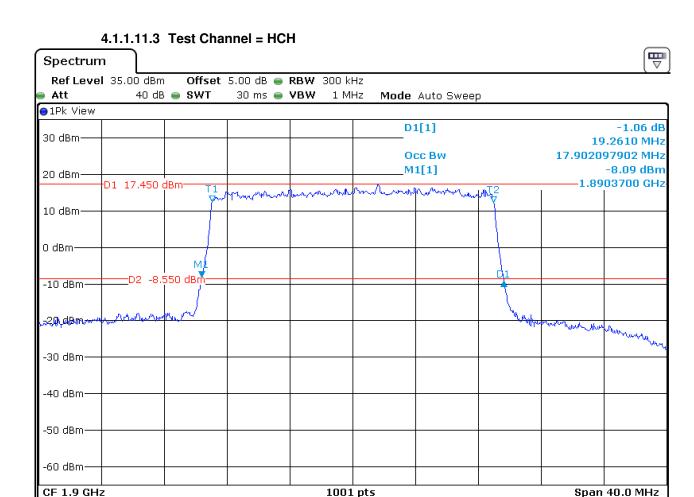
Date: 25.APR.2018 13:06:39



Report No.: SZEM180300241701

25.04.2018

Page: 56 of 121



Measuring...

4,0

Date: 25.APR.2018 13:02:59

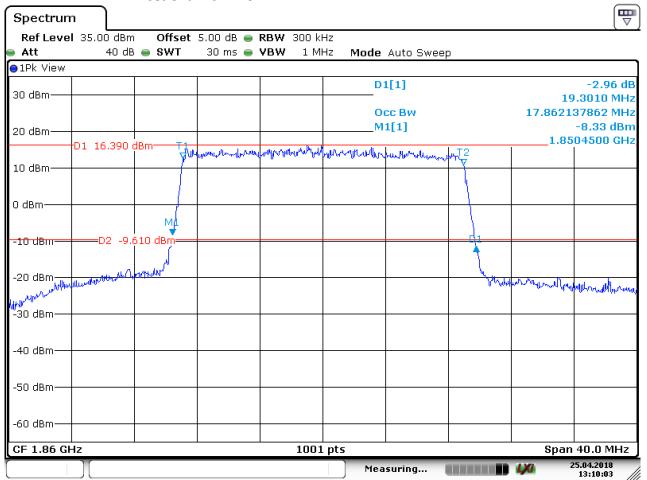


Report No.: SZEM180300241701

Page: 57 of 121

### 4.1.1.12 Test Mode = LTE/TM2 20MHz

#### 4.1.1.12.1 Test Channel = LCH

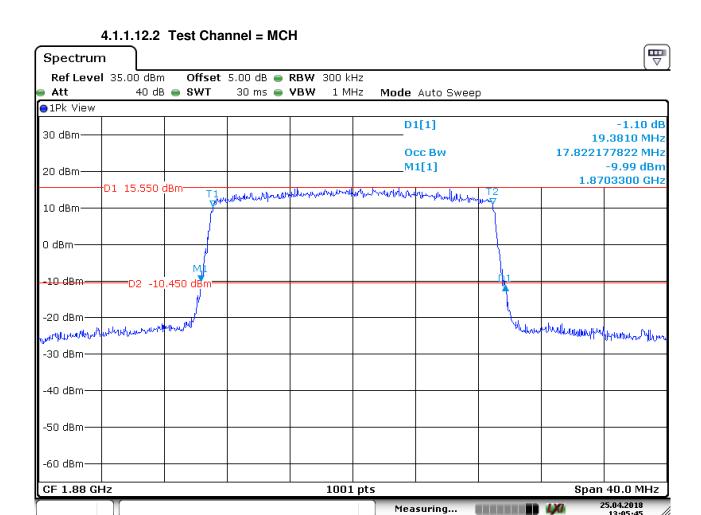


Date: 25.APR.2018 13:10:04



Report No.: SZEM180300241701

Page: 58 of 121

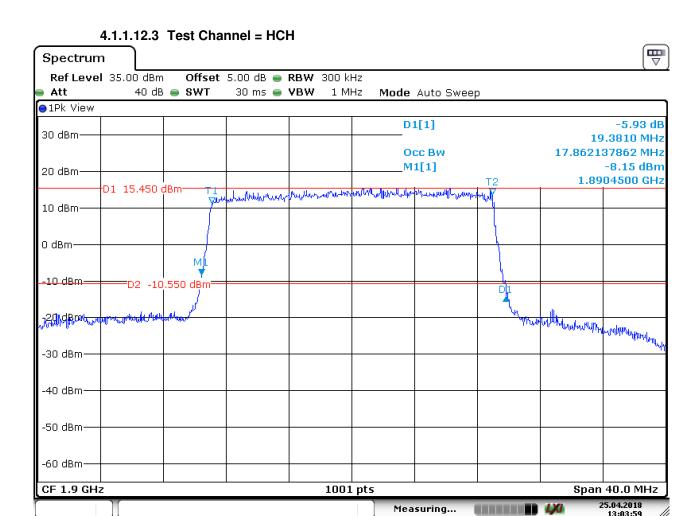


Date: 25.APR.2018 13:05:45



Report No.: SZEM180300241701

Page: 59 of 121



Date: 25.APR.2018 13:04:00



Report No.: SZEM180300241701

Page: 60 of 121

### 5 Band Edges Compliance

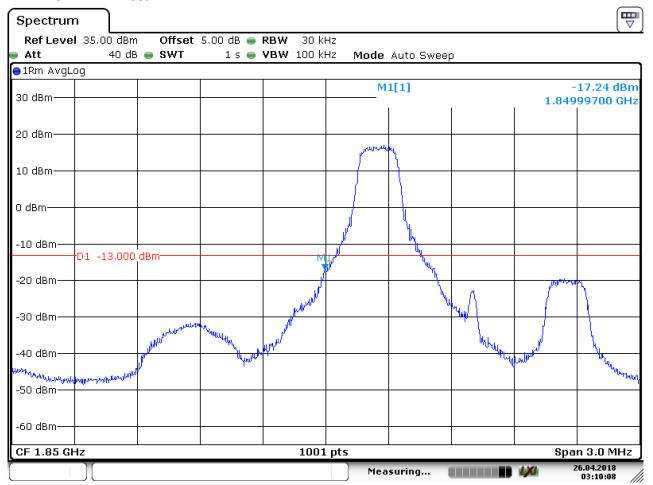
### 5.1 For LTE

### 5.1.1 Test Band = LTE band2

5.1.1.1 Test Mode = LTE/TM1 1.4MHz

5.1.1.1.1 Test Channel = LCH

#### 5.1.1.1.1.1 Test RB=1RB



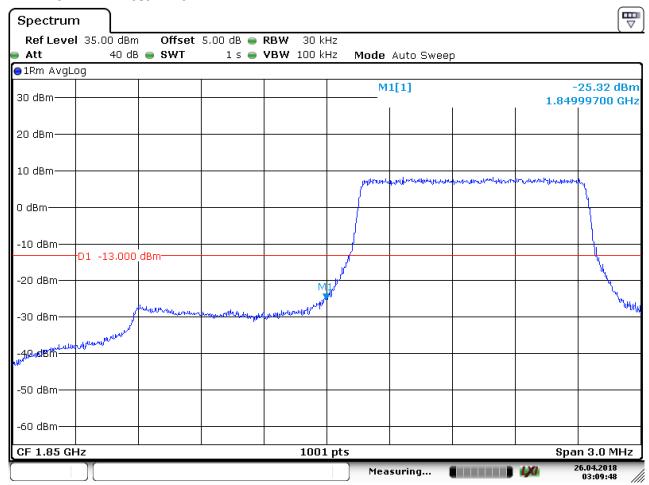
Date: 26.APR.2018 03:10:08



Report No.: SZEM180300241701

Page: 61 of 121

### 5.1.1.1.1.2 Test RB=6RB



Date: 26.APR.2018 03:09:49

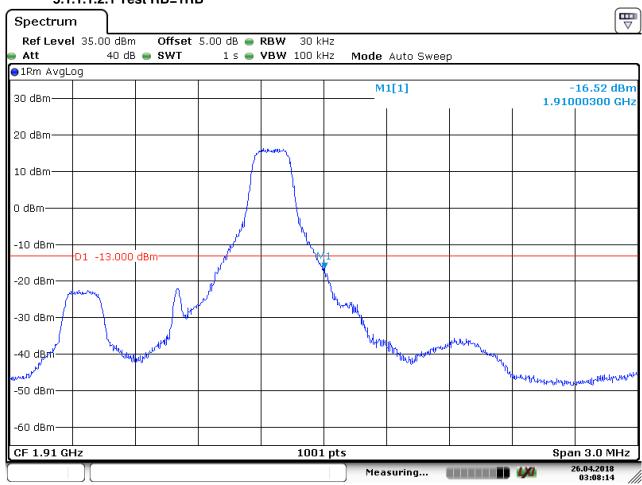


Report No.: SZEM180300241701

Page: 62 of 121

### 5.1.1.1.2 Test Channel = HCH

#### 5.1.1.1.2.1 Test RB=1RB



Date: 26.APR.2018 03:08:14



Report No.: SZEM180300241701

Page: 63 of 121

### 5.1.1.1.2.2 Test RB=6RB



Date: 26.APR.2018 03:07:48

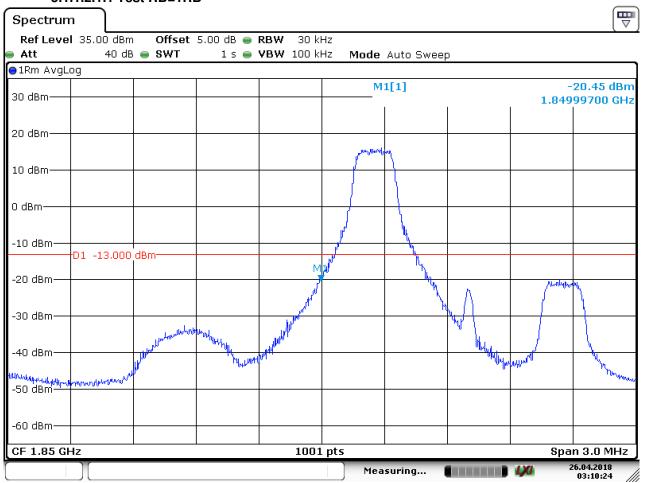


Report No.: SZEM180300241701

Page: 64 of 121

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

### 5.1.1.2.1.1 Test RB=1RB



Date: 26.APR.2018 03:10:24



Report No.: SZEM180300241701

Page: 65 of 121

### 5.1.1.2.1.2 Test RB=6RB



Date: 26.APR.2018 03:09:27

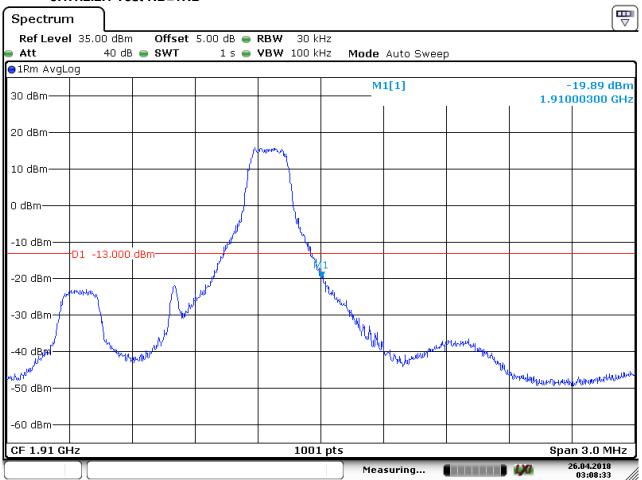


Report No.: SZEM180300241701

Page: 66 of 121

### 5.1.1.2.2 Test Channel = HCH

### 5.1.1.2.2.1 Test RB=1RB



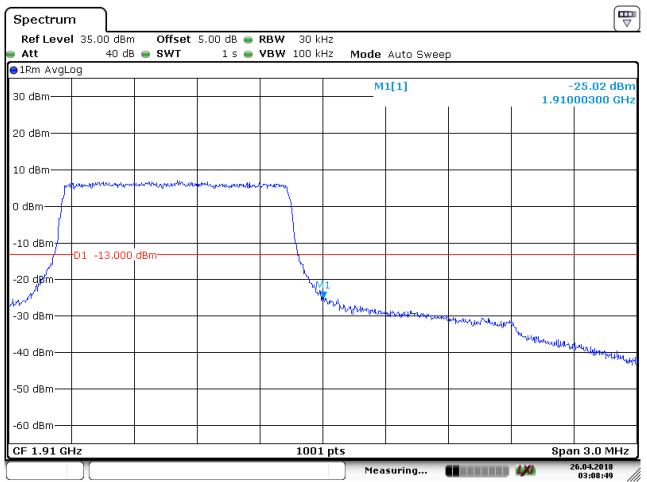
Date: 26.APR.2018 03:08:34



Report No.: SZEM180300241701

Page: 67 of 121

### 5.1.1.2.2.2 Test RB=6RB



Date: 26.APR.2018 03:08:50

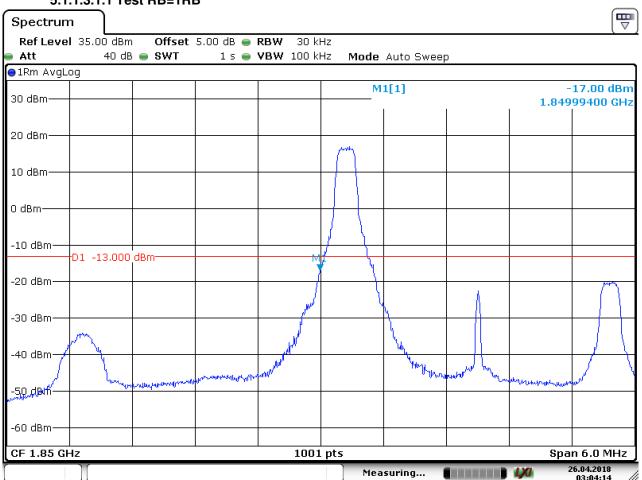


Report No.: SZEM180300241701

Page: 68 of 121

### 5.1.1.3 Test Mode = LTE/TM1 3MHz 5.1.1.3.1 Test Channel = LCH

### 5.1.1.3.1.1 Test RB=1RB



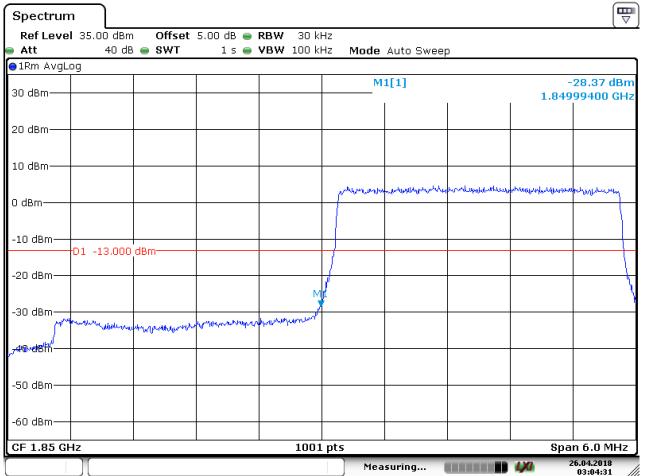
Date: 26.APR.2018 03:04:14



Report No.: SZEM180300241701

Page: 69 of 121

### 5.1.1.3.1.2 Test RB=15RB



Date: 26.APR.2018 03:04:32

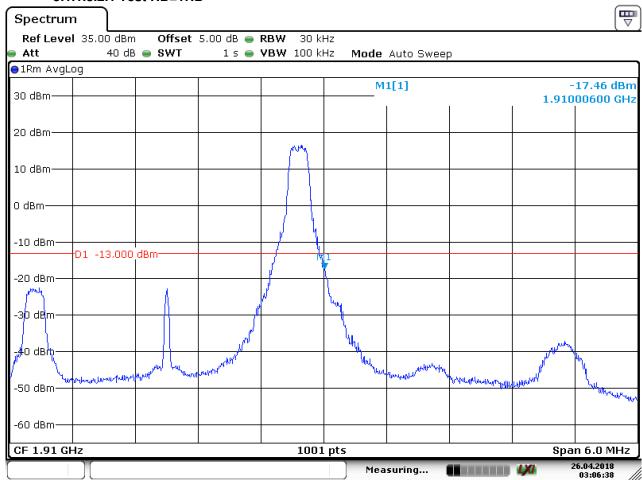


Report No.: SZEM180300241701

Page: 70 of 121

### 5.1.1.3.2 Test Channel = HCH

### 5.1.1.3.2.1 Test RB=1RB



Date: 26.APR.2018 03:06:38



Report No.: SZEM180300241701

Page: 71 of 121

### 5.1.1.3.2.2 Test RB=15RB



Date: 26.APR.2018 03:05:28

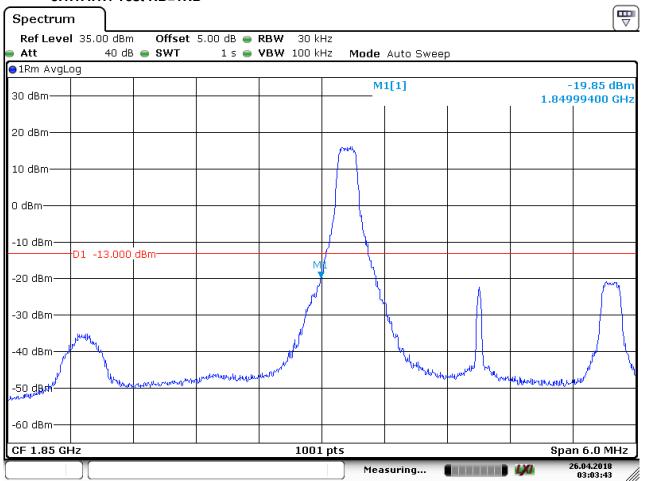


Report No.: SZEM180300241701

Page: 72 of 121

### 5.1.1.4 Test Mode = LTE/TM2 3MHz 5.1.1.4.1 Test Channel = LCH

### 5.1.1.4.1.1 Test RB=1RB



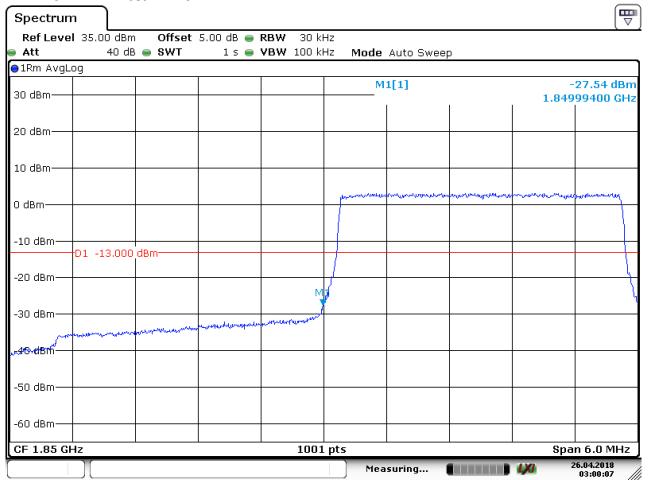
Date: 26.APR.2018 03:03:44



Report No.: SZEM180300241701

Page: 73 of 121

#### 5.1.1.4.1.2 Test RB=15RB



Date: 26.APR.2018 03:00:07

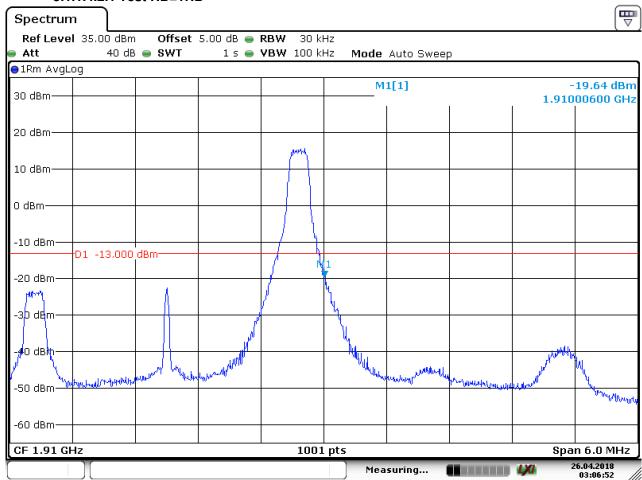


Report No.: SZEM180300241701

Page: 74 of 121

#### 5.1.1.4.2 Test Channel = HCH

#### 5.1.1.4.2.1 Test RB=1RB



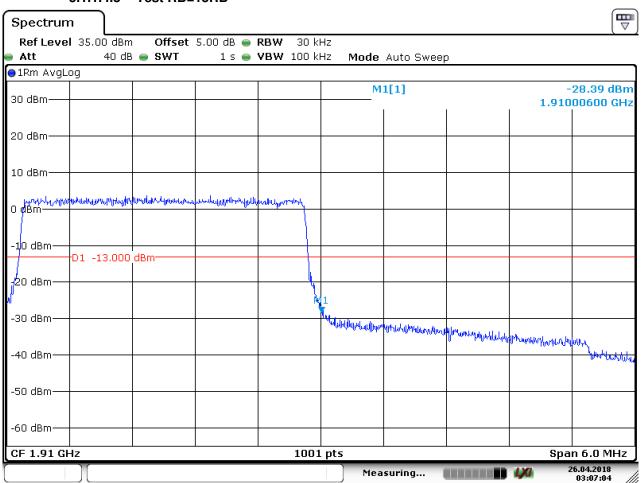
Date: 26.APR.2018 03:06:52



Report No.: SZEM180300241701

Page: 75 of 121

#### 5.1.1.4.3 Test RB=15RB



Date: 26.APR.2018 03:07:04

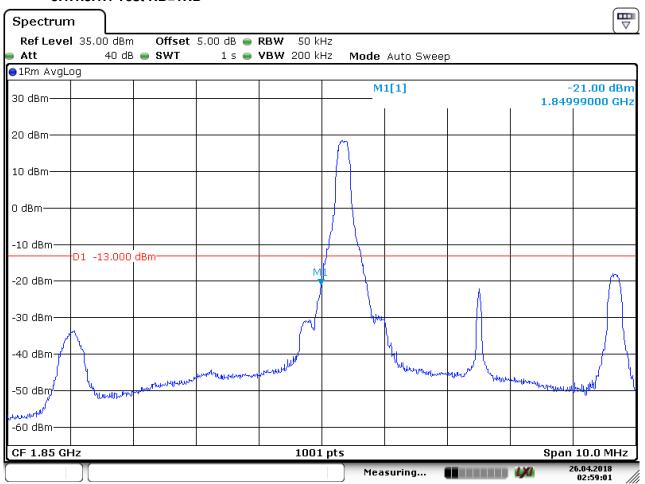


Report No.: SZEM180300241701

Page: 76 of 121

### 5.1.1.5 Test Mode = LTE/TM1 5MHz 5.1.1.5.1 Test Channel = LCH

#### 5.1.1.5.1.1 Test RB=1RB



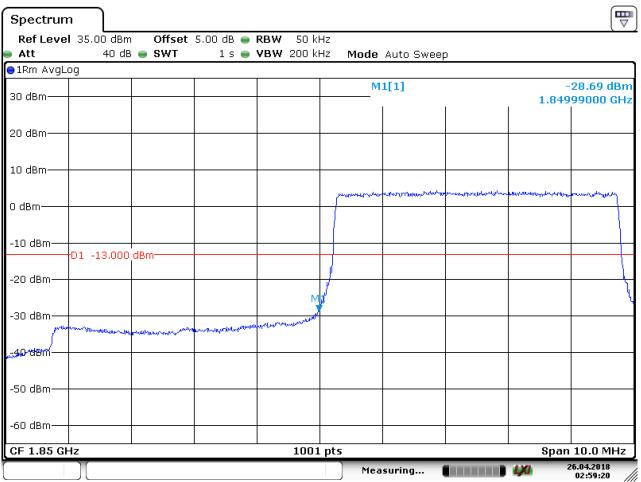
Date: 26.APR.2018 02:59:01



Report No.: SZEM180300241701

Page: 77 of 121

#### 5.1.1.5.1.2 Test RB=25RB



Date: 26.APR.2018 02:59:20

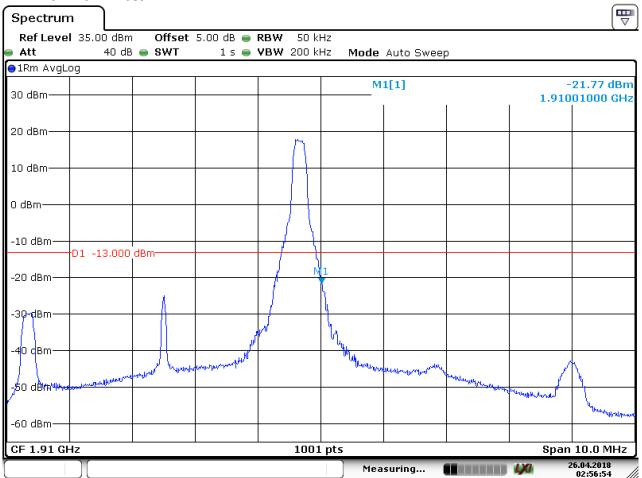


Report No.: SZEM180300241701

Page: 78 of 121

#### 5.1.1.5.2 Test Channel = HCH

#### 5.1.1.5.2.1 Test RB=1RB



Date: 26.APR.2018 02:56:54



Report No.: SZEM180300241701

Page: 79 of 121

#### 5.1.1.5.2.2 Test RB=25RB



Date: 26.APR.2018 02:56:25

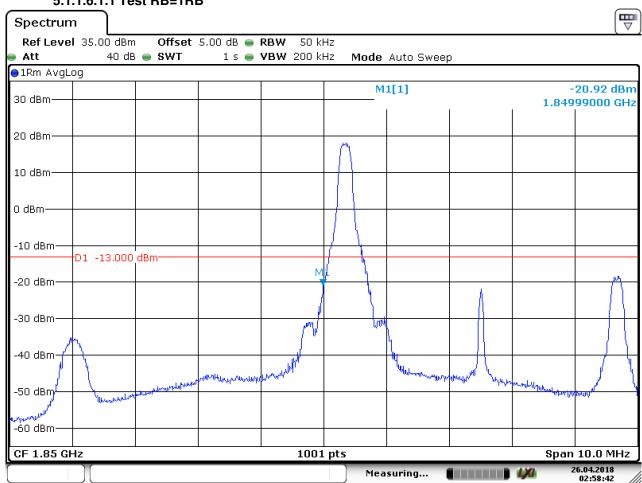


Report No.: SZEM180300241701

Page: 80 of 121

### 5.1.1.6 Test Mode = LTE/TM2 5MHz 5.1.1.6.1 Test Channel = LCH

#### 5.1.1.6.1.1 Test RB=1RB



Date: 26.APR.2018 02:58:42



Report No.: SZEM180300241701

Page: 81 of 121

#### 5.1.1.6.1.2 Test RB=25RB



Date: 26.APR.2018 02:58:25

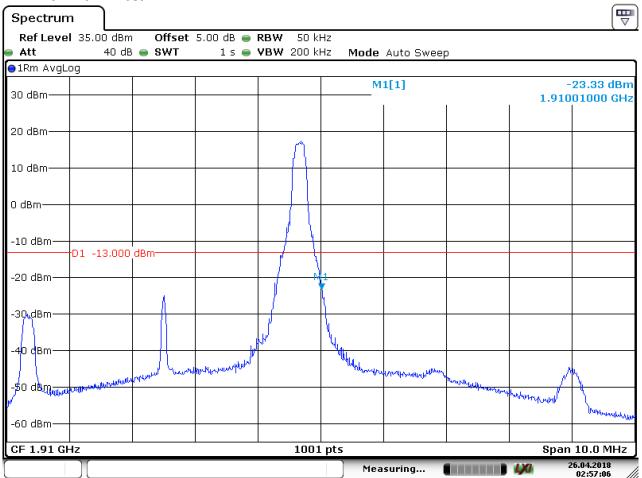


Report No.: SZEM180300241701

Page: 82 of 121

#### 5.1.1.6.2 Test Channel = HCH

#### 5.1.1.6.2.1 Test RB=1RB



Date: 26.APR.2018 02:57:06



Report No.: SZEM180300241701

Page: 83 of 121

#### 5.1.1.6.2.2 Test RB=25RB



Date: 26.APR.2018 02:57:21

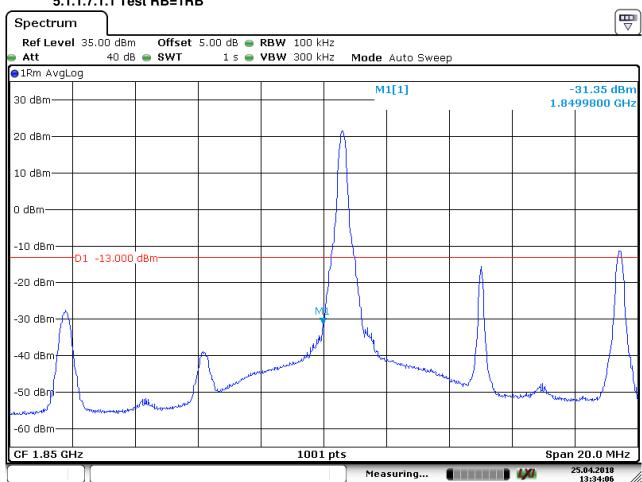


Report No.: SZEM180300241701

Page: 84 of 121

### 5.1.1.7 Test Mode = LTE/TM1 10MHz **5.1.1.7.1** Test Channel = LCH

#### 5.1.1.7.1.1 Test RB=1RB



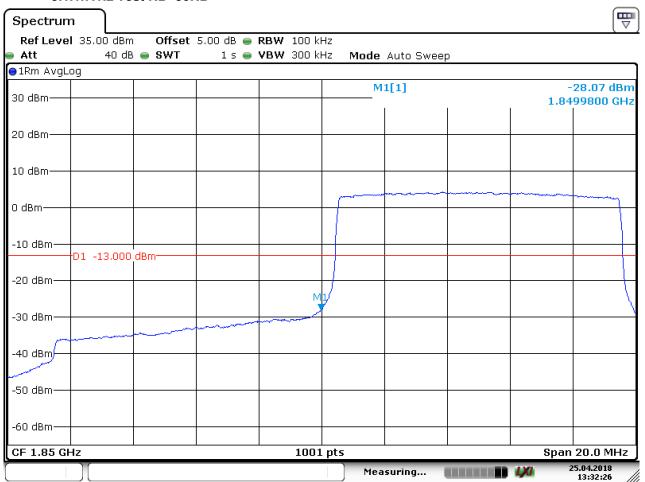
Date: 25.APR.2018 13:34:07



Report No.: SZEM180300241701

Page: 85 of 121

#### 5.1.1.7.1.2 Test RB=50RB



Date: 25.APR.2018 13:32:27

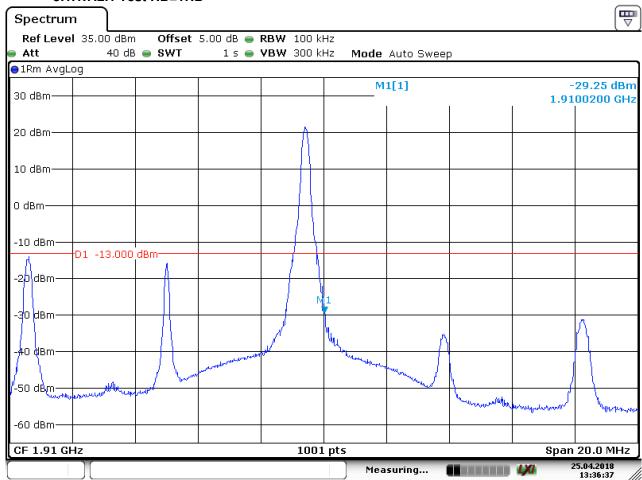


Report No.: SZEM180300241701

Page: 86 of 121

#### 5.1.1.7.2 Test Channel = HCH

#### 5.1.1.7.2.1 Test RB=1RB



Date: 25.APR.2018 13:36:37



Report No.: SZEM180300241701

Page: 87 of 121

#### 5.1.1.7.2.2 Test RB=50RB



Date: 25.APR.2018 13:37:01

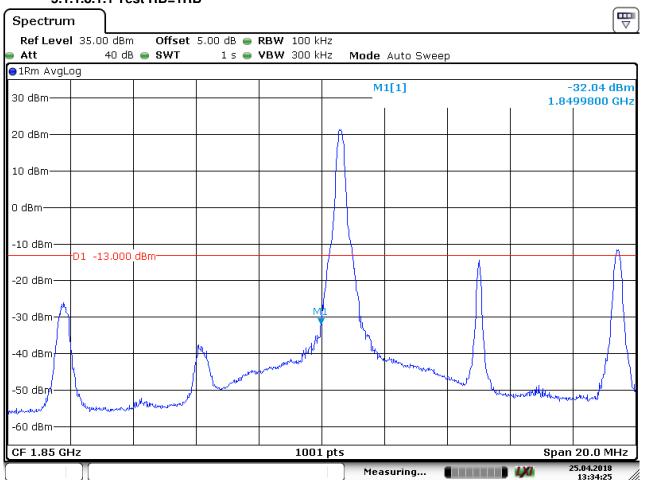


Report No.: SZEM180300241701

Page: 88 of 121

### 5.1.1.8 Test Mode = LTE/TM2 10MHz 5.1.1.8.1 Test Channel = LCH

#### 5.1.1.8.1.1 Test RB=1RB



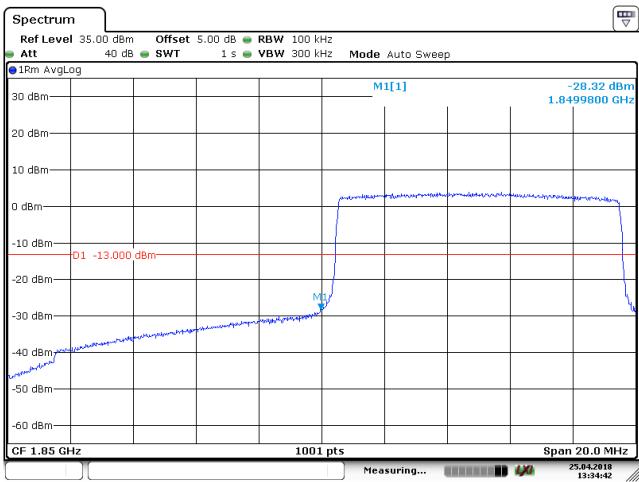
Date: 25.APR.2018 13:34:26



Report No.: SZEM180300241701

Page: 89 of 121

#### 5.1.1.8.1.2 Test RB=50RB



Date: 25.APR.2018 13:34:42

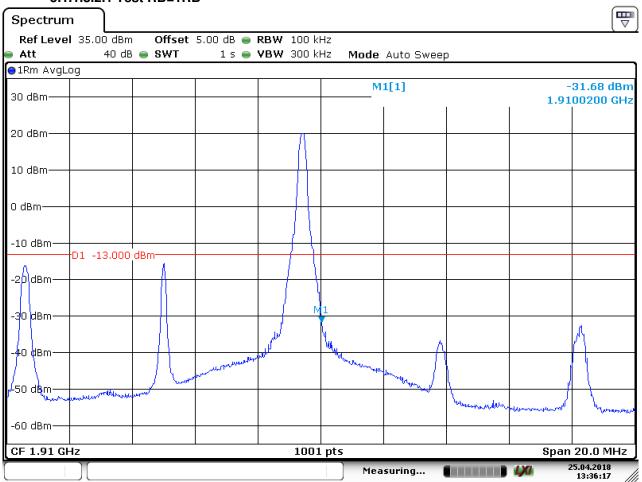


Report No.: SZEM180300241701

Page: 90 of 121

#### 5.1.1.8.2 Test Channel = HCH

#### 5.1.1.8.2.1 Test RB=1RB



Date: 25.APR.2018 13:36:18



Report No.: SZEM180300241701

Page: 91 of 121

#### 5.1.1.8.2.2 Test RB=50RB



Date: 25.APR.2018 13:35:39

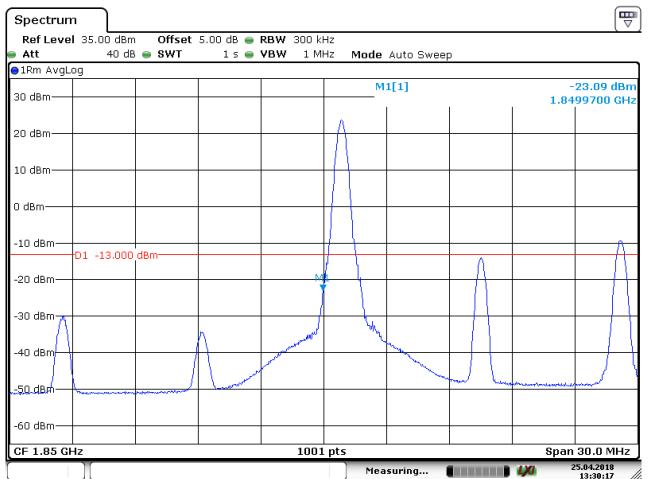


Report No.: SZEM180300241701

Page: 92 of 121

### 5.1.1.9 Test Mode = LTE/TM1 15MHz 5.1.1.9.1 Test Channel = LCH

#### 5.1.1.9.1.1 Test RB=1RB



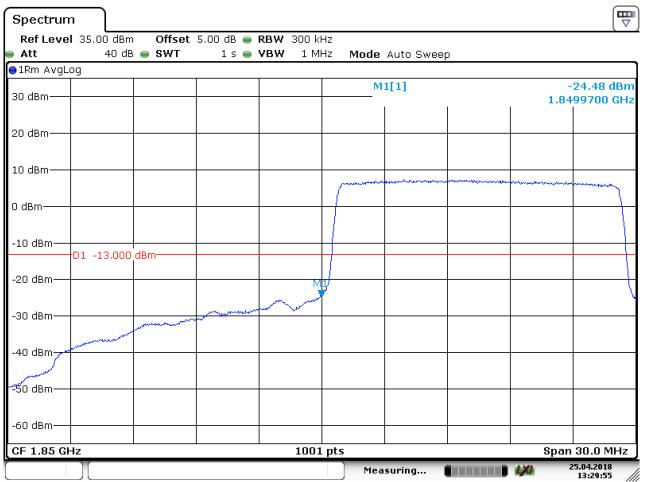
Date: 25.APR.2018 13:30:17



Report No.: SZEM180300241701

Page: 93 of 121

#### 5.1.1.9.1.2 Test RB=75RB



Date: 25.APR.2018 13:29:55

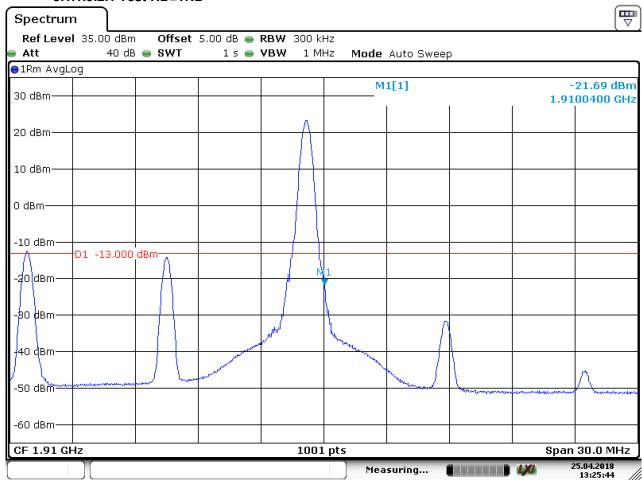


Report No.: SZEM180300241701

Page: 94 of 121

#### 5.1.1.9.2 Test Channel = HCH

#### 5.1.1.9.2.1 Test RB=1RB



Date: 25.APR.2018 13:25:45



Report No.: SZEM180300241701

Page: 95 of 121

#### 5.1.1.9.2.2 Test RB=75RB



Date: 25.APR.2018 13:24:09

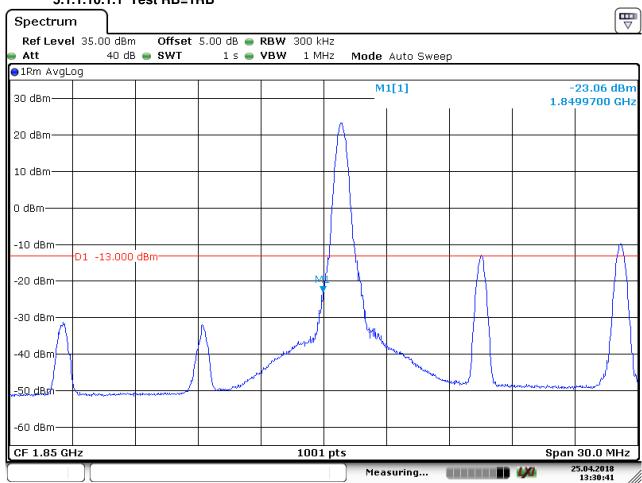


Report No.: SZEM180300241701

Page: 96 of 121

### 5.1.1.10 Test Mode = LTE/TM2 15MHz 5.1.1.10.1 Test Channel = LCH

#### 5.1.1.10.1.1 Test RB=1RB



Date: 25.APR.2018 13:30:42



Report No.: SZEM180300241701

Page: 97 of 121

#### 5.1.1.10.1.2 Test RB=75RB



Date: 25.APR.2018 13:28:36

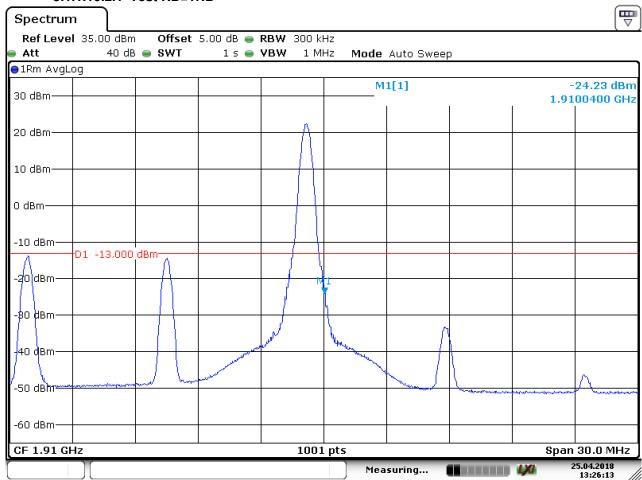


Report No.: SZEM180300241701

Page: 98 of 121

#### 5.1.1.10.2 Test Channel = HCH

#### 5.1.1.10.2.1 Test RB=1RB



Date: 25.APR.2018 13:26:13



Report No.: SZEM180300241701

Page: 99 of 121

#### 5.1.1.10.2.2 Test RB=75RB



Date: 25.APR.2018 13:26:55

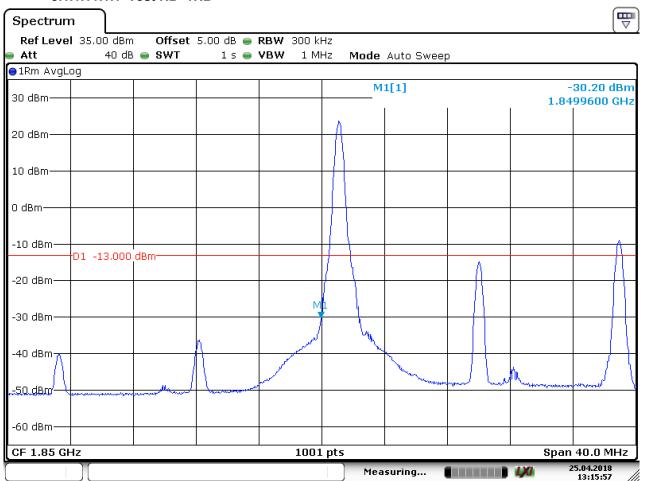


Report No.: SZEM180300241701

Page: 100 of 121

### 5.1.1.11 Test Mode = LTE/TM1 20MHz 5.1.1.11.1 Test Channel = LCH

#### 5.1.1.11.1.1 Test RB=1RB



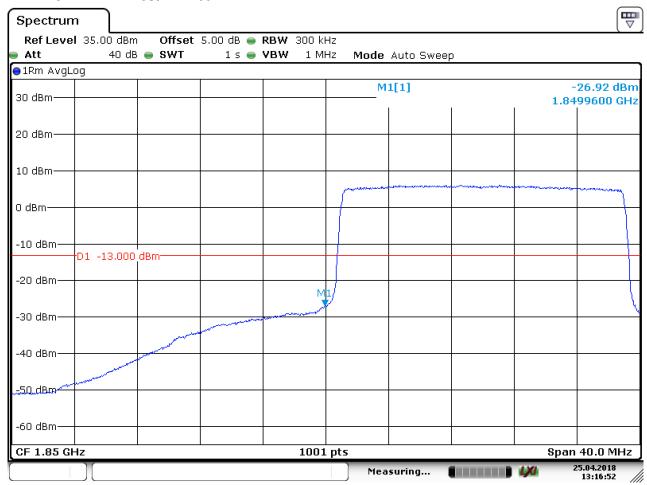
Date: 25.APR.2018 13:15:57



Report No.: SZEM180300241701

Page: 101 of 121

#### 5.1.1.11.1.2 Test RB=100RB



Date: 25.APR.2018 13:16:52

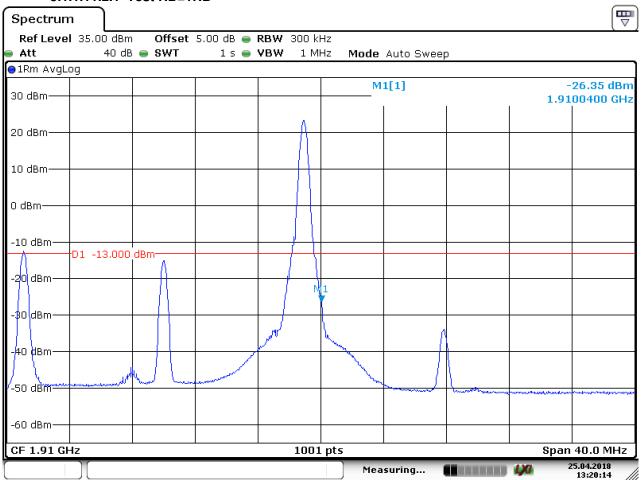


Report No.: SZEM180300241701

Page: 102 of 121

#### 5.1.1.11.2 Test Channel = HCH

#### 5.1.1.11.2.1 Test RB=1RB



Date: 25.APR.2018 13:20:14



Report No.: SZEM180300241701

Page: 103 of 121

#### 5.1.1.11.2.2 Test RB=100RB



Date: 25.APR.2018 13:19:49

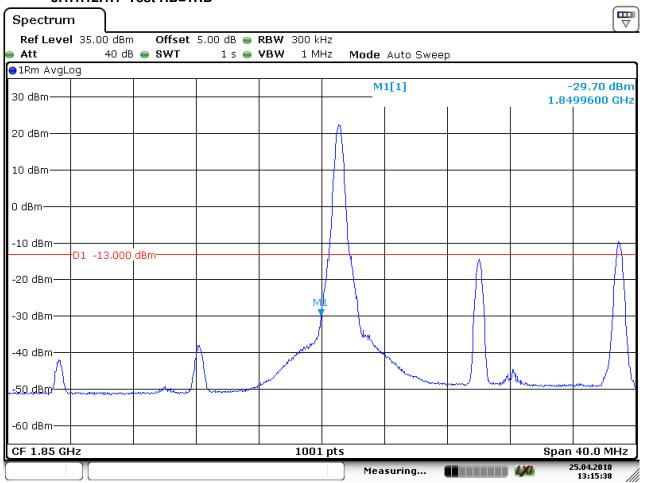


Report No.: SZEM180300241701

Page: 104 of 121

### 5.1.1.12 Test Mode = LTE/TM2 20MHz 5.1.1.12.1 Test Channel = LCH

#### 5.1.1.12.1.1 Test RB=1RB



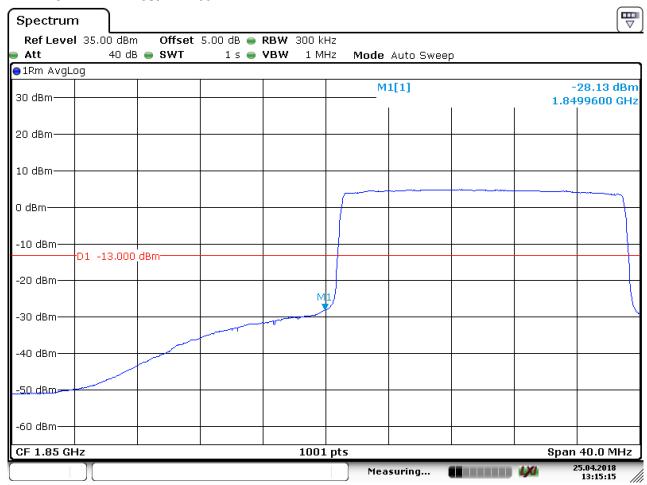
Date: 25.APR.2018 13:15:38



Report No.: SZEM180300241701

Page: 105 of 121

#### 5.1.1.12.1.2 Test RB=100RB



Date: 25.APR.2018 13:15:15

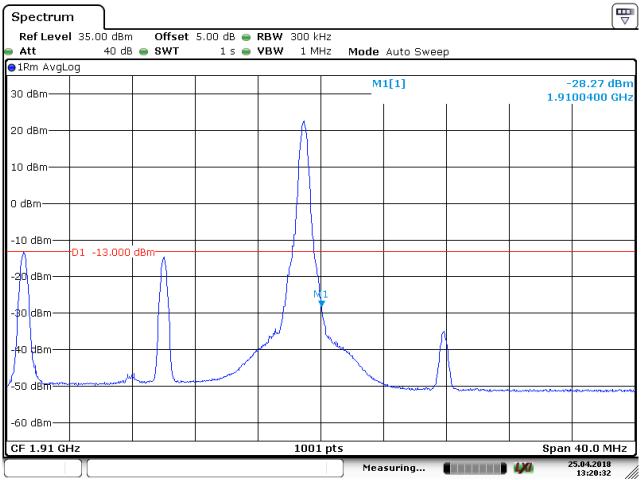


Report No.: SZEM180300241701

Page: 106 of 121

#### 5.1.1.12.2 Test Channel = HCH

#### 5.1.1.12.2.1 Test RB=1RB



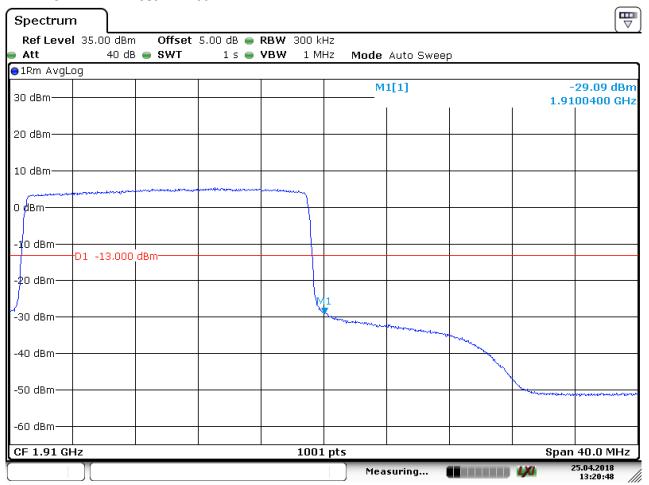
Date: 25.APR.2018 13:20:32



Report No.: SZEM180300241701

Page: 107 of 121

#### 5.1.1.12.2.2 Test RB=100RB



Date: 25.APR.2018 13:20:48



Report No.: SZEM180300241701

Page: 108 of 121

### 6 Spurious Emission at Antenna Terminal

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

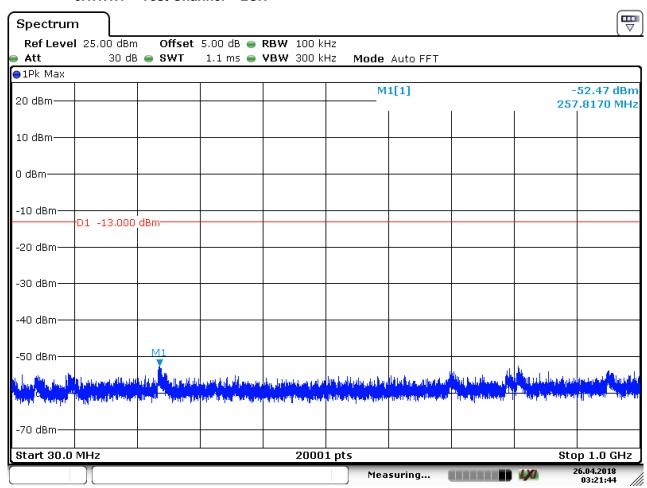
Part I - Test Plots

#### 6.1 For LTE

#### 6.1.1 Test Band = LTE band2

#### 6.1.1.1 Test Mode = LTE / TM1 20MHz RB1#0

#### 6.1.1.1.1 Test Channel = LCH

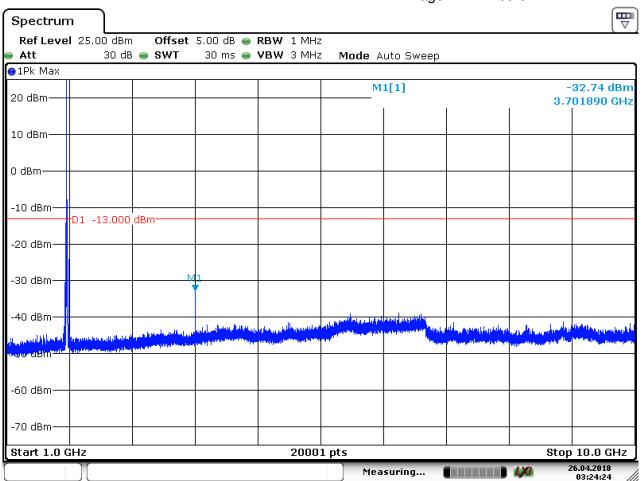


Date: 26.APR.2018 03:21:45



Report No.: SZEM180300241701

Page: 109 of 121

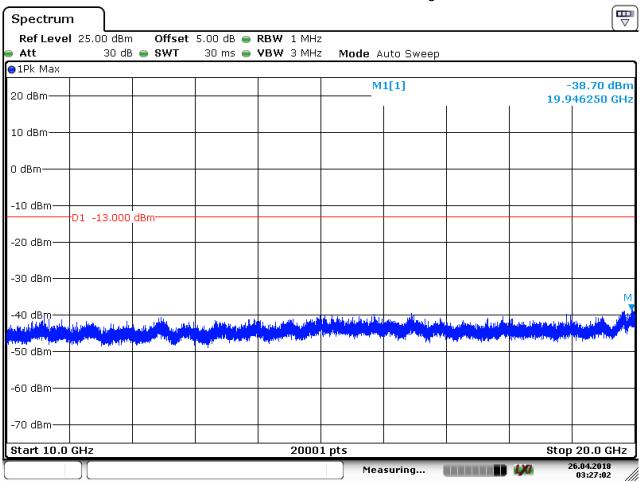


Date: 26.APR.2018 03:24:25



Report No.: SZEM180300241701

Page: 110 of 121



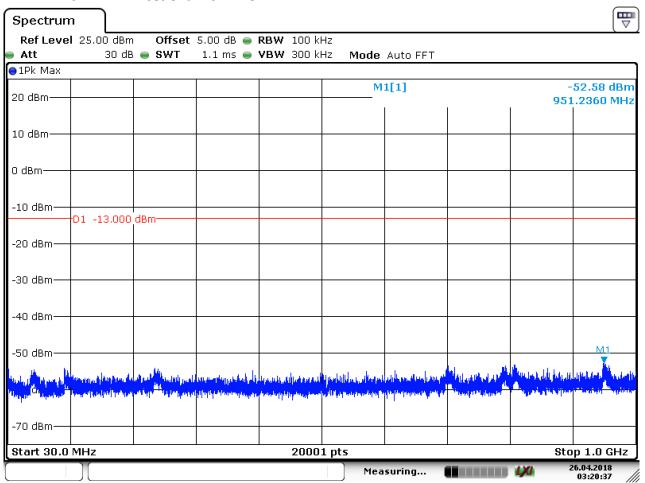
Date: 26.APR.2018 03:27:02



Report No.: SZEM180300241701

Page: 111 of 121

#### 6.1.1.1.2 Test Channel = MCH

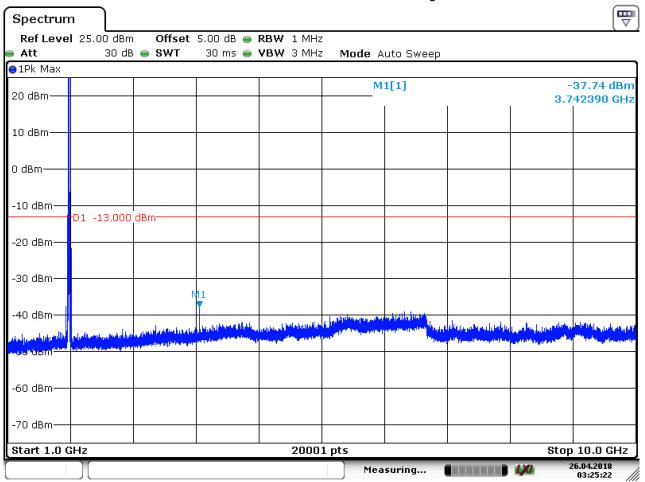


Date: 26.APR.2018 03:20:37



Report No.: SZEM180300241701

Page: 112 of 121

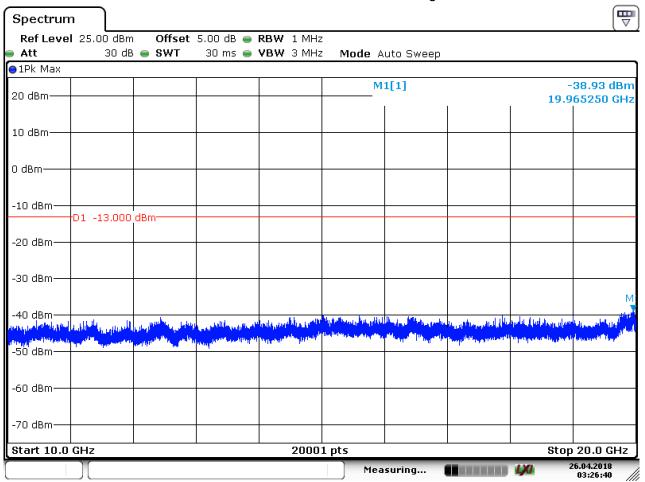


Date: 26.APR.2018 03:25:22



Report No.: SZEM180300241701

Page: 113 of 121



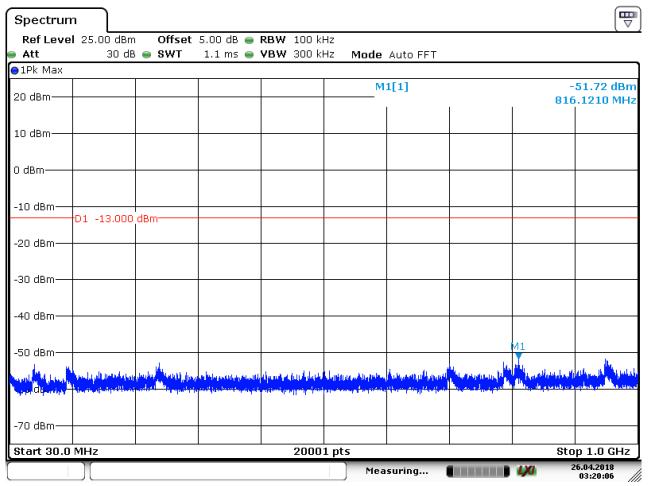
Date: 26.APR.2018 03:26:41



Report No.: SZEM180300241701

Page: 114 of 121

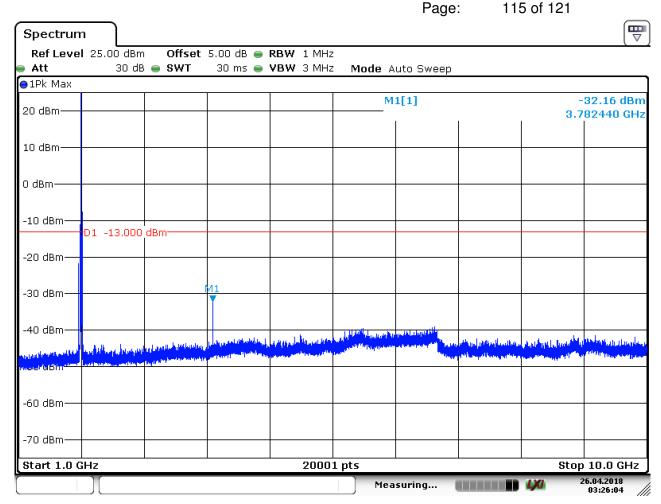
#### 6.1.1.1.3 Test Channel = HCH



Date: 26.APR.2018 03:20:07



Report No.: SZEM180300241701

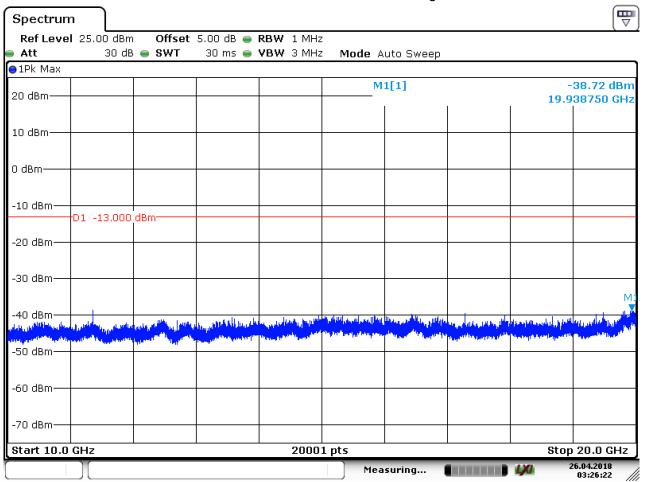


Date: 26.APR.2018 03:26:04



Report No.: SZEM180300241701

Page: 116 of 121



Date: 26.APR.2018 03:26:23



Report No.: SZEM180300241701

Page: 117 of 121

### 7 Field Strength of Spurious Radiation

### 7.1 For LTE

#### 7.1.1 Test Band = LTE band2

#### 7.1.1.1 Test Mode =LTE/TM1 20MHz RB1#0

#### 7.1.1.1.1 Test Channel = LCH

	rest Chailler = LC	<u> </u>		
Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
77.050000	-70.27	-13.00	57.27	Vertical
143.950000	-74.80	-13.00	61.80	Vertical
3702.000000	-53.80	-13.00	40.80	Vertical
5553.200000	-66.26	-13.00	53.26	Vertical
7404.400000	-62.95	-13.00	49.95	Vertical
9255.600000	-57.68	-13.00	44.68	Vertical
72.600000	-74.10	-13.00	61.10	Horizontal
144.000000	-77.72	-13.00	64.72	Horizontal
3702.000000	-53.01	-13.00	40.01	Horizontal
5553.200000	-64.84	-13.00	51.84	Horizontal
7404.400000	-55.86	-13.00	42.86	Horizontal
9255.600000	-43.99	-13.00	30.99	Horizontal

#### 7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization	
72.350000	-77.28	-13.00	64.28	Vertical	
154.700000	-83.30	-13.00	70.30	Vertical	
3741.975000	-56.04	-13.00	43.04	Vertical	
5613.000000	-64.02	-13.00	51.02	Vertical	
7484.350000	-59.92	-13.00	46.92	Vertical	
9355.375000	-61.60	-13.00	48.60	Vertical	
62.450000	-78.15	-13.00	65.15	Horizontal	
268.850000	-86.54	-13.00	73.54	Horizontal	
3741.975000	-60.33	-13.00	47.33	Horizontal	
5613.000000	-65.31	-13.00	52.31	Horizontal	
7484.350000	-56.28	-13.00	43.28	Horizontal	
9355.375000	-56.74	-13.00	43.74	Horizontal	



Report No.: SZEM180300241701

Page: 118 of 121

#### 7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
56.350000	-77.84	-13.00	64.84	Vertical
144.000000	-73.07	-13.00	60.07	Vertical
3781.950000	-61.93	-13.00	48.93	Vertical
5673.125000	-63.26	-13.00	50.26	Vertical
7564.300000	-56.99	-13.00	43.99	Vertical
9455.475000	-55.60	-13.00	42.60	Vertical
72.000000	-76.39	-13.00	63.39	Horizontal
144.000000	-71.49	-13.00	58.49	Horizontal
288.000000	-77.21	-13.00	64.21	Horizontal
3781.950000	-54.82	-13.00	41.82	Horizontal
7564.300000	-59.86	-13.00	46.86	Horizontal
9455.475000	-58.68	-13.00	45.68	Horizontal

#### NOTE:

- 1) 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.
- 2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report



Report No.: SZEM180300241701

Page: 119 of 121

### 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
		LCH	TN	VL	9.29	0.00500	PASS
				VN	2.55	0.00137	PASS
				VH	3.04	0.00164	PASS
			TN	VL	2.78	0.00148	PASS
	LTE/TM1 20MHz	MCH		VN	4.94	0.00263	PASS
				VH	5.78	0.00307	PASS
		НСН	TN	VL	6.89	0.00363	PASS
				VN	-0.95	-0.00050	PASS
LTEband2				VH	7.73	0.00407	PASS
LILDANUZ	LTE/TM2 20MHz	LCH	TN	VL	7.13	0.00383	PASS
				VN	-2.50	-0.00135	PASS
				VH	-5.40	-0.00290	PASS
		МСН	TN	VL	-2.62	-0.00140	PASS
				VN	3.66	0.00194	PASS
				VH	5.75	0.00306	PASS
		нсн	TN	VL	-6.16	-0.00324	PASS
				VN	6.48	0.00341	PASS
				VH	-1.98	-0.00104	PASS



Report No.: SZEM180300241701

Page: 120 of 121

### 8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				-30	1.44	0.00077	PASS		
				-20	4.22	0.00227	PASS		
						-10	2.75	0.00148	PASS
					0	-2.83	-0.00152	PASS	
		LCH	VN	10	5.37	0.00289	PASS		
				20	1.74	0.00094	PASS		
				30	-6.39	-0.00344	PASS		
				40	1.45	0.00078	PASS		
	LTE/TM1 20MHz			50	3.69	0.00198	PASS		
			VN	-30	1.94	0.00103	PASS		
		MCH		-20	5.23	0.00278	PASS		
				-10	-2.44	-0.00130	PASS		
				0	4.28	0.00228	PASS		
LTEband2				10	1.34	0.00071	PASS		
				20	-2.37	-0.00126	PASS		
				30	-4.45	-0.00237	PASS		
				40	-2.43	-0.00129	PASS		
				50 2.95	0.00157	PASS			
				-30	7.04	0.00371	PASS		
				-20	3.42	0.00180	PASS		
				-10	4.38	0.00231	PASS		
				0	-3.5	-0.00184	PASS		
		HCH	VN	10	2.54	0.00134	PASS		
				20	5.17	0.00272	PASS		
				30	-2.77	-0.00146	PASS		
				40	-1.46	-0.00077	PASS		
				50	2.83	0.00149	PASS		



Report No.: SZEM180300241701

Page: 121 of 121

					i age.	121 01 121	
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-30	-10.00	-0.00537	PASS
				-20	-5.63	-0.00303	PASS
					-10	5.00	0.00269
			VN	0	-3.06	-0.00164	PASS
		LCH		10	-0.41	-0.00022	PASS
				20	4.84	0.00260	PASS
				30	-5.97	-0.00321	PASS
				40	-6.23	-0.00335	PASS
				50	-5.98	-0.00321	PASS
	LTE/TM2 20MHz	MCH		-30	8.19	0.00435	PASS
			VN	-20	9.31	0.00495	PASS
				-10	-7.16	-0.00381	PASS
				0	-6.24	-0.00332	PASS
LTEband2				10	7.70	0.00409	PASS
				20	-1.09	-0.00058	PASS
				30	2.47	0.00131	PASS
				40	-0.59	-0.00031	PASS
				50	-5.92	-0.00315	PASS
			_	-30	-2.45	-0.00129	PASS
				-20	-4.48	-0.00236	PASS
				-10 -2.79	-0.00147	PASS	
				0	-2.80	-0.00147	PASS
		HCH	VN	10	2.75	0.00145	PASS
				20	-1.67	-0.00088	PASS
				30	2.17	0.00114	PASS
				40	2.75	0.00145	PASS
				50	-4.81	-0.00253	PASS

The End