

Report No.: SZEM180300241701

Page: 1 of 121

Appendix B

E-UTRA Band 4



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 band4	
3 MODULATION CHARACTERISTICS	2
3.1 FOR LTE	2
3.1.1 Test Band = LTE band4	2
4 BANDWIDTH	2
4.1 FOR LTE	24
4.1.1 Test Band = LTE band4	
5 BAND EDGES COMPLIANCE	60
5.1 FOR LTE	60
5.1.1 Test Band = LTE band4	
6 SPURIOUS EMISSION AT ANTENNA T	ERMINAL103
6.1 FOR LTE	
6.1.1 Test Band = LTE band4	
7 FIELD STRENGTH OF SPURIOUS RAI	DIATION11
7.1 FOR LTE	11
7.1.1 Test Band = LTE band4	
8 FREQUENCY STABILITY	
8.1 FREQUENCY ERROR VS. VOLTAGE	
8.2 FREQUENCY ERROR VS. TEMPERATU	JRE



Report No.: SZEM180300241701

3 of 121

Effective (Isotropic) Radiated Power Output Data 1

Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE BAND 4									
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict	
				RB1#0	23.51	24.61	30.00	PASS	
				RB1#2	23.58	24.68	30.00	PASS	
				RB1#5	23.53	24.63	30.00	PASS	
			LCH	RB3#0	23.58	24.68	30.00	PASS	
				RB3#2	23.49	24.59	30.00	PASS	
				RB3#3	23.62	24.72	30.00	PASS	
				RB6#0	22.35	23.45	30.00	PASS	
				RB1#0	23.27	24.37	30.00	PASS	
				RB1#2	23.41	24.51	30.00	PASS	
				RB1#5	23.61	24.71	30.00	PASS	
BAND4	LTE/TM1	1.4M	MCH	RB3#0	23.36	24.46	30.00	PASS	
				RB3#2	23.68	24.78	30.00	PASS	
				RB3#3	23.6	24.7	30.00	PASS	
				RB6#0	22.4	23.5	30.00	PASS	
				RB1#0	23.24	24.34	30.00	PASS	
				RB1#2	23.33	24.43	30.00	PASS	
				RB1#5	23.23	24.33	30.00	PASS	
			HCH	RB3#0	23.59	24.69	30.00	PASS	
				RB3#2	23.33	24.43	30.00	PASS	
				RB3#3	23.52	24.62	30.00	PASS	
				RB6#0	22.29	23.39	30.00	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	22.14	23.24	30.00	PASS
				RB1#2	21.95	23.05	30.00	PASS
				RB1#5	21.83	22.93	30.00	PASS
			LCH	RB3#0	22.42	23.52	30.00	PASS
				RB3#2	22.43	23.53	30.00	PASS
				RB3#3	22.45	23.55	30.00	PASS
				RB6#0	21.36	22.46	30.00	PASS
				RB1#0	21.35	22.45	30.00	PASS
				RB1#2	21.98	23.08	30.00	PASS
				RB1#5	21.3	22.4	30.00	PASS
BAND4	LTE/TM2	1.4M	MCH	RB3#0	21.91	23.01	30.00	PASS
				RB3#2	22.17	23.27	30.00	PASS
				RB3#3	22.05	23.15	30.00	PASS
				RB6#0	21.18	22.28	30.00	PASS
				RB1#0	21.7	22.8	30.00	PASS
				RB1#2	21.98	23.08	30.00	PASS
				RB1#5	21.99	23.09	30.00	PASS
			HCH	RB3#0	22.02	23.12	30.00	PASS
				RB3#2	22.27	23.37	30.00	PASS
				RB3#3	22.35	23.45	30.00	PASS
				RB6#0	21.4	22.5	30.00	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	23.64	24.74	30.00	PASS
				RB1#7	23.71	24.81	30.00	PASS
				RB1#14	23.59	24.69	30.00	PASS
			LCH	RB8#0	22.44	23.54	30.00	PASS
				RB8#4	22.45	23.55	30.00	PASS
				RB8#7	22.49	23.59	30.00	PASS
				RB15#0	22.4	23.5	30.00	PASS
				RB1#0	23.22	24.32	30.00	PASS
				RB1#7	23.23	24.33	30.00	PASS
				RB1#14	23.21	24.31	30.00	PASS
BAND4	LTE/TM1	ЗМ	MCH	RB8#0	22.43	23.53	30.00	PASS
				RB8#4	22.38	23.48	30.00	PASS
				RB8#7	22.43	23.53	30.00	PASS
				RB15#0	22.33	23.43	30.00	PASS
				RB1#0	23.31	24.41	30.00	PASS
				RB1#7	23.71	24.81	30.00	PASS
				RB1#14	23.21	24.31	30.00	PASS
			HCH	RB8#0	22.4	23.5	30.00	PASS
				RB8#4	22.43	23.53	30.00	PASS
				RB8#7	22.36	23.46	30.00	PASS
				RB15#0	22.36	23.46	30.00	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	21.52	22.62	30.00	PASS
				RB1#7	22.99	24.09	30.00	PASS
				RB1#14	22.04	23.14	30.00	PASS
			LCH	RB8#0	21.44	22.54	30.00	PASS
				RB8#4	21.43	22.53	30.00	PASS
				RB8#7	21.59	22.69	30.00	PASS
				RB15#0	21.39	22.49	30.00	PASS
				RB1#0	22.71	23.81	30.00	PASS
				RB1#7	22.49	23.59	30.00	PASS
				RB1#14	22.19	23.29	30.00	PASS
BAND4	LTE/TM2	ЗМ	MCH	RB8#0	21.18	22.28	30.00	PASS
				RB8#4	21.49	22.59	30.00	PASS
				RB8#7	21.34	22.44	30.00	PASS
				RB15#0	21.39	22.49	30.00	PASS
				RB1#0	22.38	23.48	30.00	PASS
				RB1#7	22.19	23.29	30.00	PASS
				RB1#14	22.42	23.52	30.00	PASS
			HCH	RB8#0	21.42	22.52	30.00	PASS
				RB8#4	21.48	22.58	30.00	PASS
				RB8#7	21.45	22.55	30.00	PASS
				RB15#0	21.51	22.61	30.00	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	23.34	24.44	30.00	PASS
				RB1#13	23.56	24.66	30.00	PASS
				RB1#24	23.2	24.3	30.00	PASS
			LCH	RB12#0	22.43	23.53	30.00	PASS
				RB12#6	22.51	23.61	30.00	PASS
				RB12#13	22.62	23.72	30.00	PASS
				RB25#0	22.48	23.58	30.00	PASS
				RB1#0	23.27	24.37	30.00	PASS
				RB1#13	23.22	24.32	30.00	PASS
				RB1#24	23.02	24.12	30.00	PASS
BAND4	LTE/TM1	5M	MCH	RB12#0	22.4	23.5	30.00	PASS
				RB12#6	22.36	23.46	30.00	PASS
				RB12#13	22.41	23.51	30.00	PASS
				RB25#0	22.37	23.47	30.00	PASS
				RB1#0	23.6	24.7	30.00	PASS
				RB1#13	23.49	24.59	30.00	PASS
				RB1#24	23.52	24.62	30.00	PASS
			HCH	RB12#0	22.53	23.63	30.00	PASS
				RB12#6	22.56	23.66	30.00	PASS
				RB12#13	22.46	23.56	30.00	PASS
				RB25#0	22.48	23.58	30.00	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	21.86	22.96	30.00	PASS
				RB1#13	21.97	23.07	30.00	PASS
				RB1#24	22.27	23.37	30.00	PASS
			LCH	RB12#0	21.41	22.51	30.00	PASS
				RB12#6	21.41	22.51	30.00	PASS
				RB12#13	21.64	22.74	30.00	PASS
				RB25#0	21.51	22.61	30.00	PASS
				RB1#0	22.72	23.82	30.00	PASS
				RB1#13	21.47	22.57	30.00	PASS
		5M	MCH	RB1#24	22.21	23.31	30.00	PASS
BAND4	LTE/TM2			RB12#0	21.24	22.34	30.00	PASS
				RB12#6	21.28	22.38	30.00	PASS
				RB12#13	21.24	22.34	30.00	PASS
				RB25#0	21.26	22.36	30.00	PASS
				RB1#0	21.63	22.73	30.00	PASS
				RB1#13	22.37	23.47	30.00	PASS
				RB1#24	22.18	23.28	30.00	PASS
		HCH	RB12#0	21.43	22.53	30.00	PASS	
			RB12#6	21.46	22.56	30.00	PASS	
			RB12#13	21.44	22.54	30.00	PASS	
				RB25#0	21.43	22.53	30.00	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	23.38	24.48	30.00	PASS
				RB1#25	23.71	24.81	30.00	PASS
				RB1#49	23.5	24.6	30.00	PASS
			LCH	RB25#0	22.64	23.74	30.00	PASS
				RB25#13	22.61	23.71	30.00	PASS
				RB25#25	22.61	23.71	30.00	PASS
				RB50#0	22.69	23.79	30.00	PASS
				RB1#0	23.52	24.62	30.00	PASS
				RB1#25	23.45	24.55	30.00	PASS
				RB1#49	23.31	24.41	30.00	PASS
BAND4	LTE/TM1	10M	MCH	RB25#0	22.53	23.63	30.00	PASS
				RB25#13	22.39	23.49	30.00	PASS
				RB25#25	22.45	23.55	30.00	PASS
				RB50#0	22.43	23.53	30.00	PASS
				RB1#0	23.5	24.6	30.00	PASS
				RB1#25	23.78	24.88	30.00	PASS
				RB1#49	23.63	24.73	30.00	PASS
			НСН	RB25#0	22.64	23.74	30.00	PASS
				RB25#13	22.56	23.66	30.00	PASS
				RB25#25	22.64	23.74	30.00	PASS
				RB50#0	22.65	23.75	30.00	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	22.47	23.57	30.00	PASS
				RB1#25	23.29	24.39	30.00	PASS
				RB1#49	22.41	23.51	30.00	PASS
			LCH	RB25#0	21.49	22.59	30.00	PASS
				RB25#13	21.71	22.81	30.00	PASS
				RB25#25	21.59	22.69	30.00	PASS
				RB50#0	21.63	22.73	30.00	PASS
				RB1#0	21.56	22.66	30.00	PASS
				RB1#25	22.24	23.34	30.00	PASS
				RB1#49	22.01	23.11	30.00	PASS
BAND4	LTE/TM2	10M	MCH	RB25#0	21.58	22.68	30.00	PASS
				RB25#13	21.59	22.69	30.00	PASS
				RB25#25	21.44	22.54	30.00	PASS
				RB50#0	21.32	22.42	30.00	PASS
				RB1#0	22.53	23.63	30.00	PASS
				RB1#25	22.83	23.93	30.00	PASS
				RB1#49	22.31	23.41	30.00	PASS
			НСН	RB25#0	21.76	22.86	30.00	PASS
			RB25#13	21.74	22.84	30.00	PASS	
			RB25#25	21.43	22.53	30.00	PASS	
				RB50#0	21.76	22.86	30.00	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	23.59	24.69	30.00	PASS
				RB1#38	23.68	24.78	30.00	PASS
				RB1#74	23.43	24.53	30.00	PASS
			LCH	RB36#0	22.72	23.82	30.00	PASS
				RB36#18	22.73	23.83	30.00	PASS
				RB36#39	22.63	23.73	30.00	PASS
				RB75#0	22.56	23.66	30.00	PASS
				RB1#0	23.59	24.69	30.00	PASS
				RB1#38	23.45	24.55	30.00	PASS
				RB1#74	23.41	24.51	30.00	PASS
BAND4	LTE/TM1	15M	MCH	RB36#0	22.58	23.68	30.00	PASS
				RB36#18	22.46	23.56	30.00	PASS
				RB36#39	22.5	23.6	30.00	PASS
				RB75#0	22.47	23.57	30.00	PASS
				RB1#0	23.71	24.81	30.00	PASS
				RB1#38	23.43	24.53	30.00	PASS
				RB1#74	23.55	24.65	30.00	PASS
			HCH	RB36#0	22.79	23.89	30.00	PASS
			RB36#18	22.72	23.82	30.00	PASS	
			RB36#39	22.62	23.72	30.00	PASS	
				RB75#0	22.61	23.71	30.00	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	22.08	23.18	30.00	PASS
				RB1#38	22.55	23.65	30.00	PASS
				RB1#74	22.29	23.39	30.00	PASS
			LCH	RB36#0	21.55	22.65	30.00	PASS
				RB36#18	21.72	22.82	30.00	PASS
				RB36#39	21.49	22.59	30.00	PASS
				RB75#0	21.72	22.82	30.00	PASS
				RB1#0	22.01	23.11	30.00	PASS
				RB1#38	22.15	23.25	30.00	PASS
				RB1#74	21.95	23.05	30.00	PASS
BAND4	LTE/TM2	15M	MCH	RB36#0	21.58	22.68	30.00	PASS
				RB36#18	21.42	22.52	30.00	PASS
				RB36#39	21.38	22.48	30.00	PASS
				RB75#0	21.46	22.56	30.00	PASS
				RB1#0	22.32	23.42	30.00	PASS
				RB1#38	22.66	23.76	30.00	PASS
				RB1#74	22.33	23.43	30.00	PASS
		HCH	RB36#0	21.73	22.83	30.00	PASS	
			RB36#18	21.79	22.89	30.00	PASS	
			RB36#39	21.7	22.8	30.00	PASS	
				RB75#0	21.8	22.9	30.00	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	23.24	24.34	30.00	PASS
				RB1#50	24.01	25.11	30.00	PASS
				RB1#99	23.39	24.49	30.00	PASS
			LCH	RB50#0	22.74	23.84	30.00	PASS
				RB50#25	22.71	23.81	30.00	PASS
				RB50#50	22.57	23.67	30.00	PASS
				RB100#0	22.59	23.69	30.00	PASS
				RB1#0	23.49	24.59	30.00	PASS
				RB1#50	23.5	24.6	30.00	PASS
				RB1#99	23.24	24.34	30.00	PASS
BAND4	LTE/TM1	20M	MCH	RB50#0	22.6	23.7	30.00	PASS
				RB50#25	22.53	23.63	30.00	PASS
				RB50#50	22.43	23.53	30.00	PASS
				RB100#0	22.45	23.55	30.00	PASS
				RB1#0	23.45	24.55	30.00	PASS
				RB1#50	23.79	24.89	30.00	PASS
				RB1#99	23.59	24.69	30.00	PASS
			НСН	RB50#0	22.7	23.8	30.00	PASS
				RB50#25	22.74	23.84	30.00	PASS
				RB50#50	22.72	23.82	30.00	PASS
				RB100#0	22.78	23.88	30.00	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
				RB1#0	22.55	23.65	30.00	PASS
				RB1#50	22.88	23.98	30.00	PASS
				RB1#99	22.37	23.47	30.00	PASS
			LCH	RB50#0	21.83	22.93	30.00	PASS
				RB50#25	21.83	22.93	30.00	PASS
				RB50#50	21.6	22.7	30.00	PASS
				RB100#0	21.57	22.67	30.00	PASS
				RB1#0	22.97	24.07	30.00	PASS
				RB1#50	22.38	23.48	30.00	PASS
				RB1#99	22.4	23.5	30.00	PASS
BAND4	LTE/TM2	20M	MCH	RB50#0	21.57	22.67	30.00	PASS
				RB50#25	21.58	22.68	30.00	PASS
				RB50#50	21.52	22.62	30.00	PASS
				RB100#0	21.55	22.65	30.00	PASS
			НСН	RB1#0	22.5	23.6	30.00	PASS
				RB1#50	23.1	24.2	30.00	PASS
				RB1#99	22.48	23.58	30.00	PASS
				RB50#0	21.81	22.91	30.00	PASS
				RB50#25	21.87	22.97	30.00	PASS
				RB50#50	21.68	22.78	30.00	PASS
				RB100#0	21.85	22.95	30.00	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 4	TM1/20M	LCH	4.78	13	PASS
		MCH	4.78	13	PASS
		HCH	5.57	13	PASS
	TM2/20M	LCH	5.88	13	PASS
		MCH	5.86	13	PASS
		HCH	6.49	13	PASS

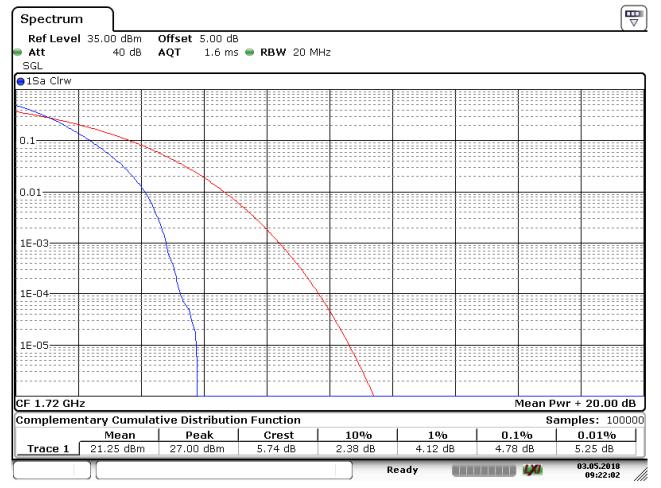
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band4

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

2.1.1.1.1 Test Channel = LCH



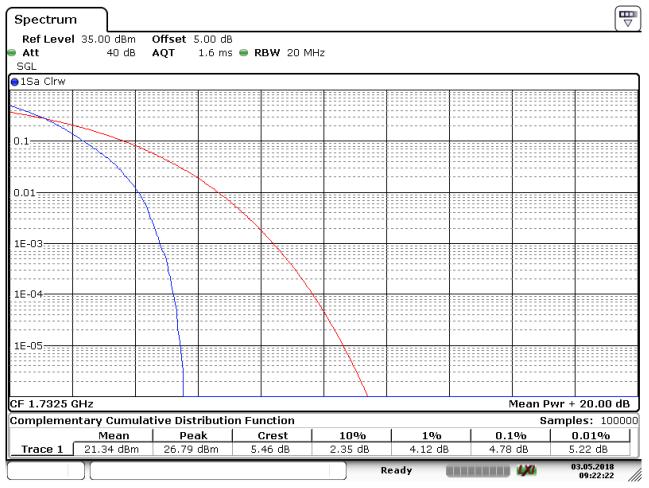
Date: 3.MAY.2018 09:22:02



Report No.: SZEM180300241701

Page: 16 of 121

2.1.1.1.2 Test Channel = MCH



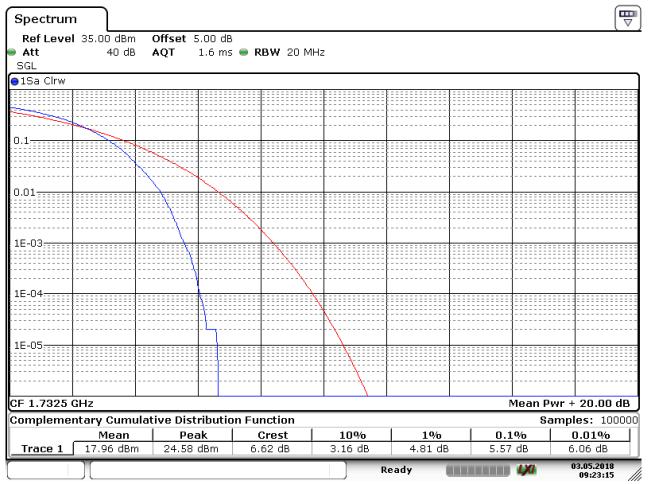
Date: 3.MAY.2018 09:22:23



Report No.: SZEM180300241701

Page: 17 of 121

2.1.1.1.3 Test Channel = HCH



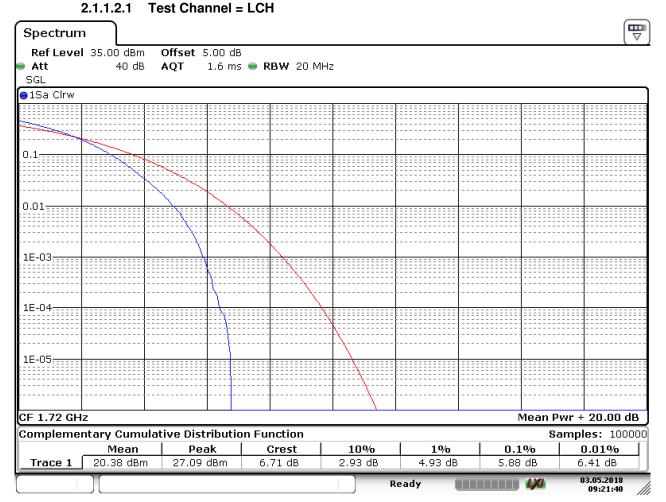
Date: 3.MAY.2018 09:23:15



Report No.: SZEM180300241701

Page: 18 of 121

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



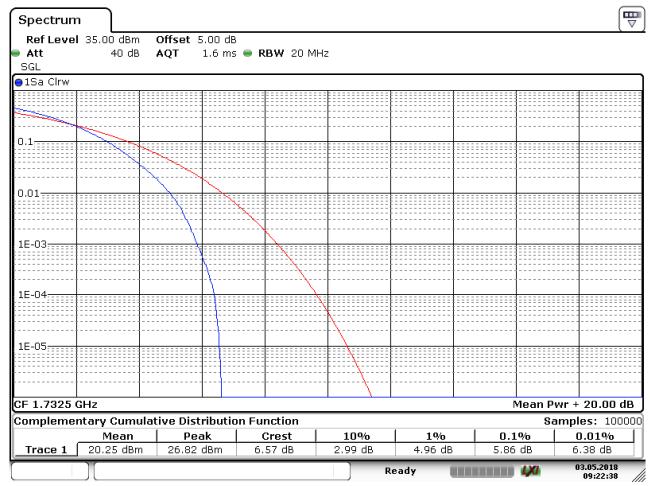
Date: 3.MAY.2018 09:21:40



Report No.: SZEM180300241701

Page: 19 of 121

2.1.1.2.2 Test Channel = MCH



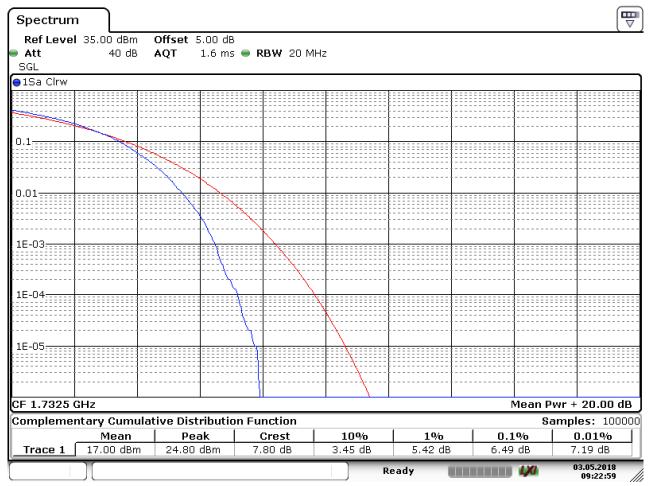
Date: 3.MAY.2018 09:22:39



Report No.: SZEM180300241701

Page: 20 of 121

2.1.1.2.3 Test Channel = HCH



Date: 3.MAY.2018 09:22:59



Report No.: SZEM180300241701

Page: 21 of 121

3 Modulation Characteristics

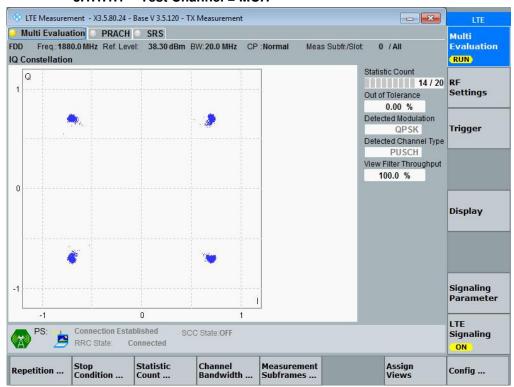
Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = LTE band4

3.1.1.1 Test Mode = LTE /TM1 20MHz

3.1.1.1.1 Test Channel = MCH



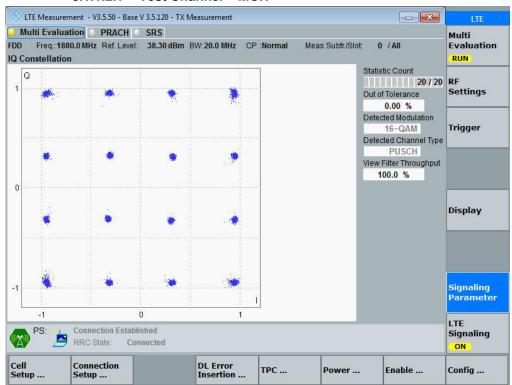


Report No.: SZEM180300241701

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	1.08	1.25	PASS
	TM1/1.4MHz	MCH	1.08	1.23	PASS
		HCH	1.08	1.23	PASS
		LCH	1.08	1.23	PASS
	TM2/1.4MHz	MCH	1.08	1.22	PASS
		HCH	1.08	1.23	PASS
		LCH	2.71	2.97	PASS
	TM1/3MHz	MCH	2.72	2.96	PASS
		HCH	2.72	2.97	PASS
		LCH	2.72	2.96	PASS
	TM2/3MHz	MCH	2.72	2.96	PASS
		HCH	2.72	2.96	PASS
		LCH	4.48	4.80	PASS
	TM1/5MHz	MCH	4.48	4.80	PASS
		HCH	4.48	4.79	PASS
	TM2/ 5MHz	LCH	4.49	4.80	PASS
		MCH	4.48	4.80	PASS
		HCH	4.49	4.82	PASS
Band 4		LCH	8.93	9.52	PASS
	TM1/10MHz	MCH	8.93	9.51	PASS
		HCH	8.95	9.49	PASS
		LCH	8.93	9.50	PASS
	TM2/ 10MHz	MCH	8.93	9.47	PASS
		HCH	8.95	9.51	PASS
		LCH	13.40	14.24	PASS
	TM1/ 15MHz	MCH	13.40	14.21	PASS
		HCH	13.43	14.25	PASS
		LCH	13.40	14.24	PASS
	TM2/ 15MHz	MCH	13.40	14.21	PASS
		HCH	13.43	14.22	PASS
		LCH	17.94	19.18	PASS
	TM1/20MHz	MCH	17.90	19.19	PASS
		HCH	17.90	19.20	PASS
		LCH	17.94	19.18	PASS
	TM2/ 20MHz	MCH	17.90	19.19	PASS
		HCH	17.90	19.18	PASS



Report No.: SZEM180300241701

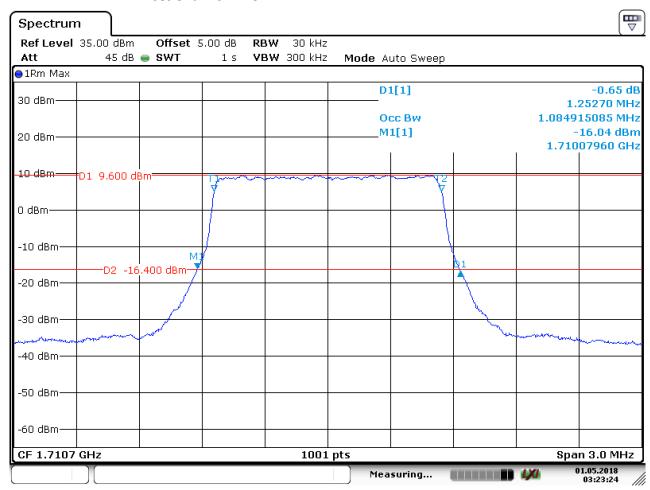
Page: 24 of 121

4.1 For LTE

4.1.1 Test Band = LTE band4

4.1.1.1 Test Mode = LTE/TM1 1.4MHz

4.1.1.1.1 Test Channel = LCH

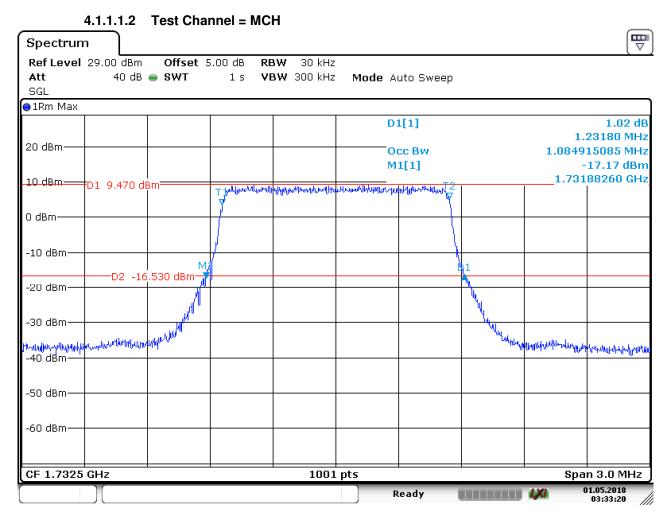


Date: 1.MAY.2018 03:23:25



Report No.: SZEM180300241701

Page: 25 of 121



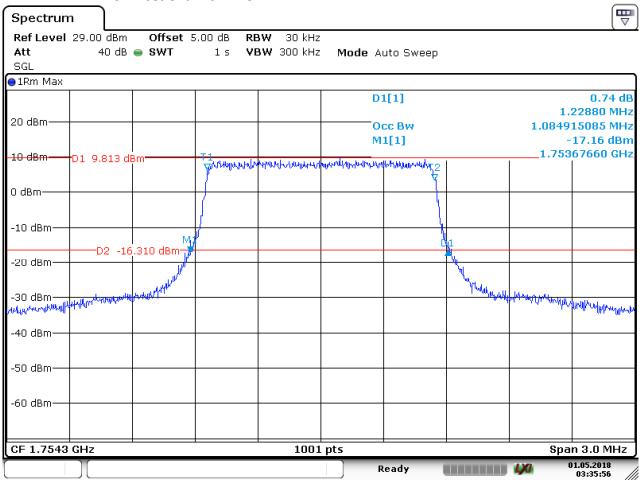
Date: 1.MAY.2018 03:33:20



Report No.: SZEM180300241701

Page: 26 of 121

4.1.1.1.3 Test Channel = HCH



Date: 1.MAY.2018 03:35:57

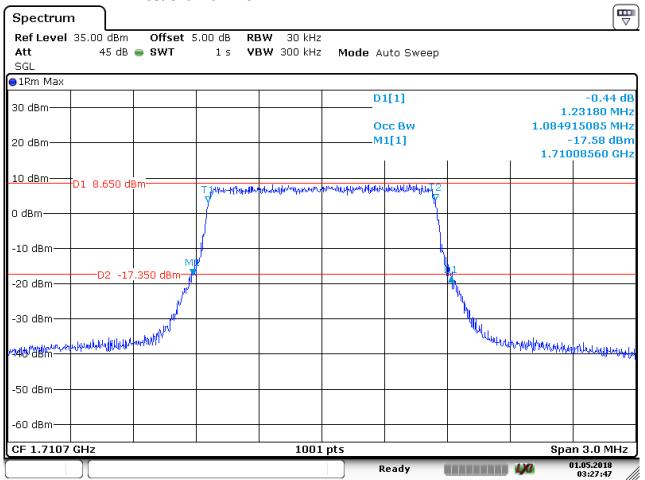


Report No.: SZEM180300241701

Page: 27 of 121

4.1.1.2 Test Mode = LTE/TM2 1.4MHz

4.1.1.2.1 Test Channel = LCH

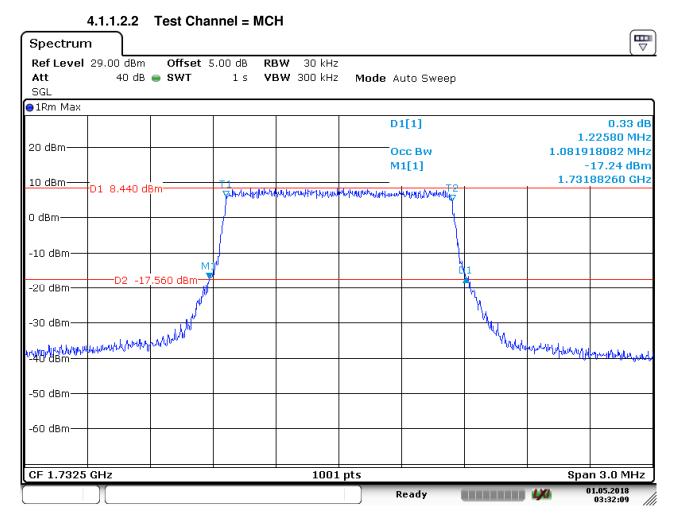


Date: 1.MAY.2018 03:27:47



Report No.: SZEM180300241701

Page: 28 of 121



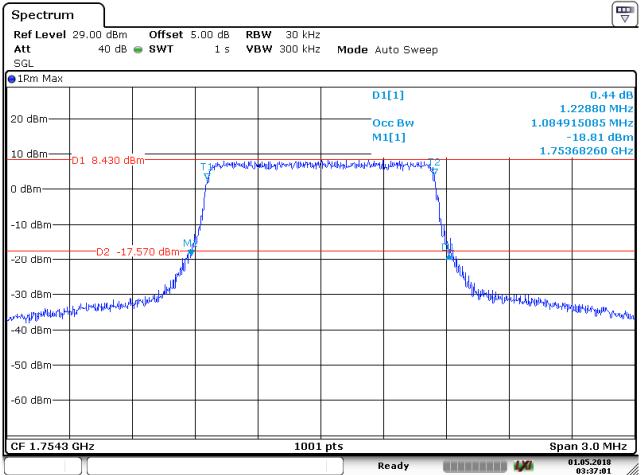
Date: 1.MAY.2018 03:32:09



Report No.: SZEM180300241701

Page: 29 of 121

4.1.1.2.3 Test Channel = HCH



Date: 1.MAY.2018 03:37:01



Report No.: SZEM180300241701

Page: 30 of 121

4.1.1.3 Test Mode = LTE/TM1 3MHz

4.1.1.3.1 Test Channel = LCH



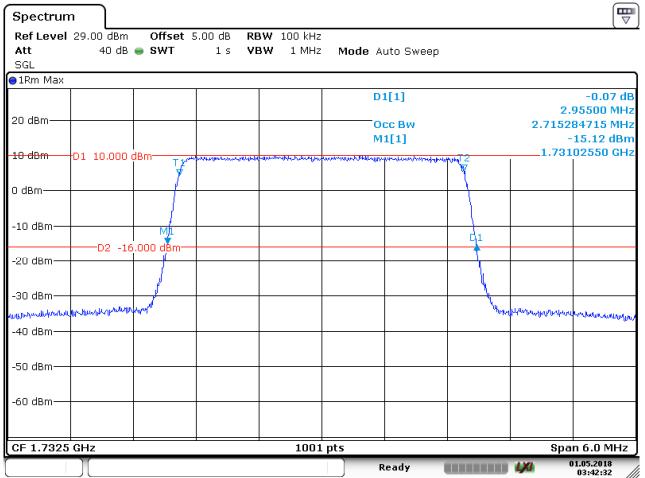
Date: 1.MAY.2018 03:39:05



Report No.: SZEM180300241701

Page: 31 of 121

4.1.1.3.2 Test Channel = MCH



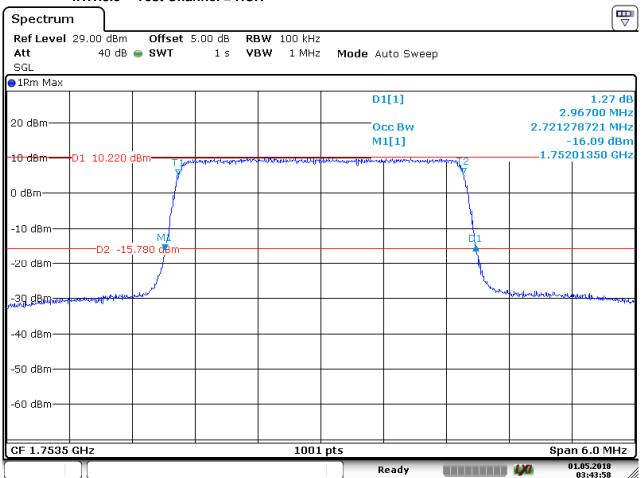
Date: 1.MAY.2018 03:42:33



Report No.: SZEM180300241701

Page: 32 of 121

4.1.1.3.3 Test Channel = HCH



Date: 1.MAY.2018 03:43:58

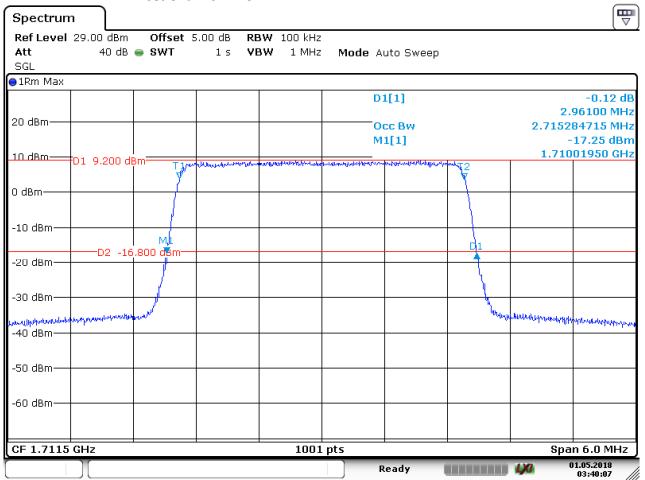


Report No.: SZEM180300241701

Page: 33 of 121

4.1.1.4 Test Mode = LTE/TM2 3MHz

4.1.1.4.1 Test Channel = LCH

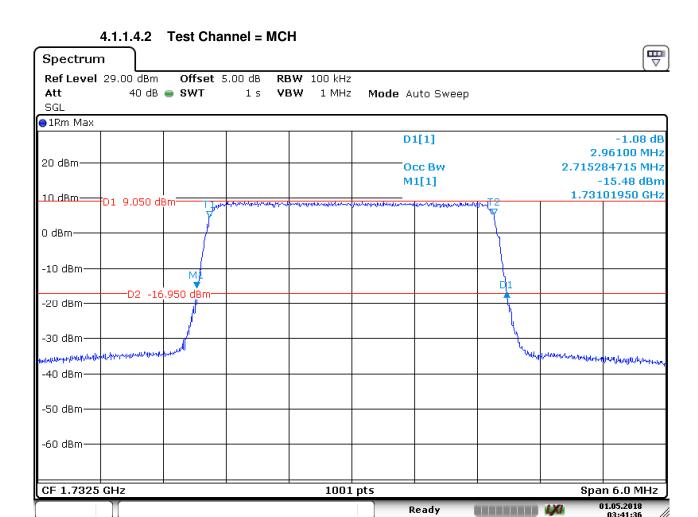


Date: 1.MAY.2018 03:40:08



Report No.: SZEM180300241701

Page: 34 of 121



Date: 1.MAY.2018 03:41:35



Report No.: SZEM180300241701

Page: 35 of 121

4.1.1.4.3 Test Channel = HCH



Date: 1.MAY.2018 03:45:11

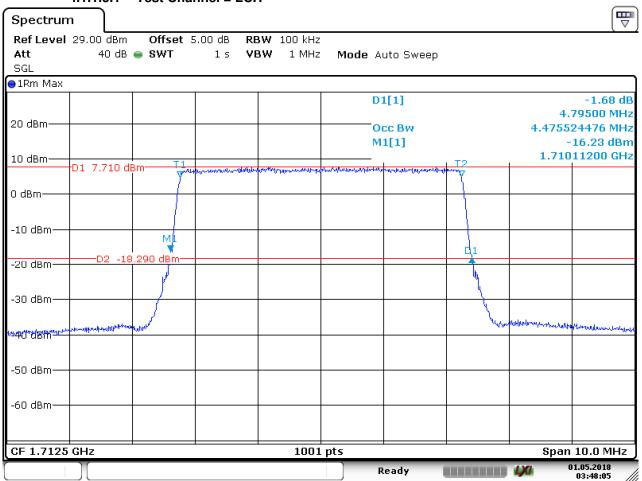


Report No.: SZEM180300241701

Page: 36 of 121

4.1.1.5 Test Mode = LTE/TM1 5MHz

4.1.1.5.1 Test Channel = LCH

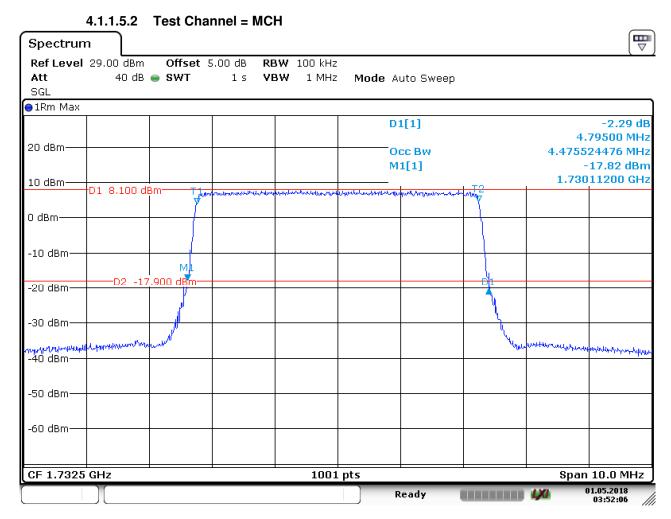


Date: 1.MAY.2018 03:48:06



Report No.: SZEM180300241701

Page: 37 of 121



Date: 1.MAY.2018 03:52:07



Report No.: SZEM180300241701

Page: 38 of 121

4.1.1.5.3 Test Channel = HCH



Date: 1.MAY.2018 03:53:28

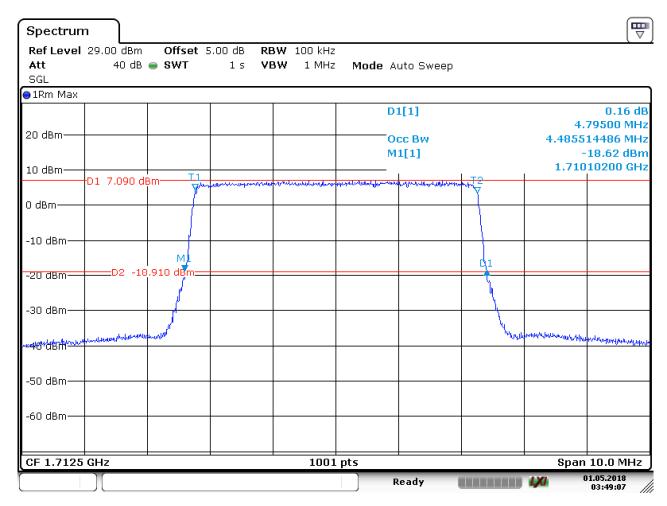


Report No.: SZEM180300241701

Page: 39 of 121

4.1.1.6 Test Mode = LTE/TM2 5MHz

4.1.1.6.1 Test Channel = LCH



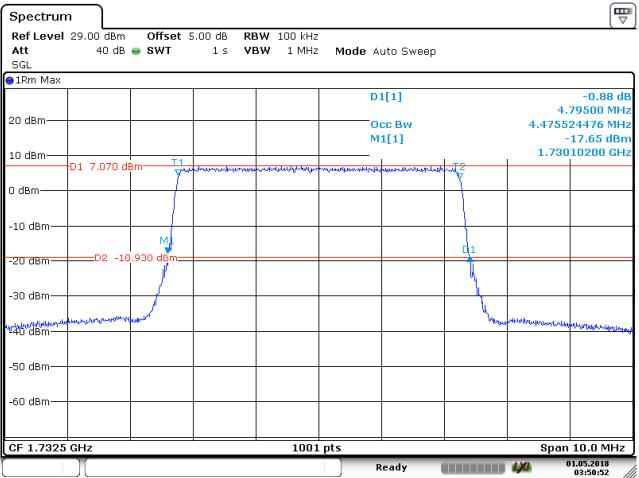
Date: 1.MAY.2018 03:49:08



Report No.: SZEM180300241701

Page: 40 of 121

4.1.1.6.2 Test Channel = MCH



Date: 1.MAY.2018 03:50:53



Report No.: SZEM180300241701

Page: 41 of 121



Date: 1.MAY.2018 03:54:38

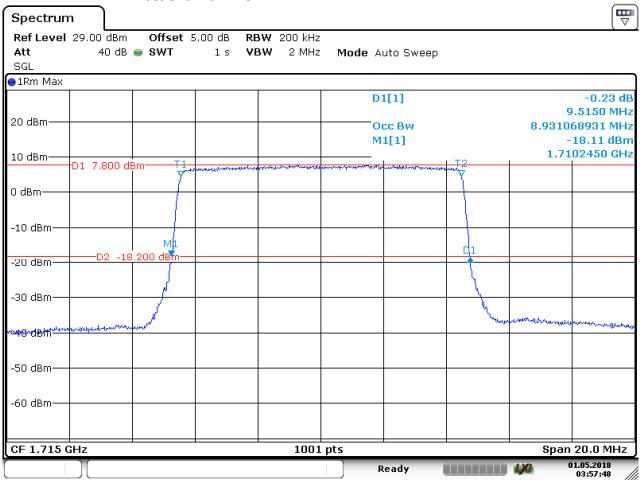


Report No.: SZEM180300241701

Page: 42 of 121

4.1.1.7 Test Mode = LTE/TM1 10MHz

4.1.1.7.1 Test Channel = LCH

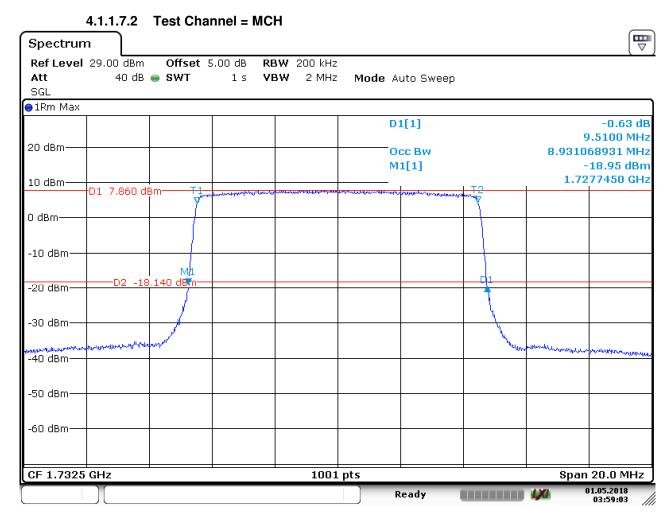


Date: 1.MAY.2018 03:57:48



Report No.: SZEM180300241701

Page: 43 of 121



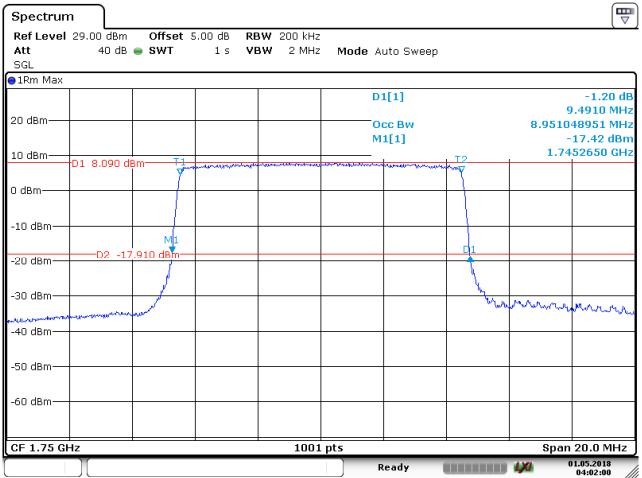
Date: 1.MAY.2018 03:59:04



Report No.: SZEM180300241701

Page: 44 of 121

4.1.1.7.3 Test Channel = HCH



Date: 1.MAY.2018 04:02:01

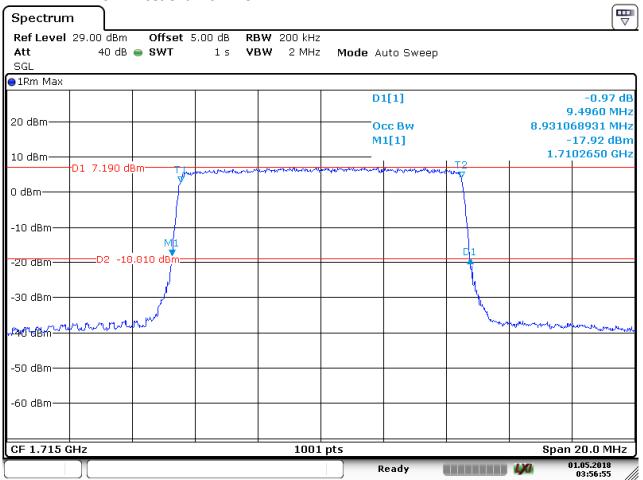


Report No.: SZEM180300241701

Page: 45 of 121

4.1.1.8 Test Mode = LTE/TM2 10MHz

4.1.1.8.1 Test Channel = LCH



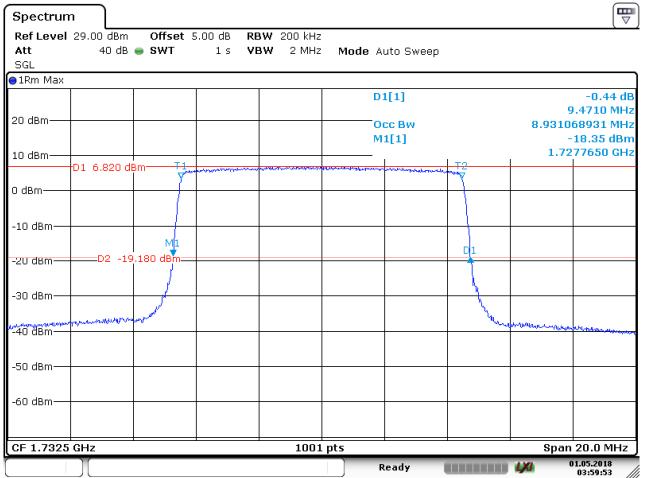
Date: 1.MAY.2018 03:56:56



Report No.: SZEM180300241701

Page: 46 of 121

4.1.1.8.2 Test Channel = MCH

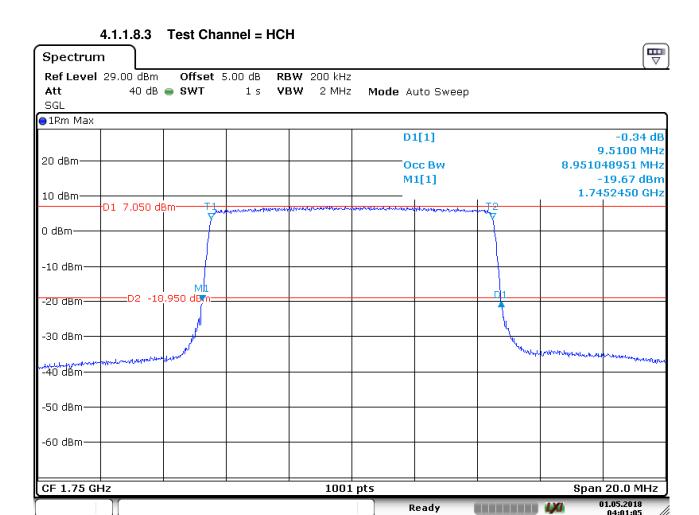


Date: 1.MAY.2018 03:59:53



Report No.: SZEM180300241701

Page: 47 of 121



Date: 1.MAY.2018 04:01:05

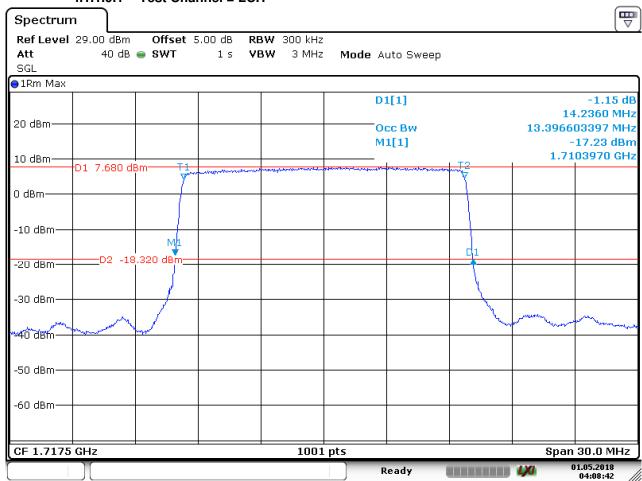


Report No.: SZEM180300241701

Page: 48 of 121

4.1.1.9 Test Mode = LTE/TM1 15MHz

4.1.1.9.1 Test Channel = LCH

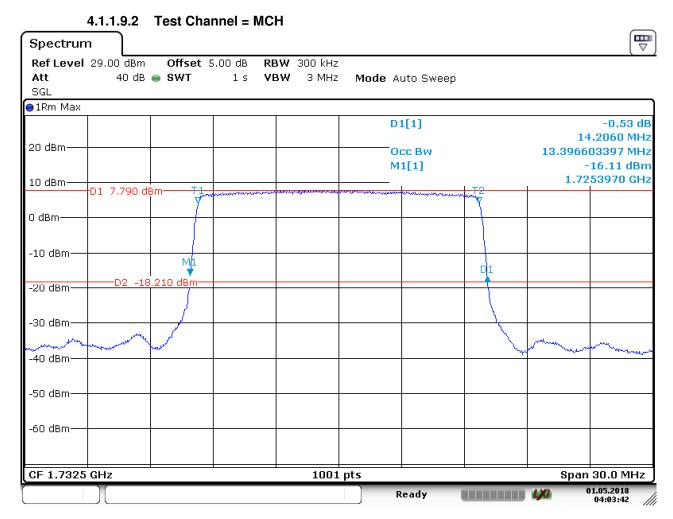


Date: 1.MAY.2018 04:08:42



Report No.: SZEM180300241701

Page: 49 of 121



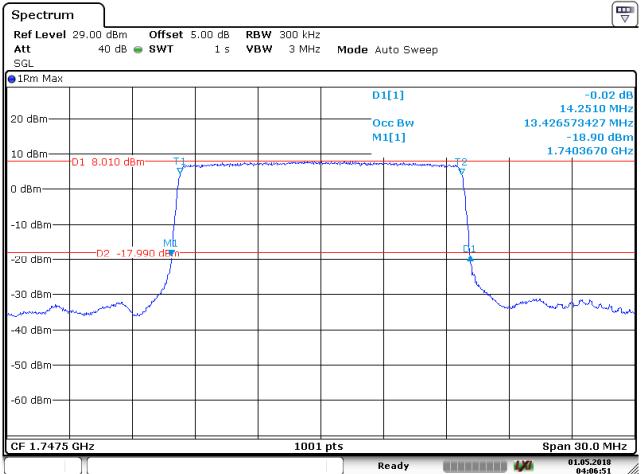
Date: 1.MAY.2018 04:03:43



Report No.: SZEM180300241701

Page: 50 of 121

4.1.1.9.3 Test Channel = HCH



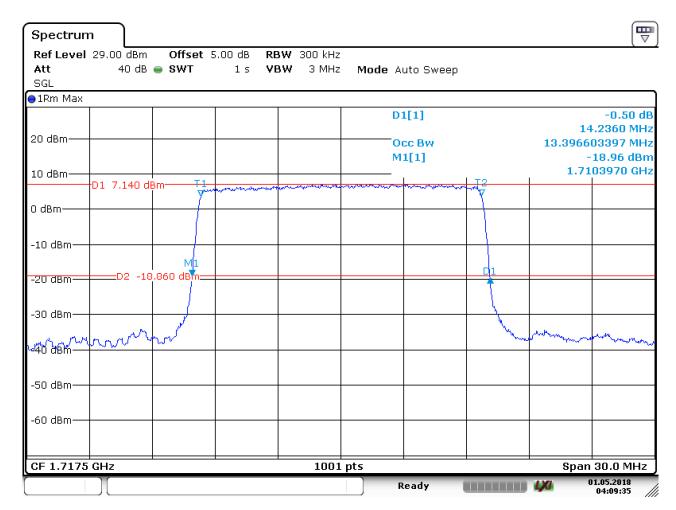
Date: 1.MAY.2018 04:06:52



Report No.: SZEM180300241701

Page: 51 of 121

4.1.1.10 Test Mode = LTE/TM2 15MHz 4.1.1.10.1 Test Channel = LCH

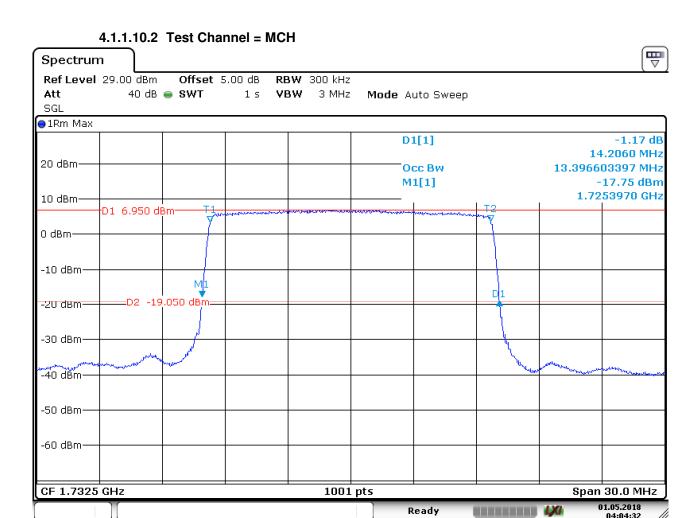


Date: 1.MAY.2018 04:09:35



Report No.: SZEM180300241701

Page: 52 of 121



Date: 1.MAY.2018 04:04:32



Report No.: SZEM180300241701

Span 30.0 MHz 01.05.2018

4,70

Page: 53 of 121

4.1.1.10.3 Test Channel = HCH \Box Spectrum Ref Level 29.00 dBm Offset 5.00 dB **RBW** 300 kHz Att 40 dB 🅌 SWT 1 s VBW 3 MHz Mode Auto Sweep SGL ●1Rm Max D1[1] -1.73 dB 14.2210 MHz 20 dBm-Occ Bw 13.426573427 MHz M1[1] -18.78 dBm 1.7403970 GHz 10 dBm-D1 6.970 dBm[.] 0 dBm--10 dBm--20 dBm-=D2 -19.030 dBm -30 dBm--40 dBm-

1001 pts

Ready

Date: 1.MAY.2018 04:05:50

CF 1.7475 GHz

-50 dBm-

-60 dBm[.]

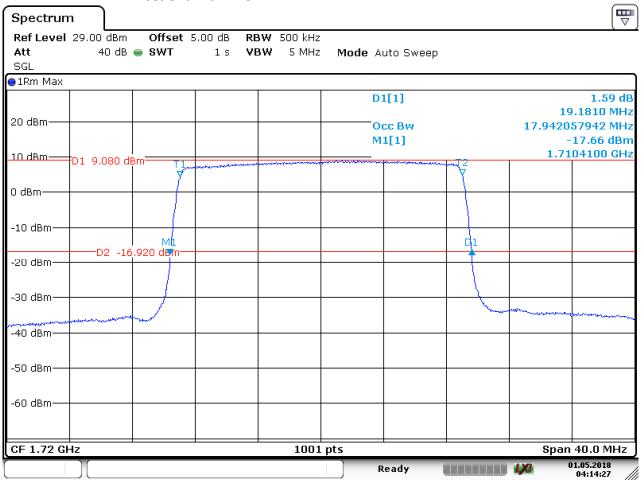


Report No.: SZEM180300241701

Page: 54 of 121

4.1.1.11 Test Mode = LTE/TM1 20MHz

4.1.1.11.1 Test Channel = LCH

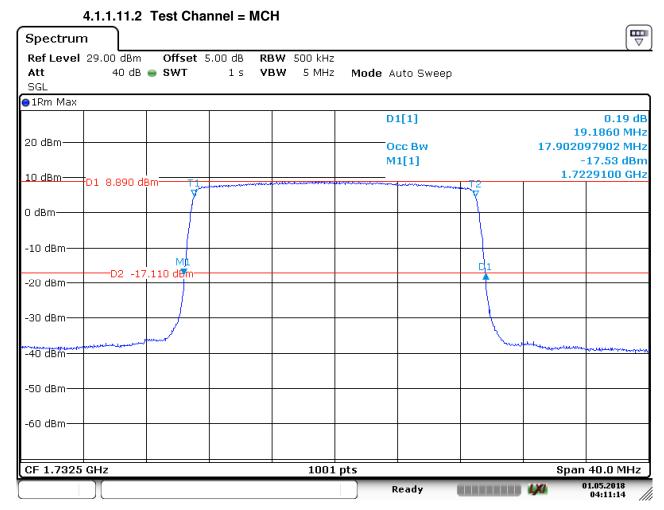


Date: 1.MAY.2018 04:14:27



Report No.: SZEM180300241701

Page: 55 of 121

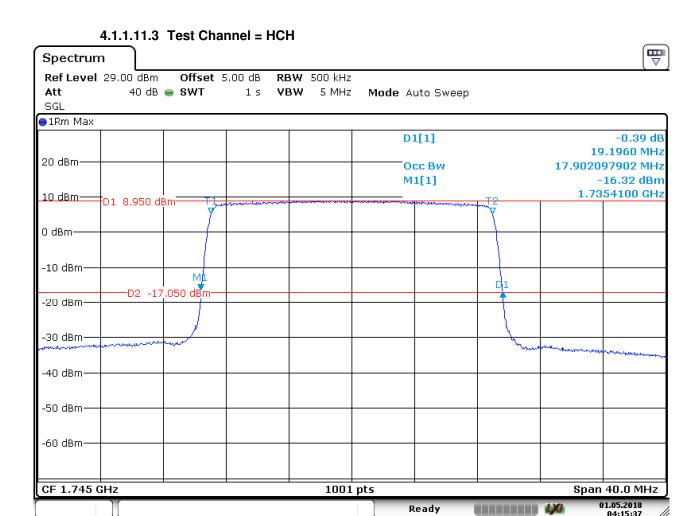


Date: 1.MAY.2018 04:11:15



Report No.: SZEM180300241701

Page: 56 of 121



Date: 1.MAY.2018 04:15:37

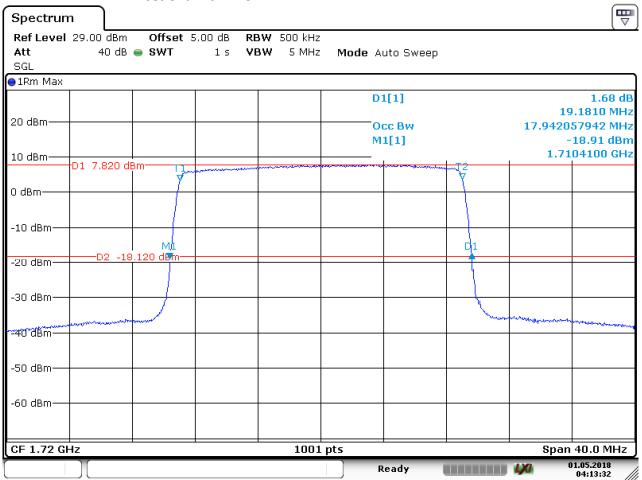


Report No.: SZEM180300241701

Page: 57 of 121

4.1.1.12 Test Mode = LTE/TM2 20MHz

4.1.1.12.1 Test Channel = LCH



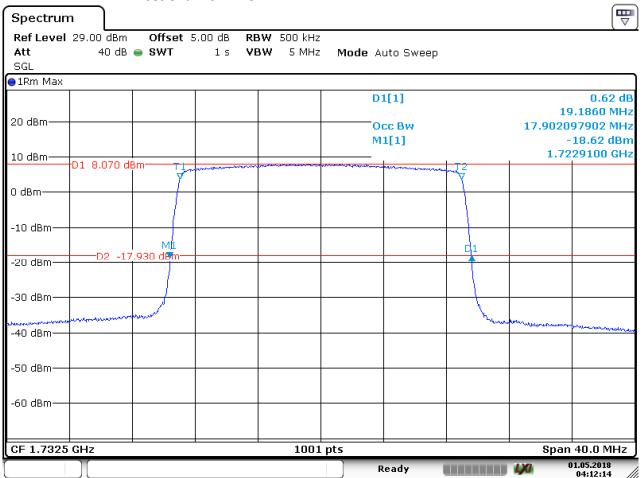
Date: 1.MAY.2018 04:13:32



Report No.: SZEM180300241701

Page: 58 of 121

4.1.1.12.2 Test Channel = MCH



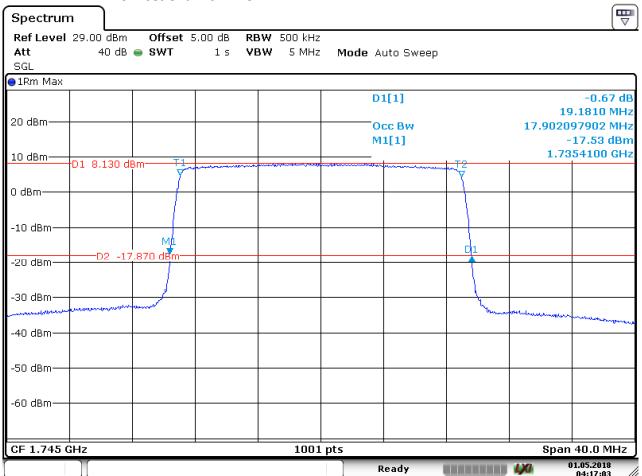
Date: 1.MAY.2018 04:12:14



Report No.: SZEM180300241701

Page: 59 of 121

4.1.1.12.3 Test Channel = HCH



Date: 1.MAY.2018 04:17:03



Report No.: SZEM180300241701

Page: 60 of 121

5 Band Edges Compliance

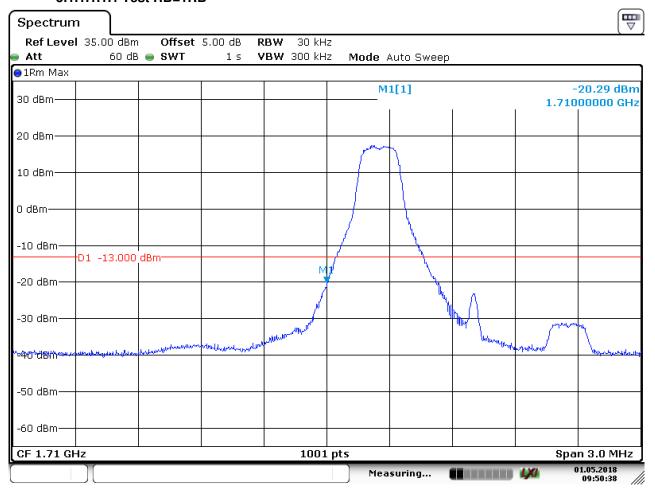
5.1 For LTE

5.1.1 Test Band = LTE band4

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



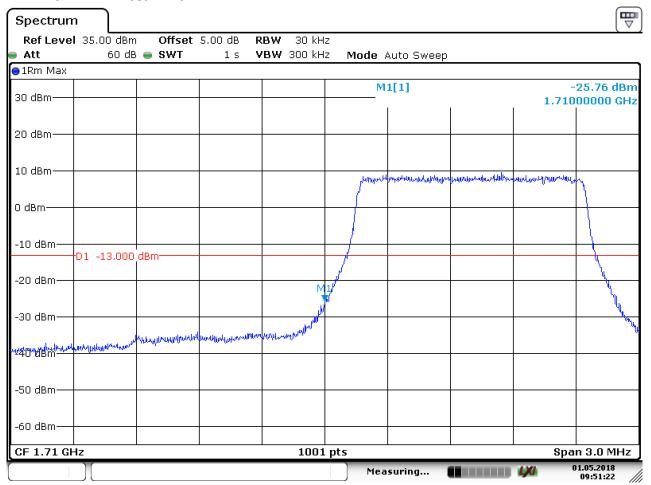
Date: 1.MAY.2018 09:50:39



Report No.: SZEM180300241701

Page: 61 of 121

5.1.1.1.1.2 Test RB=6RB



Date: 1.MAY.2018 09:51:22

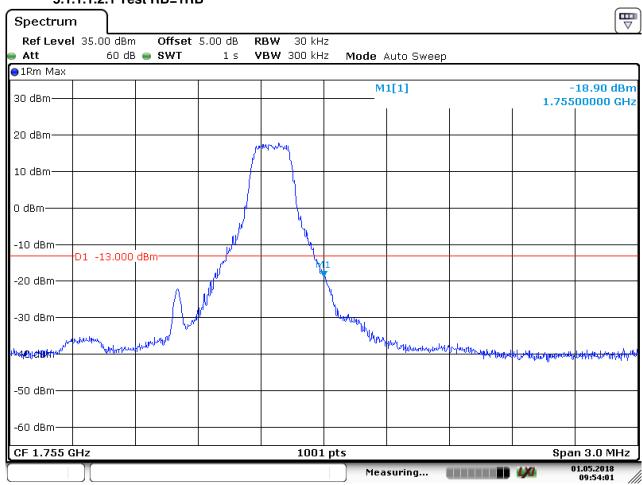


Report No.: SZEM180300241701

Page: 62 of 121

5.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 Test RB=1RB



Date: 1.MAY.2018 09:54:02



Report No.: SZEM180300241701

Page: 63 of 121

5.1.1.1.2.2 Test RB=6RB



Date: 1.MAY.2018 09:53:43

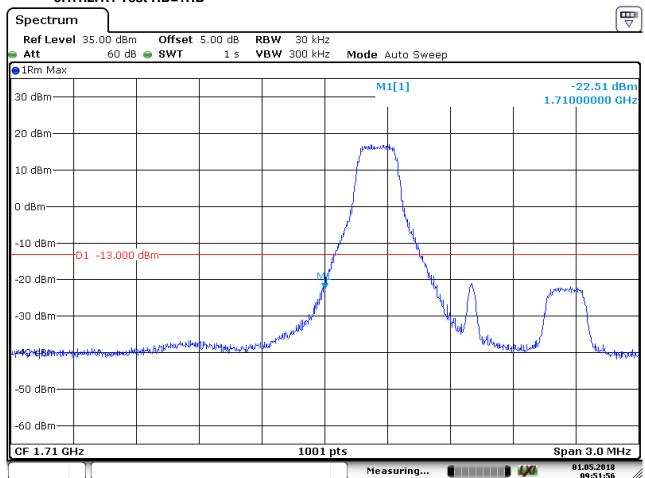


Report No.: SZEM180300241701

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



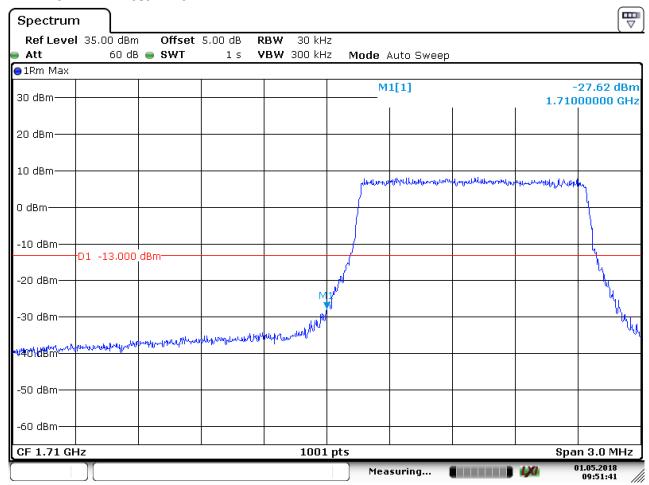
Date: 1.MAY.2018 09:51:56



Report No.: SZEM180300241701

Page: 65 of 121

5.1.1.2.1.2 Test RB=6RB



Date: 1.MAY.2018 09:51:41

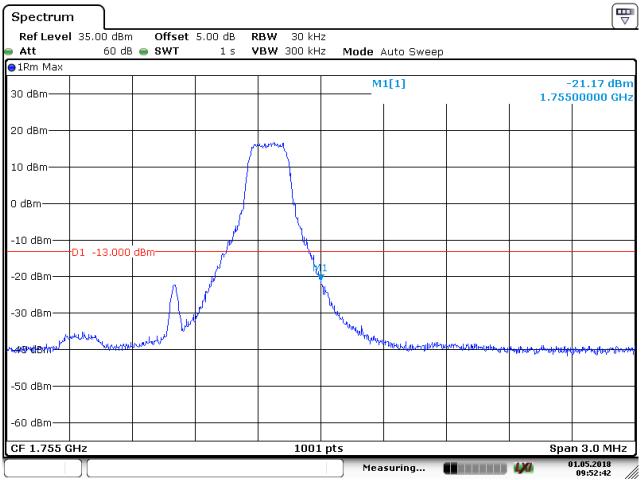


Report No.: SZEM180300241701

Page: 66 of 121

5.1.1.2.2 Test Channel = HCH

5.1.1.2.2.1 Test RB=1RB



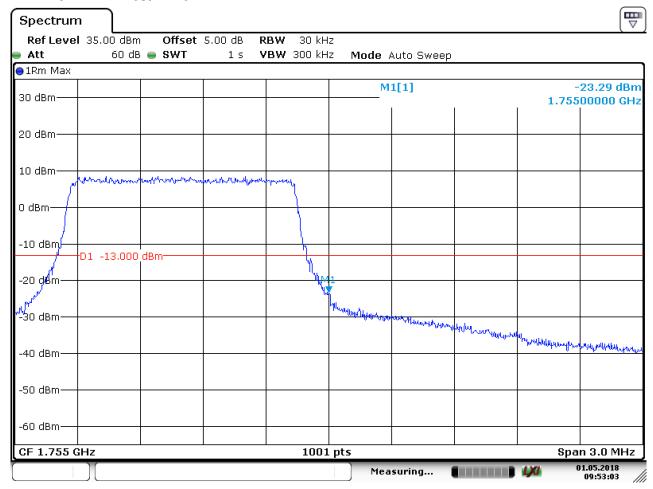
Date: 1.MAY.2018 09:52:42



Report No.: SZEM180300241701

Page: 67 of 121

5.1.1.2.2.2 Test RB=6RB



Date: 1.MAY.2018 09:53:04

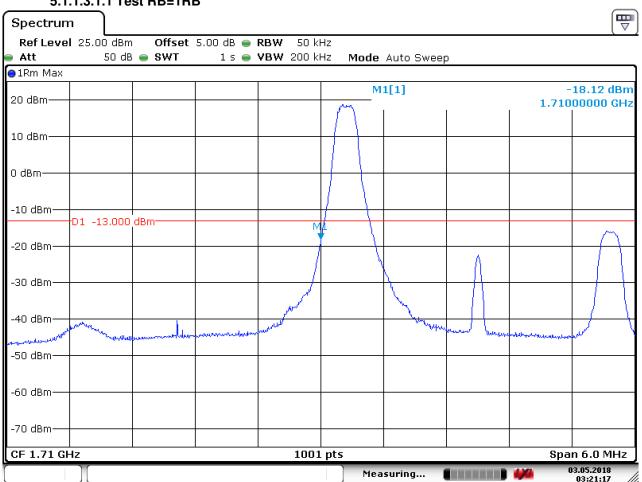


Report No.: SZEM180300241701

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



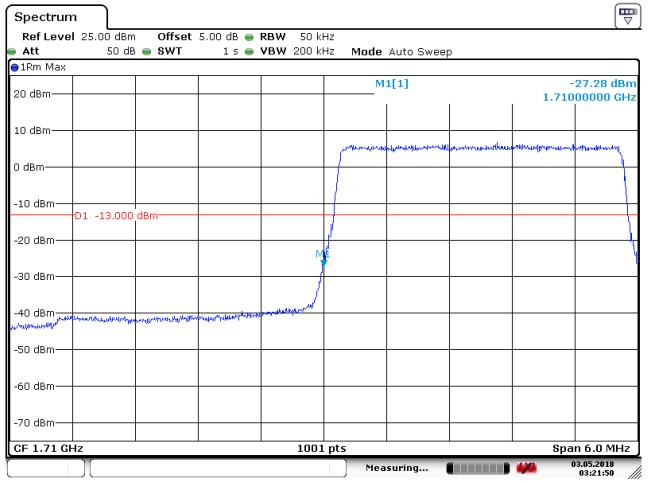
Date: 3.MAY.2018 03:21:17



Report No.: SZEM180300241701

Page: 69 of 121

5.1.1.3.1.2 Test RB=15RB



Date: 3.MAY.2018 03:21:50

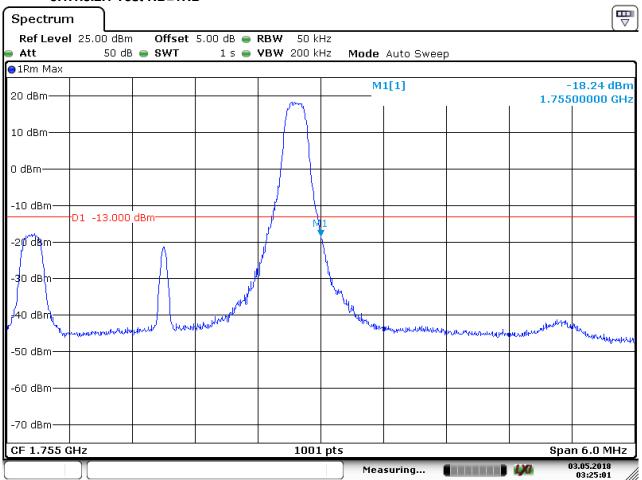


Report No.: SZEM180300241701

Page: 70 of 121

5.1.1.3.2 Test Channel = HCH

5.1.1.3.2.1 Test RB=1RB



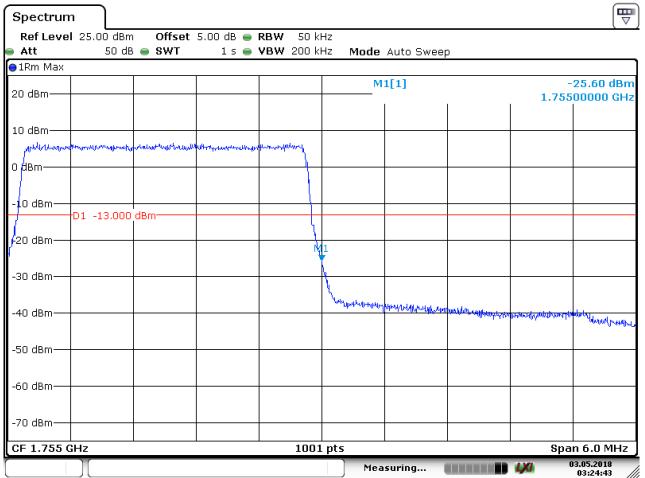
Date: 3.MAY.2018 03:25:01



Report No.: SZEM180300241701

Page: 71 of 121

5.1.1.3.2.2 Test RB=15RB



Date: 3.MAY.2018 03:24:43

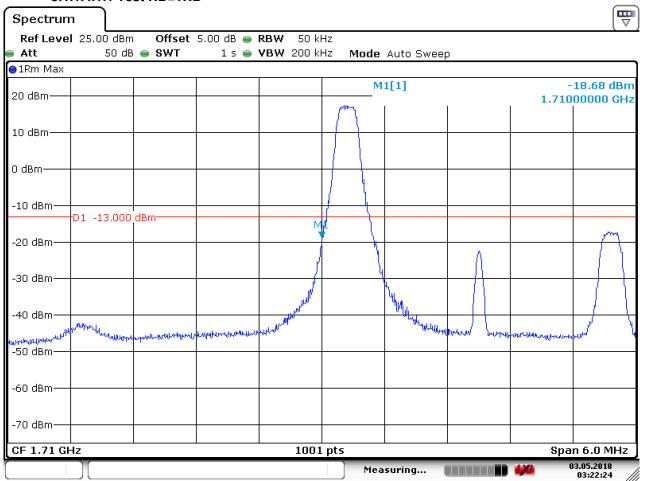


Report No.: SZEM180300241701

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



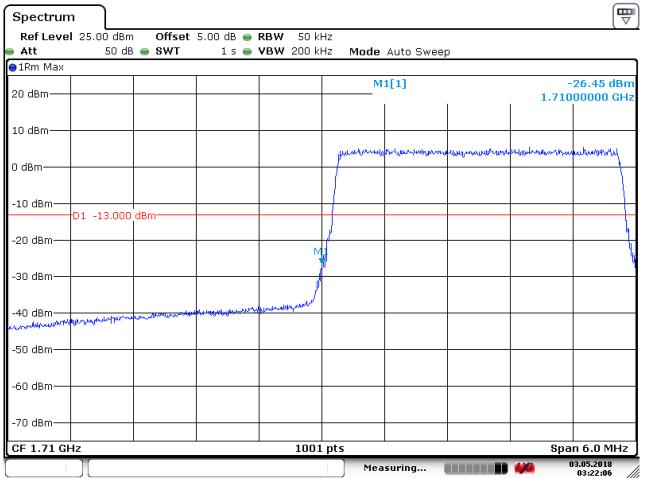
Date: 3.MAY.2018 03:22:24



Report No.: SZEM180300241701

Page: 73 of 121

5.1.1.4.1.2 Test RB=15RB



Date: 3.MAY.2018 03:22:06

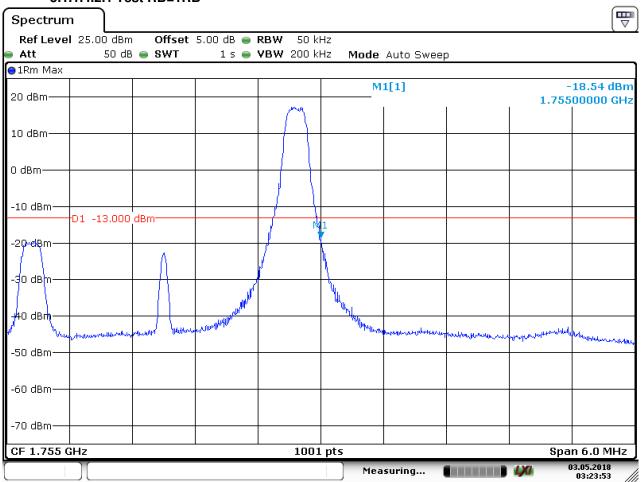


Report No.: SZEM180300241701

Page: 74 of 121

5.1.1.4.2 Test Channel = HCH

5.1.1.4.2.1 Test RB=1RB



Date: 3.MAY.2018 03:23:53



Report No.: SZEM180300241701

Page: 75 of 121

5.1.1.4.3 Test RB=15RB



Date: 3.MAY.2018 03:24:09

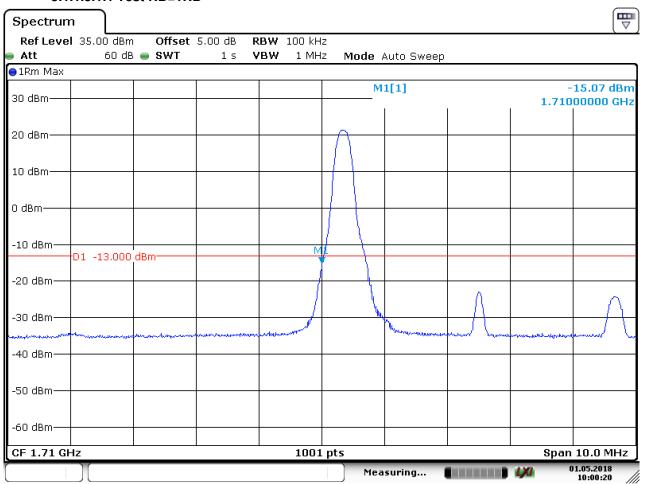


Report No.: SZEM180300241701

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



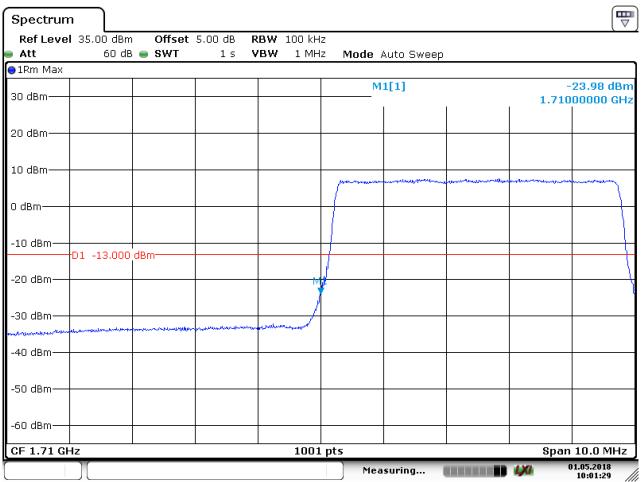
Date: 1.MAY.2018 10:00:21



Report No.: SZEM180300241701

Page: 77 of 121

5.1.1.5.1.2 Test RB=25RB



Date: 1.MAY.2018 10:01:30

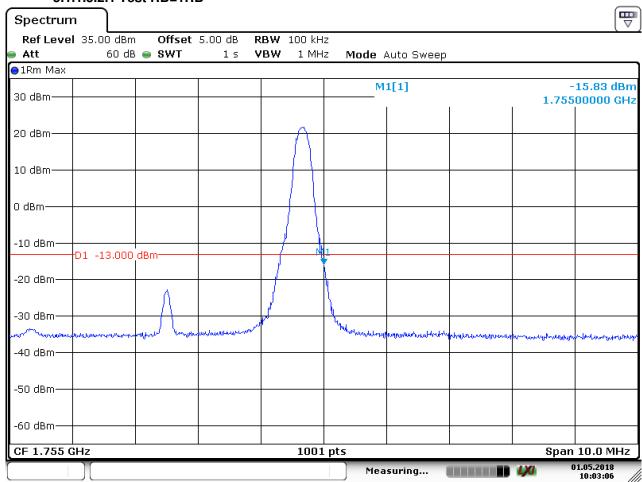


Report No.: SZEM180300241701

Page: 78 of 121

5.1.1.5.2 est Channel = HCH

5.1.1.5.2.1 Test RB=1RB



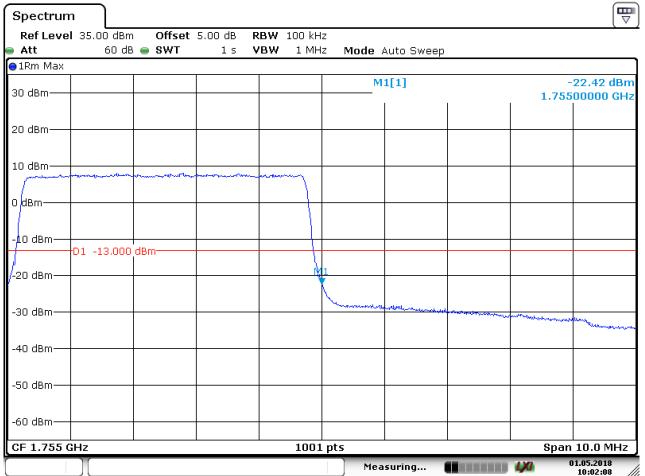
Date: 1.MAY.2018 10:03:06



Report No.: SZEM180300241701

Page: 79 of 121

5.1.1.5.2.2 Test RB=25RB



Date: 1.MAY.2018 10:02:09

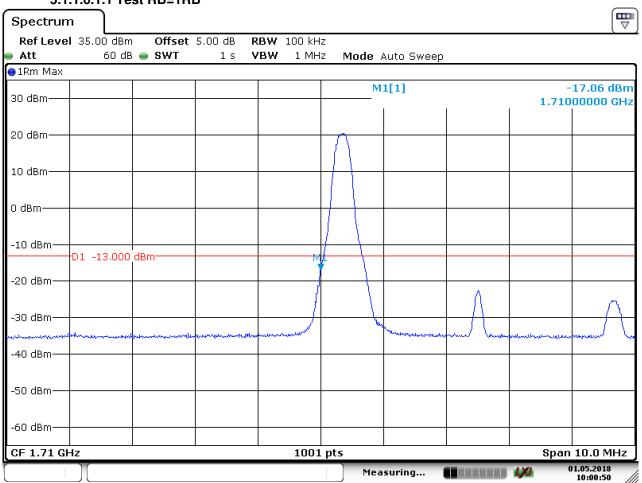


Report No.: SZEM180300241701

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



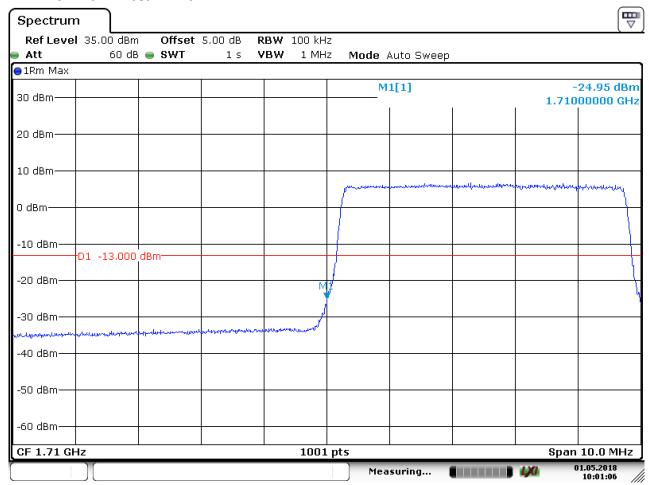
Date: 1.MAY.2018 10:00:51



Report No.: SZEM180300241701

Page: 81 of 121

5.1.1.6.1.2 Test RB=25RB



Date: 1.MAY.2018 10:01:07

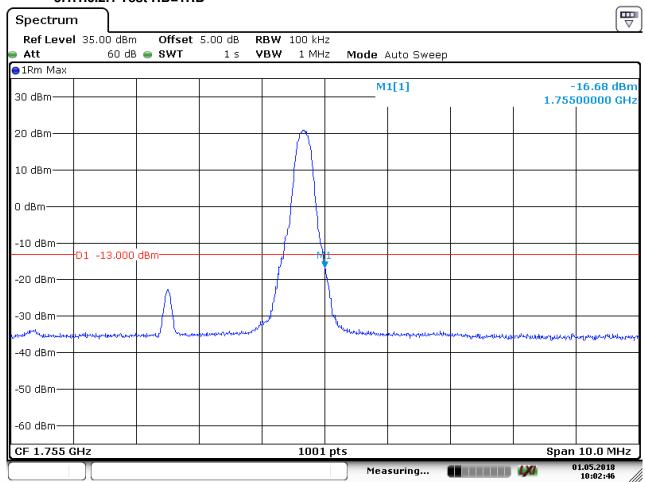


Report No.: SZEM180300241701

Page: 82 of 121

5.1.1.6.2 Test Channel = HCH

5.1.1.6.2.1 Test RB=1RB



Date: 1.MAY.2018 10:02:47



Report No.: SZEM180300241701

Page: 83 of 121

5.1.1.6.2.2 Test RB=25RB



Date: 1.MAY.2018 10:02:28

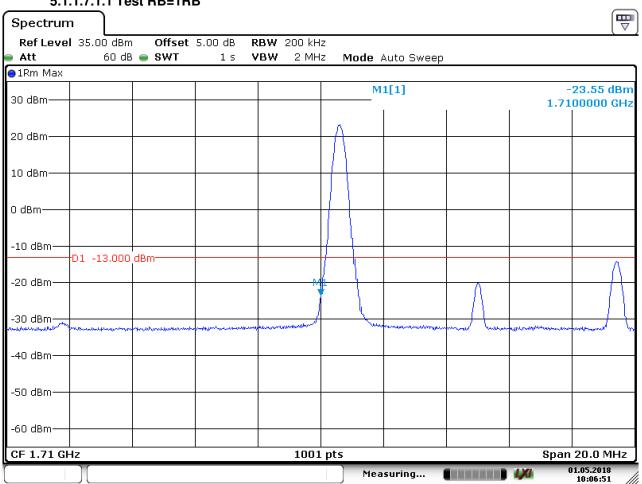


Report No.: SZEM180300241701

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



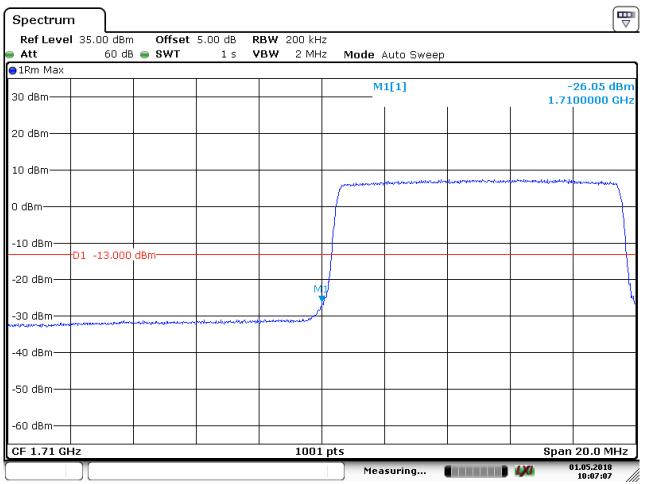
Date: 1.MAY.2018 10:06:51



Report No.: SZEM180300241701

Page: 85 of 121

5.1.1.7.1.2 Test RB=50RB



Date: 1.MAY.2018 10:07:07

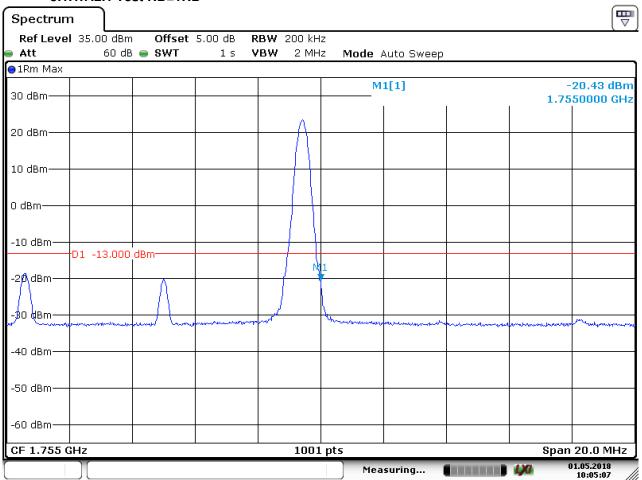


Report No.: SZEM180300241701

Page: 86 of 121

5.1.1.7.2 Test Channel = HCH

5.1.1.7.2.1 Test RB=1RB



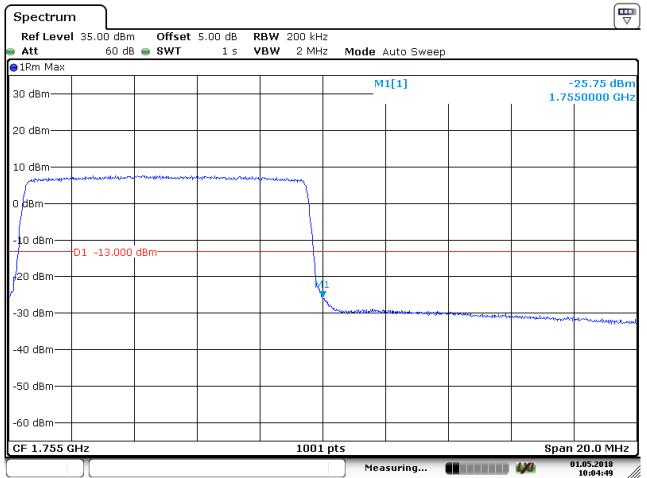
Date: 1.MAY.2018 10:05:07



Report No.: SZEM180300241701

Page: 87 of 121

5.1.1.7.2.2 Test RB=50RB



Date: 1.MAY.2018 10:04:50

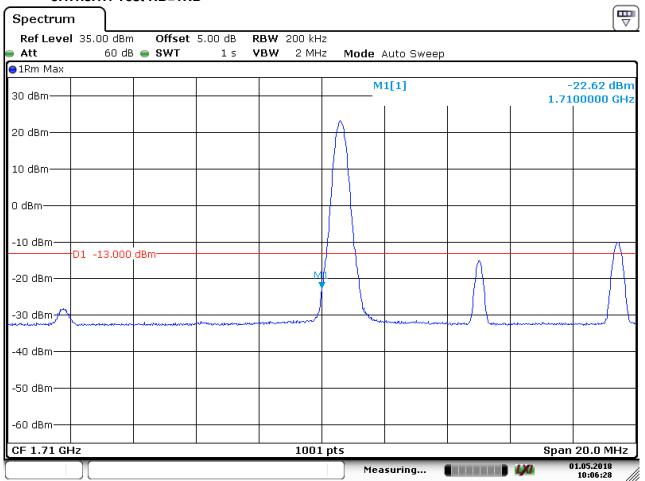


Report No.: SZEM180300241701

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



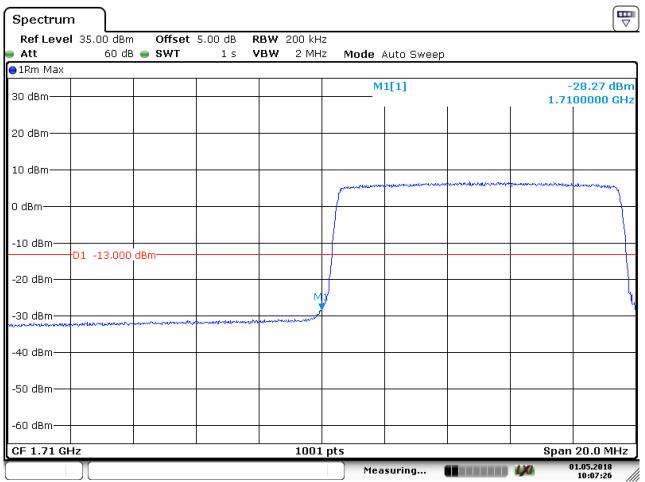
Date: 1.MAY.2018 10:06:28



Report No.: SZEM180300241701

Page: 89 of 121

5.1.1.8.1.2 Test RB=50RB



Date: 1.MAY.2018 10:07:27

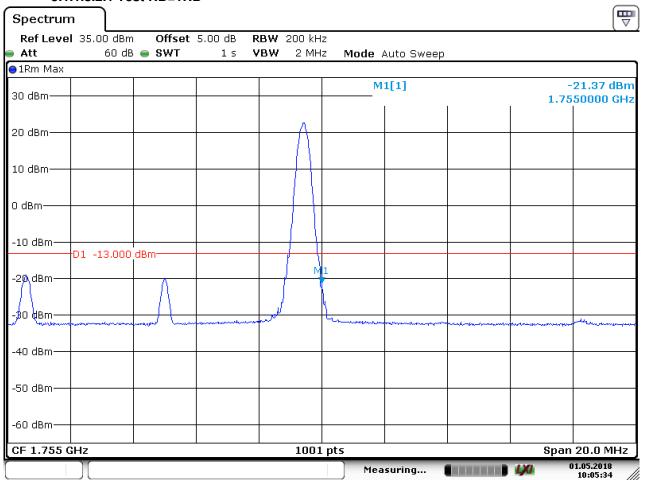


Report No.: SZEM180300241701

Page: 90 of 121

5.1.1.8.2 Test Channel = HCH

5.1.1.8.2.1 Test RB=1RB



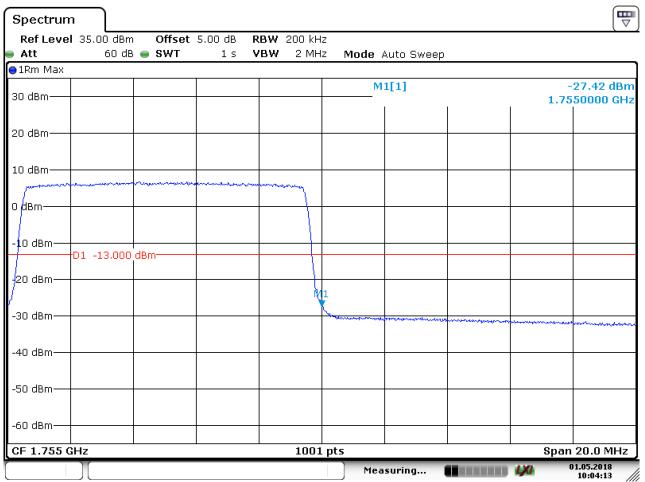
Date: 1.MAY.2018 10:05:34



Report No.: SZEM180300241701

Page: 91 of 121

5.1.1.8.2.2 Test RB=50RB



Date: 1.MAY.2018 10:04:13

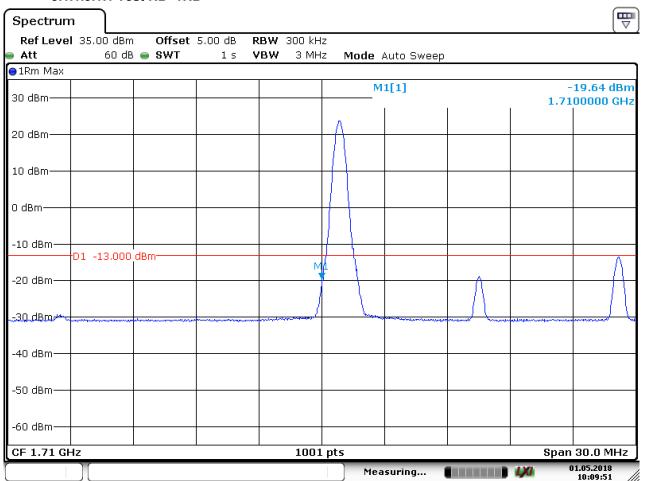


Report No.: SZEM180300241701

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



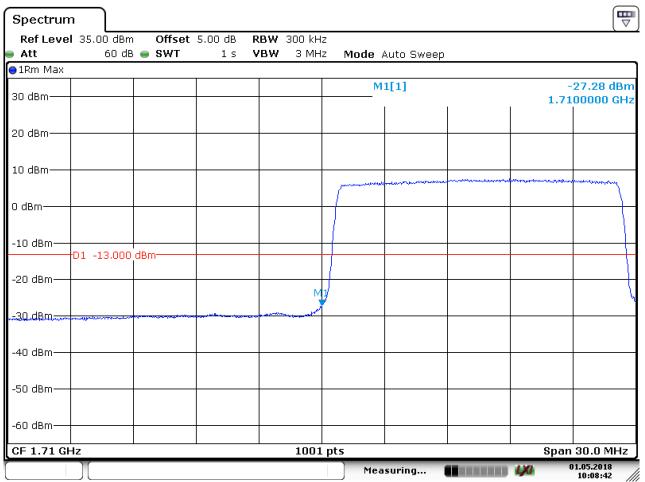
Date: 1.MAY.2018 10:09:52



Report No.: SZEM180300241701

Page: 93 of 121

5.1.1.9.1.2 Test RB=75RB



Date: 1.MAY.2018 10:08:43

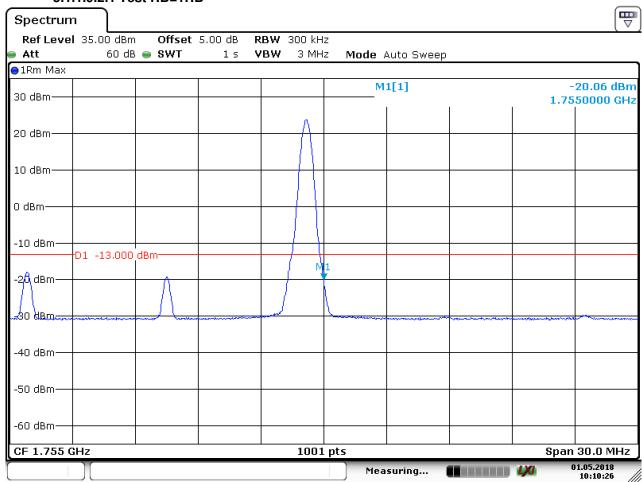


Report No.: SZEM180300241701

Page: 94 of 121

5.1.1.9.2 Test Channel = HCH

5.1.1.9.2.1 Test RB=1RB



Date: 1.MAY.2018 10:10:26



Report No.: SZEM180300241701

Page: 95 of 121

5.1.1.9.2.2 Test RB=75RB



Date: 1.MAY.2018 10:11:43

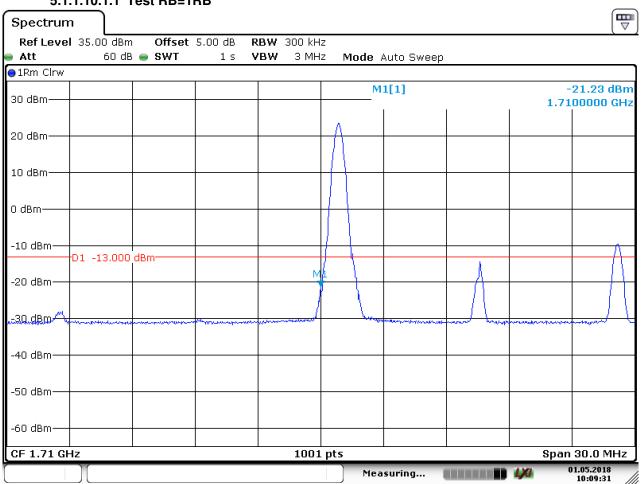


Report No.: SZEM180300241701

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



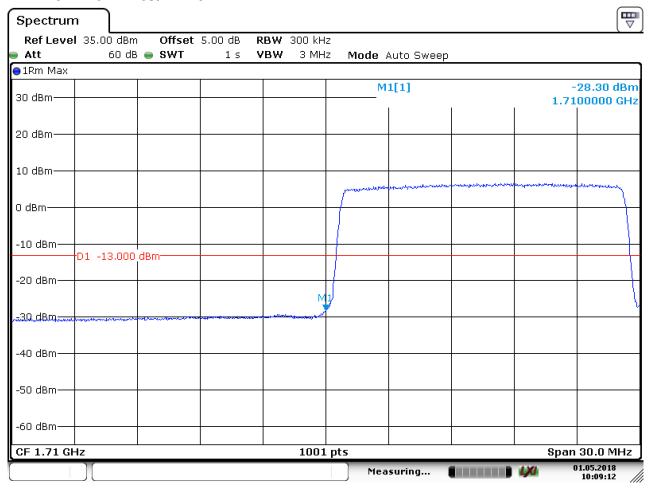
Date: 1.MAY.2018 10:09:31



Report No.: SZEM180300241701

Page: 97 of 121

5.1.1.10.1.2 Test RB=75RB



Date: 1.MAY.2018 10:09:12

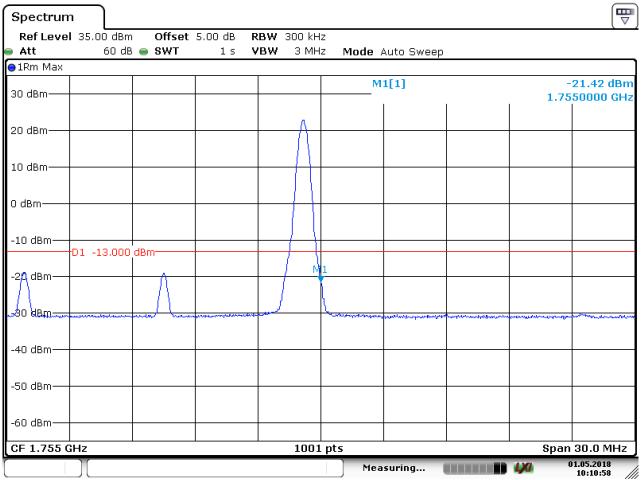


Report No.: SZEM180300241701

Page: 98 of 121

5.1.1.10.2 Test Channel = HCH

5.1.1.10.2.1 Test RB=1RB



Date: 1.MAY.2018 10:10:58



Report No.: SZEM180300241701

Page: 99 of 121

5.1.1.10.2.2 Test RB=75RB



Date: 1.MAY.2018 10:11:17

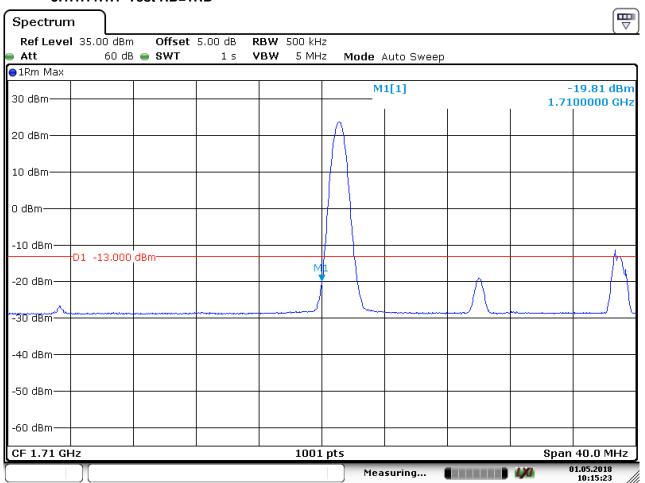


Report No.: SZEM180300241701

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



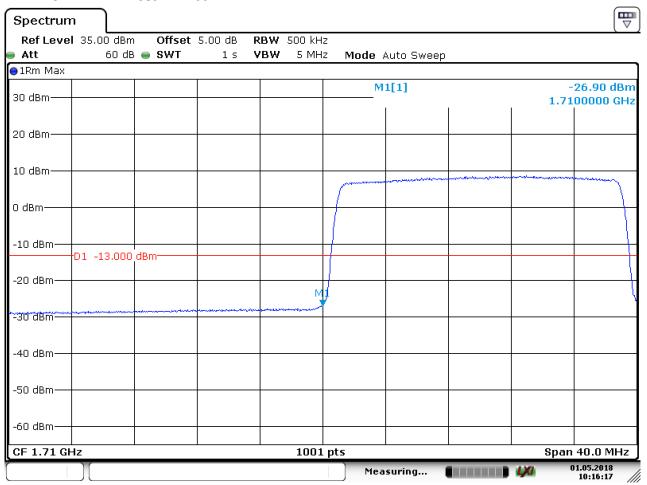
Date: 1.MAY.2018 10:15:23



Report No.: SZEM180300241701

Page: 101 of 121

5.1.1.11.1.2 Test RB=100RB



Date: 1.MAY.2018 10:16:17

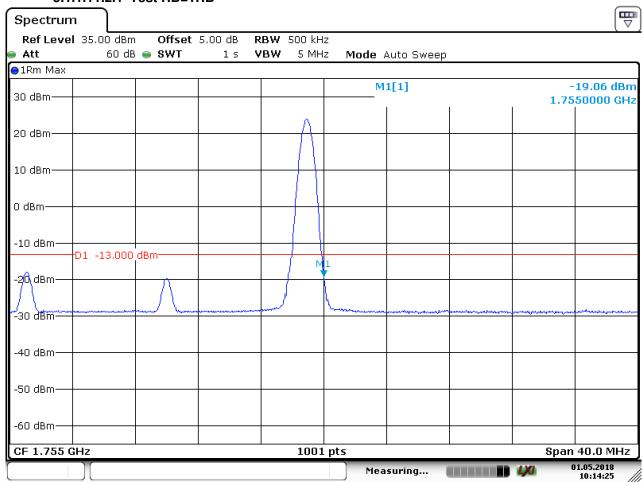


Report No.: SZEM180300241701

Page: 102 of 121

5.1.1.11.2 Test Channel = HCH

5.1.1.11.2.1 Test RB=1RB



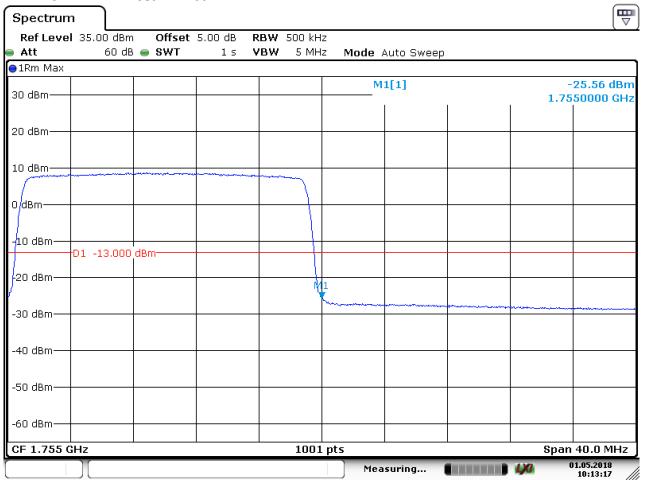
Date: 1.MAY.2018 10:14:25



Report No.: SZEM180300241701

Page: 103 of 121

5.1.1.11.2.2 Test RB=100RB



Date: 1.MAY.2018 10:13:18

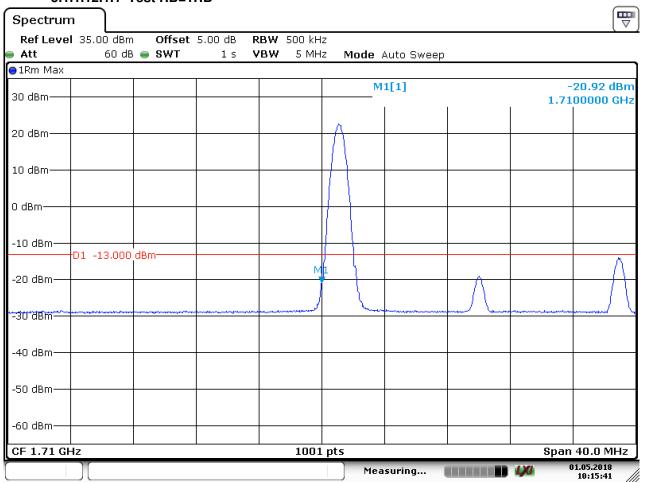


Report No.: SZEM180300241701

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



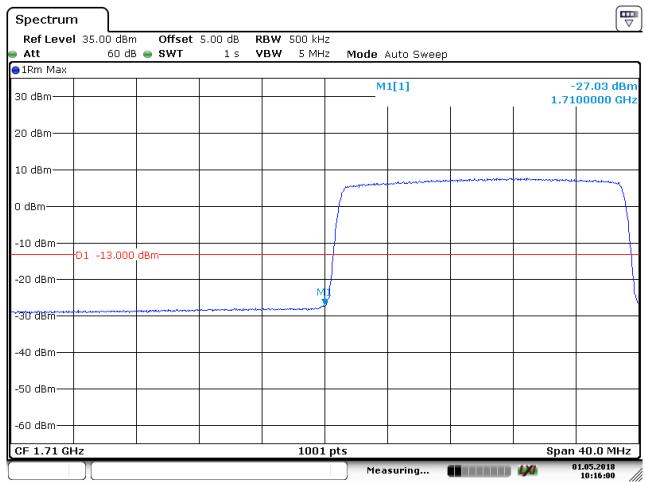
Date: 1.MAY.2018 10:15:42



Report No.: SZEM180300241701

Page: 105 of 121

5.1.1.12.1.2 Test RB=100RB



Date: 1.MAY.2018 10:16:00

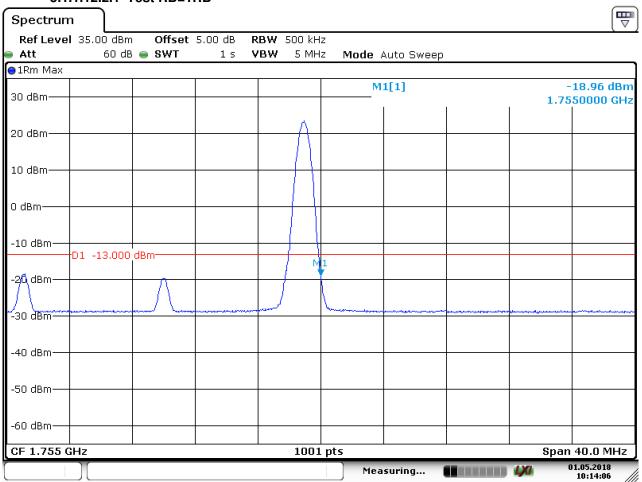


Report No.: SZEM180300241701

Page: 106 of 121

5.1.1.12.2 Test Channel = HCH

5.1.1.12.2.1 Test RB=1RB



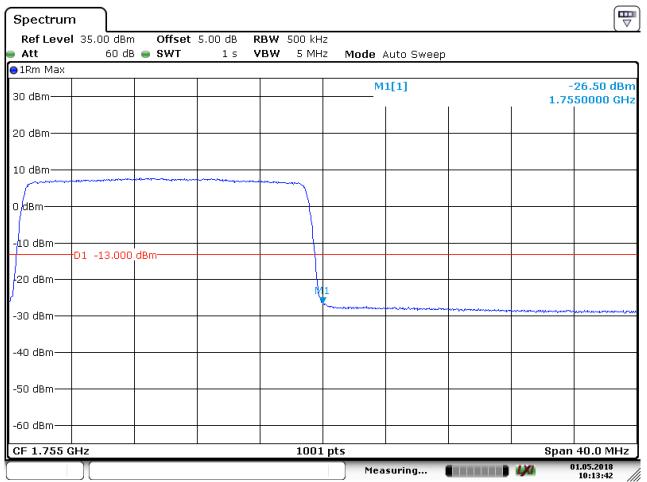
Date: 1.MAY.2018 10:14:06



Report No.: SZEM180300241701

Page: 107 of 121

5.1.1.12.2.2 Test RB=100RB



Date: 1.MAY.2018 10:13:42



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 = 4 * (Span / RBW) with k = 4 * (Span / RBW).

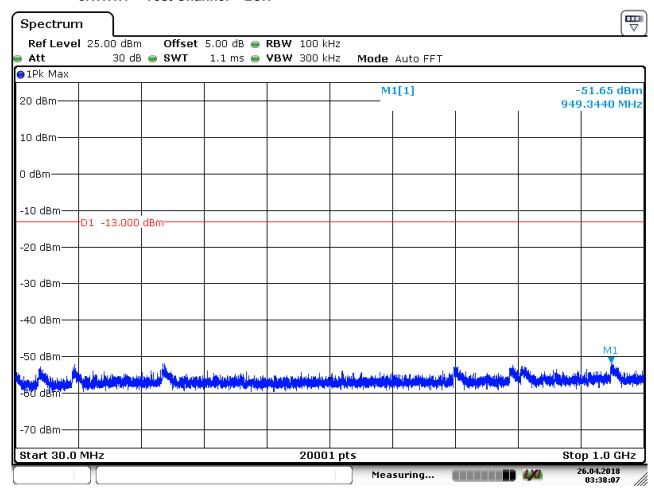
Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = LTE band4

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

6.1.1.1.1 Test Channel = LCH

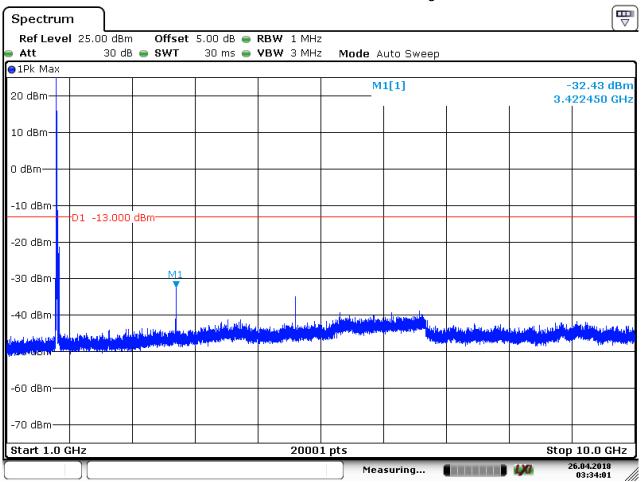


Date: 26.APR.2018 03:38:07



Report No.: SZEM180300241701

Page: 109 of 121

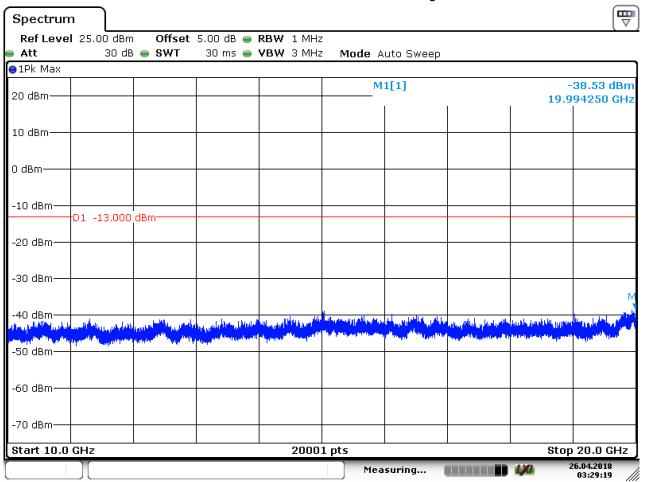


Date: 26.APR.2018 03:34:02



Report No.: SZEM180300241701

Page: 110 of 121



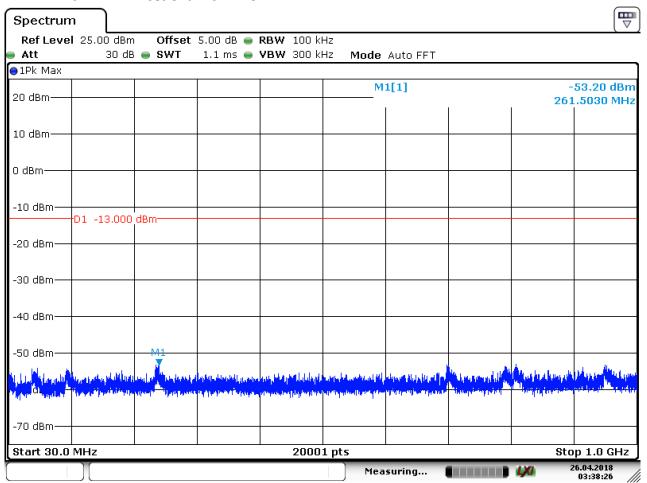
Date: 26.APR.2018 03:29:20



Report No.: SZEM180300241701

Page: 111 of 121

6.1.1.1.2 Test Channel = MCH

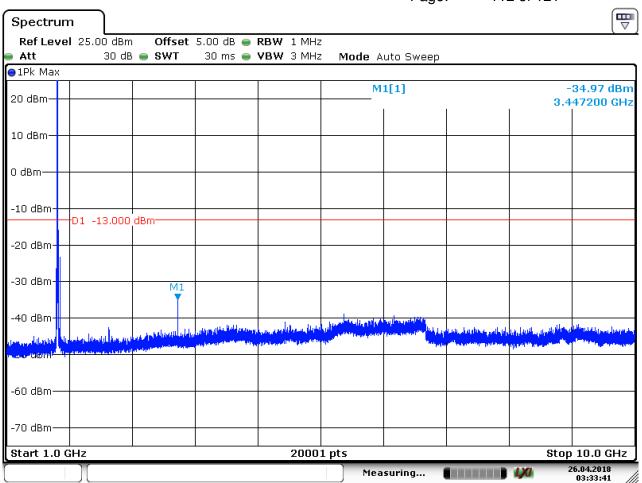


Date: 26.APR.2018 03:38:27



Report No.: SZEM180300241701

Page: 112 of 121

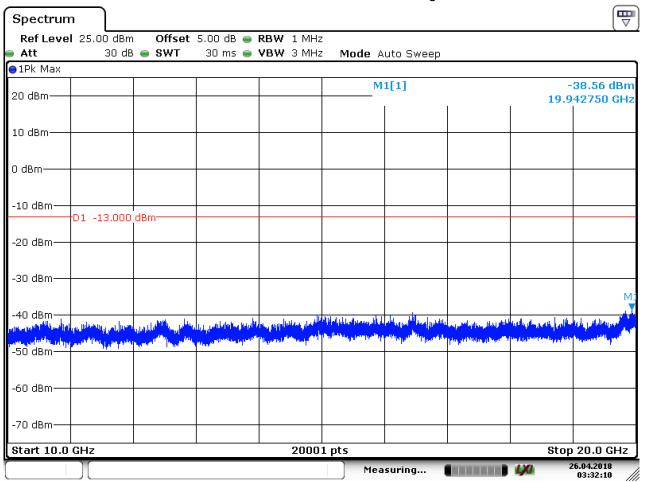


Date: 26.APR.2018 03:33:41



Report No.: SZEM180300241701

Page: 113 of 121



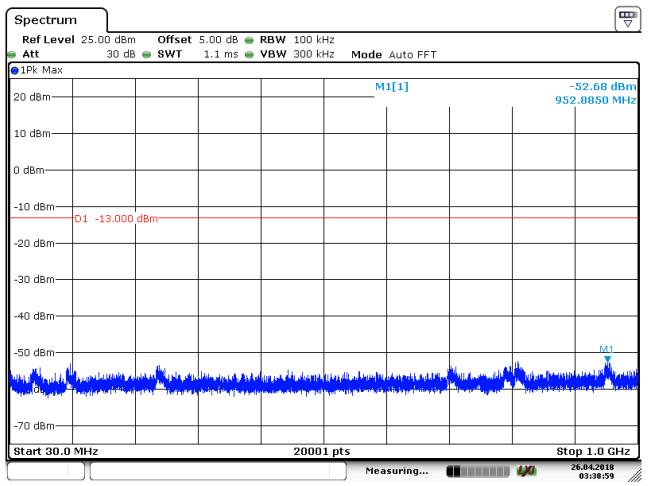
Date: 26.APR.2018 03:32:10



Report No.: SZEM180300241701

Page: 114 of 121

6.1.1.1.3 Test Channel = HCH

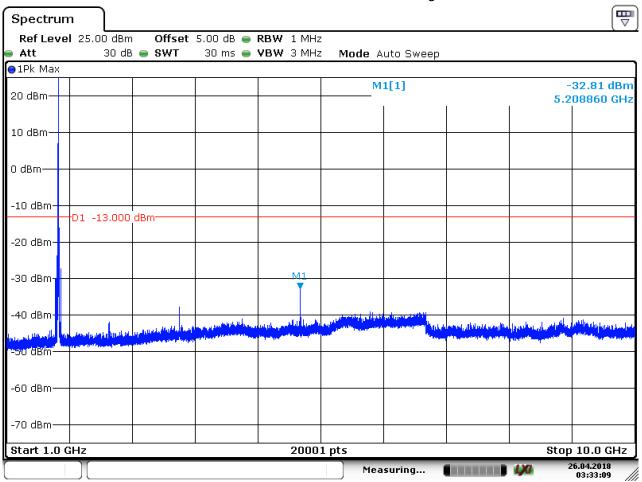


Date: 26.APR.2018 03:39:00



Report No.: SZEM180300241701

Page: 115 of 121

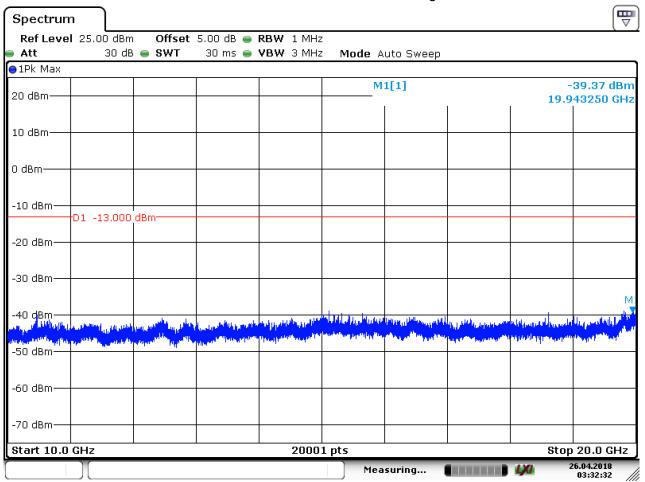


Date: 26.APR.2018 03:33:09



Report No.: SZEM180300241701

Page: 116 of 121



Date: 26.APR.2018 03:32:33



Report No.: SZEM180300241701

Page: 117 of 121

7 Field Strength of Spurious Radiation

7.1 For LTE

7.1.1 Test Band = LTE band4

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

7.1.1.1.1 Test Channel = LCH

7.1.1.1.1 Test Channel = LCH						
Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization		
63.900000	-82.35	-13.00	69.35	Vertical		
144.000000	-70.12	-13.00	57.12	Vertical		
288.000000	-79.65	-13.00	66.65	Vertical		
3421.850000	-58.52	-13.00	45.52	Vertical		
5132.975000	-54.76	-13.00	41.76	Vertical		
8555.550000	-59.88	-13.00	46.88	Vertical		
62.650000	-78.21	-13.00	65.21	Horizontal		
144.000000	-73.41	-13.00	60.41	Horizontal		
288.050000	-81.42	-13.00	68.42	Horizontal		
3421.850000	-60.79	-13.00	47.79	Horizontal		
5133.300000	-63.36	-13.00	50.36	Horizontal		
8555.550000	-48.53	-13.00	35.53	Horizontal		

7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization	
72.300000	-77.01	-13.00	64.01	Vertical	
144.000000	-70.59	-13.00	57.59	Vertical	
288.000000	-78.23	-13.00	65.23	Vertical	
3446.875000	-58.82	-13.00	45.82	Vertical	
5170.675000	-61.78	-13.00	48.78	Vertical	
8617.950000	-57.83	-13.00	44.83	Vertical	
56.850000	-77.94	-13.00	64.94	Horizontal	
144.000000	-74.29	-13.00	61.29	Horizontal	
460.770833	-84.53	-13.00	71.53	Horizontal	
3446.875000	-58.78	-13.00	45.78	Horizontal	
5170.675000	-67.02	-13.00	54.02	Horizontal	
8617.950000	-44.91	-13.00	31.91	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
63.200000	-82.68	-13.00	69.68	Vertical
144.000000	-69.56	-13.00	56.56	Vertical
288.000000	-77.65	-13.00	64.65	Vertical
3471.900000	-65.01	-13.00	52.01	Vertical
5208.050000	-49.12	-13.00	36.12	Vertical
8680.350000	-58.62	-13.00	45.62	Vertical
62.650000	-76.98	-13.00	63.98	Horizontal
144.000000	-73.58	-13.00	60.58	Horizontal
288.000000	-82.22	-13.00	69.22	Horizontal
3471.900000	-64.81	-13.00	51.81	Horizontal
5208.050000	-59.64	-13.00	46.64	Horizontal
8680.350000	-47.36	-13.00	34.36	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	-1.07	-0.00062	PASS
				VN	4.89	0.00284	PASS
				VH	-3.95	-0.00229	PASS
			TN	VL	-7.39	-0.00426	PASS
	LTE/TM1 20MHz	MCH		VN	-0.86	-0.00050	PASS
				VH	7.97	0.00460	PASS
		НСН	TN	VL	-6.06	-0.00347	PASS
				VN	3.92	0.00225	PASS
LTEband4				VH	0.29	0.00016	PASS
LTEDANU4	LTE/TM2 20MHz	LCH	TN	VL	-1.48	-0.00086	PASS
				VN	-5.19	-0.00302	PASS
				VH	-2.79	-0.00162	PASS
		МСН	TN	VL	7.23	0.00417	PASS
				VN	-2.99	-0.00172	PASS
				VH	6.81	0.00393	PASS
		HCH Ti	TN	VL	-0.46	-0.00027	PASS
				VN	3.39	0.00194	PASS
				VH	-1.07	-0.00062	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	-3.46	-0.00201	PASS
				-20	5.41	0.00315	PASS
				-10	8.32	0.00484	PASS
				0	-8.21	-0.00477	PASS
		LCH	VN	10	-8.47	-0.00492	PASS
				20	9.90	0.00576	PASS
				30	3.67	0.00214	PASS
				40	-7.91	-0.00460	PASS
				50	-9.32	-0.00542	PASS
	LTE/TM1 20MHz	МСН	VN	-30	-0.46	-0.00026	PASS
				-20	-2.37	-0.00137	PASS
				-10	9.74	0.00562	PASS
				0	7.96	0.00460	PASS
LTEband4				10	2.05	0.00119	PASS
				20	-8.66	-0.00500	PASS
				30	5.59	0.00323	PASS
				40	9.32	0.00538	PASS
				50	7.01	0.00405	PASS
				-30	7.28	0.00417	PASS
				-20	-1.14	-0.00065	PASS
				-10	-2.82	-0.00162	PASS
		НСН		0	4.15	0.00238	PASS
			VN	10	-5.41	-0.00310	PASS
				20	-6.76	-0.00387	PASS
				30	-5.75	-0.00330	PASS
				40	0.56	0.00032	PASS
				50	-0.02	-0.00001	PASS



Report No.: SZEM180300241701

Page: 121 of 121

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-30	-0.50	-0.00027	PASS
				-20	-2.45	-0.00132	PASS
				-10	3.38	0.00182	PASS
				0	2.64	0.00142	PASS
		LCH	VN	10	1.60	0.00086	PASS
				20	-0.23	-0.00012	PASS
				30	-0.44	-0.00024	PASS
				40	5.34	0.00287	PASS
				50	0.79	0.00042	PASS
	LTE/TM2 20MHz	МСН		-30	-3.80	-0.00202	PASS
			VN	-20	-5.38	-0.00286	PASS
				-10	-7.29	-0.00388	PASS
				0	-4.32	-0.00230	PASS
LTEband4				10	-0.34	-0.00018	PASS
				20	1.74	0.00093	PASS
				30	-3.64	-0.00194	PASS
				40	-2.62	-0.00139	PASS
				50 -3.91 -0.00208	-0.00208	PASS	
				-30	1.34	0.00071	PASS
				-20	-2.55	-0.00134	PASS
				-10	1.59	0.00084	PASS
		НСН		0	-3.73	-0.00196	PASS
			VN	10	2.88	0.00152	PASS
				20	-1.47	-0.00077	PASS
				30	-2.59	-0.00136	PASS
				40	-4.33	-0.00228	PASS
				50	-7.60	-0.00400	PASS

The End