



Appendix B

Test Data for SZEM170100023101



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1 Effective (Isotropic) Radiated Power Output Data

Effective Radiated Power of Transmitter (ERP) for LTE BAND 17

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND17	LTE/TM1	5M	LCH	RB1#0	22.68	21.08	34.70	PASS
				RB1#13	22.71	21.11	34.70	PASS
				RB1#24	22.60	21.00	34.70	PASS
				RB12#0	21.69	20.09	34.70	PASS
				RB12#6	21.64	20.04	34.70	PASS
				RB12#13	21.61	20.01	34.70	PASS
				RB25#0	21.63	20.03	34.70	PASS
			MCH	RB1#0	22.55	20.95	34.70	PASS
				RB1#13	22.60	21.00	34.70	PASS
				RB1#24	22.52	20.92	34.70	PASS
				RB12#0	21.59	19.99	34.70	PASS
				RB12#6	21.58	19.98	34.70	PASS
				RB12#13	21.56	19.96	34.70	PASS
				RB25#0	21.61	20.01	34.70	PASS
			HCH	RB1#0	22.72	21.12	34.70	PASS
				RB1#13	22.74	21.14	34.70	PASS
				RB1#24	22.59	20.99	34.70	PASS
				RB12#0	21.71	20.11	34.70	PASS
				RB12#6	21.68	20.08	34.70	PASS
				RB12#13	21.69	20.09	34.70	PASS
				RB25#0	21.66	20.06	34.70	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND17	LTE/TM2	5M	LCH	RB1#0	21.96	20.36	34.70	PASS
				RB1#13	21.95	20.35	34.70	PASS
				RB1#24	21.86	20.26	34.70	PASS
				RB12#0	20.76	19.16	34.70	PASS
				RB12#6	20.80	19.20	34.70	PASS
				RB12#13	20.71	19.11	34.70	PASS
				RB25#0	20.67	19.07	34.70	PASS
			MCH	RB1#0	21.96	20.36	34.70	PASS
				RB1#13	21.99	20.39	34.70	PASS
				RB1#24	21.88	20.28	34.70	PASS
				RB12#0	20.69	19.09	34.70	PASS
				RB12#6	20.71	19.11	34.70	PASS
				RB12#13	20.62	19.02	34.70	PASS
				RB25#0	20.65	19.05	34.70	PASS
			HCH	RB1#0	21.97	20.37	34.70	PASS
				RB1#13	21.98	20.38	34.70	PASS
				RB1#24	21.81	20.21	34.70	PASS
				RB12#0	20.72	19.12	34.70	PASS
				RB12#6	20.67	19.07	34.70	PASS
				RB12#13	20.66	19.06	34.70	PASS
				RB25#0	20.72	19.12	34.70	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND17	LTE/TM3	5M	LCH	RB1#0	21.23	19.63	34.70	PASS
				RB1#13	21.27	19.67	34.70	PASS
				RB1#24	21.22	19.62	34.70	PASS
				RB12#0	19.85	18.25	34.70	PASS
				RB12#6	19.83	18.23	34.70	PASS
				RB12#13	19.78	18.18	34.70	PASS
				RB25#0	19.70	18.10	34.70	PASS
			MCH	RB1#0	20.87	19.27	34.70	PASS
				RB1#13	20.93	19.33	34.70	PASS
				RB1#24	20.86	19.26	34.70	PASS
				RB12#0	19.62	18.02	34.70	PASS
				RB12#6	19.66	18.06	34.70	PASS
				RB12#13	19.61	18.01	34.70	PASS
				RB25#0	19.58	17.98	34.70	PASS
			HCH	RB1#0	20.80	19.20	34.70	PASS
				RB1#13	20.78	19.18	34.70	PASS
				RB1#24	20.74	19.14	34.70	PASS
				RB12#0	19.79	18.19	34.70	PASS
				RB12#6	19.83	18.23	34.70	PASS
				RB12#13	19.71	18.11	34.70	PASS
				RB25#0	19.73	18.13	34.70	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND17	LTE/TM1	10M	LCH	RB1#0	22.68	21.08	34.70	PASS
				RB1#25	22.57	20.97	34.70	PASS
				RB1#49	22.51	20.91	34.70	PASS
				RB25#0	21.67	20.07	34.70	PASS
				RB25#13	21.62	20.02	34.70	PASS
				RB25#25	21.54	19.94	34.70	PASS
				RB50#0	21.61	20.01	34.70	PASS
			MCH	RB1#0	22.62	21.02	34.70	PASS
				RB1#25	22.48	20.88	34.70	PASS
				RB1#49	22.41	20.81	34.70	PASS
				RB25#0	21.65	20.05	34.70	PASS
				RB25#13	21.61	20.01	34.70	PASS
				RB25#25	21.58	19.98	34.70	PASS
				RB50#0	21.62	20.02	34.70	PASS
			HCH	RB1#0	22.58	20.98	34.70	PASS
				RB1#25	22.45	20.85	34.70	PASS
				RB1#49	22.41	20.81	34.70	PASS
				RB25#0	21.65	20.05	34.70	PASS
				RB25#13	21.63	20.03	34.70	PASS
				RB25#25	21.59	19.99	34.70	PASS
				RB50#0	21.60	20.00	34.70	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND17	LTE/TM2	10M	LCH	RB1#0	21.96	20.36	34.70	PASS
				RB1#25	21.82	20.22	34.70	PASS
				RB1#49	21.77	20.17	34.70	PASS
				RB25#0	20.69	19.09	34.70	PASS
				RB25#13	20.64	19.04	34.70	PASS
				RB25#25	20.61	19.01	34.70	PASS
				RB50#0	20.65	19.05	34.70	PASS
			MCH	RB1#0	21.89	20.29	34.70	PASS
				RB1#25	21.78	20.18	34.70	PASS
				RB1#49	21.71	20.11	34.70	PASS
				RB25#0	20.59	18.99	34.70	PASS
				RB25#13	20.58	18.98	34.70	PASS
				RB25#25	20.55	18.95	34.70	PASS
				RB50#0	20.58	18.98	34.70	PASS
			HCH	RB1#0	21.98	20.38	34.70	PASS
				RB1#25	21.91	20.31	34.70	PASS
				RB1#49	21.83	20.23	34.70	PASS
				RB25#0	20.68	19.08	34.70	PASS
				RB25#13	20.62	19.02	34.70	PASS
				RB25#25	20.56	18.96	34.70	PASS
				RB50#0	20.63	19.03	34.70	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND17	LTE/TM3	10M	LCH	RB1#0	20.96	19.36	34.70	PASS
				RB1#25	20.84	19.24	34.70	PASS
				RB1#49	20.78	19.18	34.70	PASS
				RB25#0	19.67	18.07	34.70	PASS
				RB25#13	19.63	18.03	34.70	PASS
				RB25#25	19.56	17.96	34.70	PASS
				RB50#0	19.68	18.08	34.70	PASS
			MCH	RB1#0	20.54	18.94	34.70	PASS
				RB1#25	20.51	18.91	34.70	PASS
				RB1#49	20.36	18.76	34.70	PASS
				RB25#0	19.76	18.16	34.70	PASS
				RB25#13	19.72	18.12	34.70	PASS
				RB25#25	19.67	18.07	34.70	PASS
				RB50#0	19.66	18.06	34.70	PASS
			HCH	RB1#0	21.18	19.58	34.70	PASS
				RB1#25	21.13	19.53	34.70	PASS
				RB1#49	21.08	19.48	34.70	PASS
				RB25#0	19.66	18.06	34.70	PASS
				RB25#13	19.69	18.09	34.70	PASS
				RB25#25	19.62	18.02	34.70	PASS
				RB50#0	19.64	18.04	34.70	PASS

Note:

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

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

b: SGP=Signal Generator Level

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

Detector: RMS

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2 Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
Band 17	TM1/10M	LCH	4.67	13	PASS
		MCH	4.67	13	PASS
		HCH	4.67	13	PASS
	TM2/10M	LCH	5.59	13	PASS
		MCH	5.57	13	PASS
		HCH	5.59	13	PASS
	TM3/10M	LCH	6.14	13	PASS
		MCH	6.23	13	PASS
		HCH	6.14	13	PASS



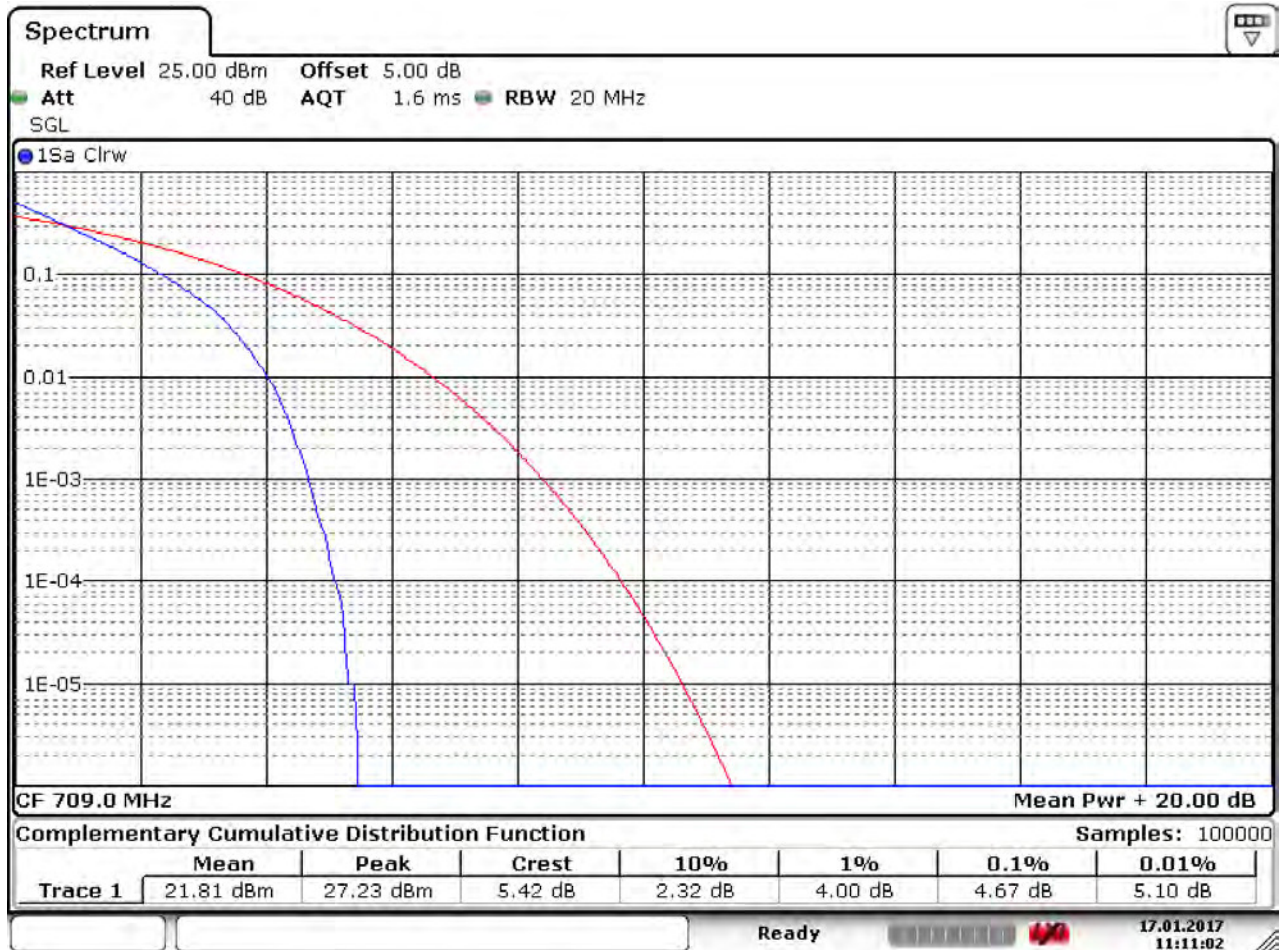
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band17

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

2.1.1.1.1 Test Channel = LCH

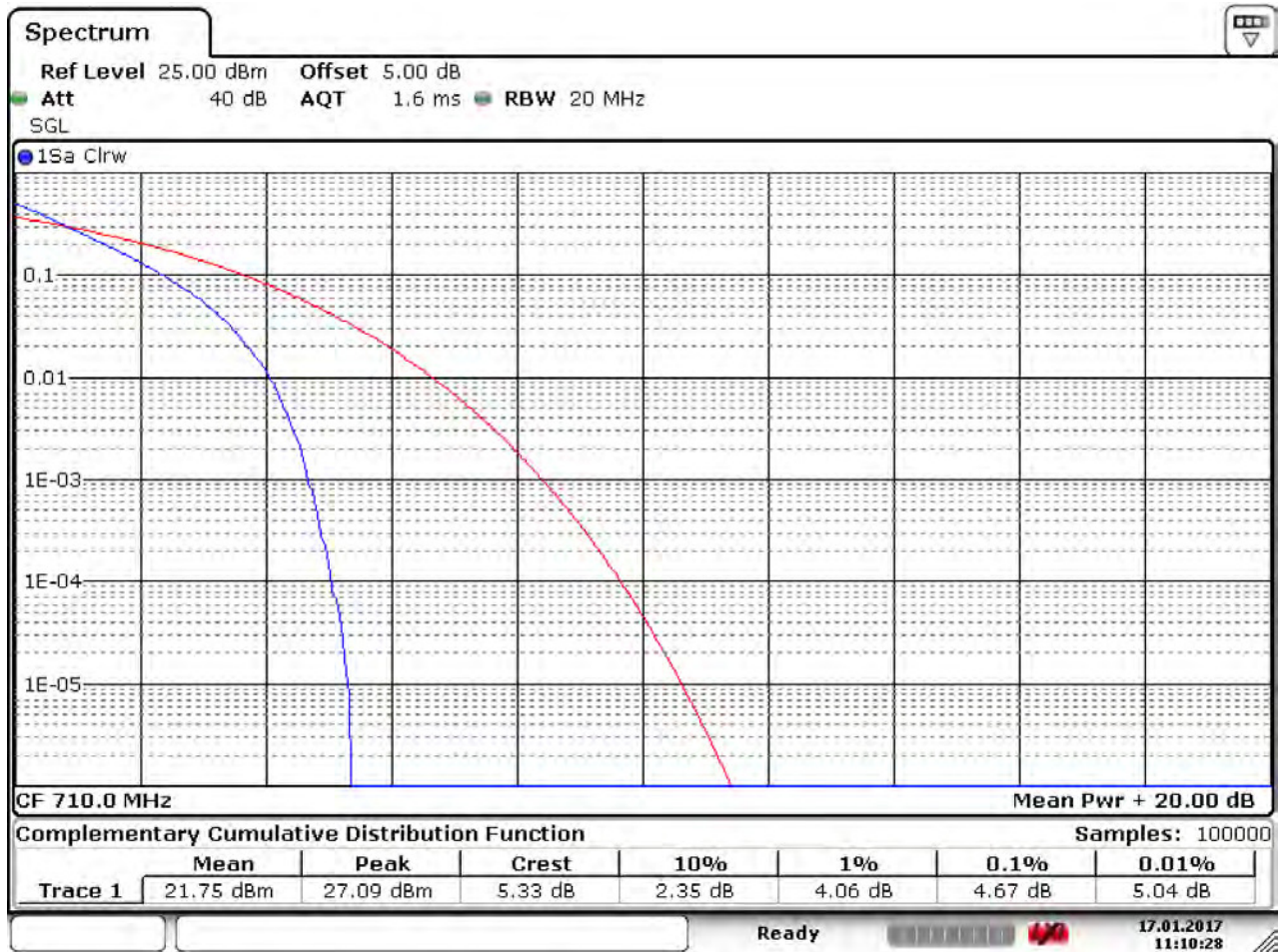


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2.1.1.1.2 Test Channel = MCH

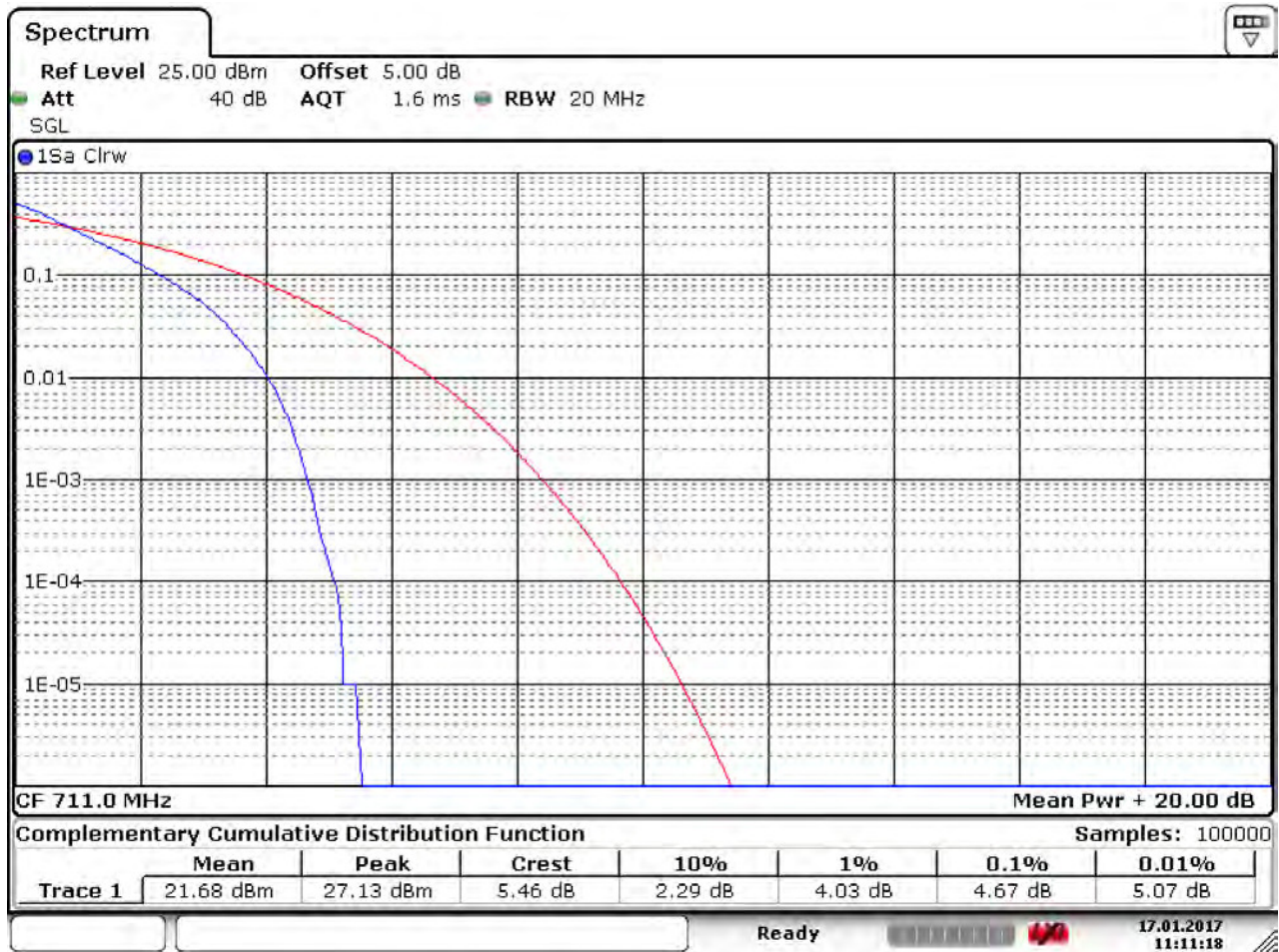


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2.1.1.1.3 Test Channel = HCH



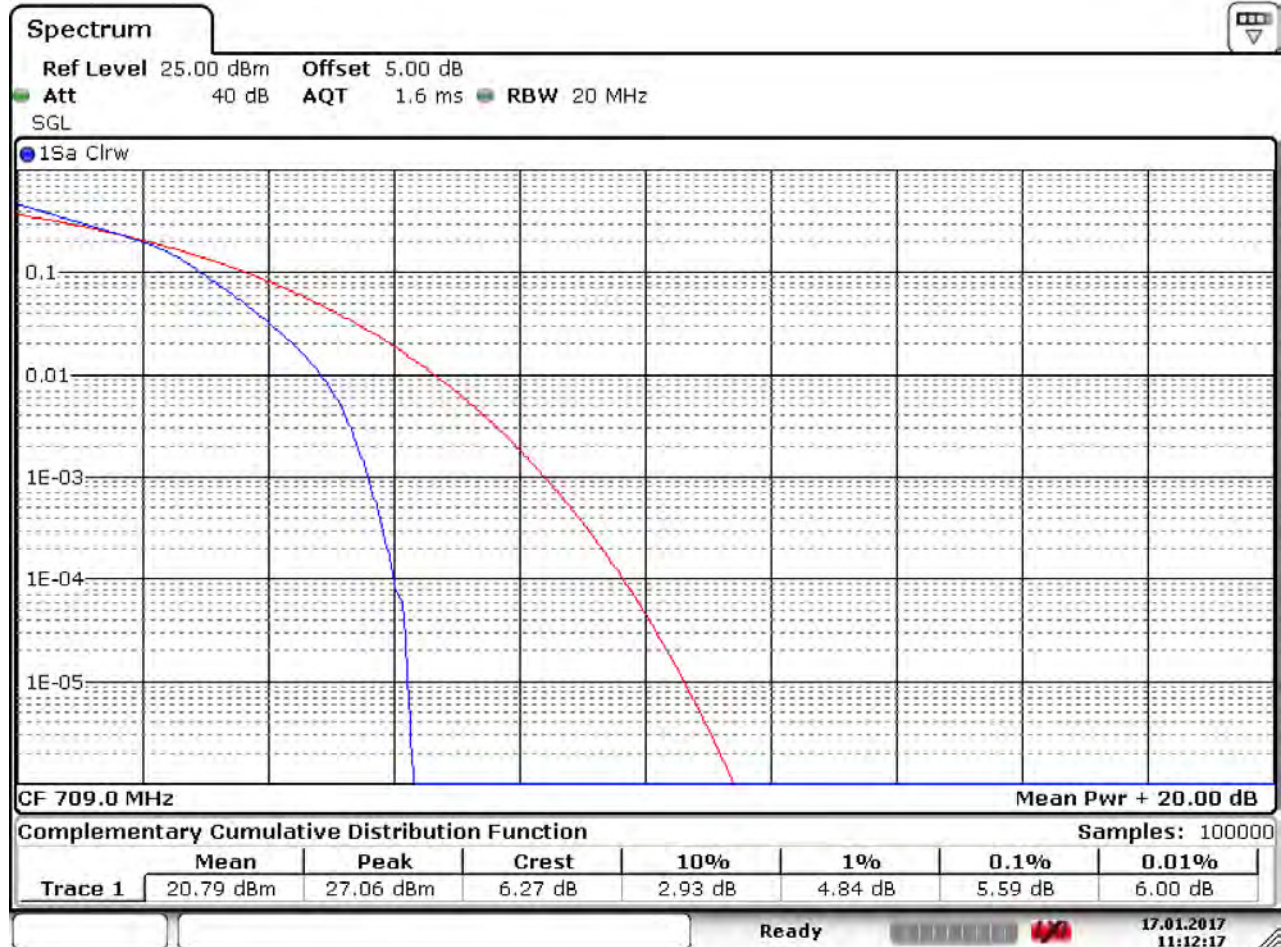
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2.1.1.2 Test Mode = LTE/TM2.Bandwidth=10MHz

2.1.1.2.1 Test Channel = LCH



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2.1.1.2.2 Test Channel = MCH

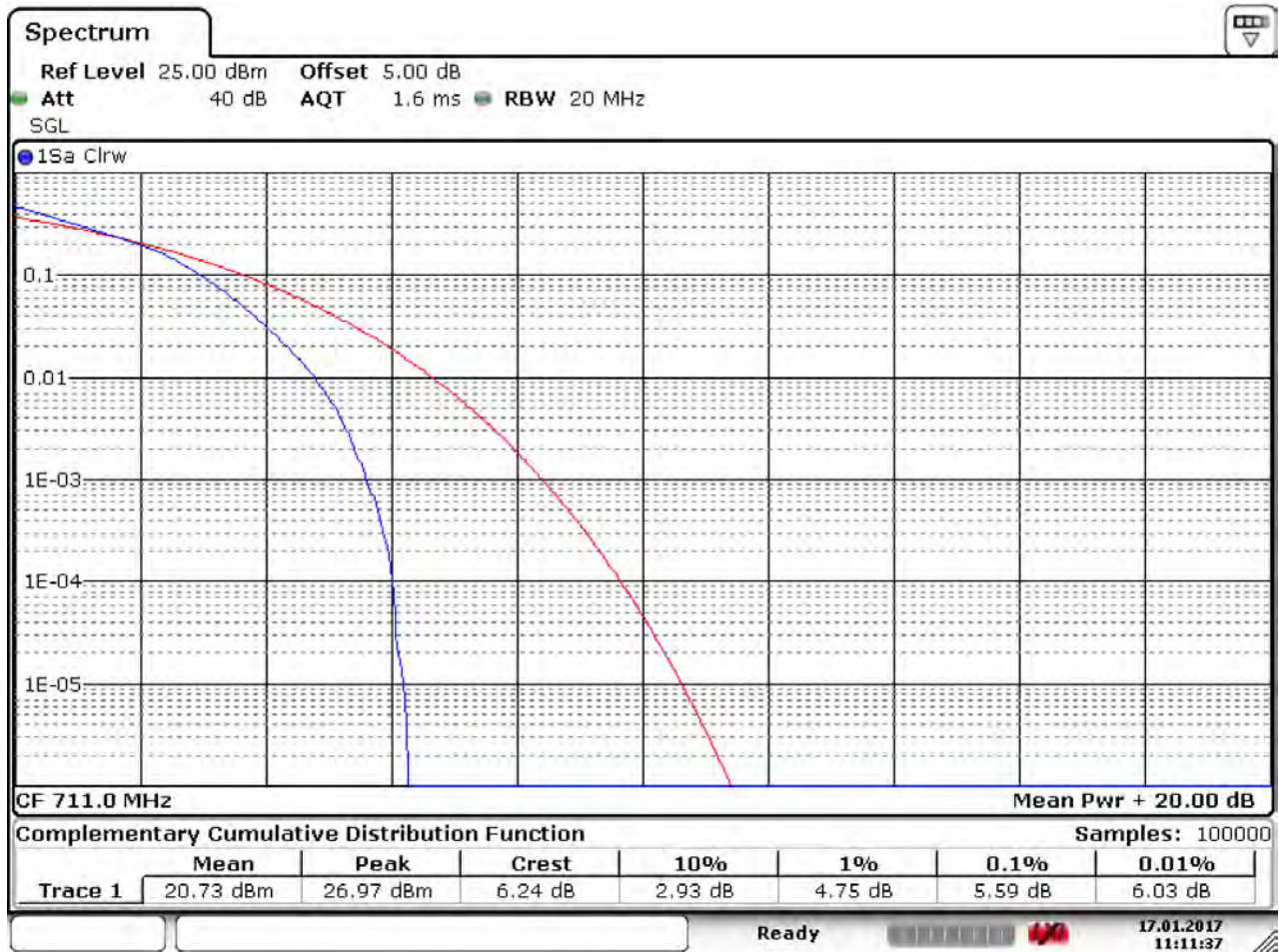


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2.1.1.2.3 Test Channel = HCH



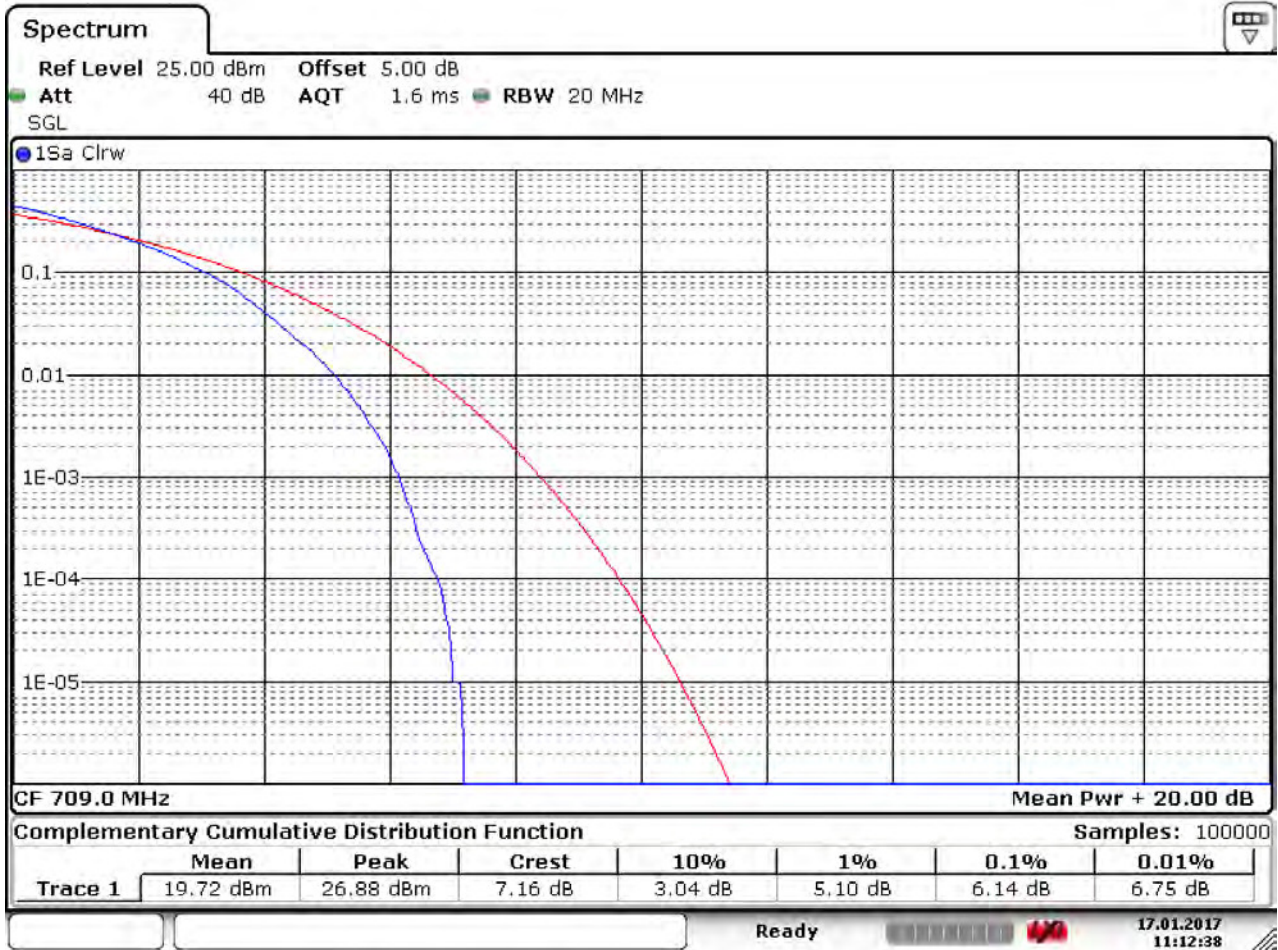
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2.1.1.3 Test Mode = LTE/TM3.Bandwidth=10MHz

2.1.1.3.1 Test Channel = LCH

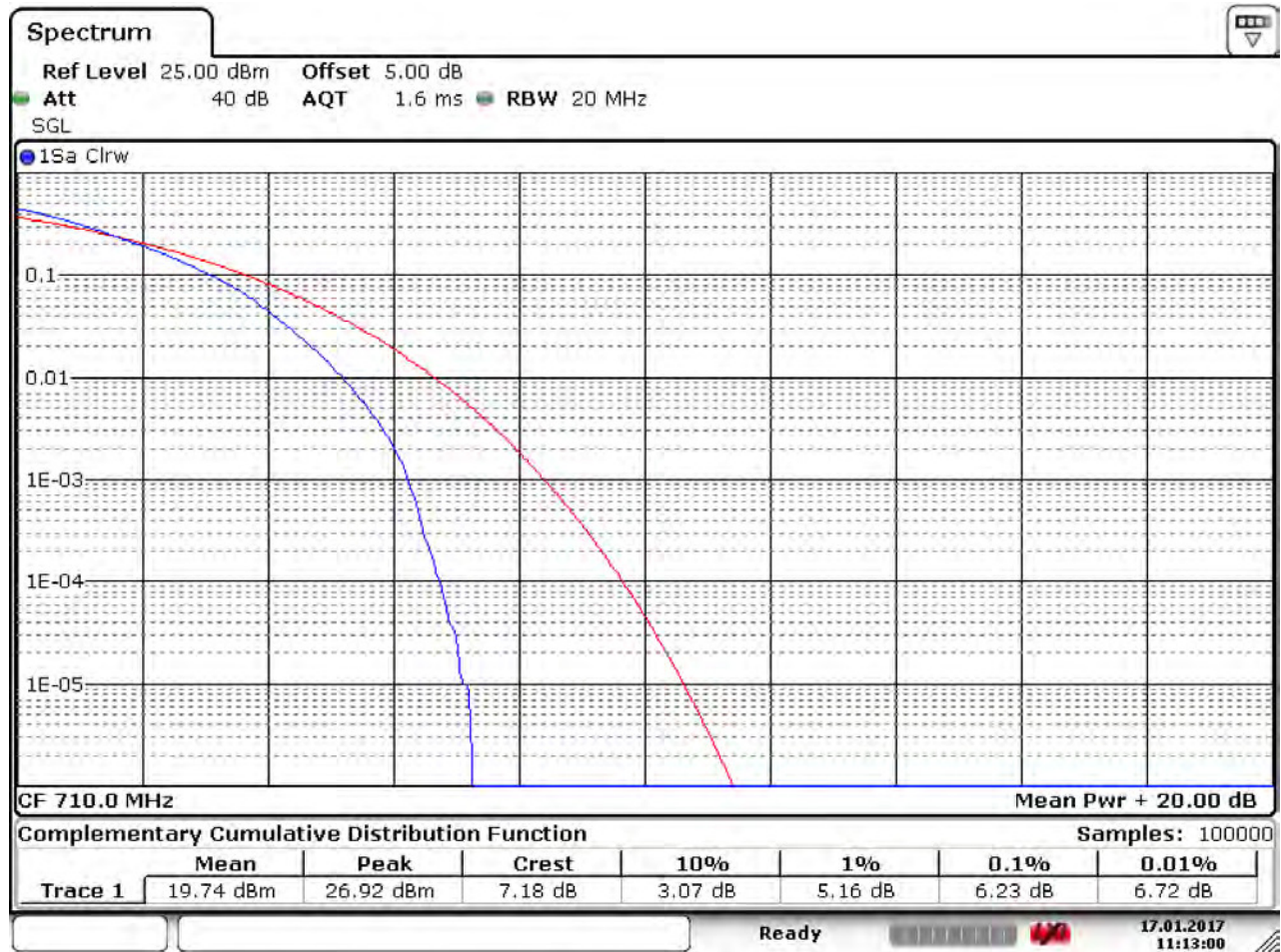


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2.1.1.3.2 Test Channel = MCH

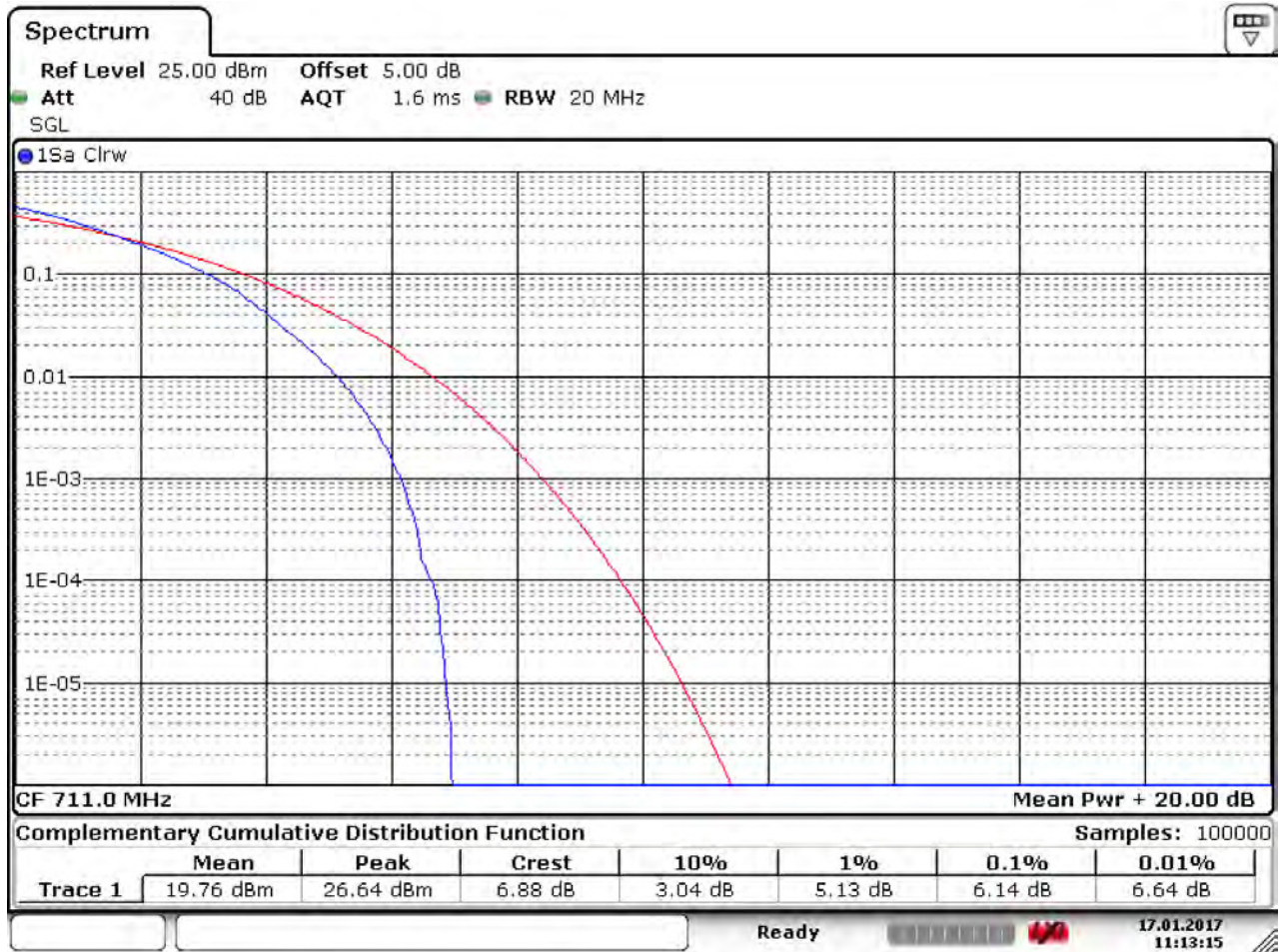


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2.1.1.3.3 Test Channel = HCH



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3 Modulation Characteristics

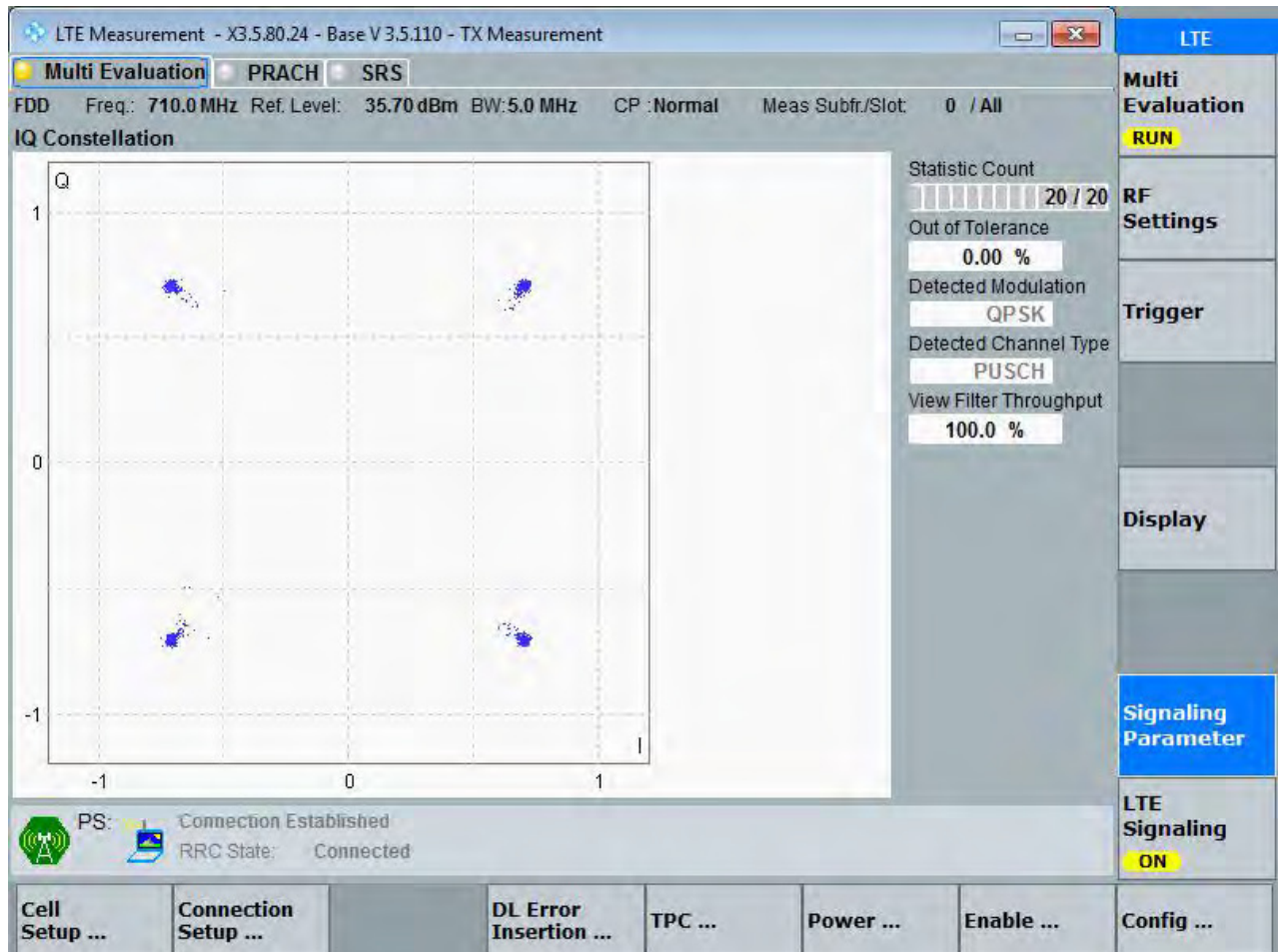
Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = LTE band17

3.1.1.1 Test Mode = LTE /TM1 5MHz

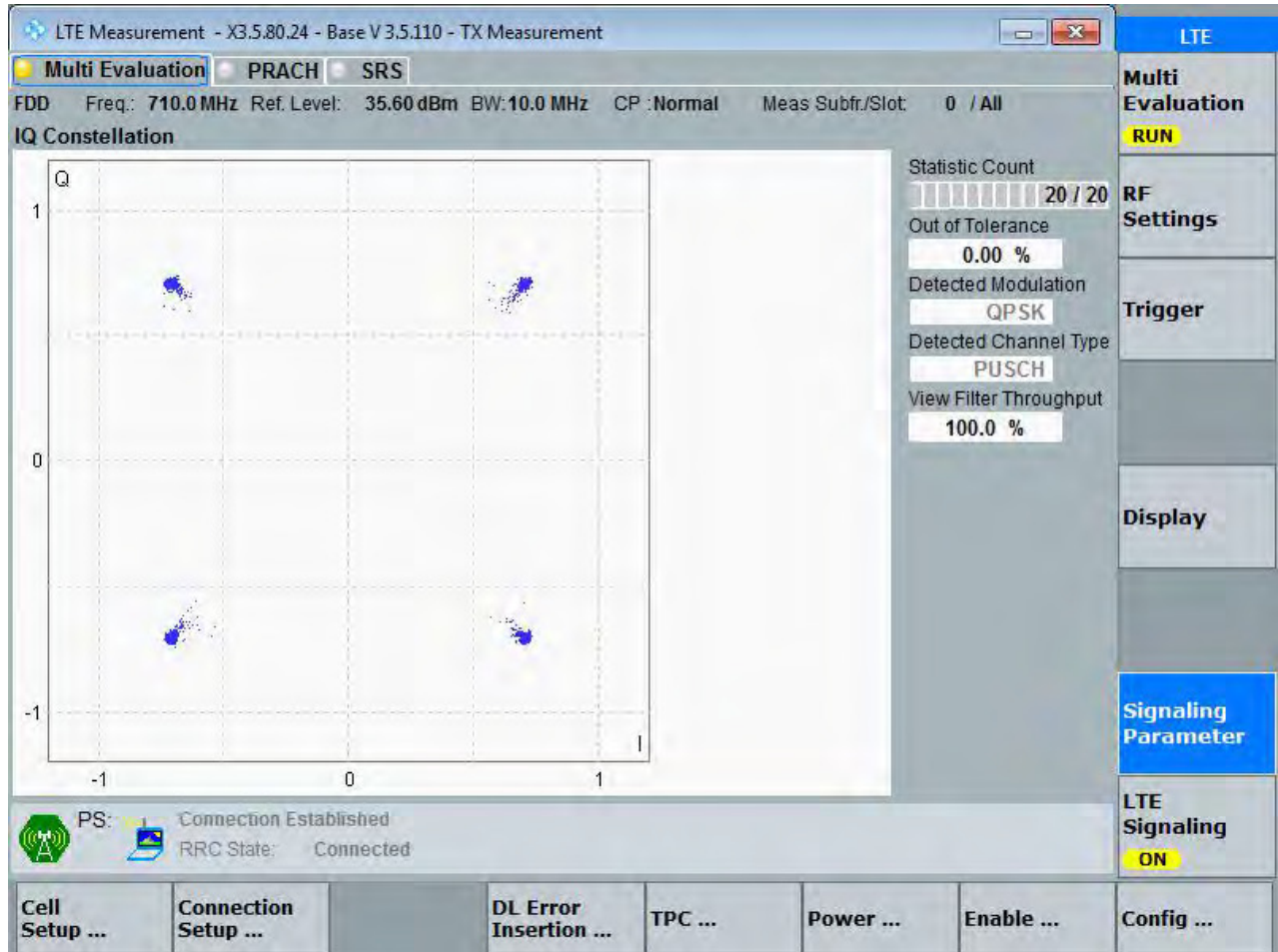
3.1.1.1.1 Test Channel = MCH





3.1.1.2 Test Mode = LTE /TM1 10MHz

3.1.1.2.1 Test Channel = MCH

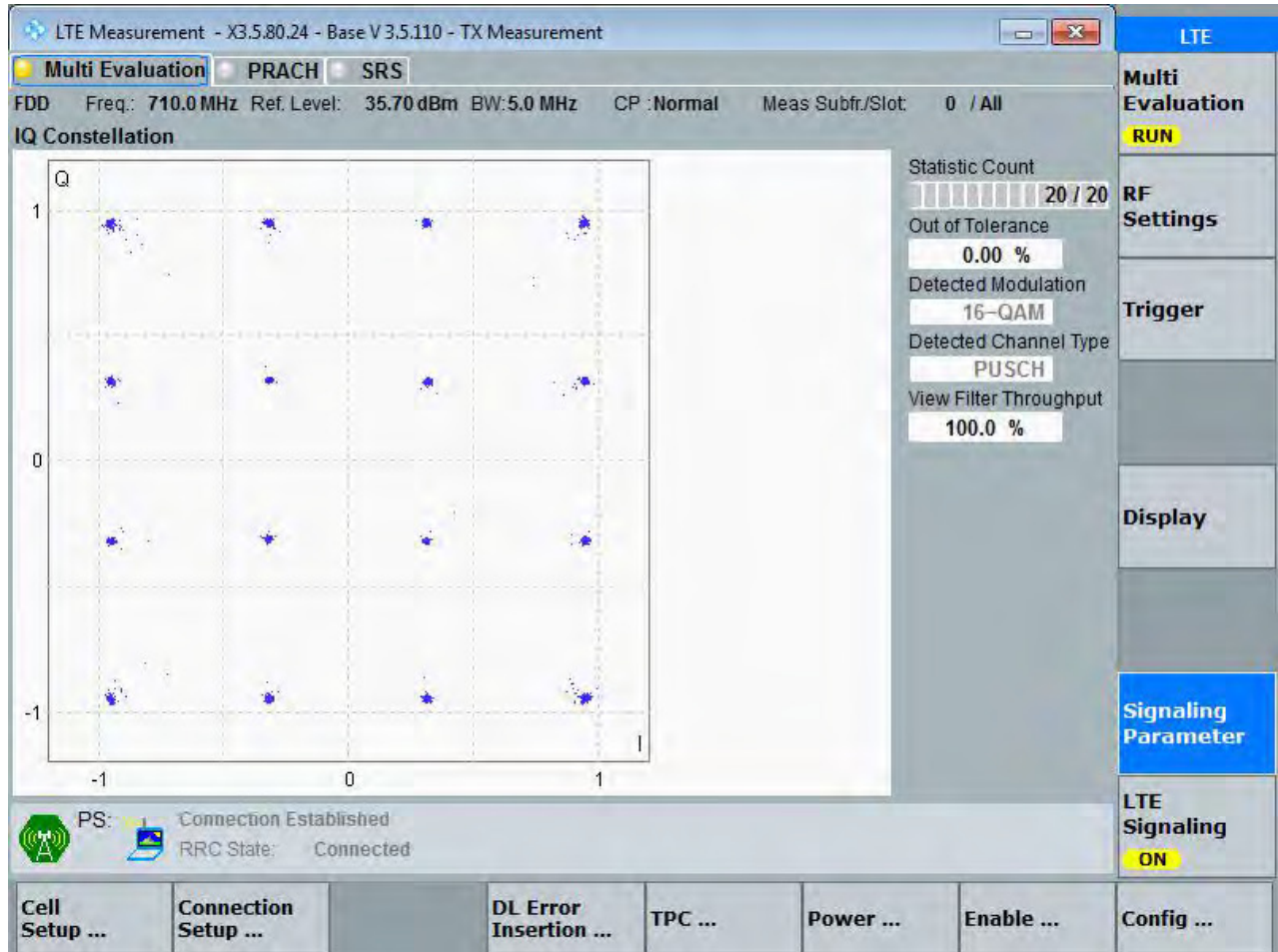


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3.1.1.3 Test Mode = LTE /TM2 5MHz

3.1.1.3.1 Test Channel = MCH

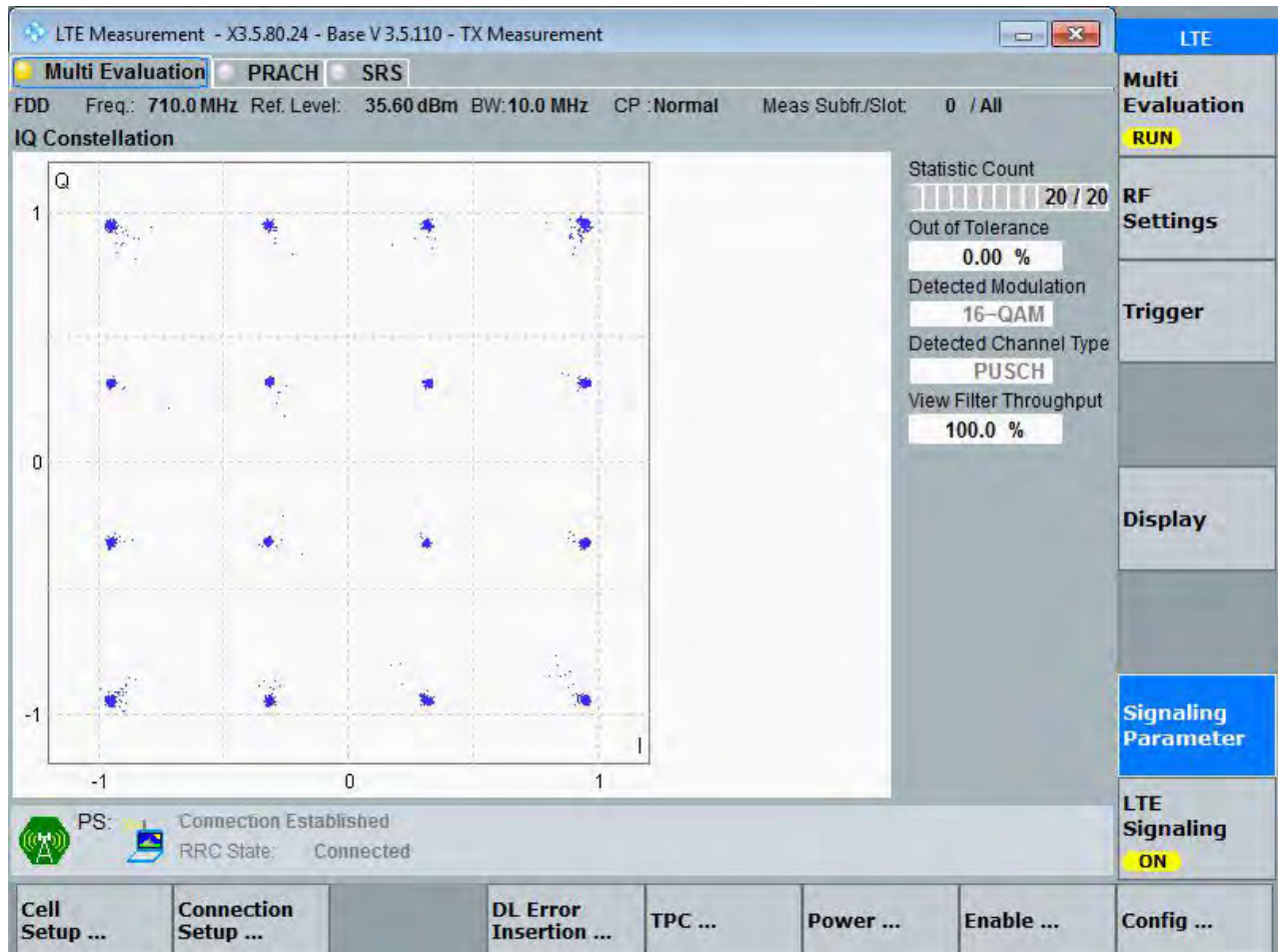


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3.1.1.4 Test Mode = LTE /TM2 10MHz

3.1.1.4.1 Test Channel = MCH



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3.1.1.5 Test Mode = LTE /TM3 5MHz

3.1.1.5.1 Test Channel = MCH

The screenshot displays the 'LTE Measurement' software interface. The main window title is 'LTE Measurement - X3.5.80.24 - Base V 3.5.110 - TX Measurement'. The interface is divided into several sections:

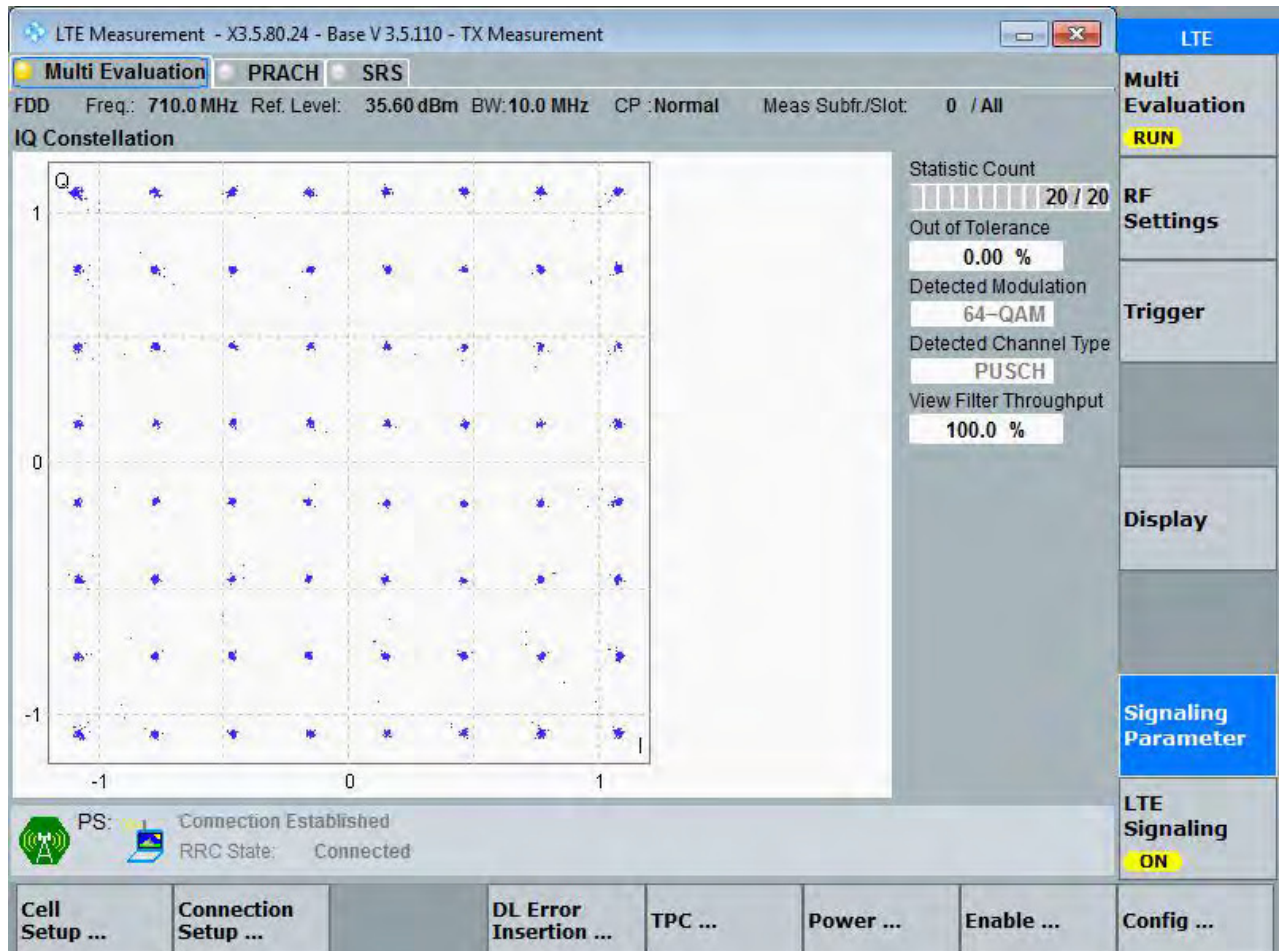
- Top Bar:** Shows 'Multi Evaluation', 'PRACH', and 'SRS' tabs. Below this, it indicates 'FDD', 'Freq: 710.0 MHz', 'Ref. Level: 35.70 dBm', 'BW: 5.0 MHz', 'CP: Normal', and 'Meas Subfr./Slot: 0 / All'.
- IQ Constellation:** A central plot showing a grid of points in the complex plane, with axes labeled 'Q' (vertical) and 'I' (horizontal), ranging from -1 to 1.
- Statistic Count:** A progress bar showing '20 / 20'.
- Out of Tolerance:** A field showing '0.00 %'.
- Detected Modulation:** A field showing '64-QAM'.
- Detected Channel Type:** A field showing 'PUSCH'.
- View Filter Throughput:** A field showing '100.0 %'.
- Right Panel:** A vertical sidebar with buttons for 'LTE', 'Multi Evaluation', 'RUN', 'RF Settings', 'Trigger', 'Display', 'Signaling Parameter', and 'LTE Signaling ON'.
- Bottom Bar:** Shows 'PS: Connection Established' and 'RRC State: Connected'. Below this is a row of buttons: 'Cell Setup ...', 'Connection Setup ...', 'DL Error Insertion ...', 'TPC ...', 'Power ...', 'Enable ...', and 'Config ...'.

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3.1.1.6 Test Mode = LTE /TM3 10MHz

3.1.1.6.1 Test Channel = MCH



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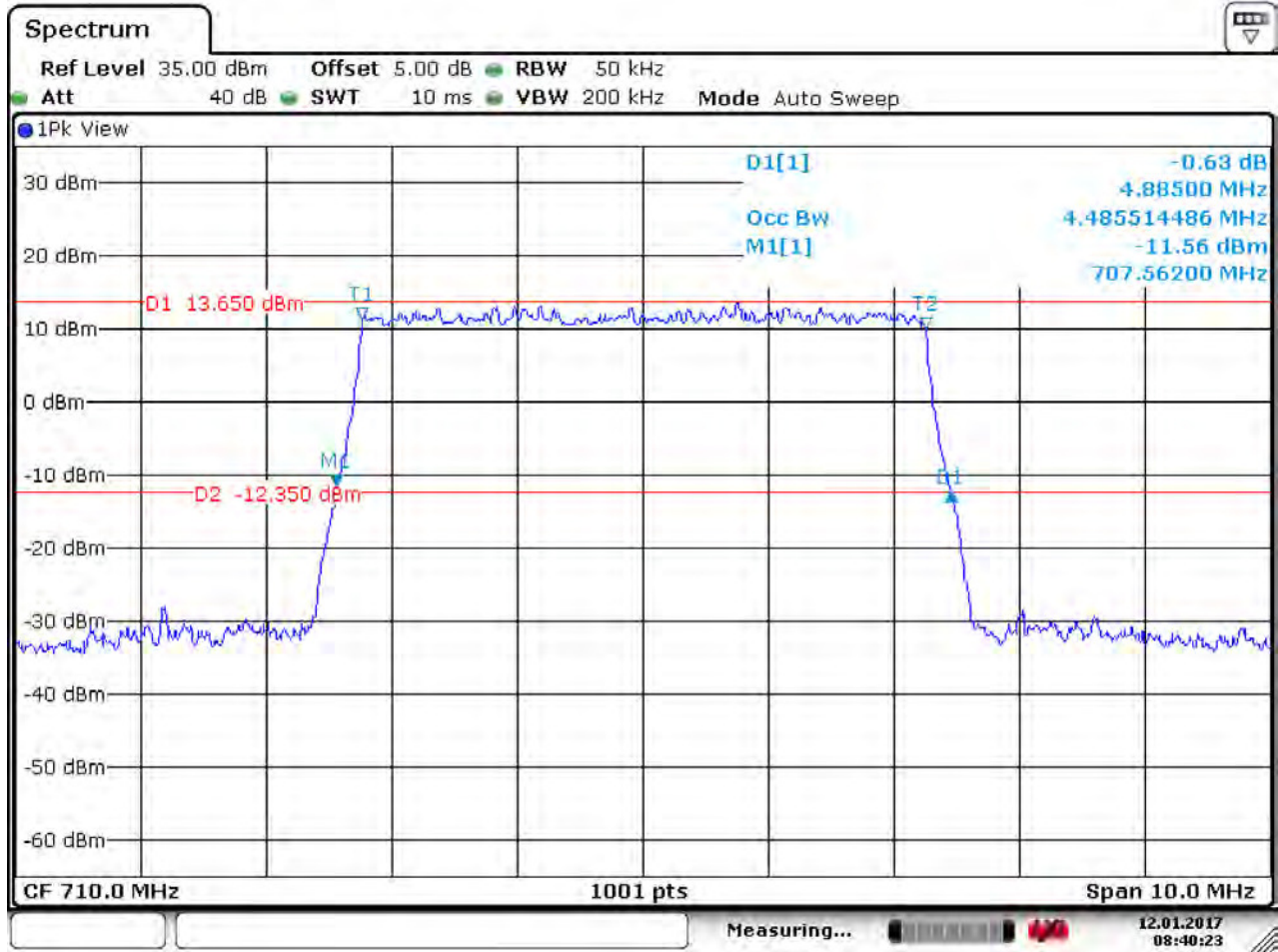
4 Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
Band 17	TM1/ 5MHz	LCH	4.49	4.89	PASS
		MCH	4.49	4.89	PASS
		HCH	4.48	4.88	PASS
	TM2/ 5MHz	LCH	4.48	4.89	PASS
		MCH	4.48	4.86	PASS
		HCH	4.48	4.91	PASS
	TM3/5MHz	LCH	4.48	4.88	PASS
		MCH	4.48	4.87	PASS
		HCH	4.48	4.9	PASS
	TM1/10MHz	LCH	8.93	9.65	PASS
		MCH	8.95	9.69	PASS
		HCH	8.93	9.65	PASS
	TM2/ 10MHz	LCH	8.95	9.65	PASS
		MCH	8.95	9.59	PASS
		HCH	8.93	9.63	PASS
TM3/ 10MHz	LCH	8.95	9.67	PASS	
	MCH	8.93	9.66	PASS	
	HCH	8.91	9.64	PASS	

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4.1.1.1.2 Test Channel = MCH

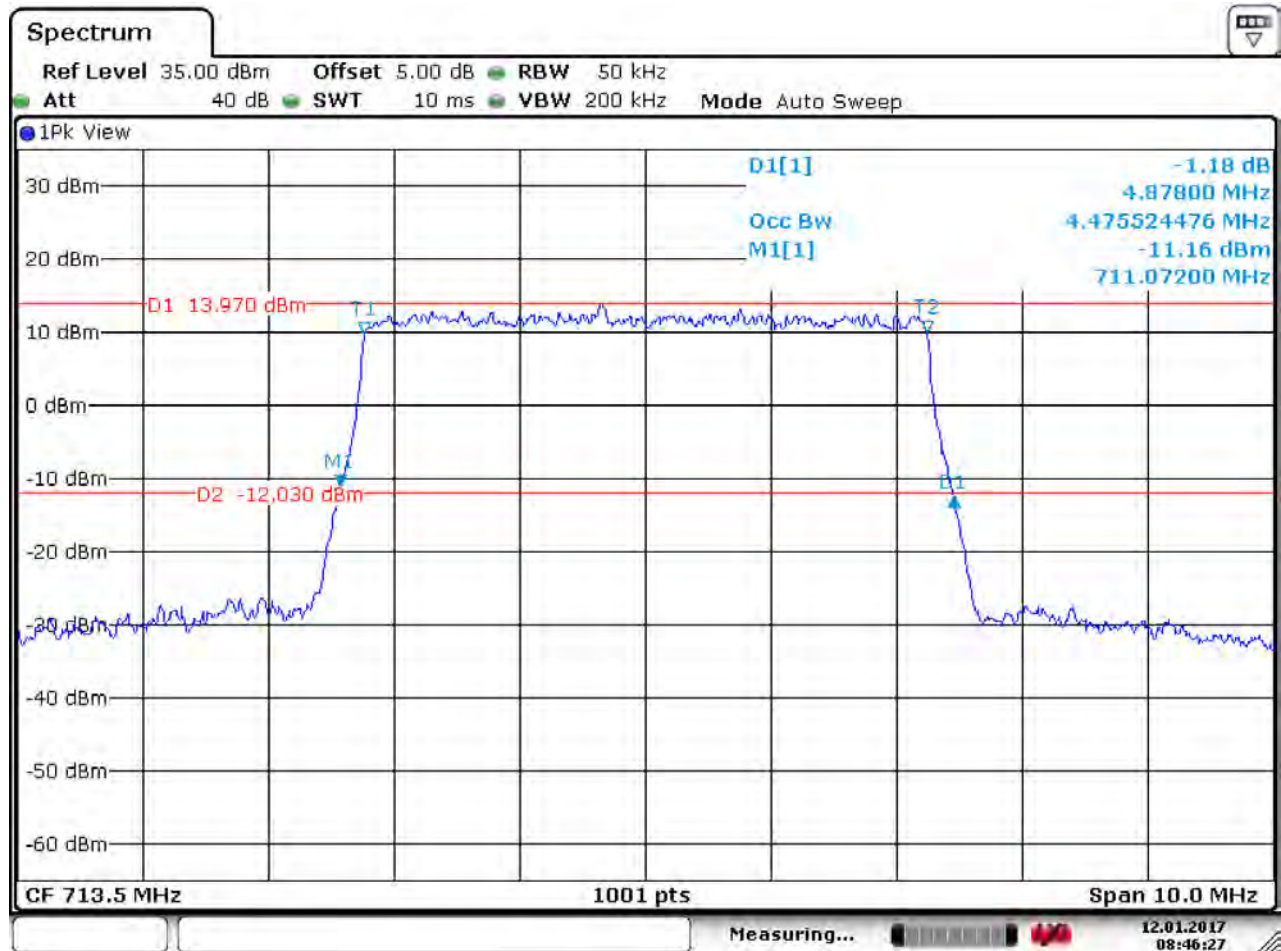


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4.1.1.1.3 Test Channel = HCH



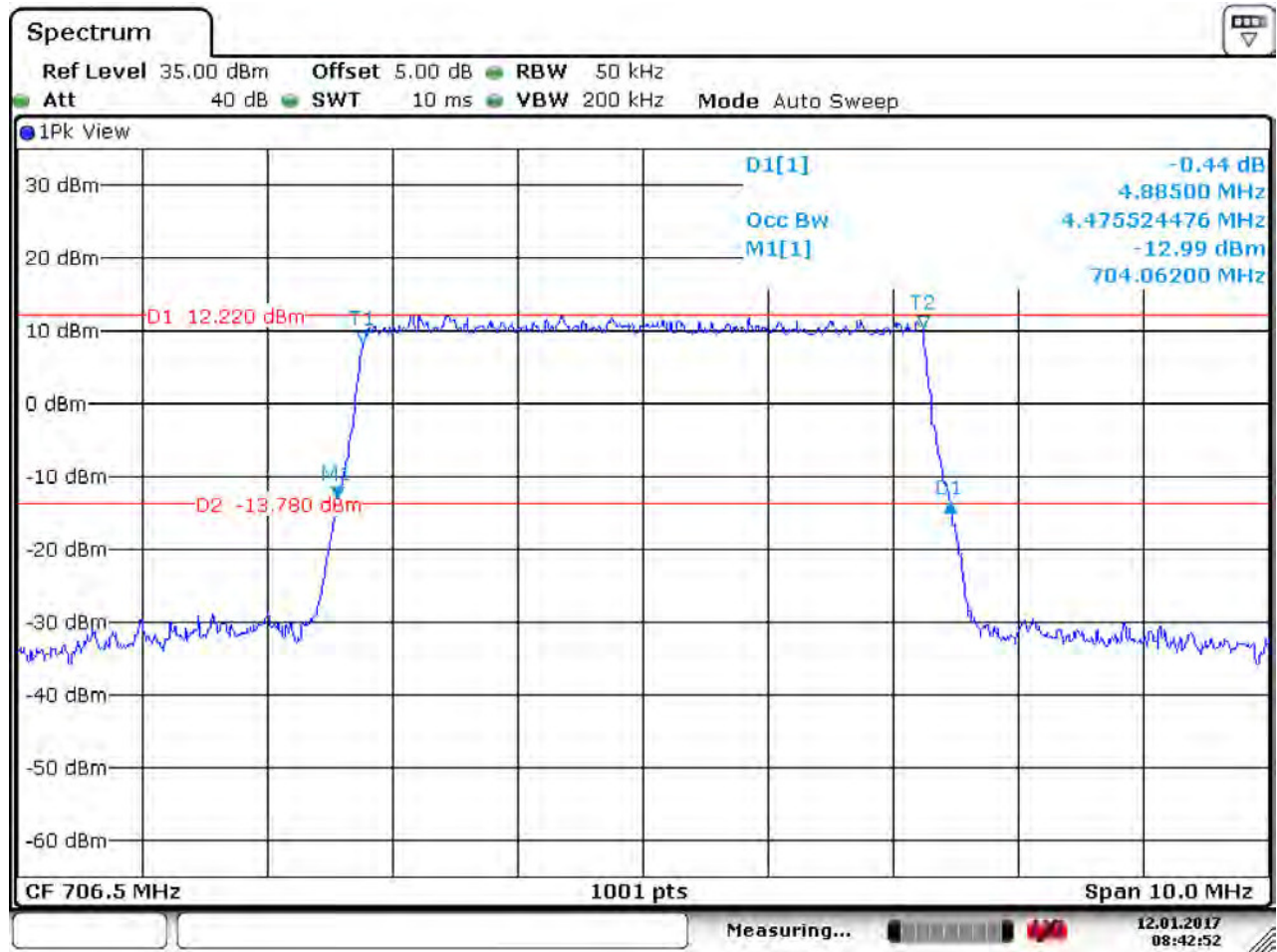
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4.1.1.2 Test Mode = LTE/TM2 5MHz

4.1.1.2.1 Test Channel = LCH

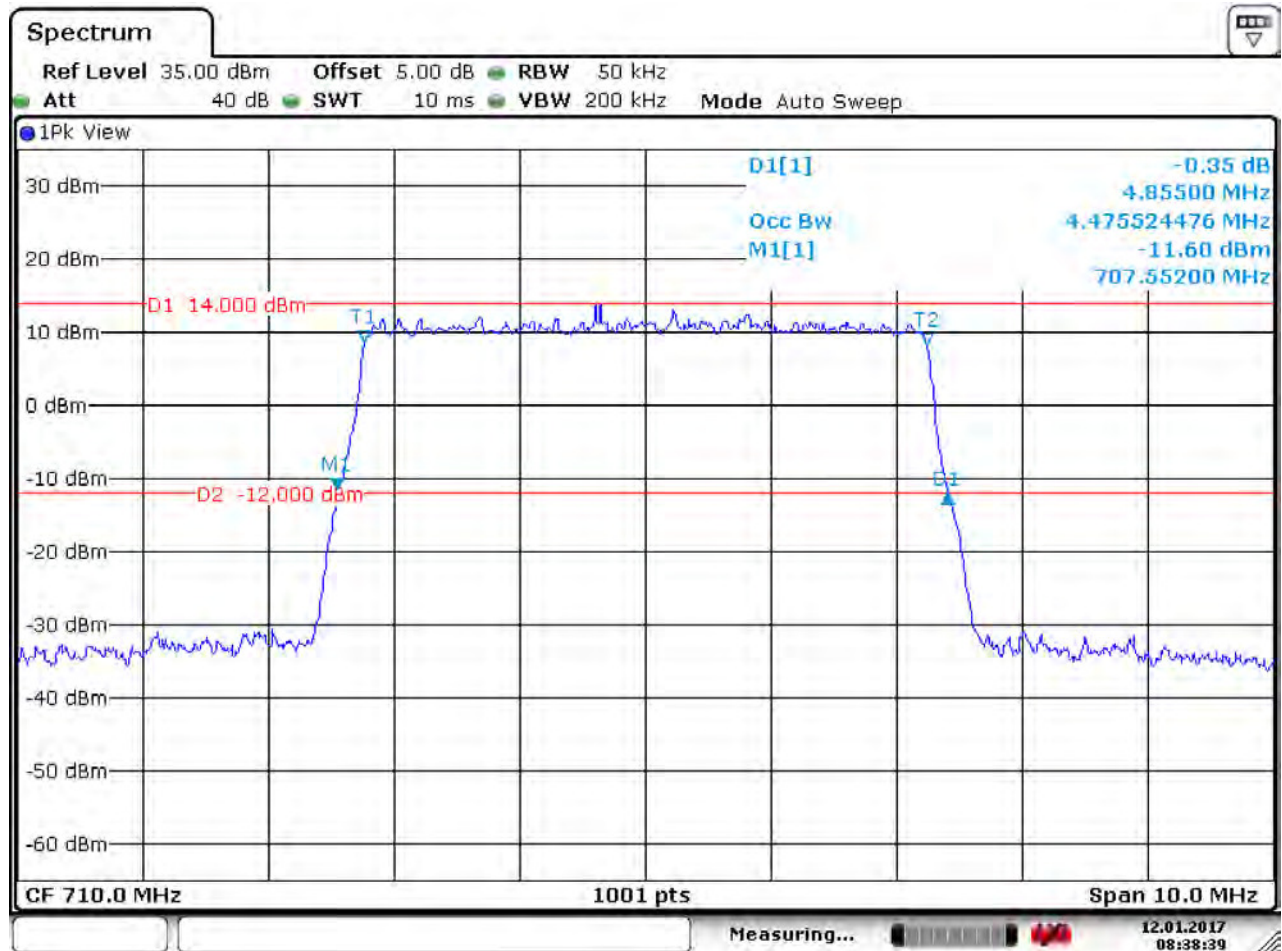


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4.1.1.2.2 Test Channel = MCH

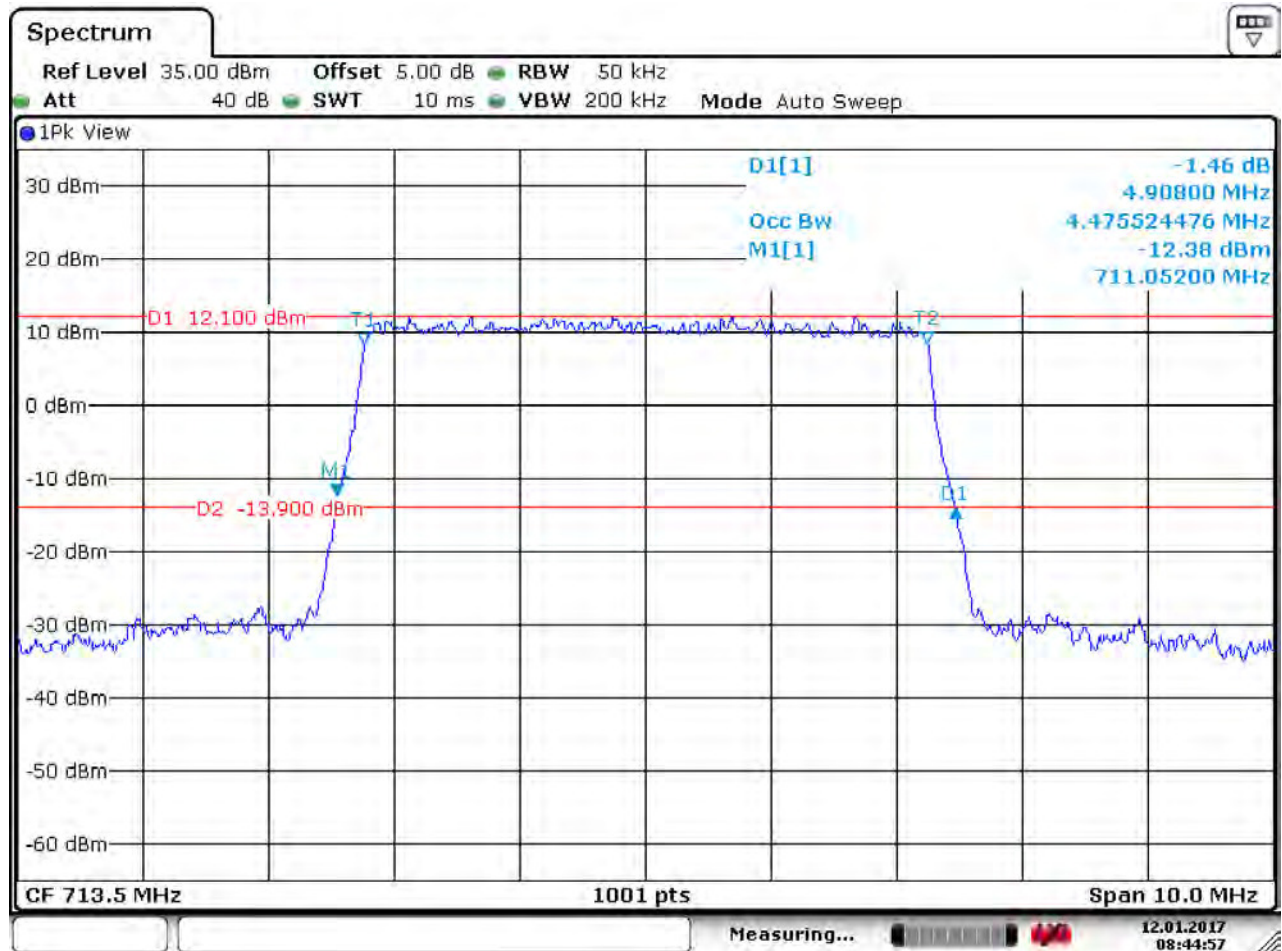


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4.1.1.2.3 Test Channel = HCH



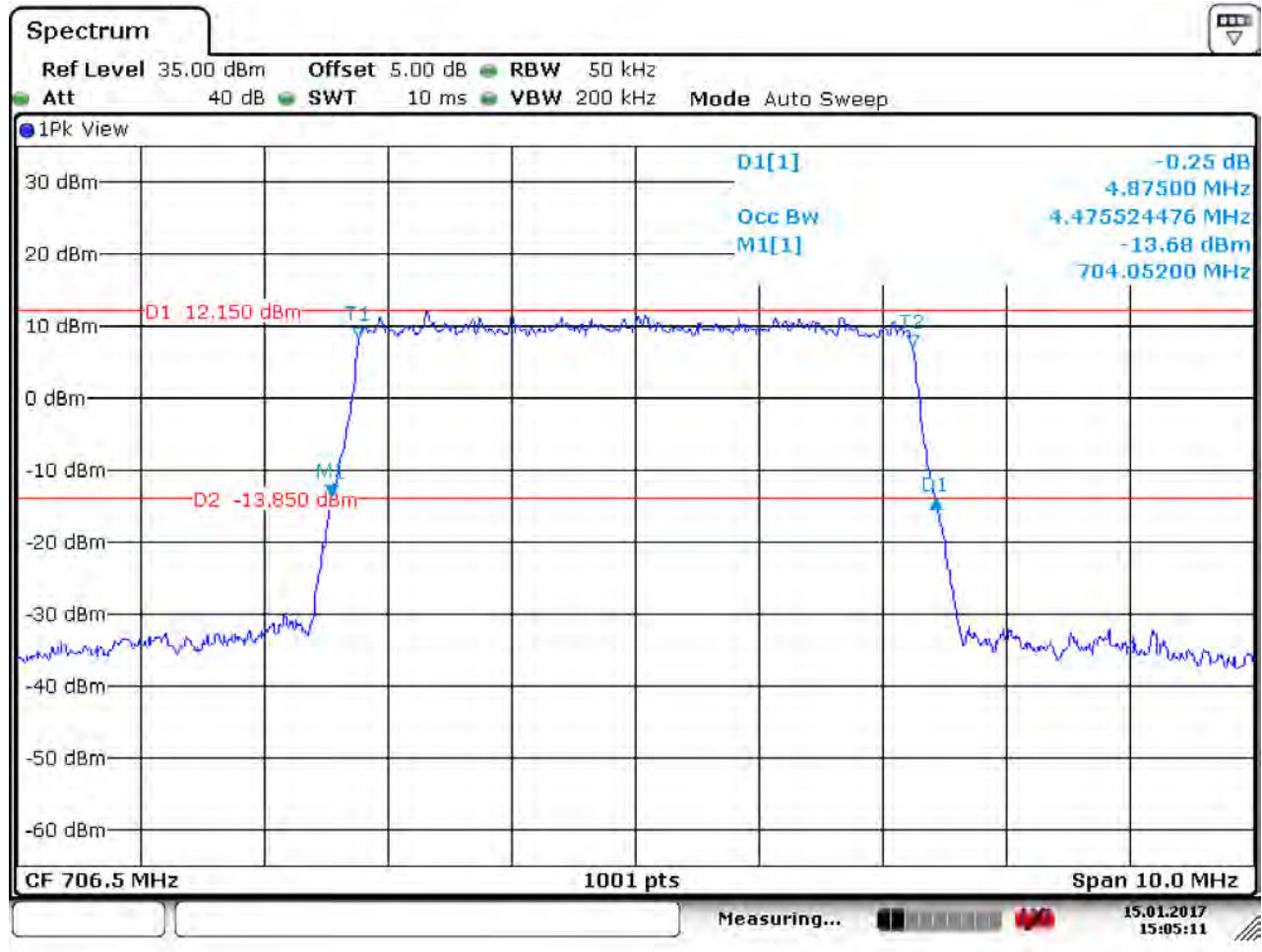
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4.1.1.3 Test Mode = LTE/TM3 5MHz

4.1.1.3.1 Test Channel = LCH

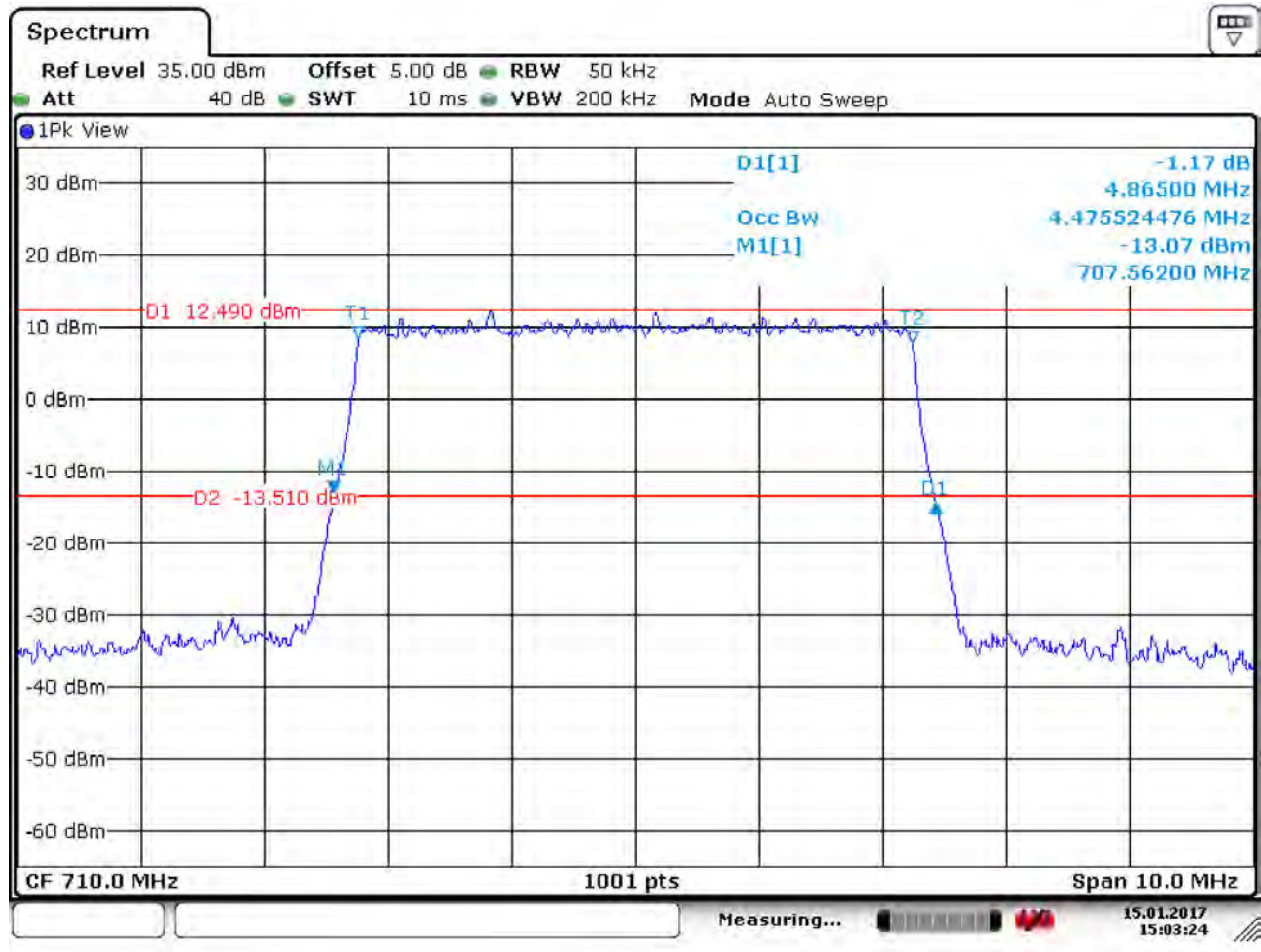


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4.1.1.3.2 Test Channel = MCH

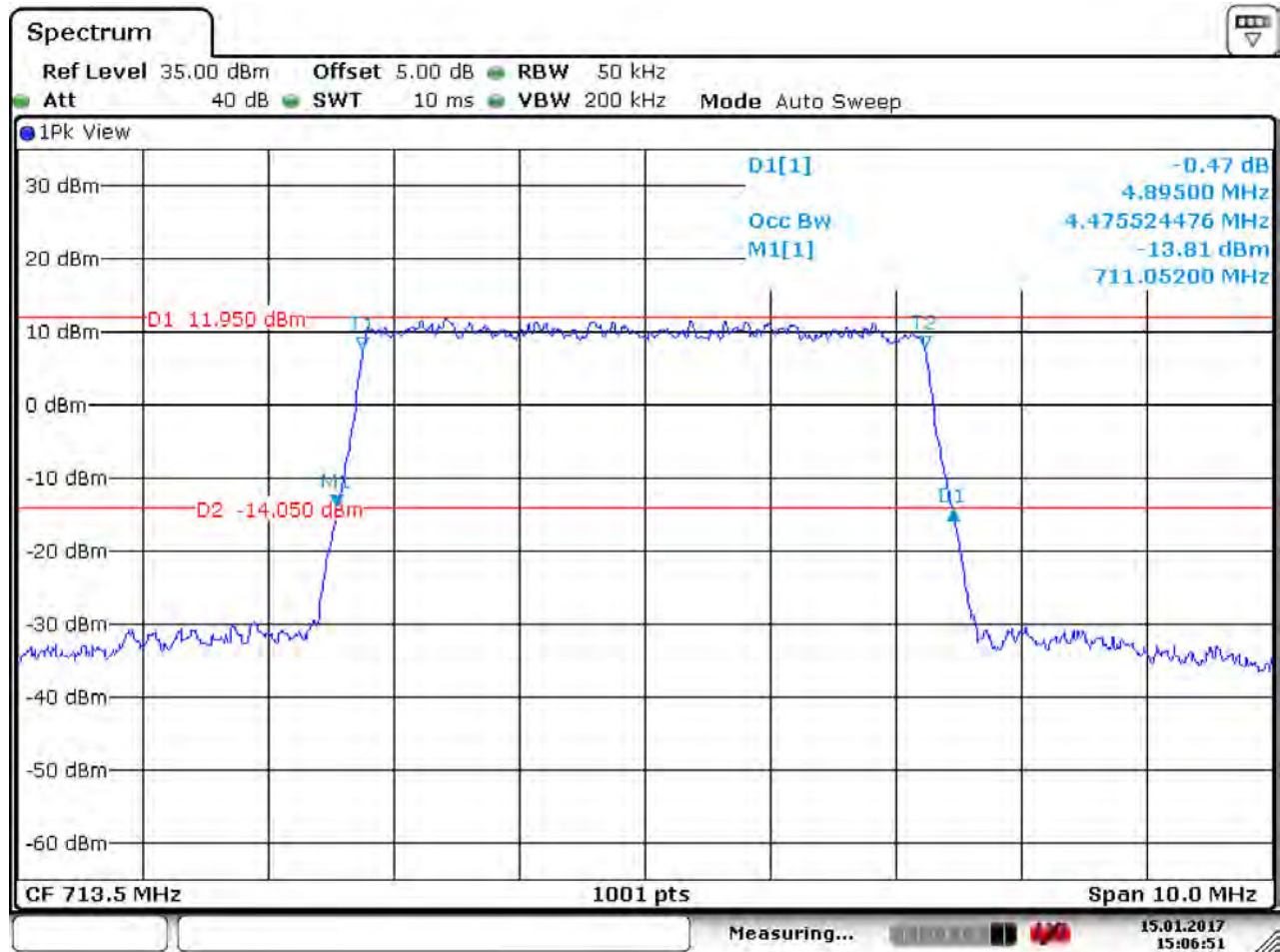


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4.1.1.3.3 Test Channel = HCH



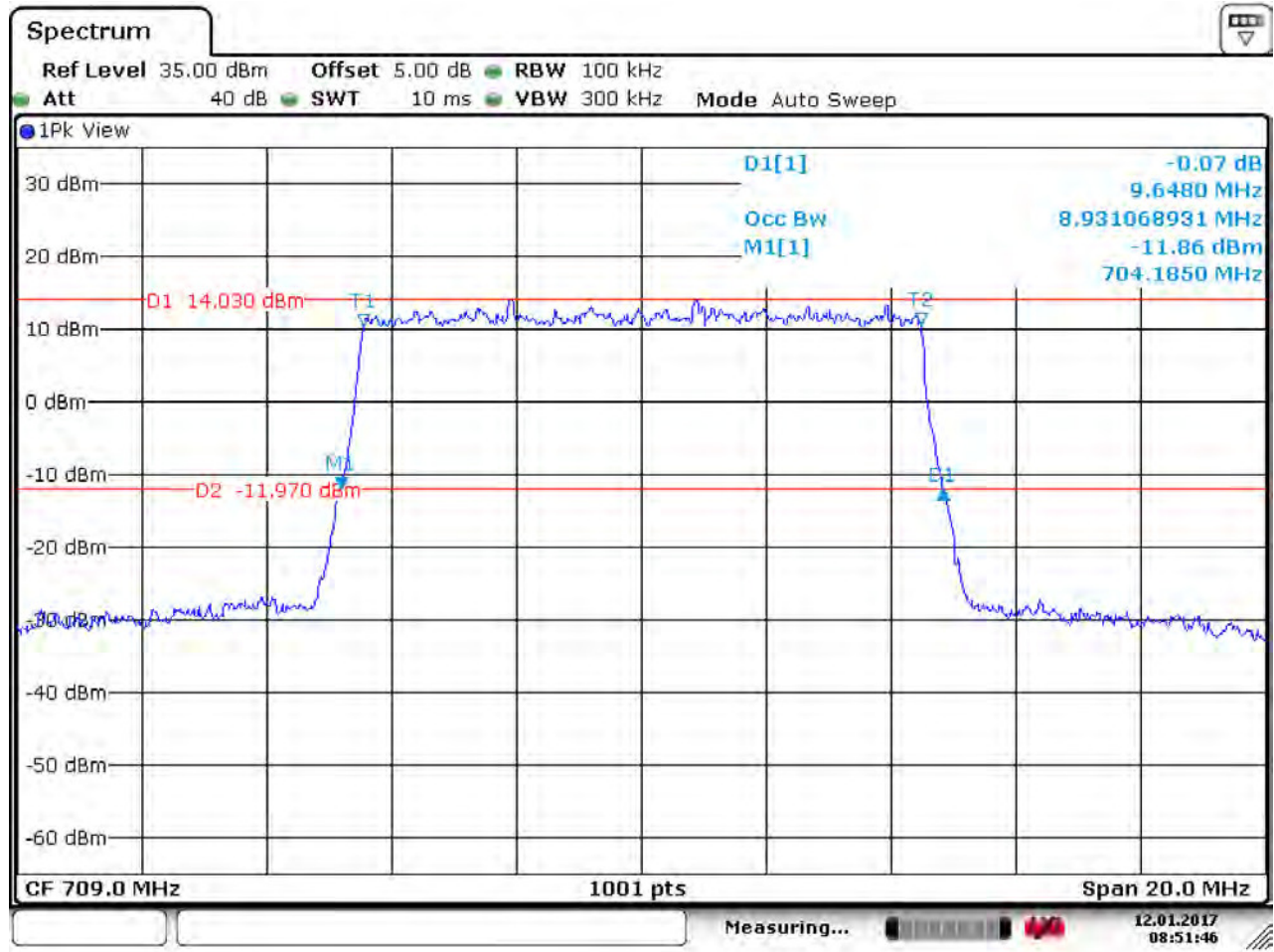
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4.1.1.4 Test Mode = LTE/TM1 10MHz

4.1.1.4.1 Test Channel = LCH

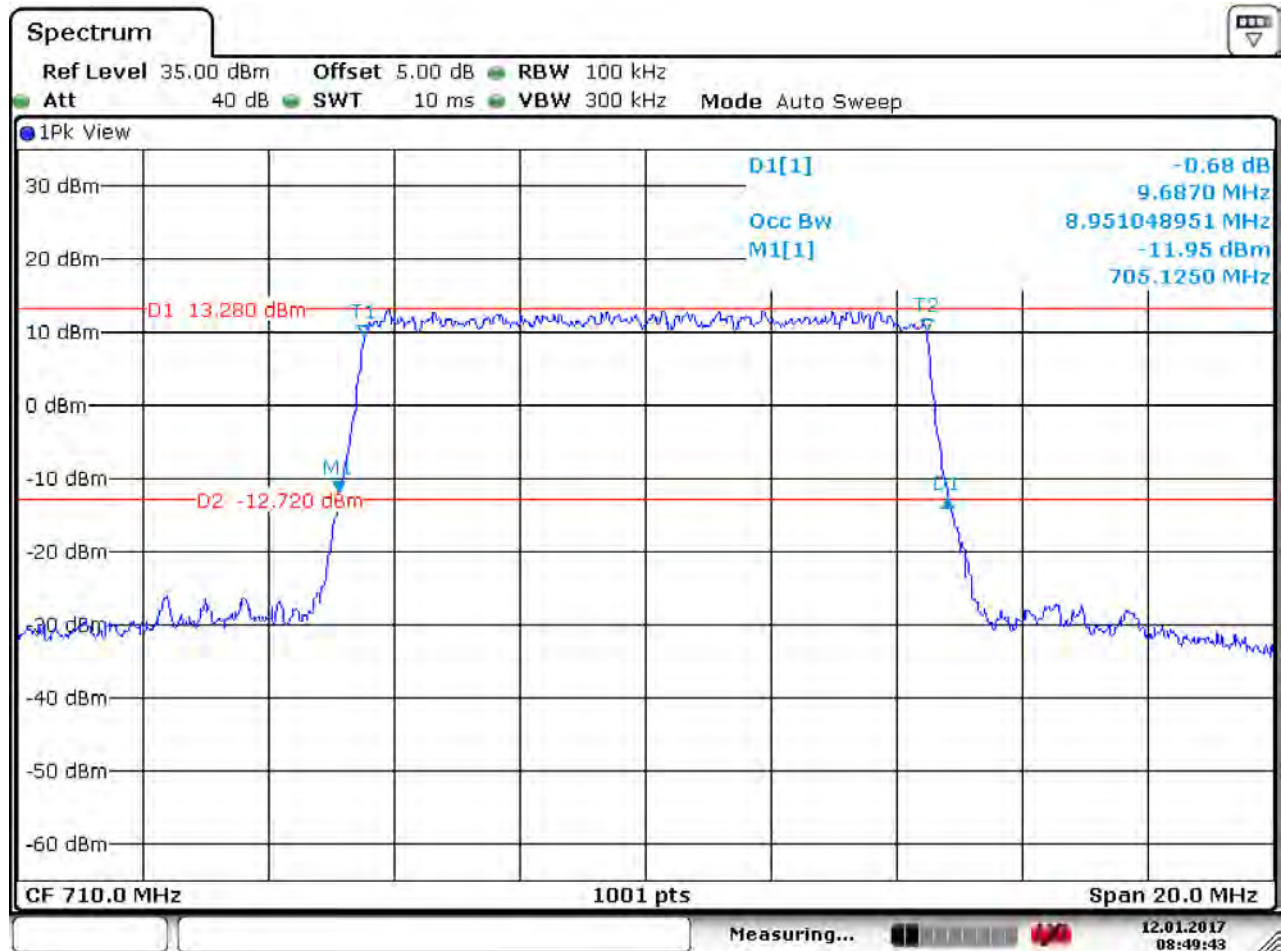


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4.1.1.4.2 Test Channel = MCH

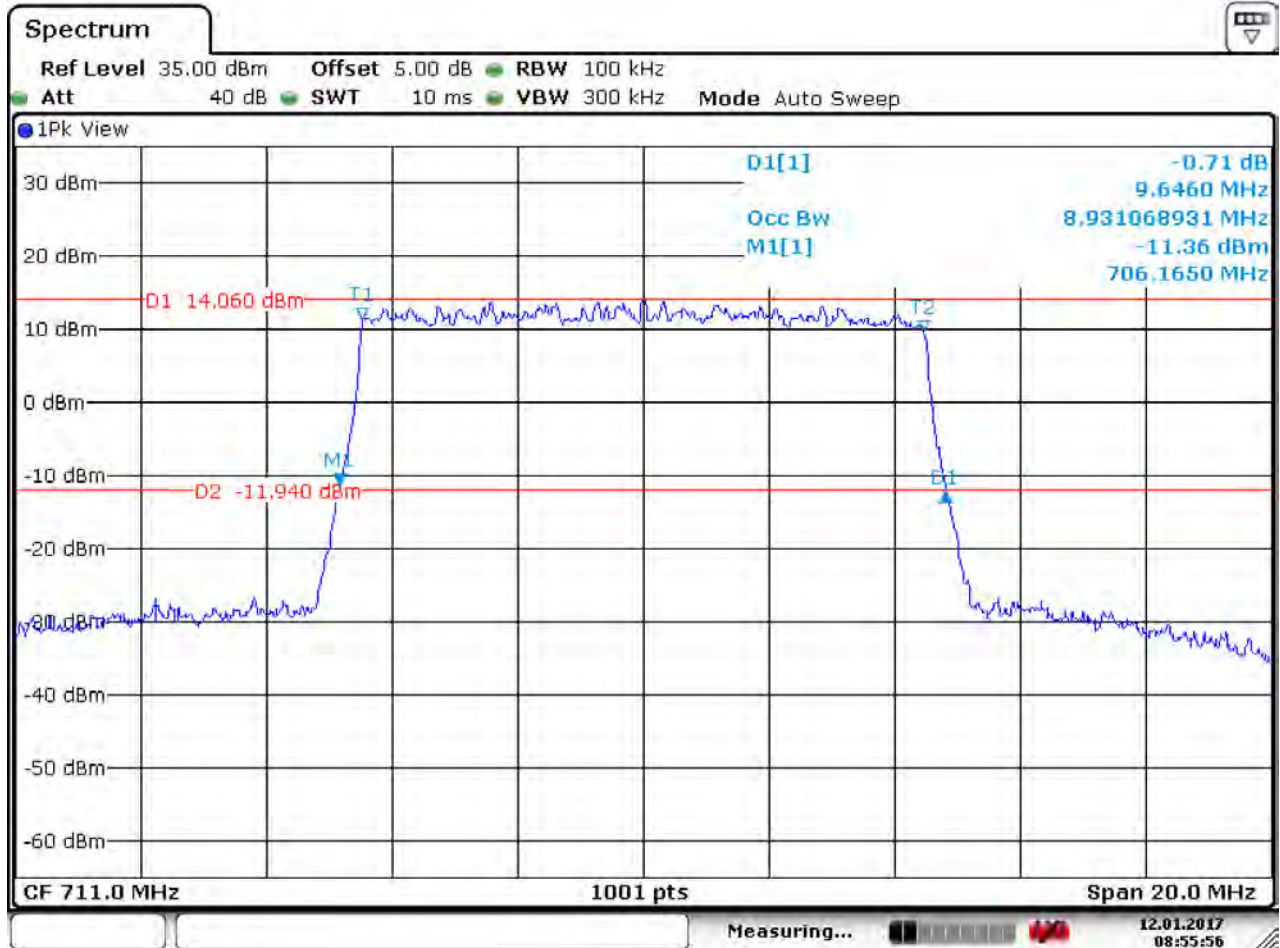


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4.1.1.4.3 Test Channel = HCH



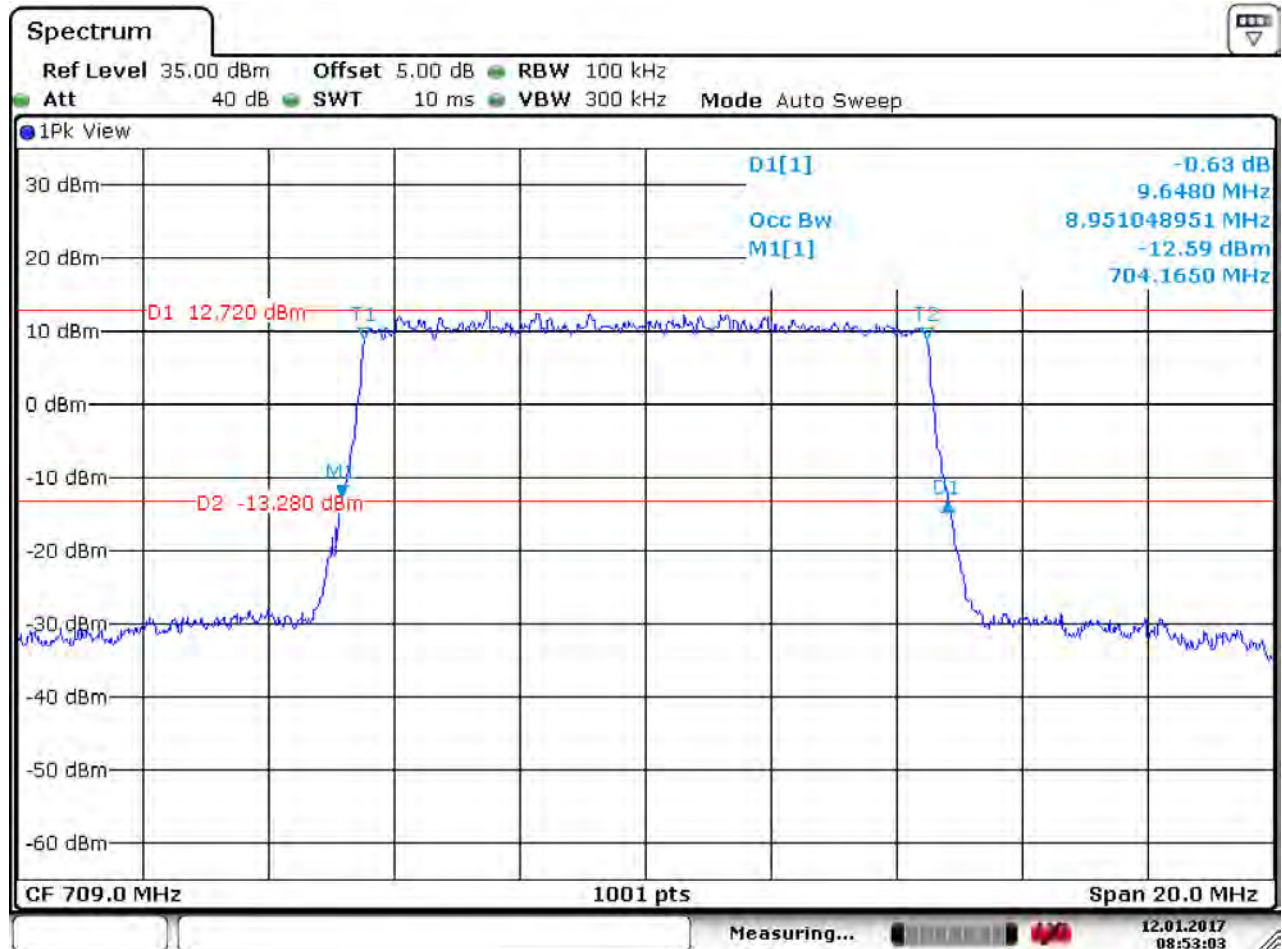
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4.1.1.5 Test Mode = LTE/TM2 10MHz

4.1.1.5.1 Test Channel = LCH

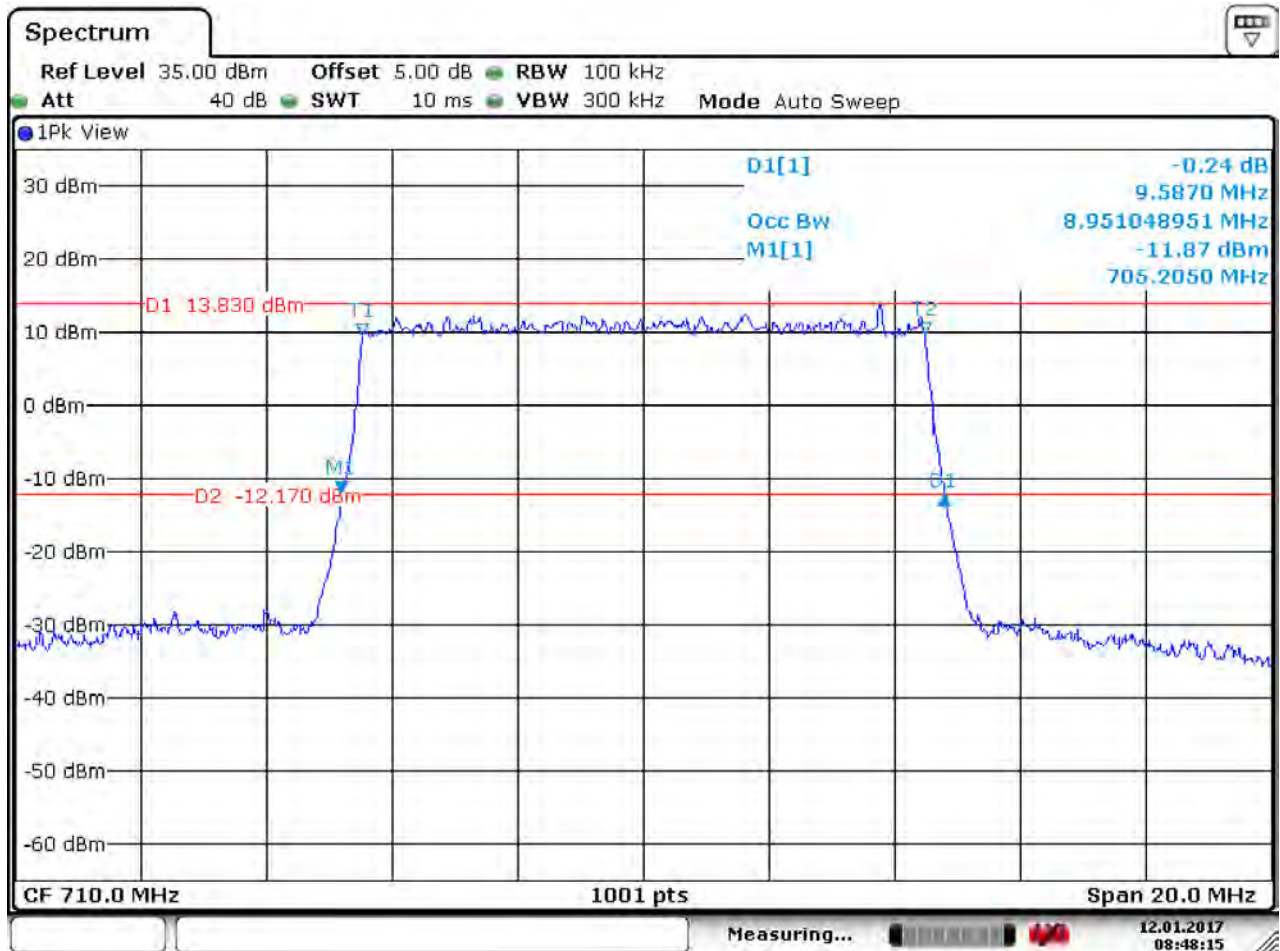


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4.1.1.5.2 Test Channel = MCH

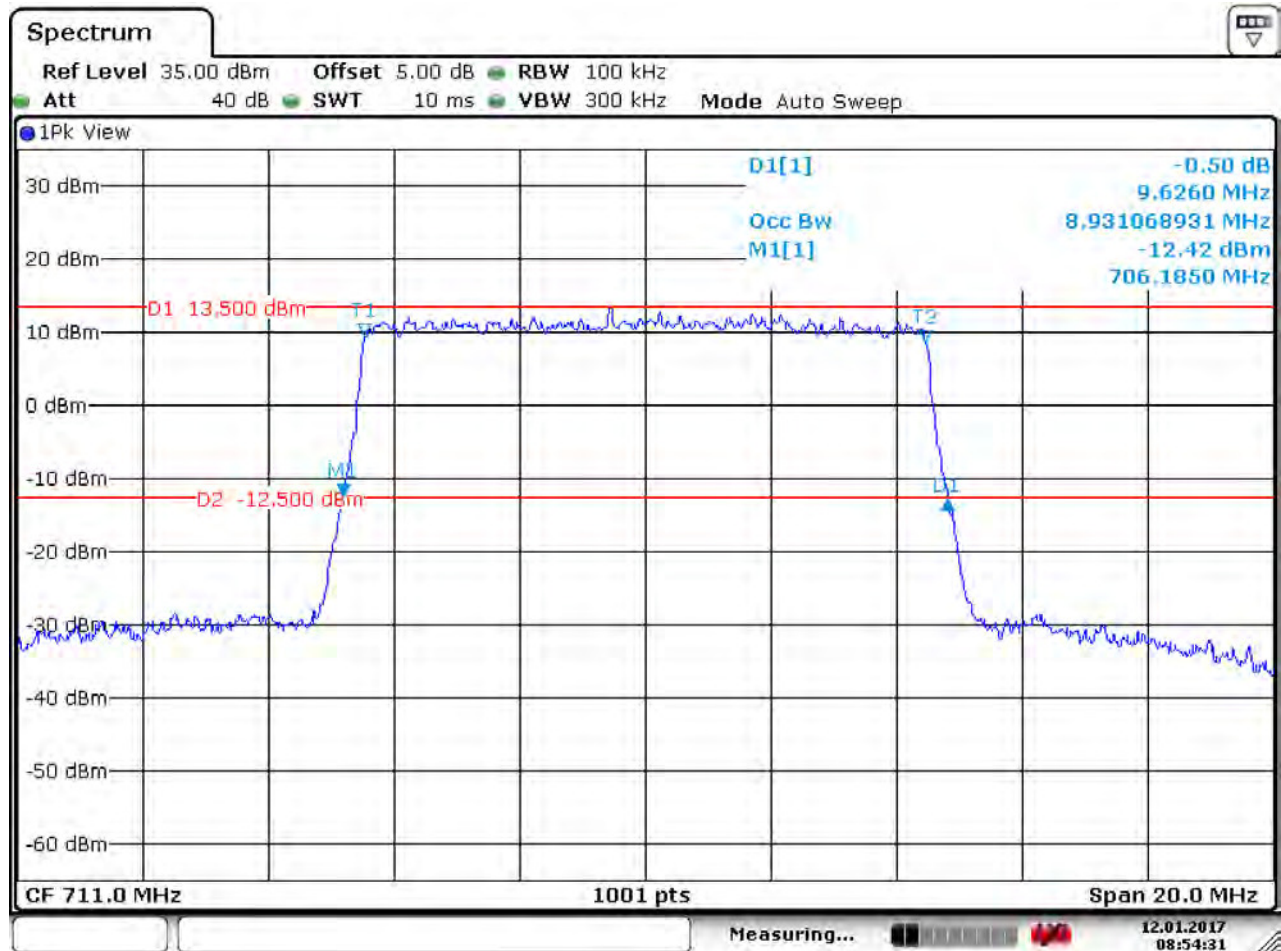


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4.1.1.5.3 Test Channel = HCH



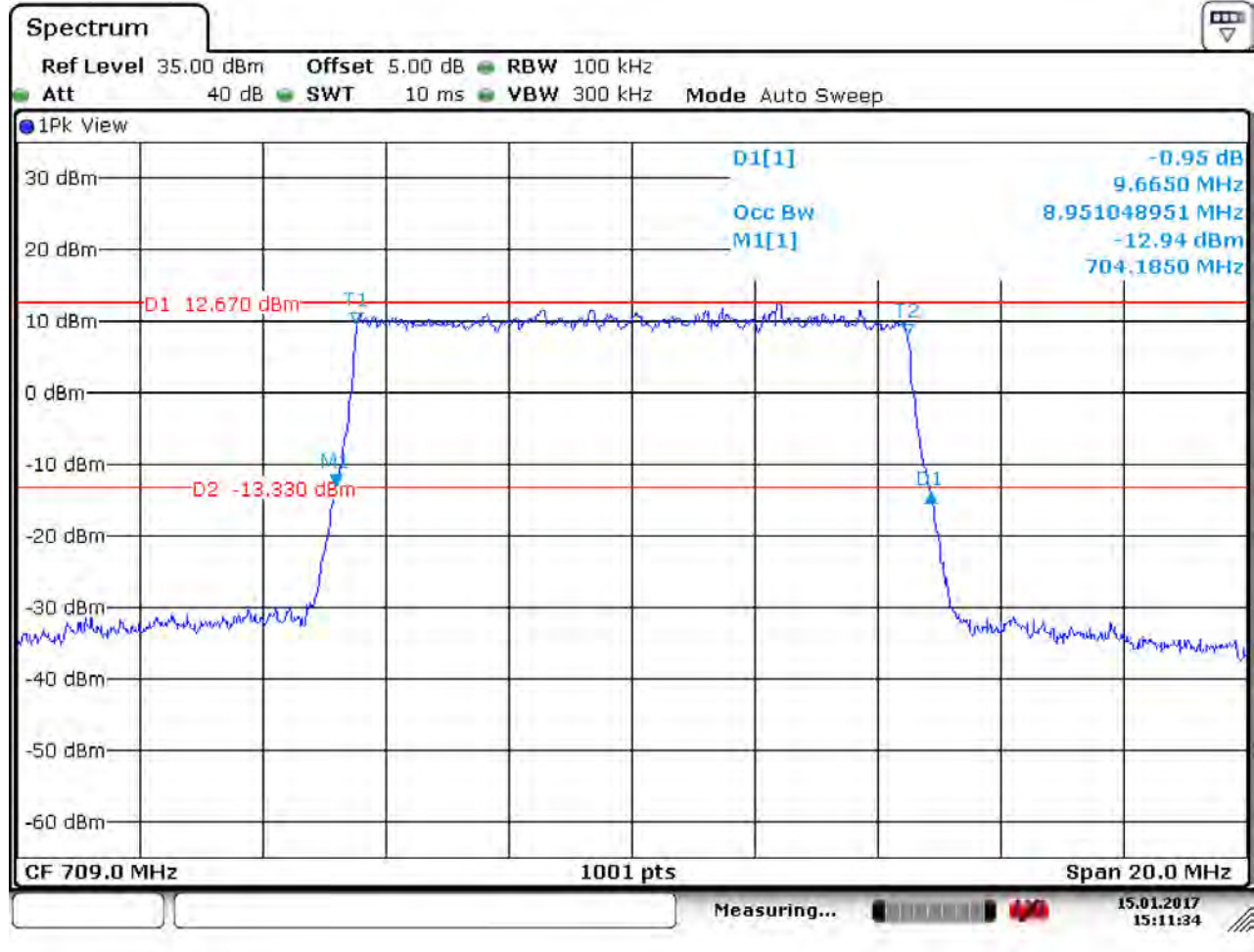
Date: 12.JAN.2017 08:54:31

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4.1.1.6 Test Mode = LTE/TM3 10MHz

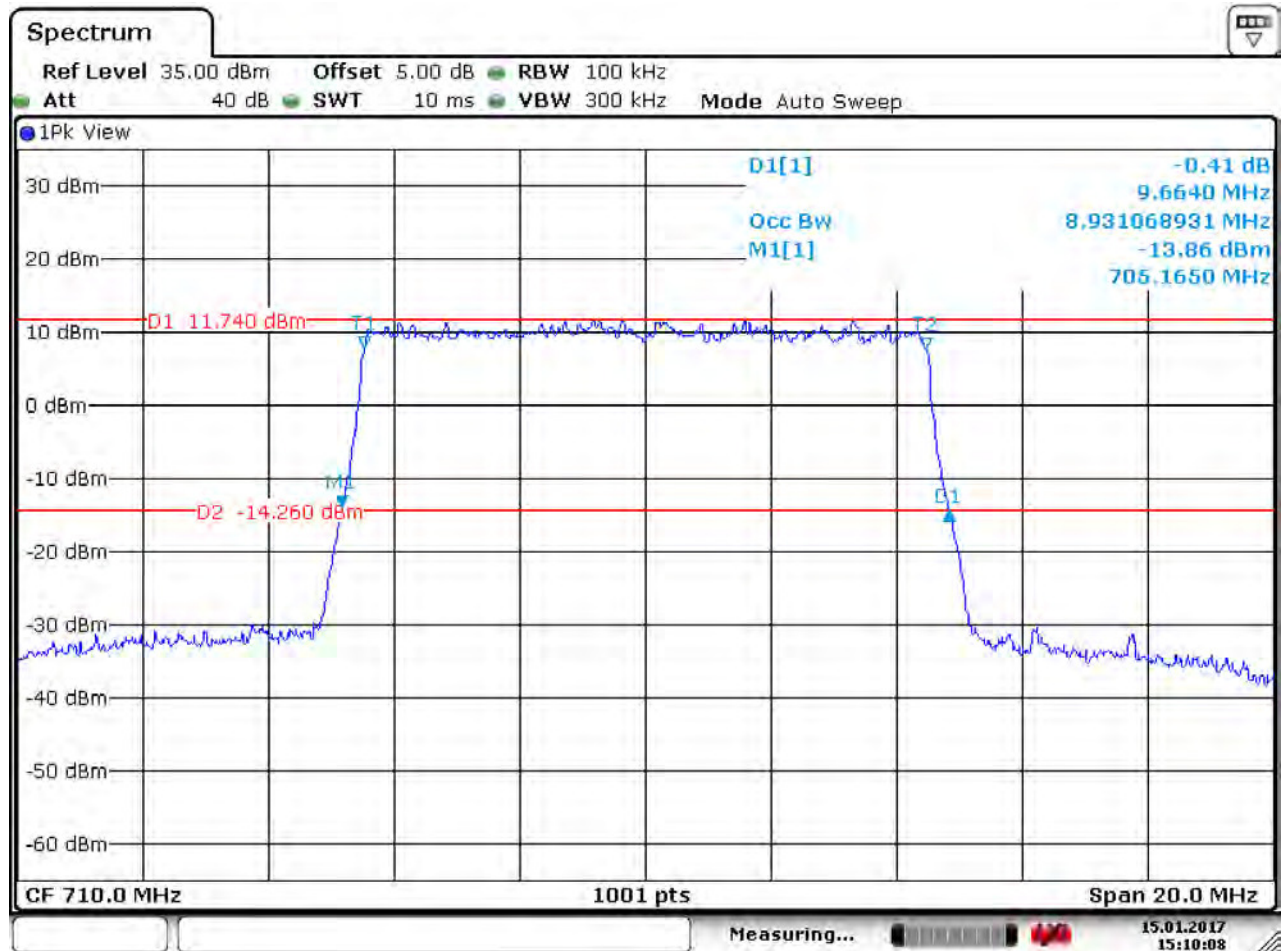
4.1.1.6.1 Test Channel = LCH



Date: 15.JAN.2017 15:11:34



4.1.1.6.2 Test Channel = MCH

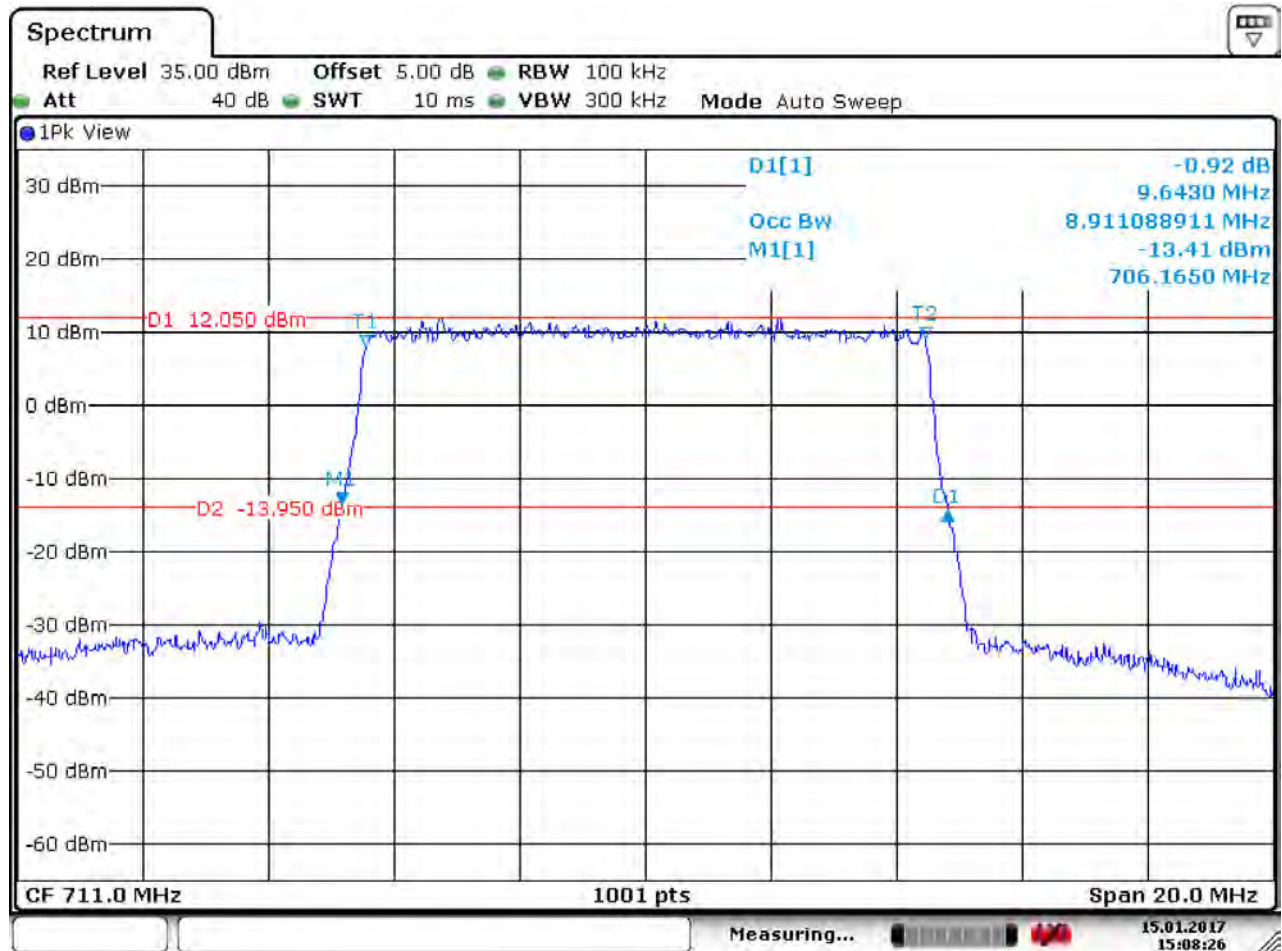


Date: 15.JAN.2017 15:10:09

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4.1.1.6.3 Test Channel = HCH



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5 Band Edges Compliance

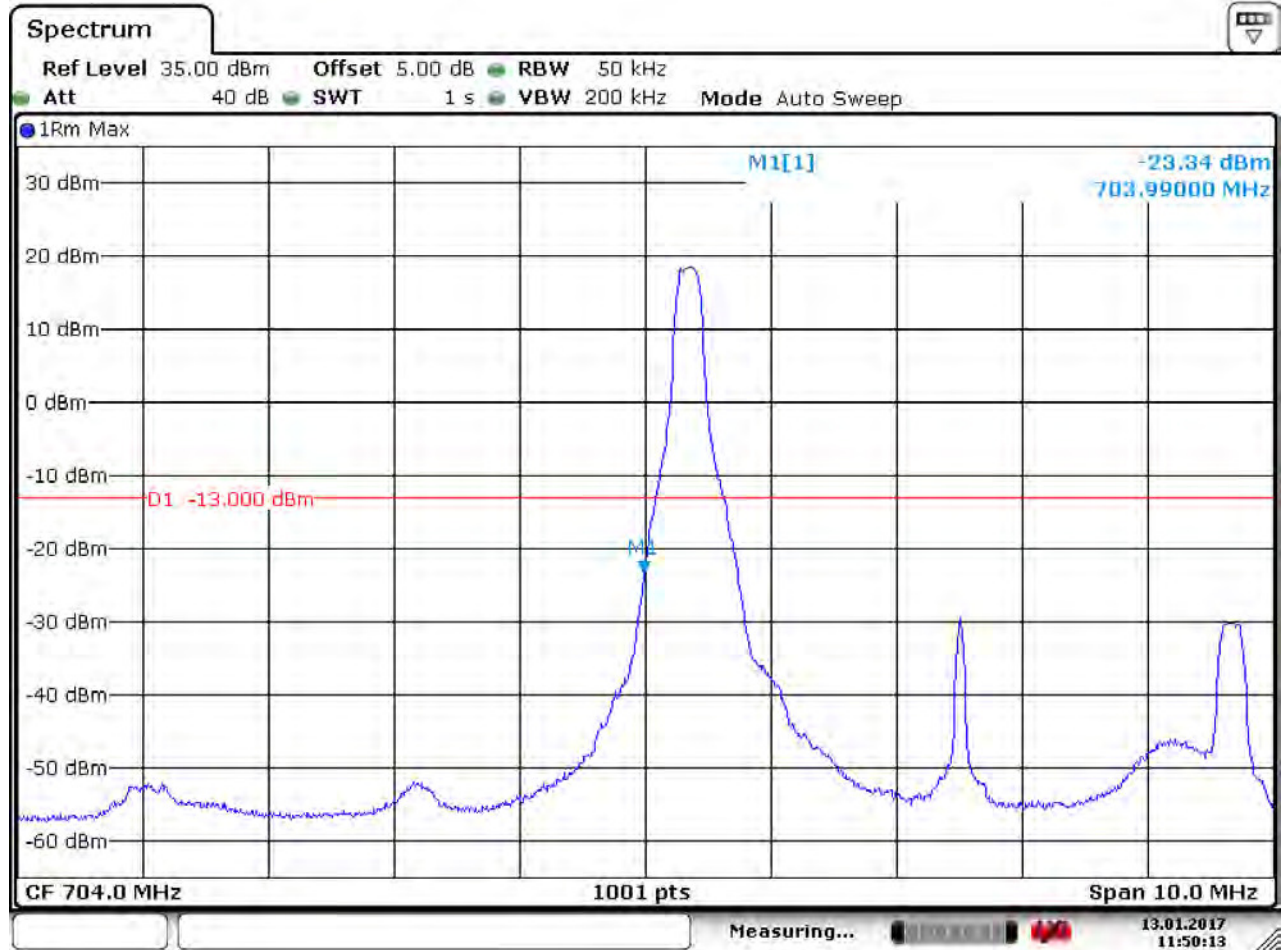
5.1 For LTE

5.1.1 Test Band = LTE band2

5.1.1.1 Test Mode = LTE/TM1 5MHz

5.1.1.1.1 Test Channel = LCH

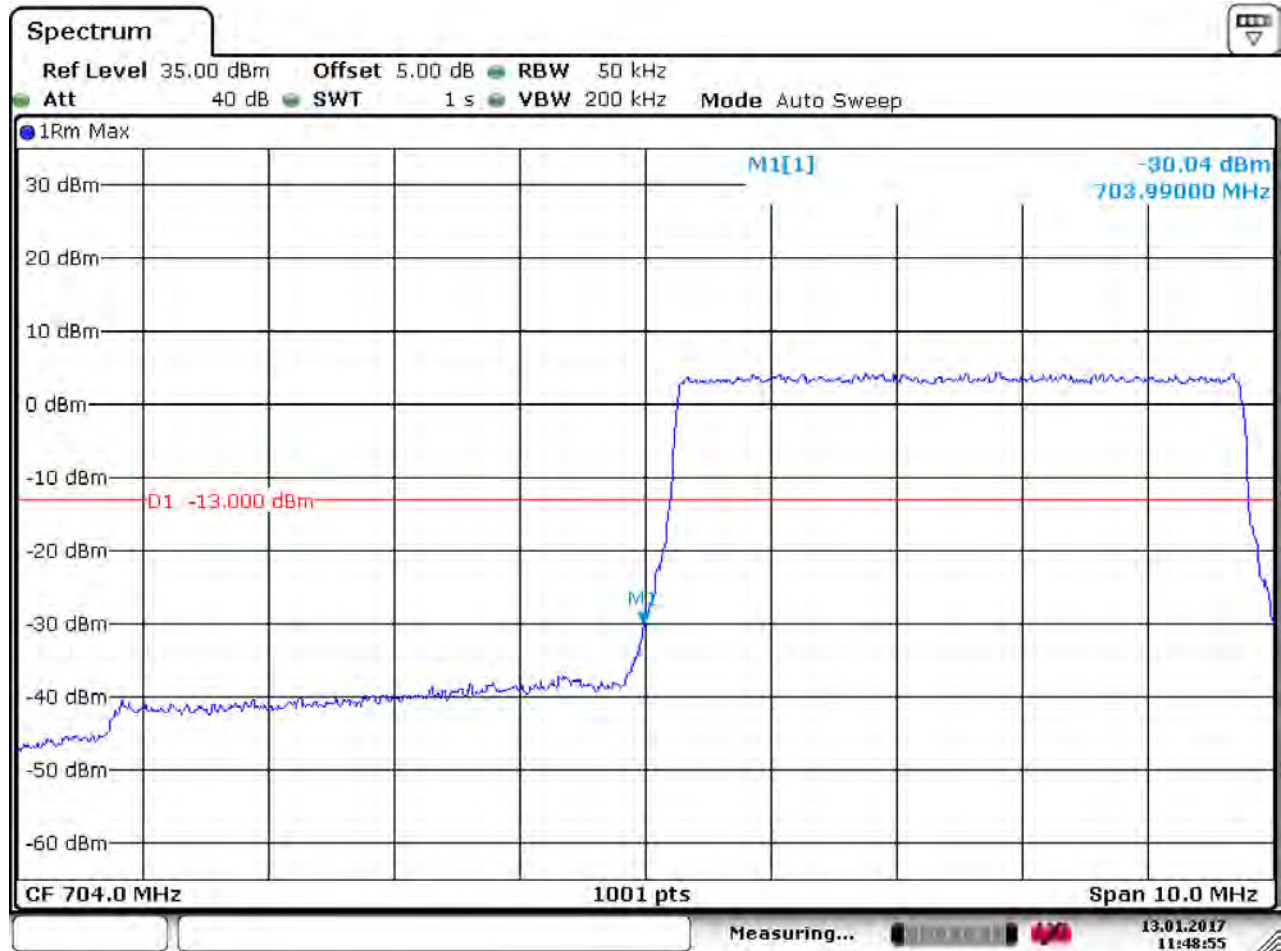
5.1.1.1.1.1 Test RB=1RB



Date: 13.JAN.2017 11:50:13



5.1.1.1.1.2 Test RB=25RB



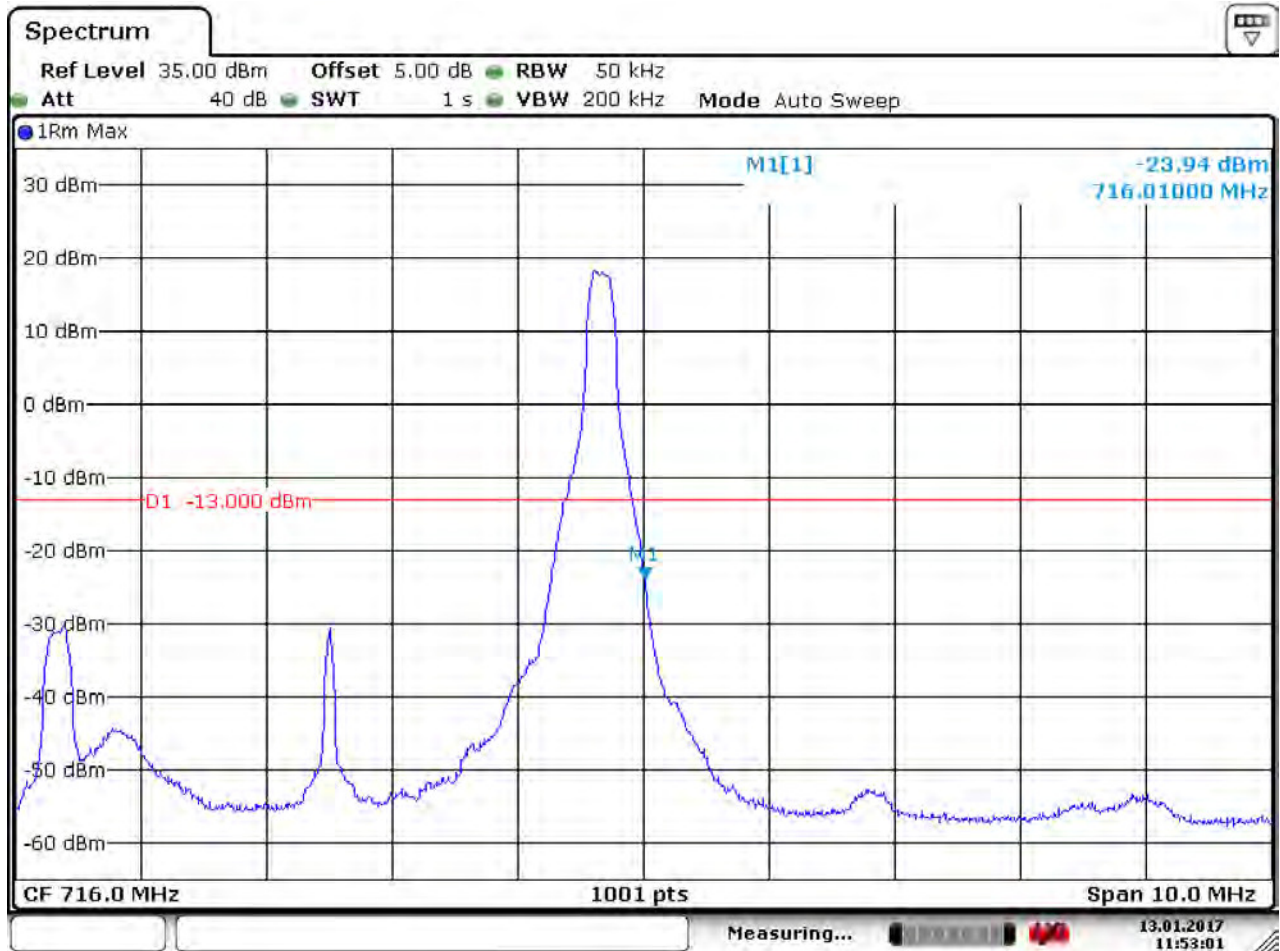
Date: 13.JAN.2017 11:48:55

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5.1.1.1.2 Test Channel = HCH

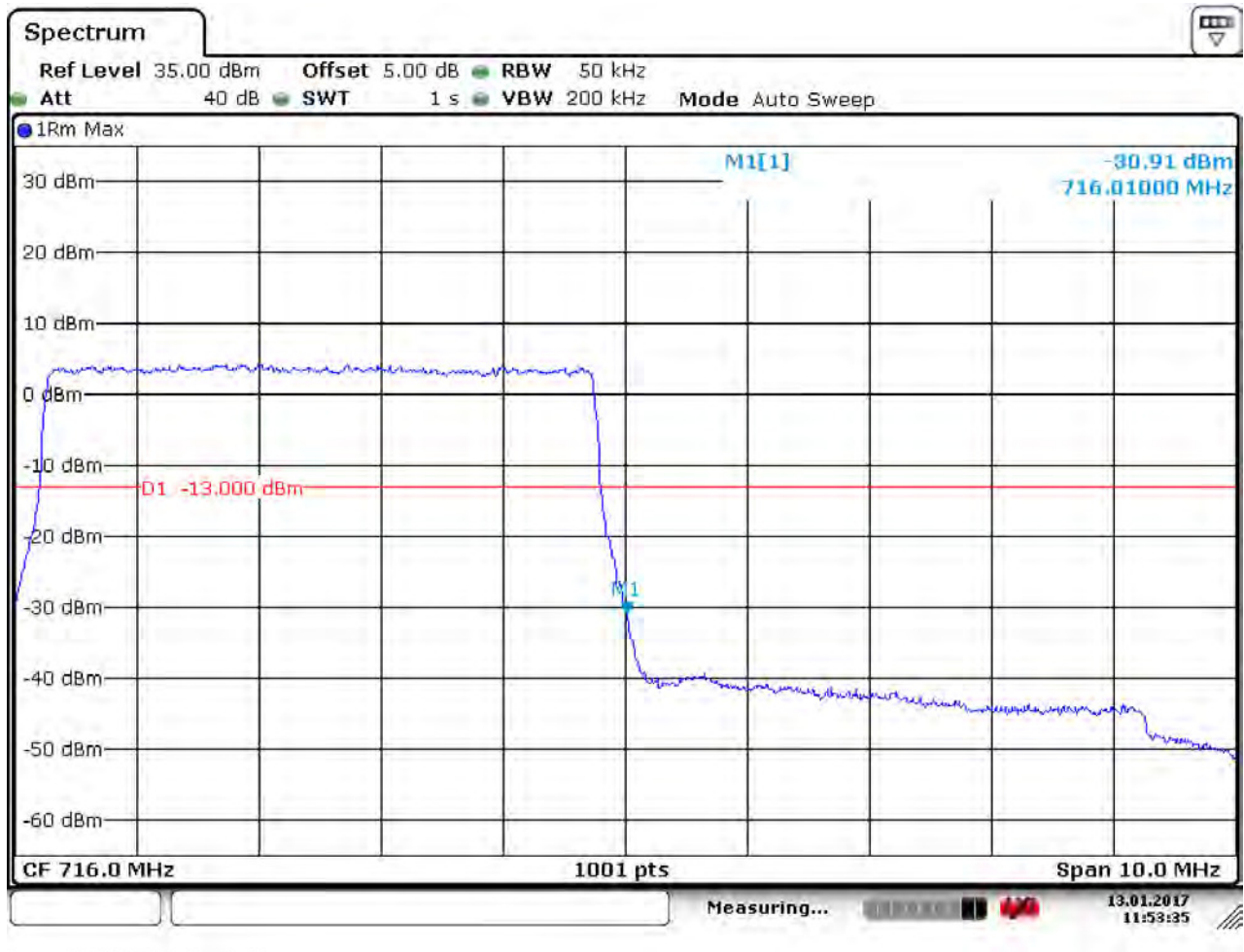
5.1.1.1.2.1 Test RB=1RB



Date: 13, JAN, 2017 11:53:02

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5.1.1.1.2.2 Test RB=25RB



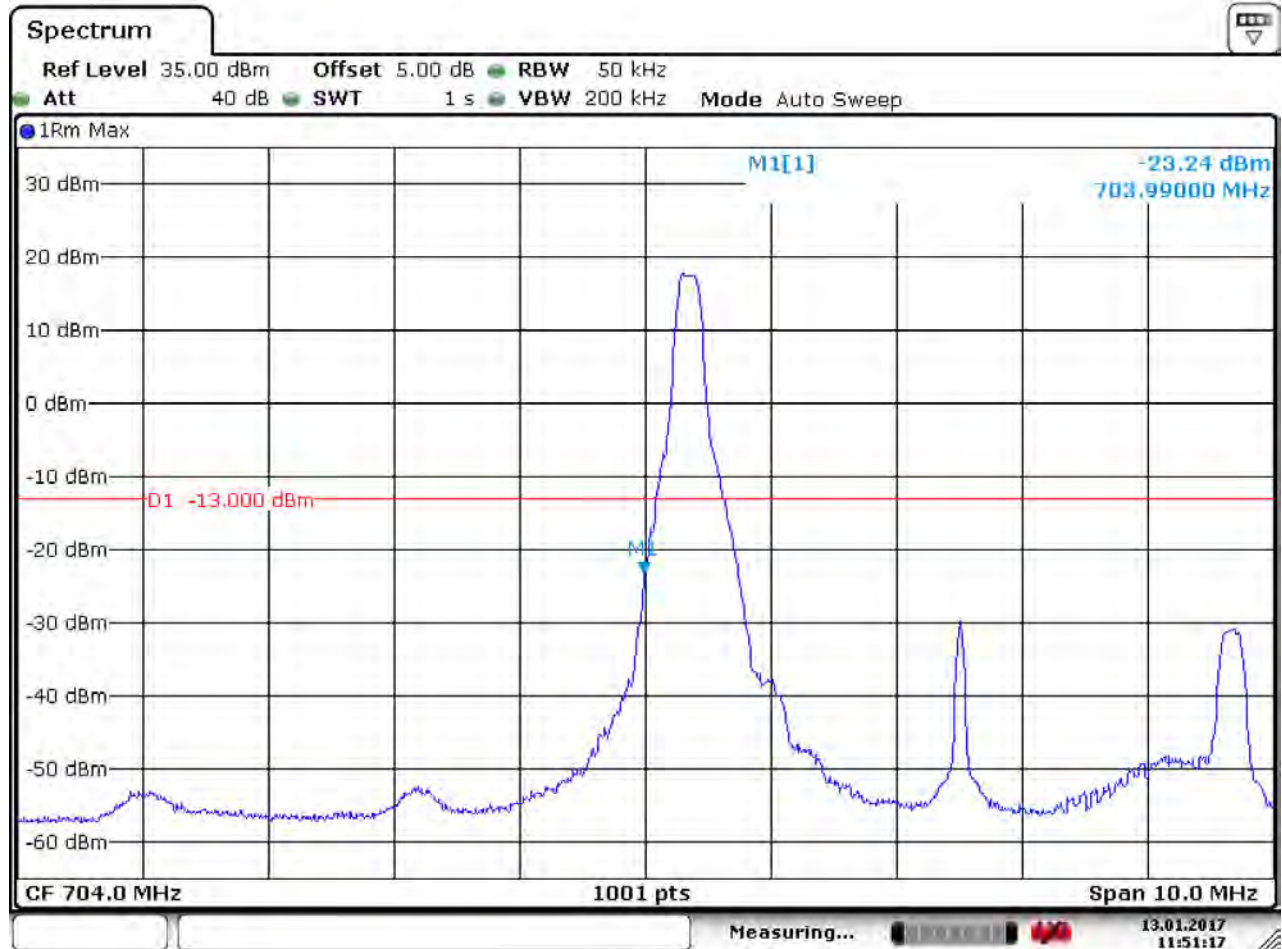
Date: 13.JAN.2017 11:53:34



5.1.1.2 Test Mode = LTE/TM2 5MHz

5.1.1.2.1 Test Channel = LCH

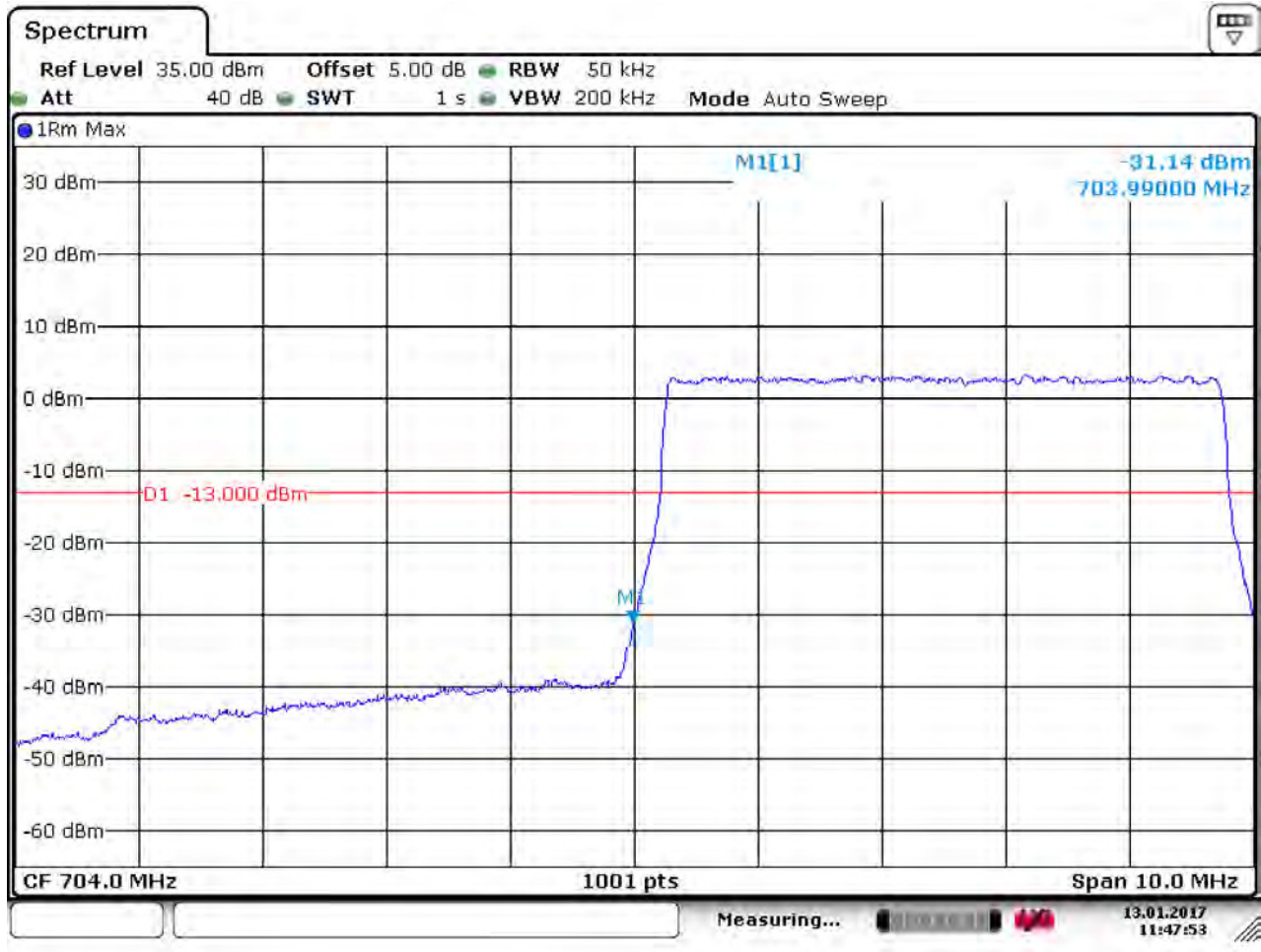
5.1.1.2.1.1 Test RB=1RB



Date: 13.JAN.2017 11:51:17



5.1.1.2.1.2 Test RB=25RB



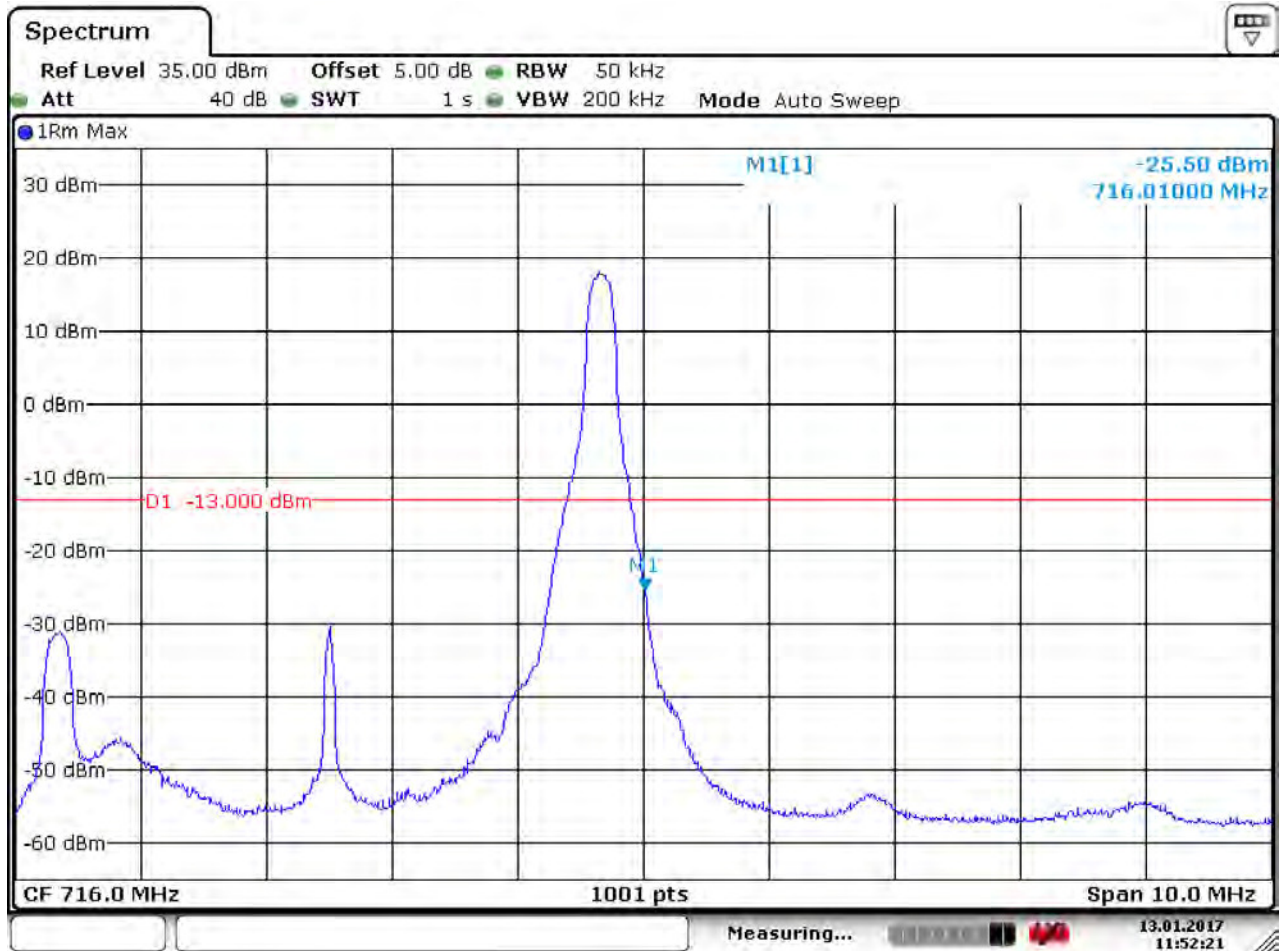
Date: 13.JAN.2017 11:47:53

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5.1.1.2.2 Test Channel = HCH

5.1.1.2.2.1 Test RB=1RB

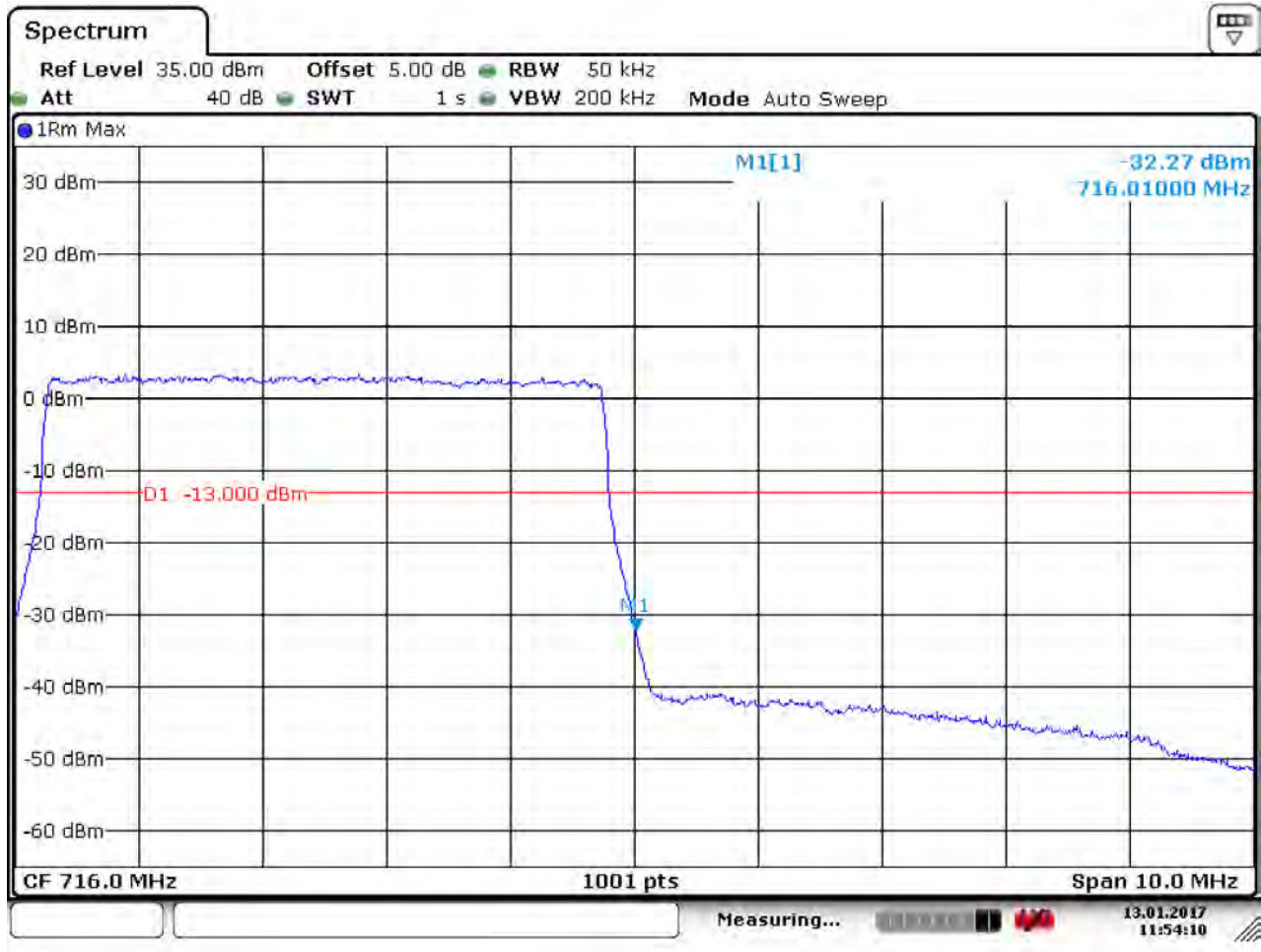


Date: 13.JAN.2017 11:52:22

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5.1.1.2.2.2 Test RB=25RB



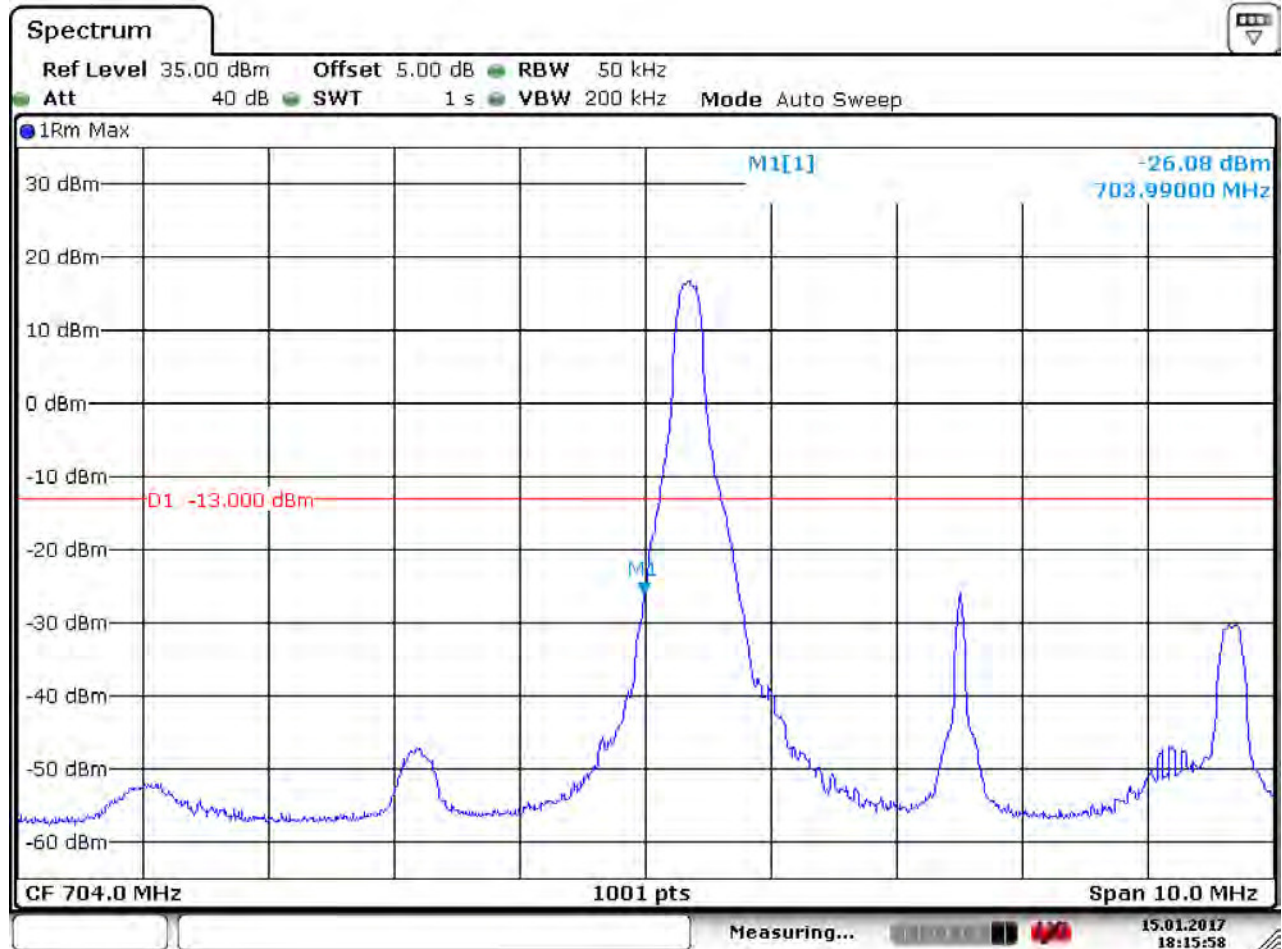
Date: 13.JAN.2017 11:54:11



5.1.1.3 Test Mode = LTE/TM3 5MHz

5.1.1.3.1 Test Channel = LCH

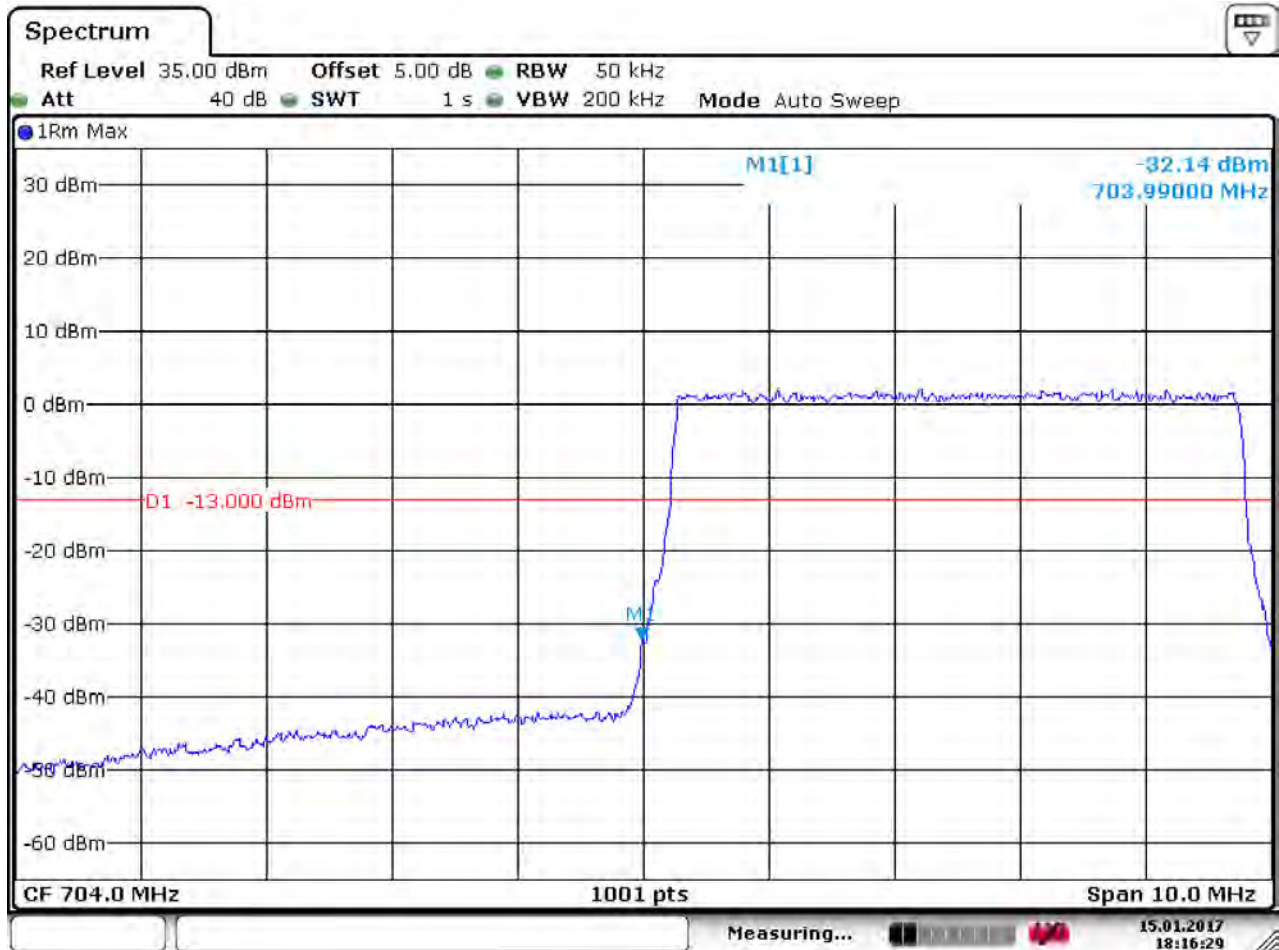
5.1.1.3.1.1 Test RB=1RB



Date: 15.JAN.2017 18:15:58



5.1.1.3.1.2 Test RB=25RB

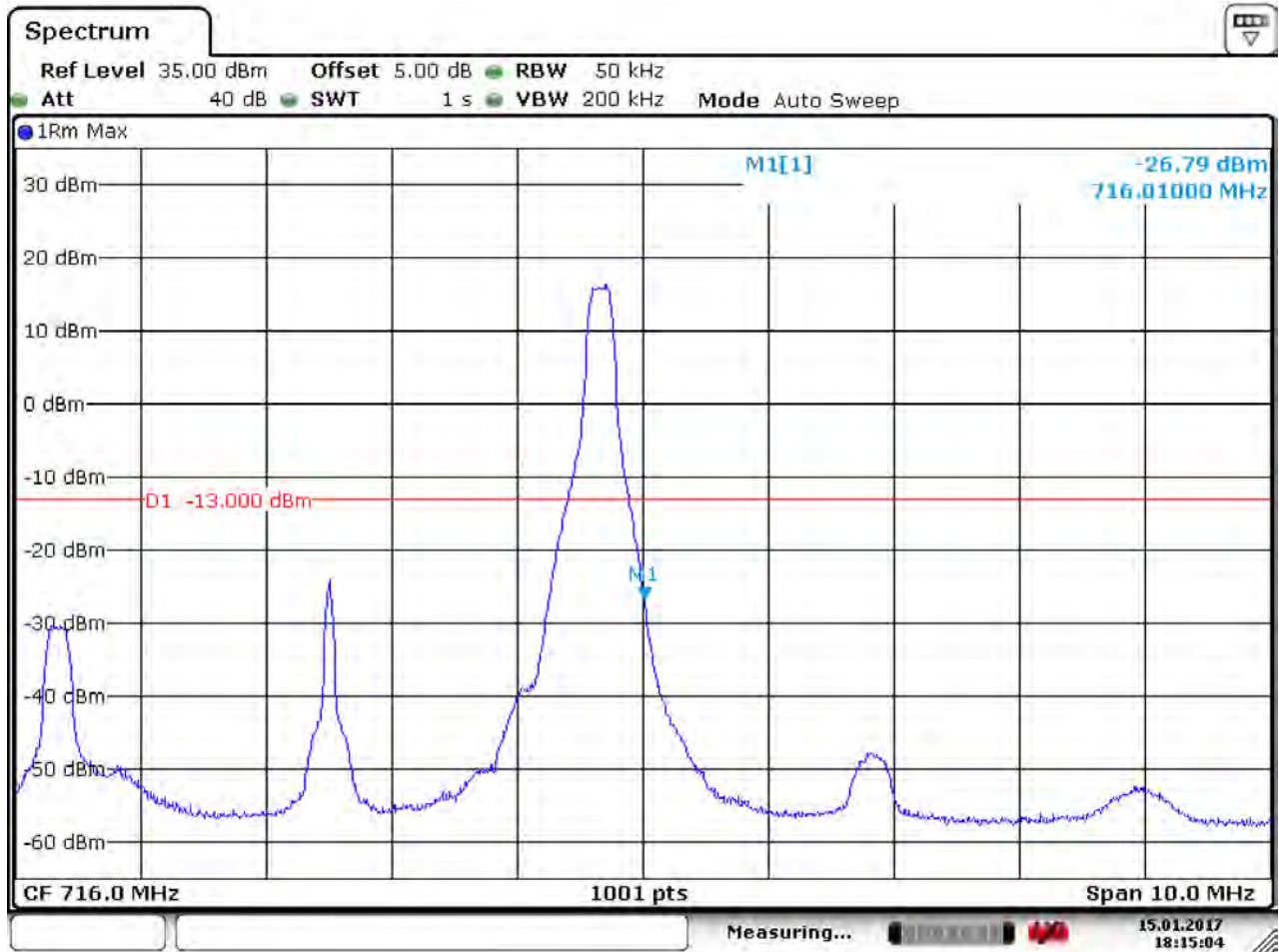


Date: 15, JAN. 2017 18:16:29



5.1.1.3.2 Test Channel = HCH

5.1.1.3.2.1 Test RB=1RB

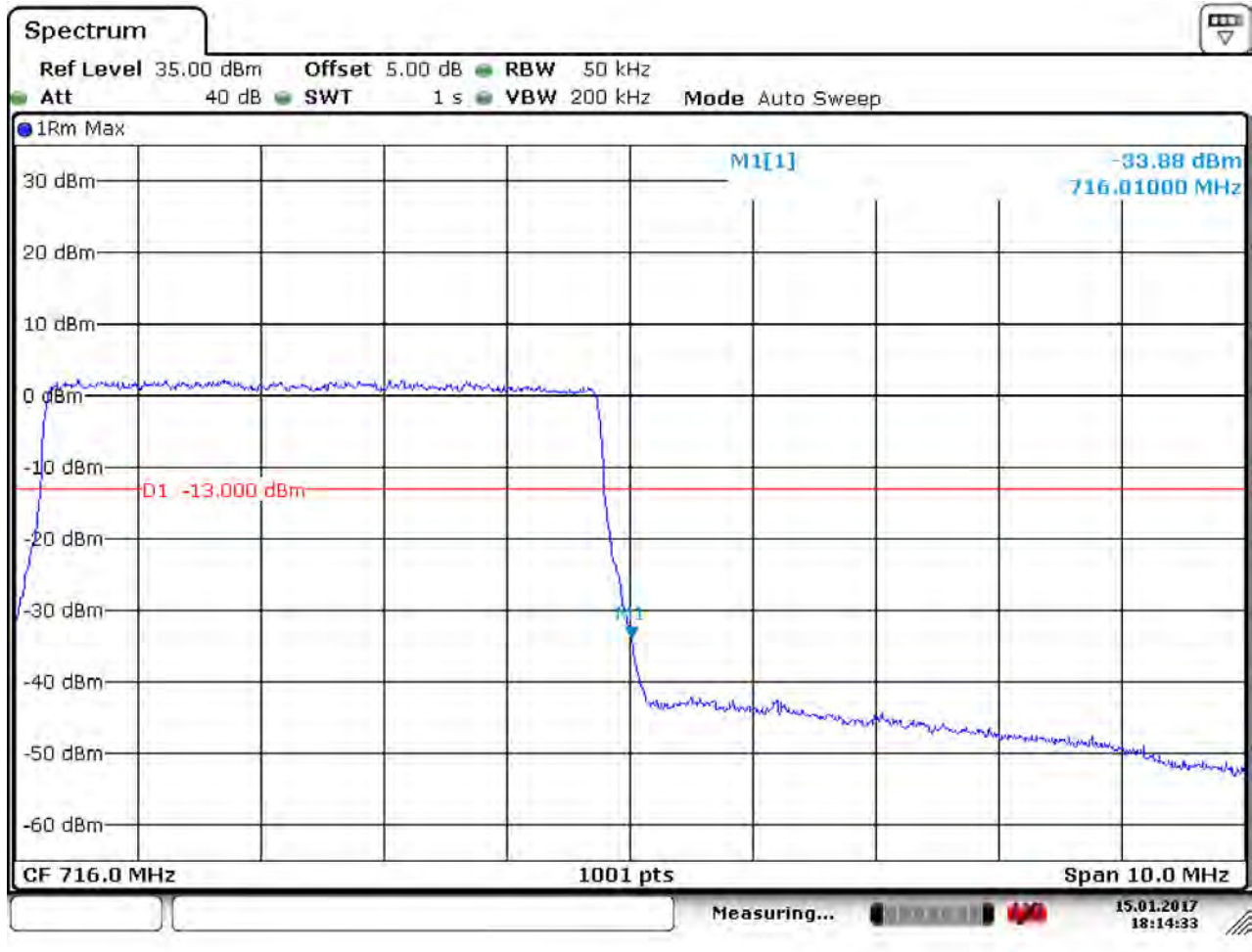


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5.1.1.3.2.2 Test RB=25RB



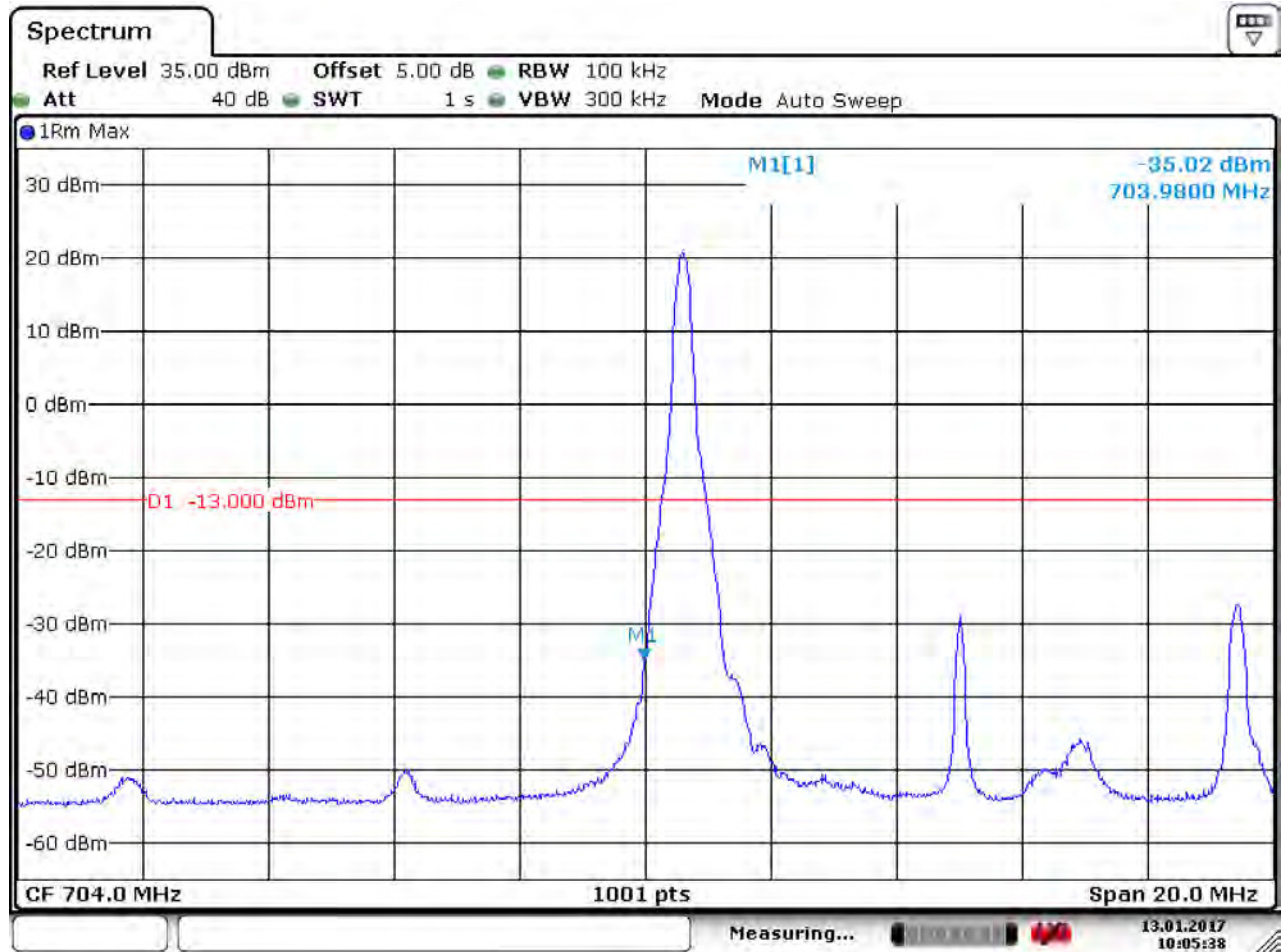
Date: 15, JAN. 2017 18:14:33



5.1.1.4 Test Mode = LTE/TM1 10MHz

5.1.1.4.1 Test Channel = LCH

5.1.1.4.1.1 Test RB=1RB

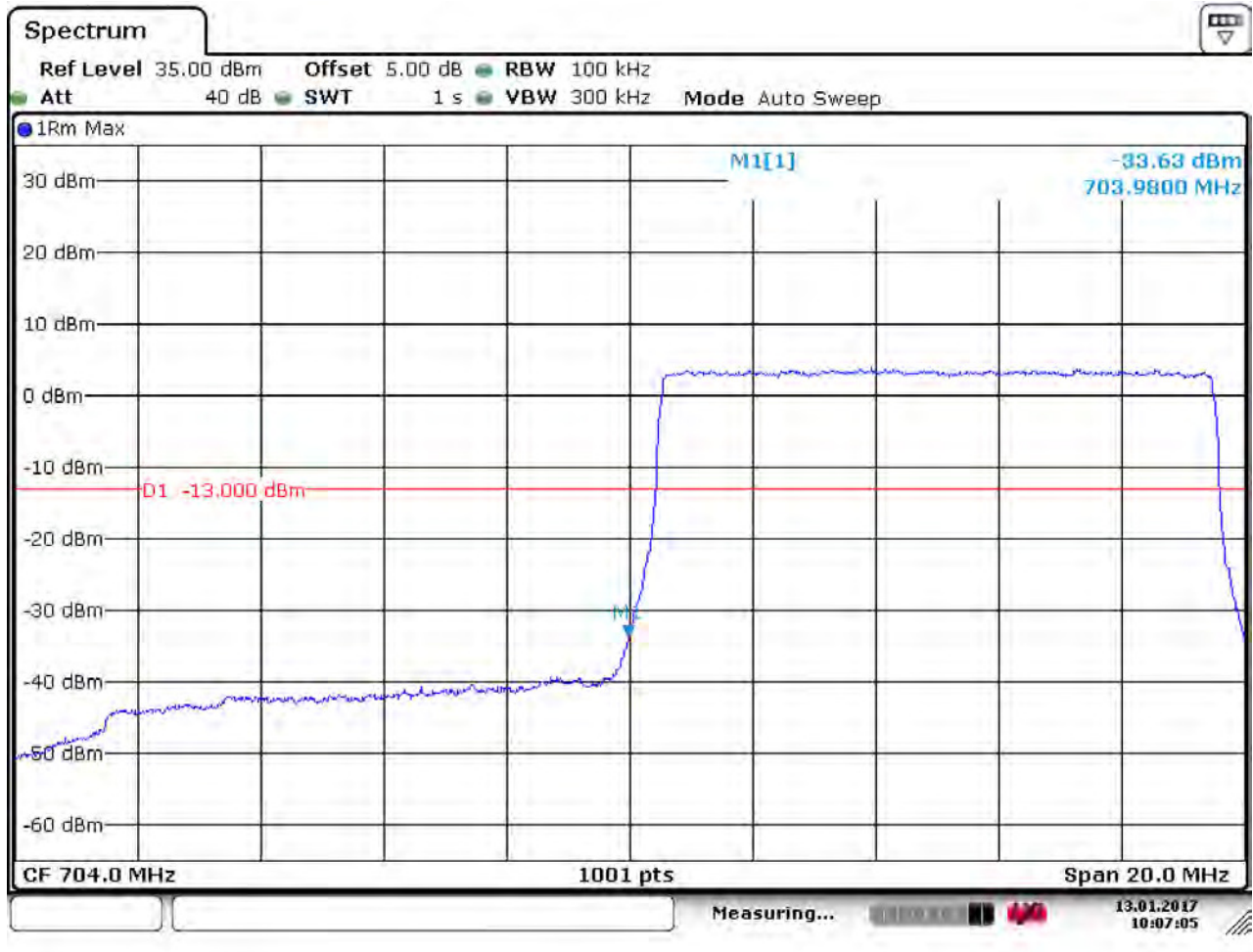


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5.1.1.4.1.2 Test RB=50RB



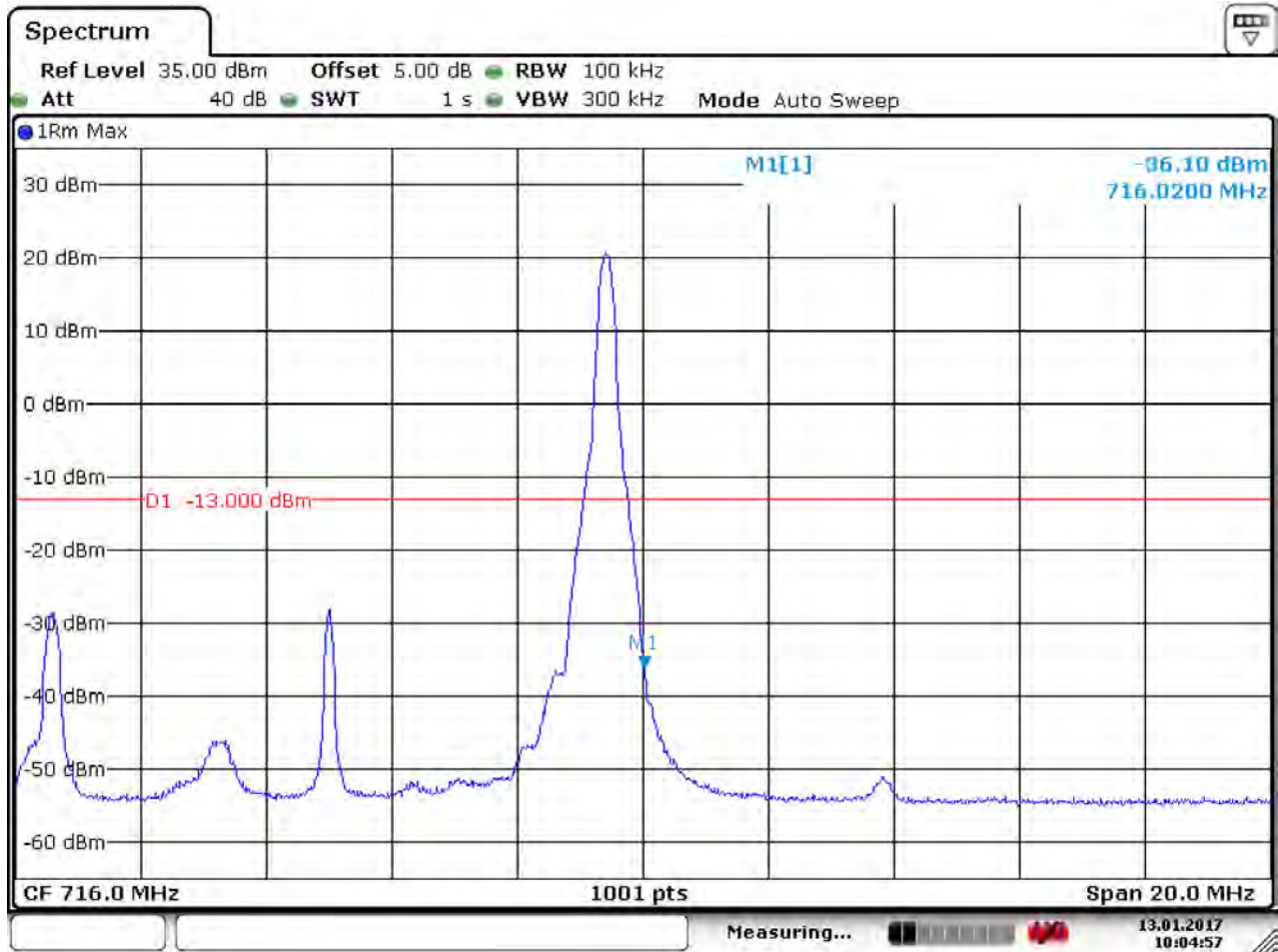
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5.1.1.4.2 Test Channel = HCH

5.1.1.4.2.1 Test RB=1RB

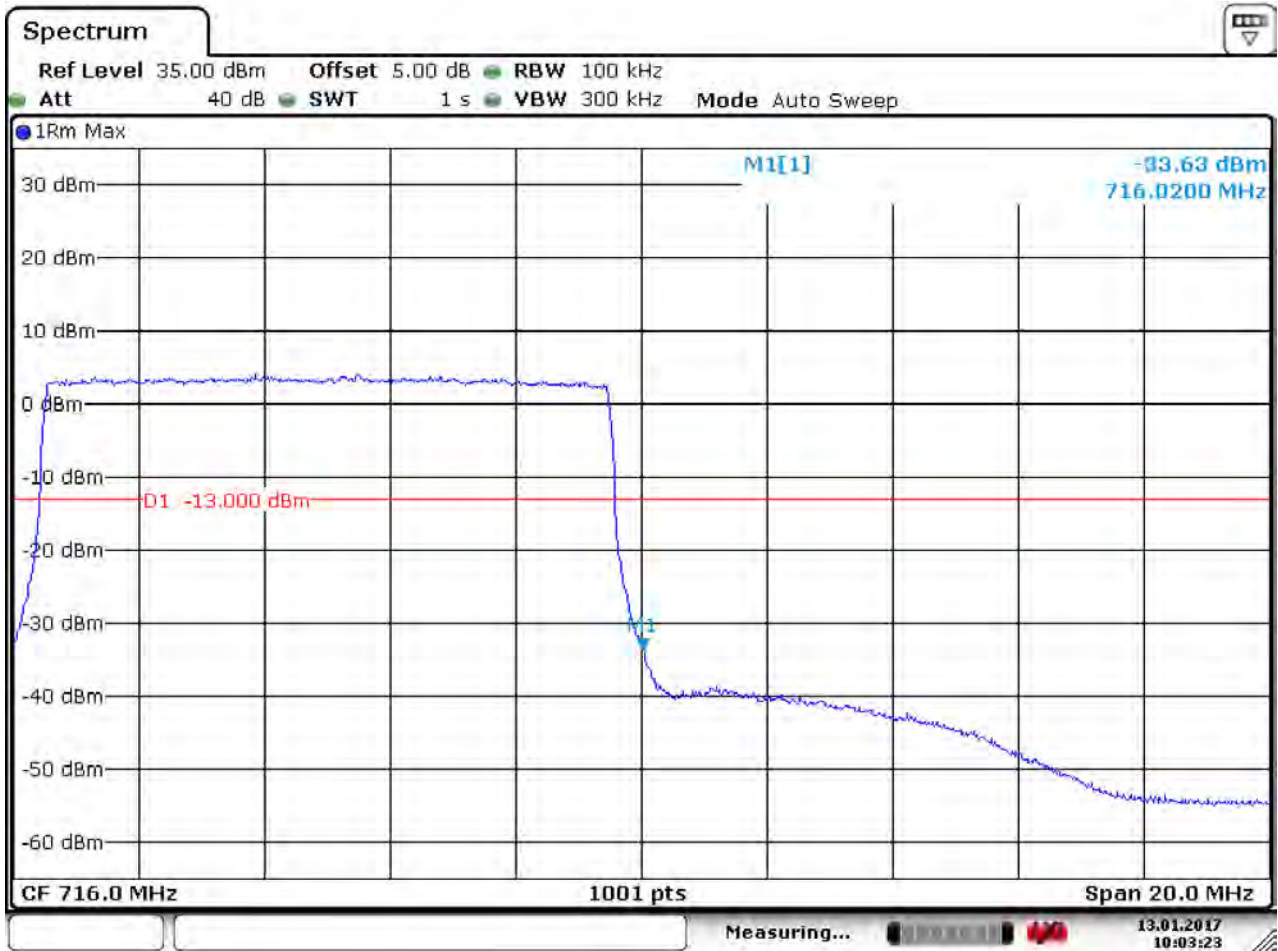


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5.1.1.4.2.2 Test RB=50RB



Date: 13.JAN.2017 10:03:23

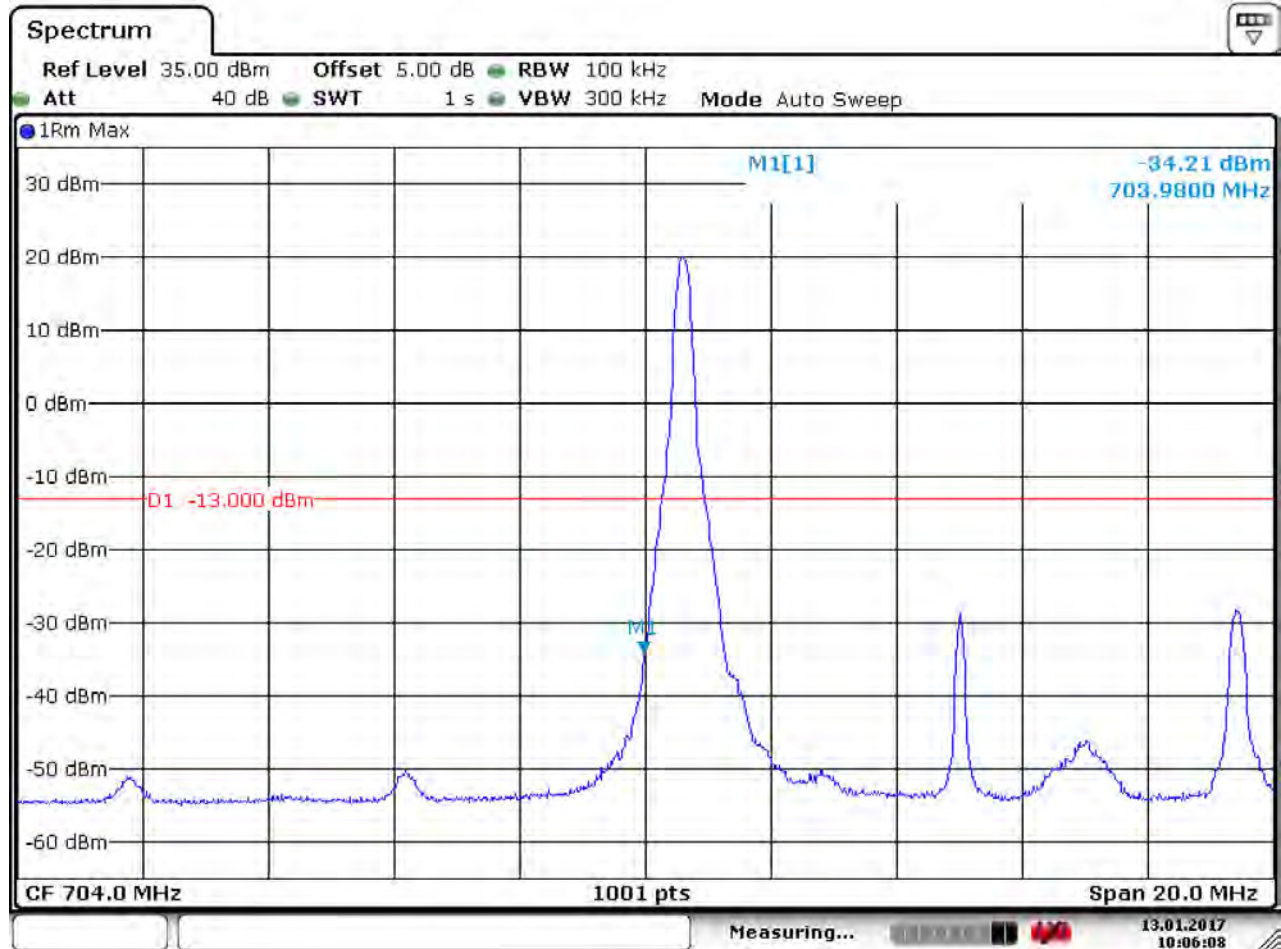
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5.1.1.5 Test Mode = LTE/TM2 10MHz

5.1.1.5.1 Test Channel = LCH

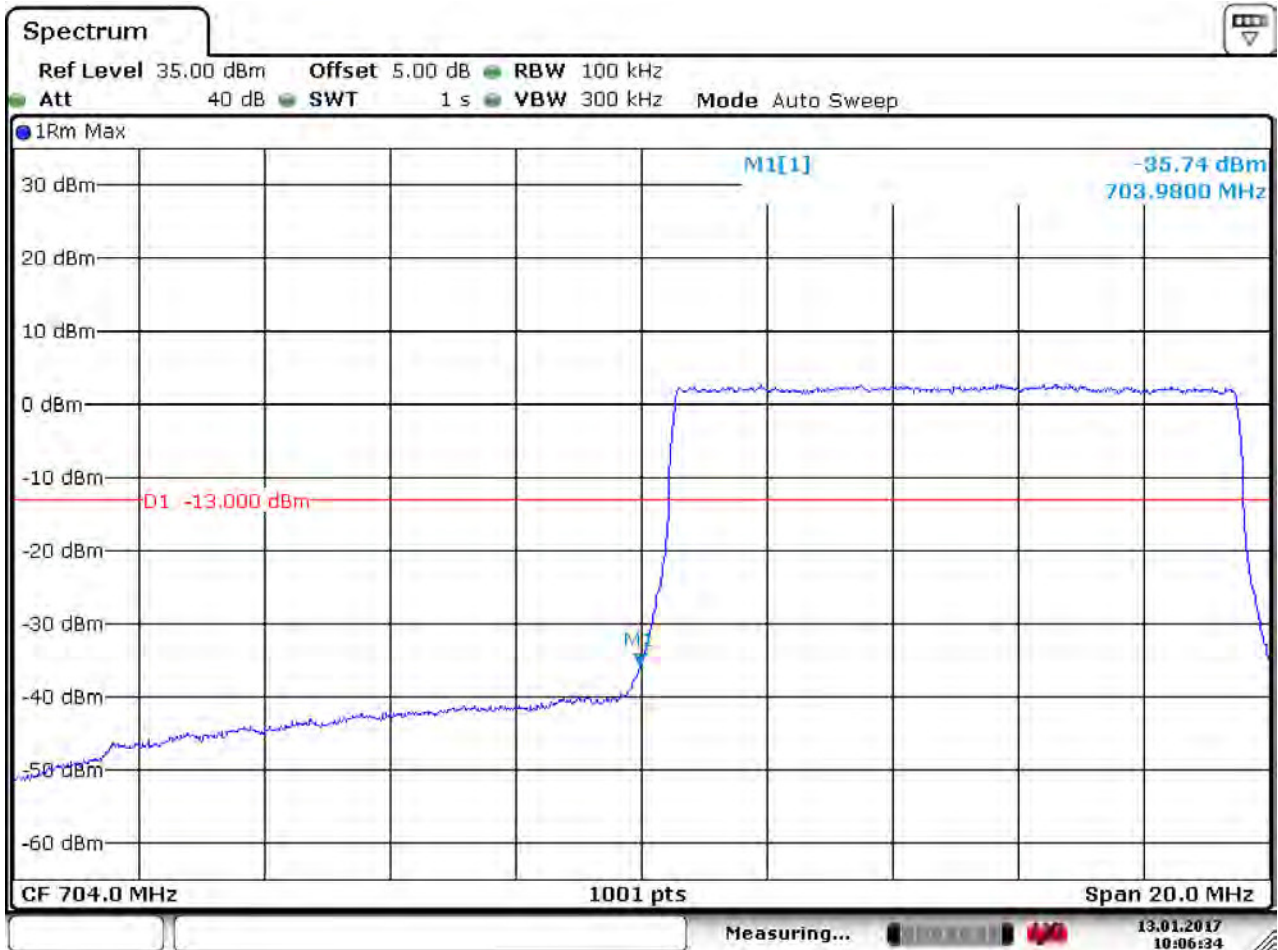
5.1.1.5.1.1 Test RB=1RB



Date: 13.JAN.2017 10:06:09



5.1.1.5.1.2 Test RB=50RB



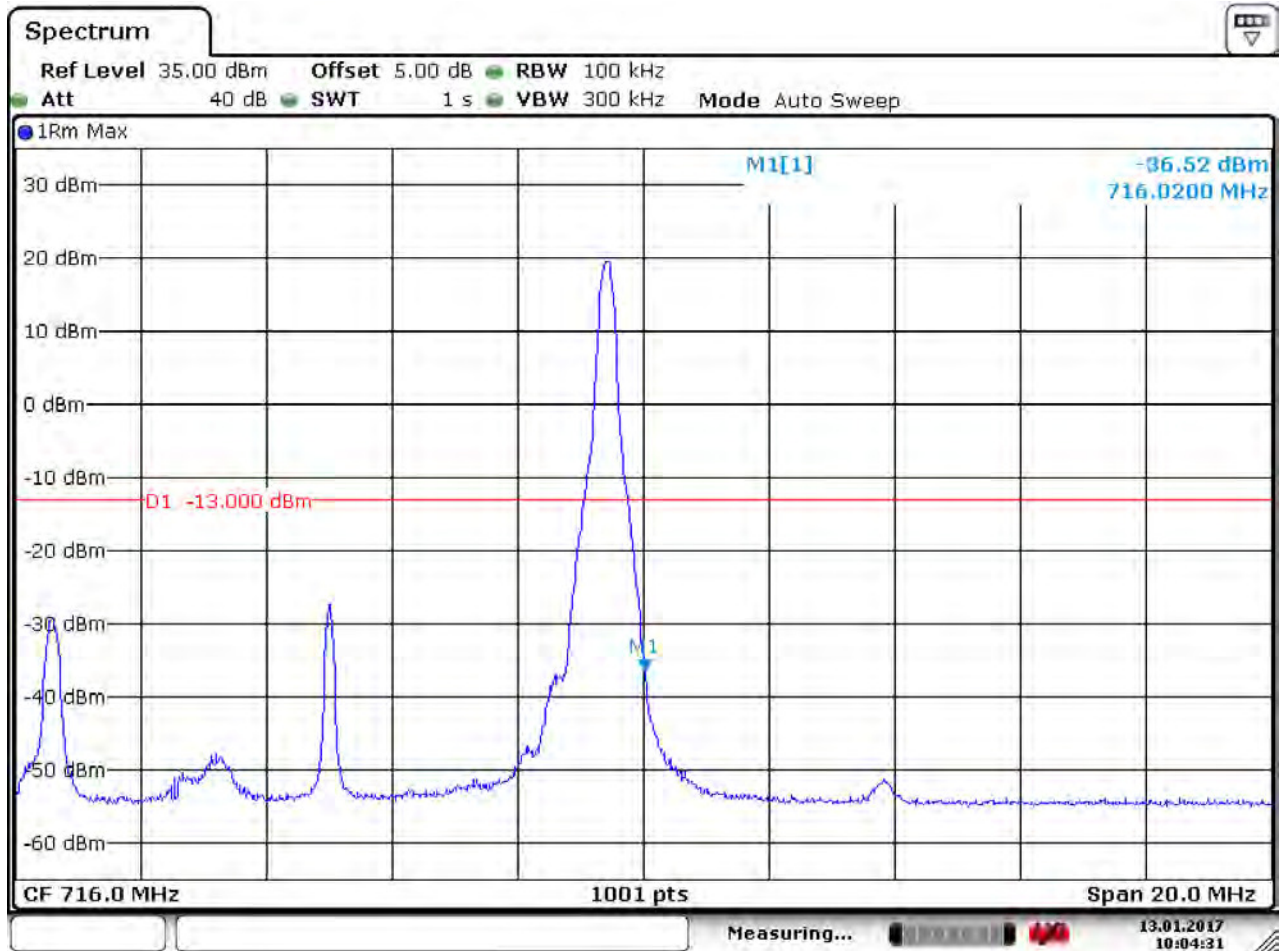
Date: 13.JAN.2017 10:06:35

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5.1.1.5.2 Test Channel = HCH

5.1.1.5.2.1 Test RB=1RB



Date: 13.JAN.2017 10:04:31

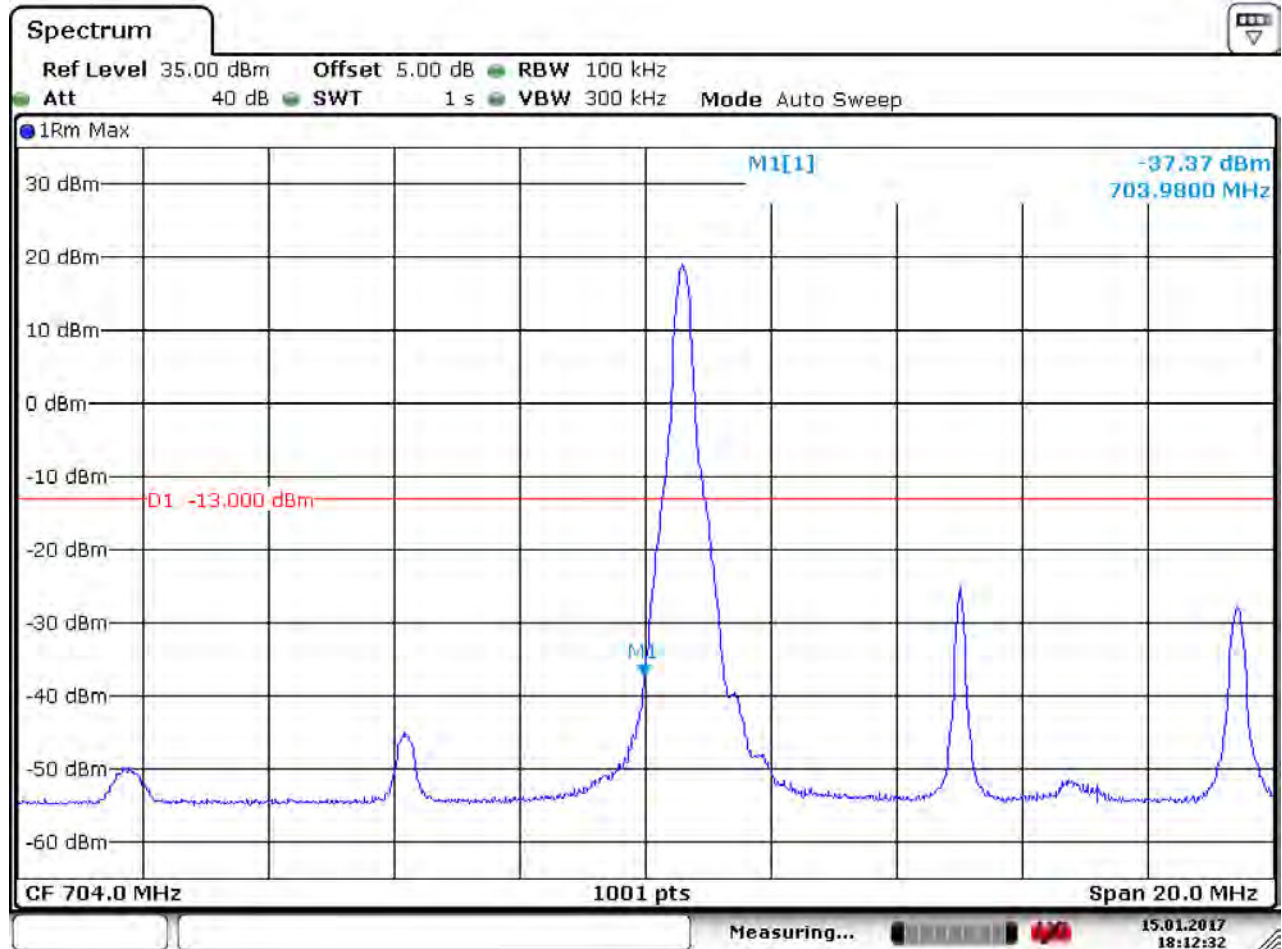
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5.1.1.6 Test Mode = LTE/TM3 10MHz

5.1.1.6.1 Test Channel = LCH

5.1.1.6.1.1 Test RB=1RB

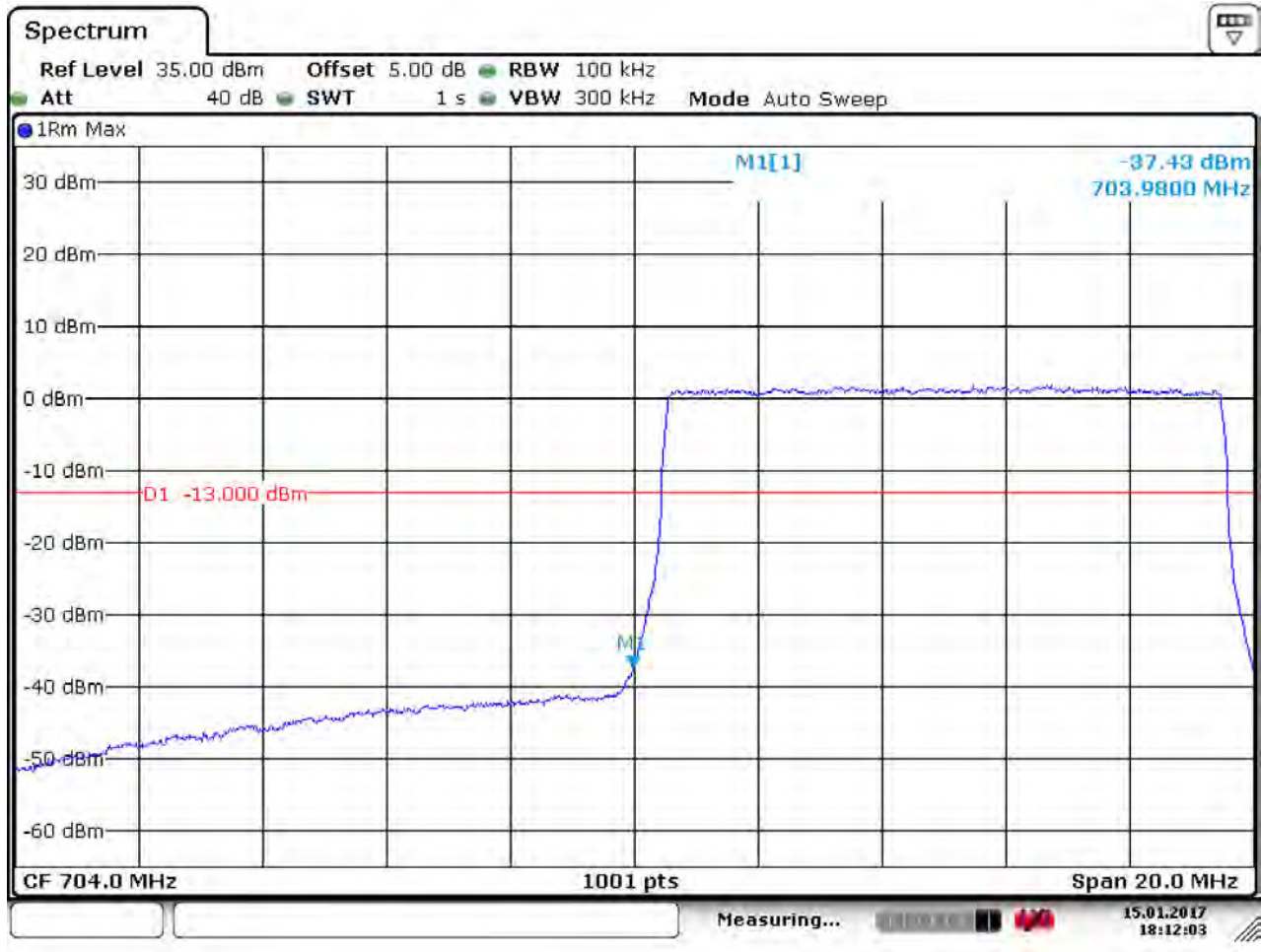


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5.1.1.6.1.2 Test RB=50RB



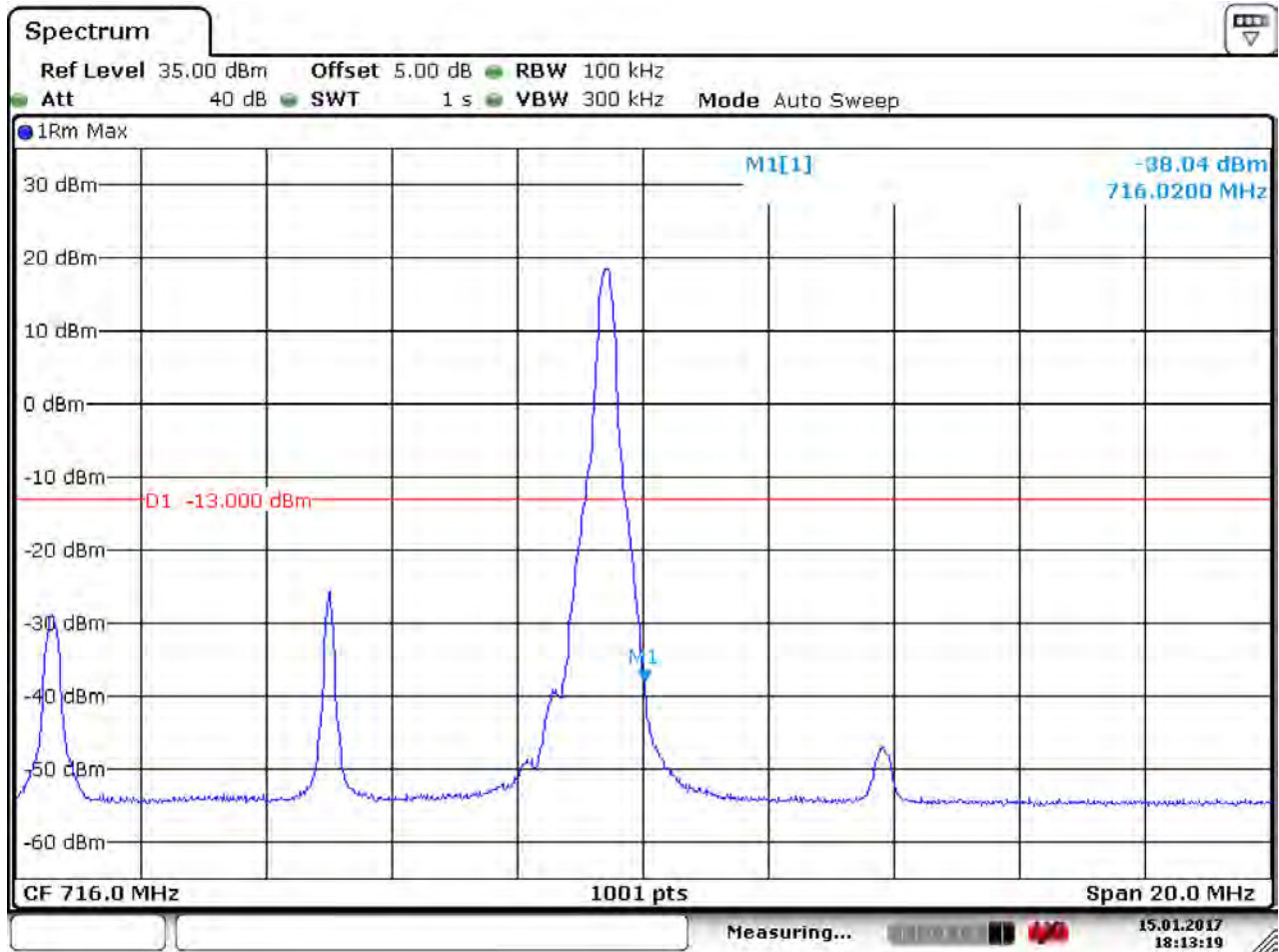
Date: 15, JAN. 2017 18:12:03

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5.1.1.6.2 Test Channel = HCH

5.1.1.6.2.1 Test RB=1RB



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5.1.1.6.2.2 Test RB=50RB



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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.

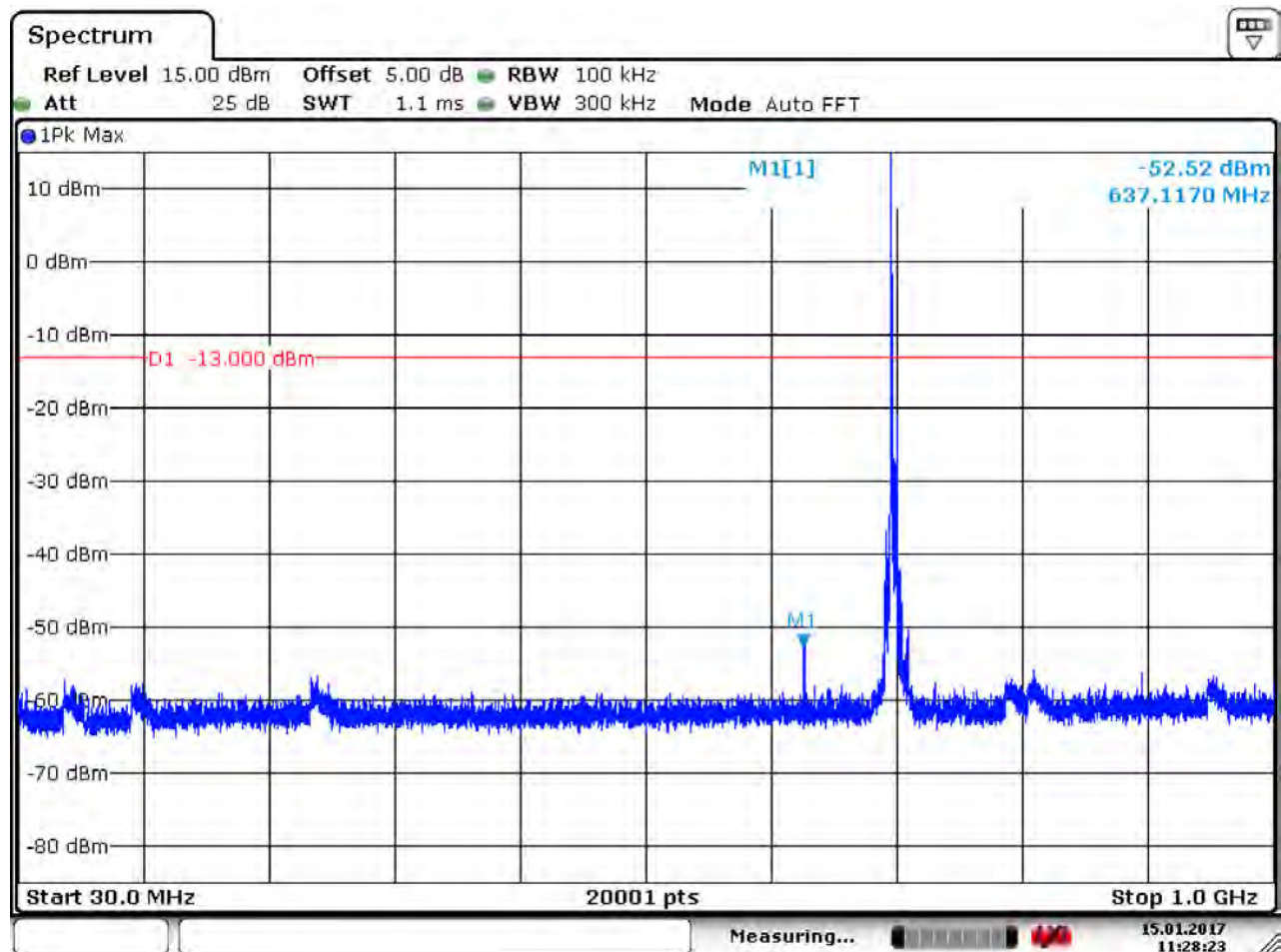
Part I - Test Plots

6.1 For LTE

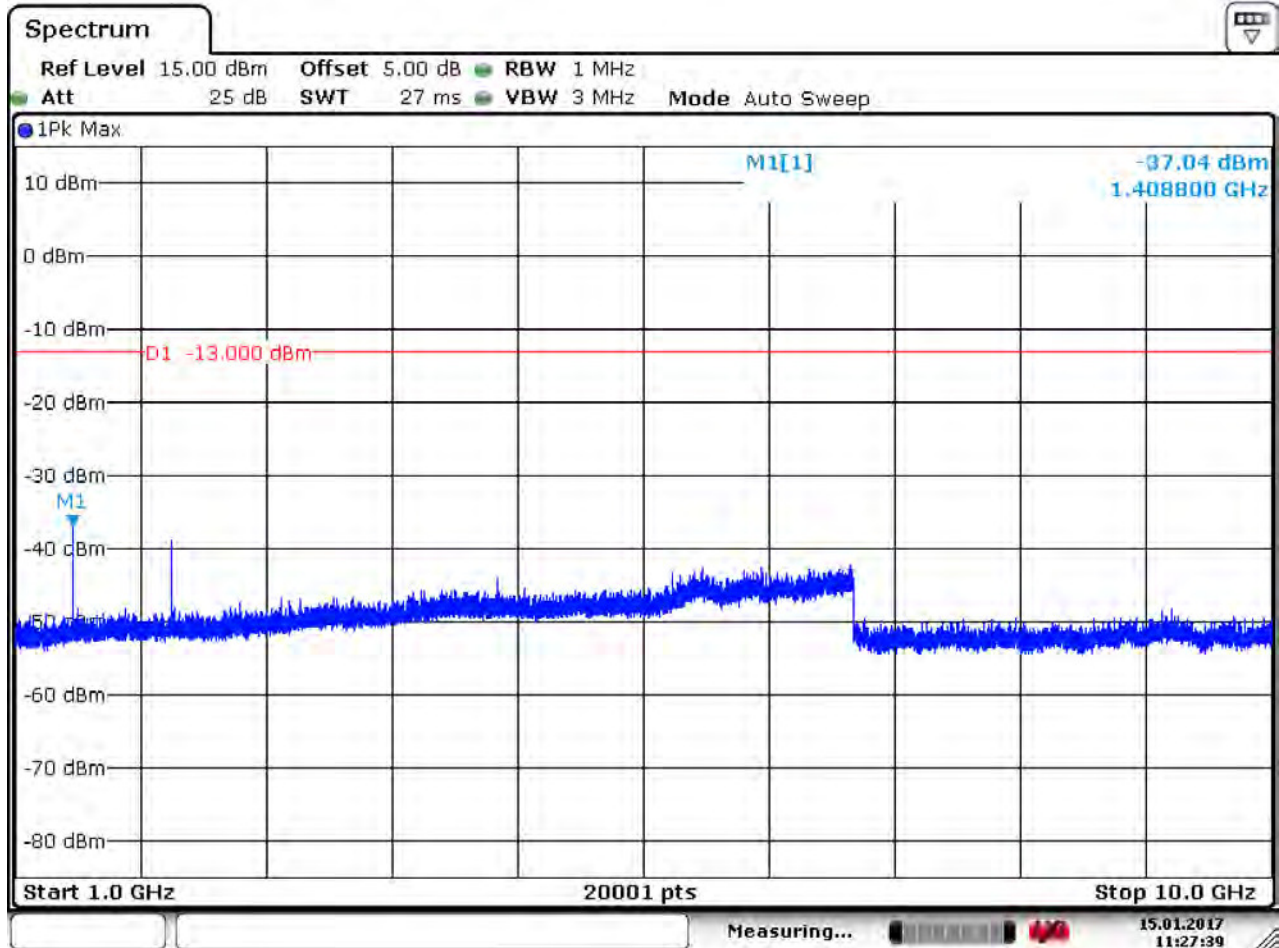
6.1.1 Test Band = LTE band17

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

6.1.1.1.1 Test Channel = LCH



Date: 15.JAN.2017 11:28:24

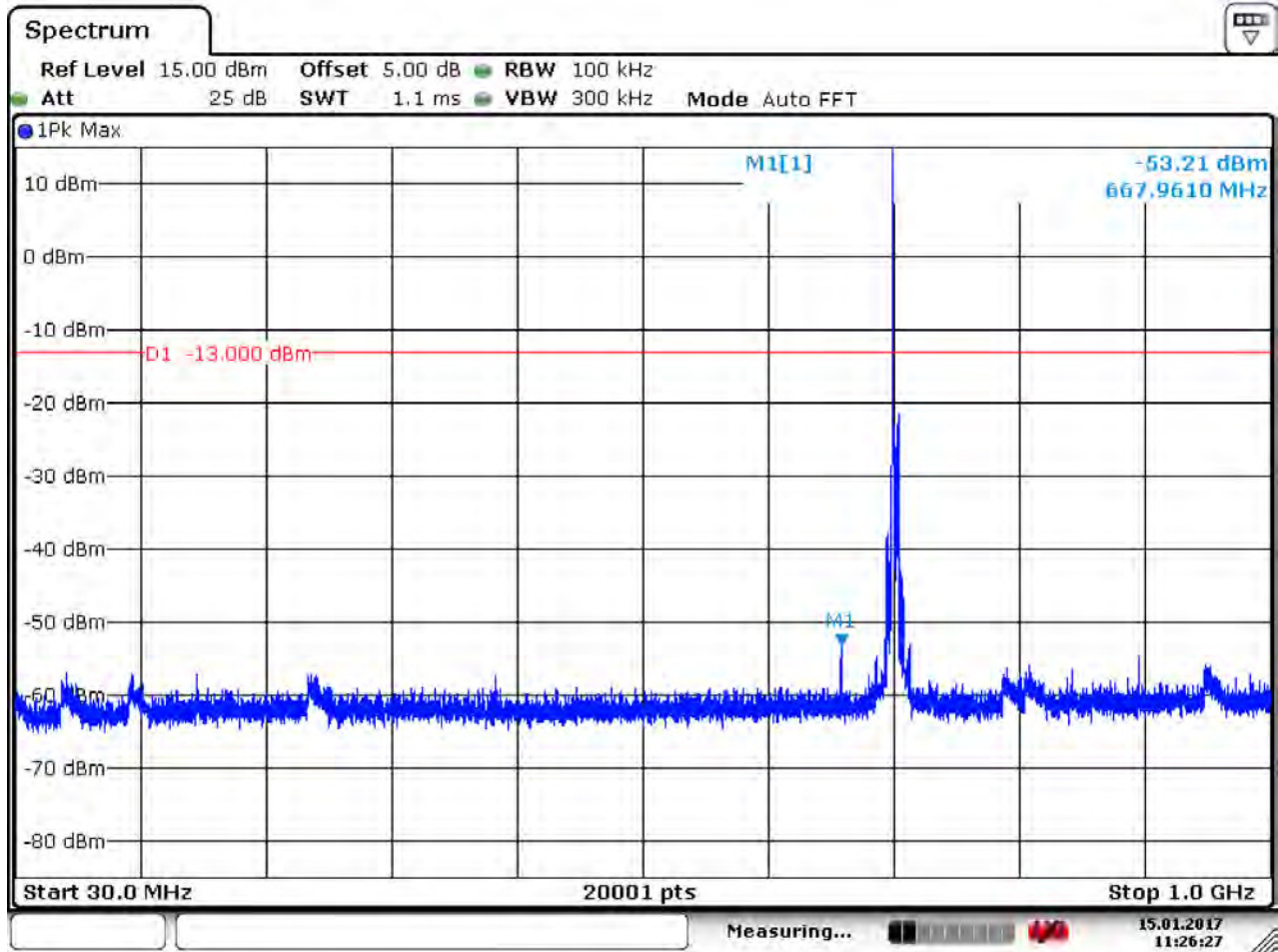


Date: 15.JAN.2017 11:27:39

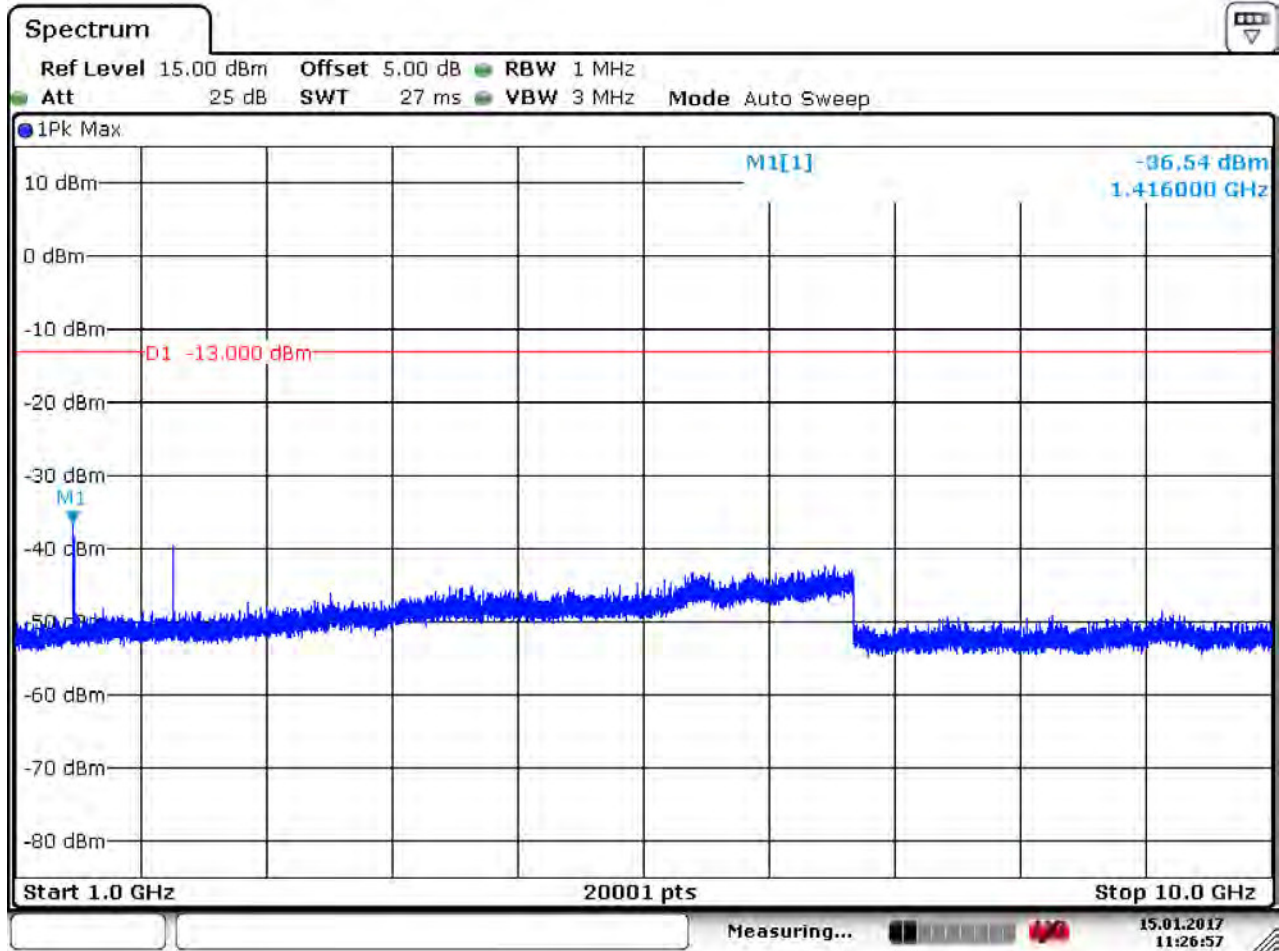
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6.1.1.1.2 Test Channel = MCH



Date: 15.JAN.2017 11:26:27

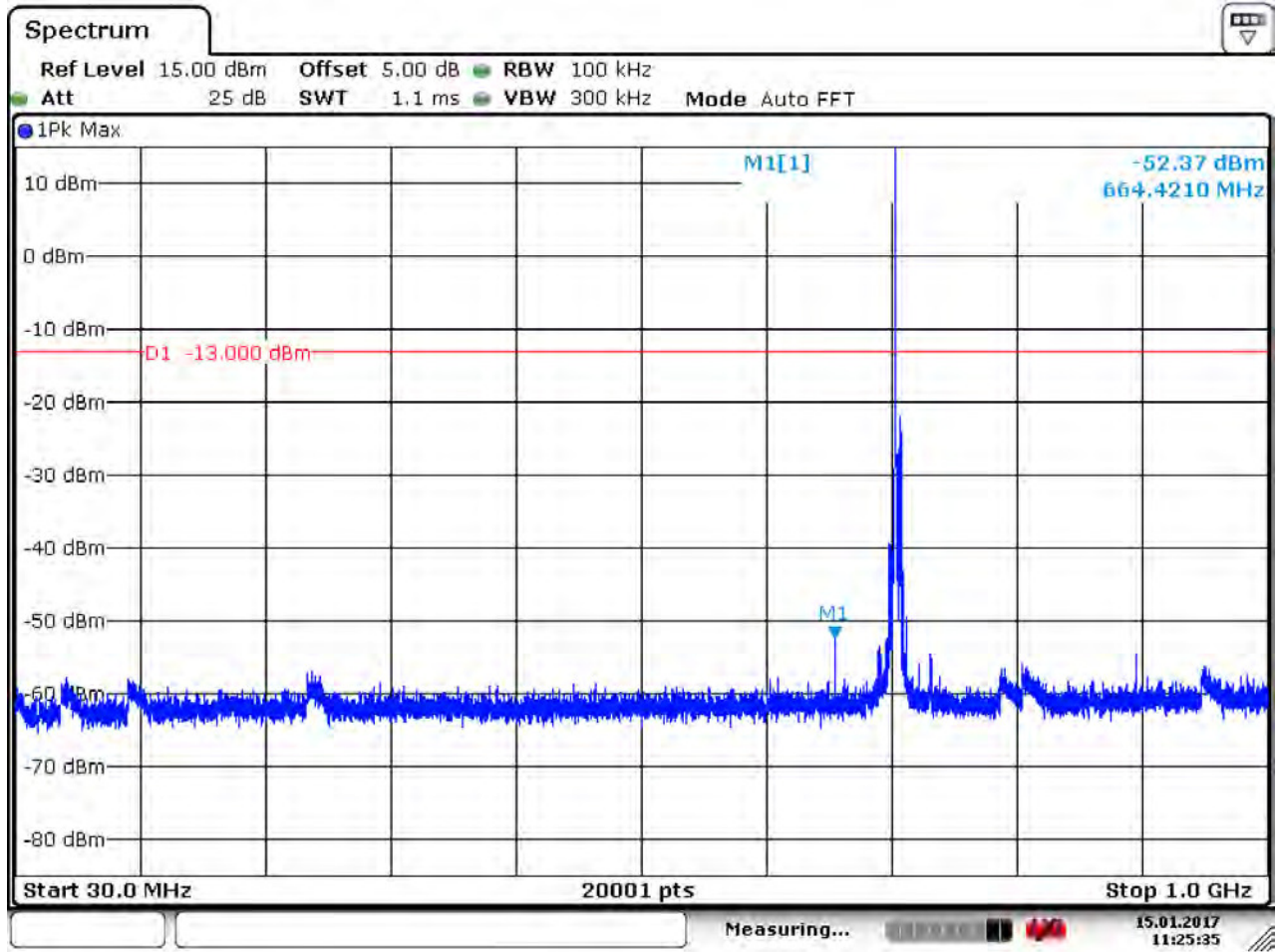


Date: 15.JAN.2017 11:26:57

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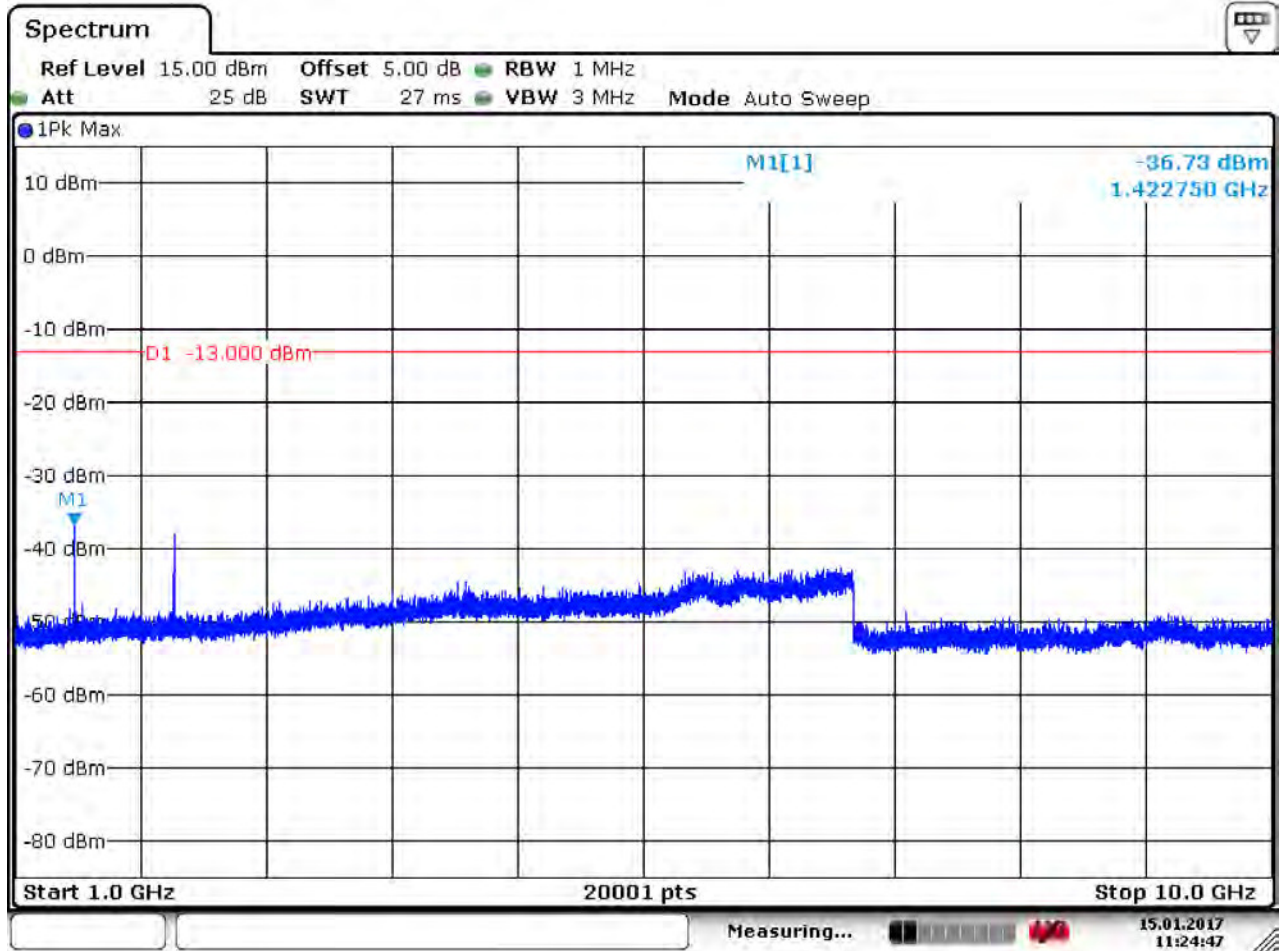


6.1.1.1.3 Test Channel = HCH



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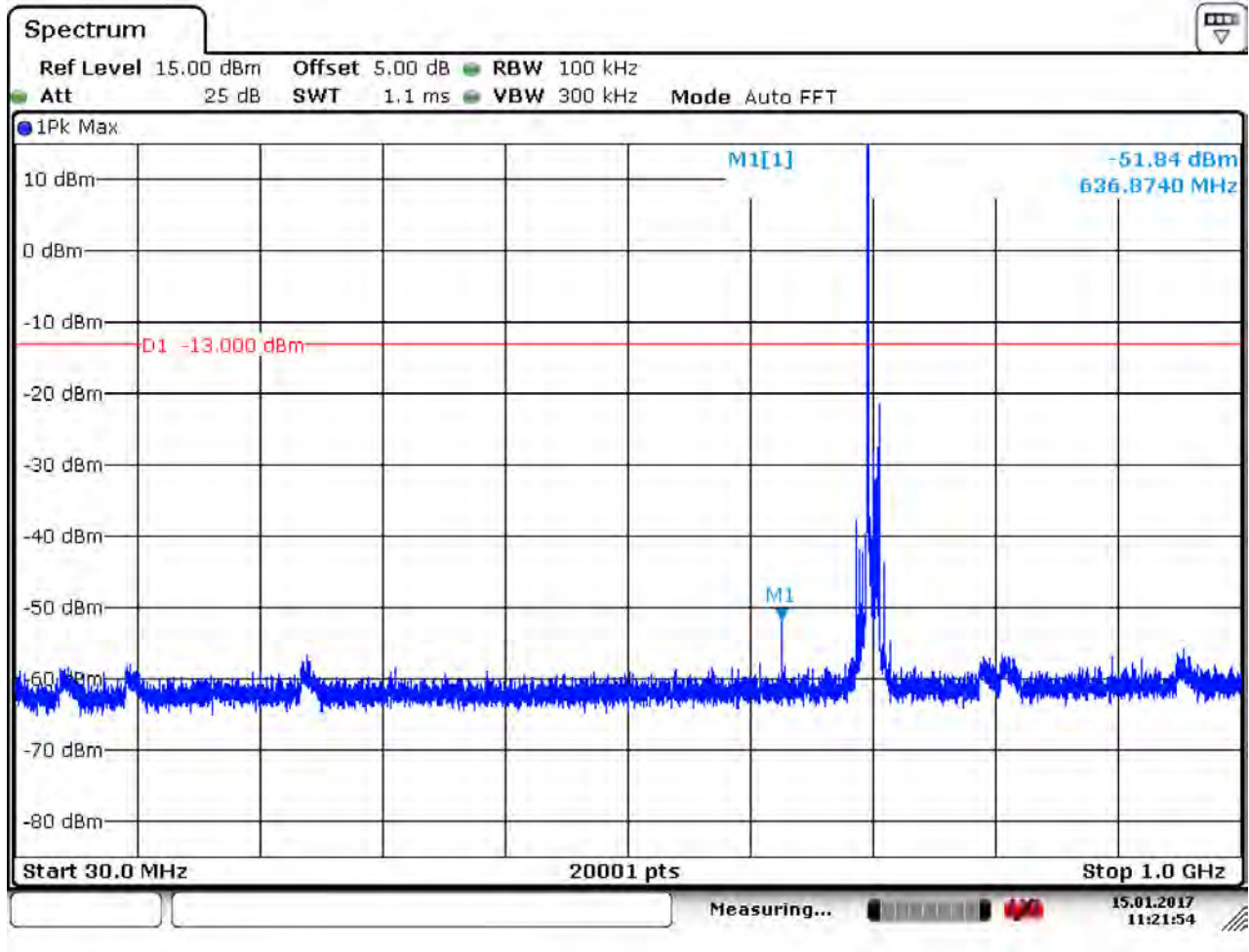


Date: 15.JAN.2017 11:24:48

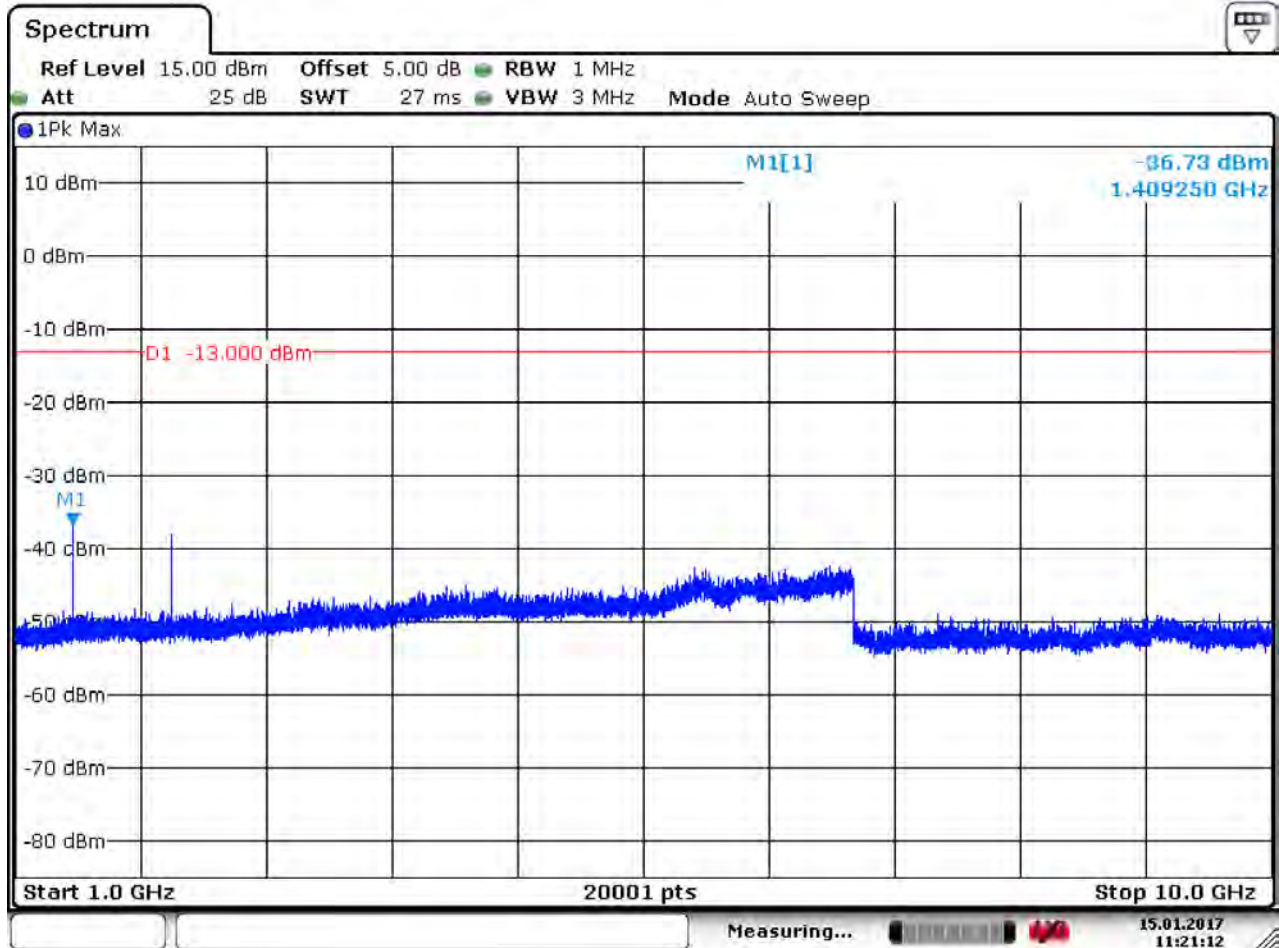


6.1.1.2 Test Mode = LTE / TM1 10MHz RB1#0

6.1.1.2.1 Test Channel = LCH



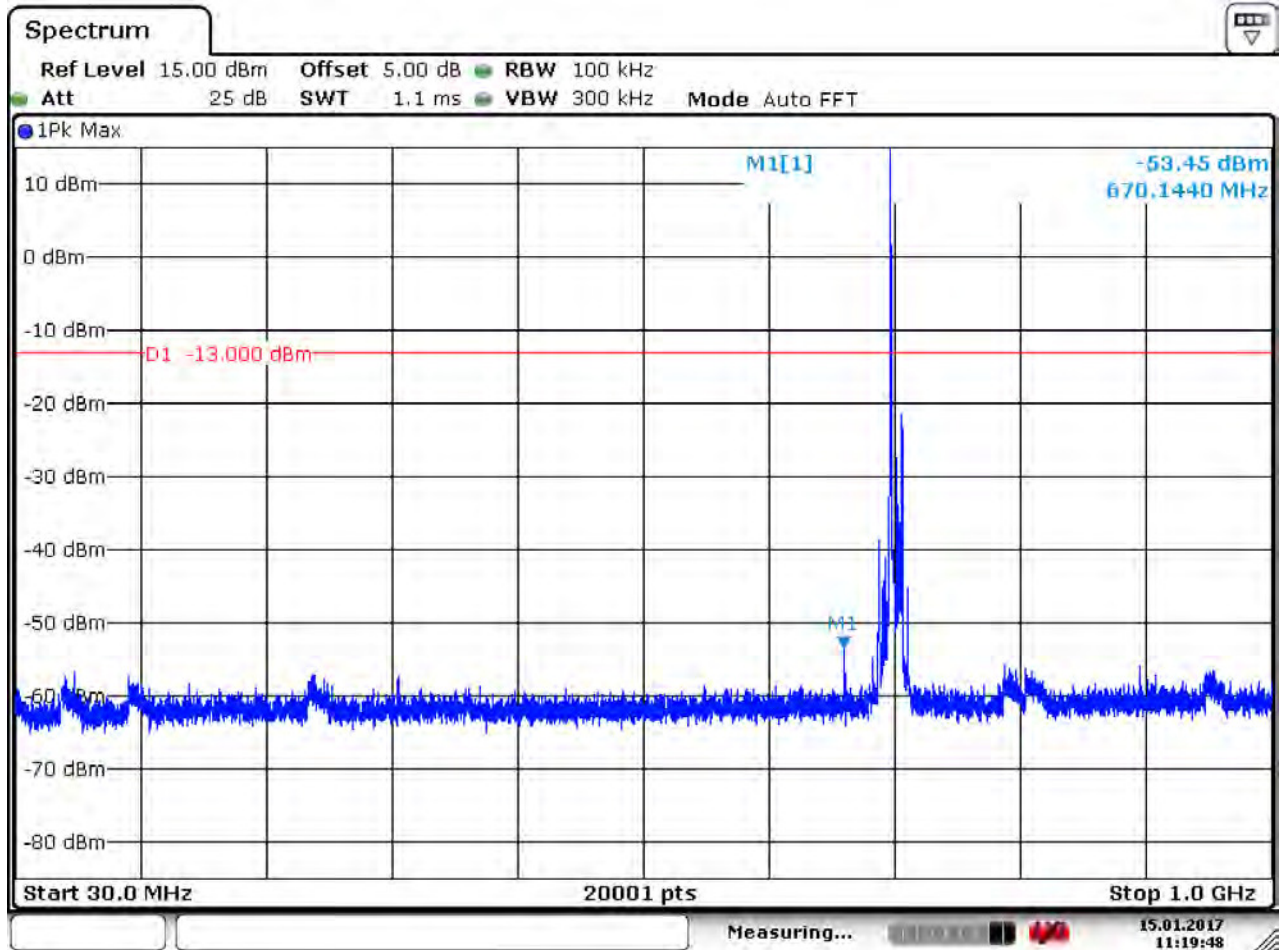
Date: 15.JAN.2017 11:21:54



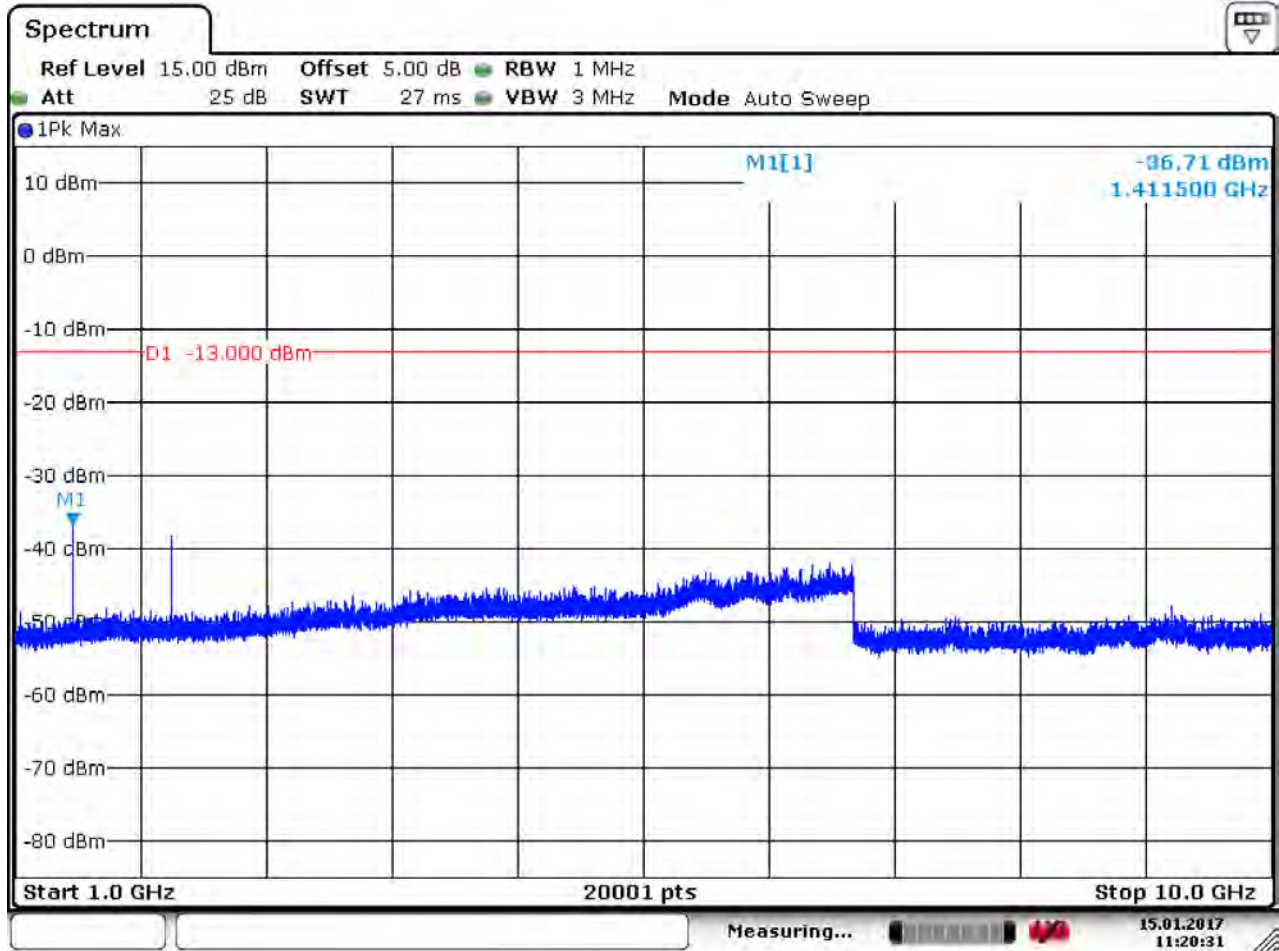
Date: 15.JAN.2017 11:21:12



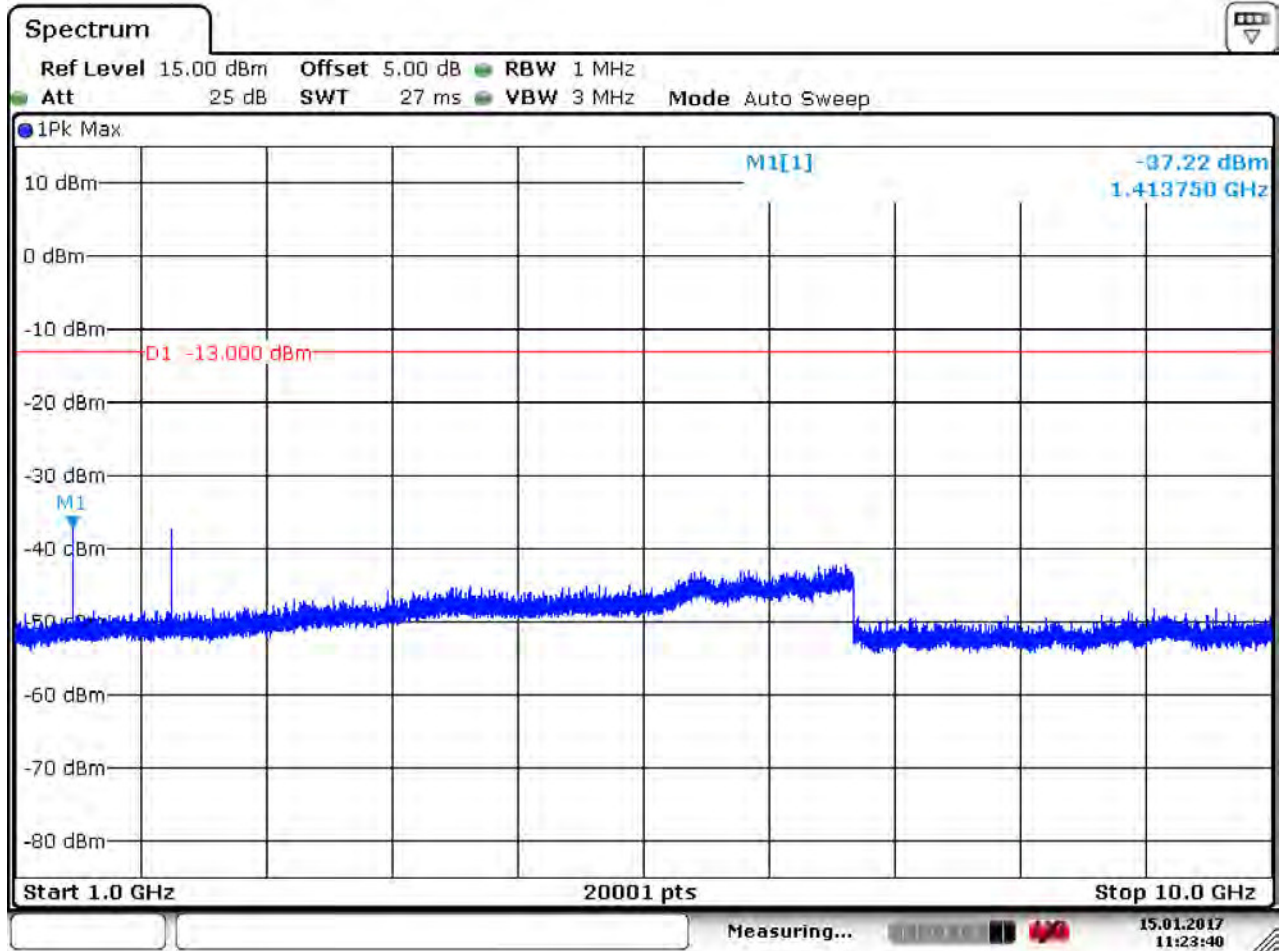
6.1.1.2.2 Test Channel = MCH



Date: 15.JAN.2017 11:19:49



Date: 15.JAN.2017 11:20:31



Date: 15.JAN.2017 11:23:40

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7 Field Strength of Spurious Radiation

7.1 For LTE

7.1.1 Test Band = LTEband17

7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1177.000	-66.80	-13.00	-53.80	Vertical
2712.000	-57.36	-13.00	-44.36	Vertical
3975.000	-67.94	-13.00	-54.94	Vertical
1452.000	-66.27	-13.00	-53.27	Horizontal
2360.000	-58.96	-13.00	-45.96	Horizontal
6217.500	-65.85	-13.00	-52.85	Horizontal

Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
901.000	-75.75	-13.00	-62.75	Vertical
1419.000	-67.24	-13.00	-54.24	Vertical
1914.000	-63.25	-13.00	-50.25	Vertical
2232.000	-59.28	-13.00	-46.28	Horizontal
3975.000	-68.29	-13.00	-55.29	Horizontal
4852.500	-67.07	-13.00	-54.07	Horizontal

7.1.1.1.2 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1474.000	-66.43	-13.00	-53.43	Vertical
1738.000	-63.98	-13.00	-50.98	Vertical
4950.000	-66.83	-13.00	-53.83	Vertical
1661.000	-64.89	-13.00	-51.89	Horizontal
2090.000	-62.75	-13.00	-49.75	Horizontal
4267.500	-67.43	-13.00	-54.43	Horizontal

NOTE:

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

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8 Frequency Stability

8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE Band 17	LTE/TM1 10MHz	LCH	TN	VL	0.57	0.00080	PASS
				VN	-3.74	-0.00527	PASS
				VH	6.19	0.00873	PASS
		MCH	TN	VL	1.82	0.00256	PASS
				VN	-0.44	-0.00061	PASS
				VH	4.47	0.00630	PASS
		HCH	TN	VL	2.47	0.00347	PASS
				VN	-2.10	-0.00295	PASS
				VH	4.81	0.00676	PASS
	LTE /TM2 10MHz	LCH	TN	VL	-0.64	-0.00090	PASS
				VN	-5.23	-0.00738	PASS
				VH	-2.78	-0.00391	PASS
		MCH	TN	VL	1.71	0.00241	PASS
				VN	-3.84	-0.00540	PASS
				VH	-5.24	-0.00738	PASS
		HCH	TN	VL	-0.69	-0.00098	PASS
				VN	-0.88	-0.00124	PASS
				VH	4.29	0.00603	PASS
	LTE /TM3 10MHz	LCH	TN	VL	0.53	0.00075	PASS
				VN	-0.67	-0.00094	PASS
				VH	6.26	0.00883	PASS
		MCH	TN	VL	4.75	0.00669	PASS
				VN	4.82	0.00679	PASS
				VH	3.20	0.00450	PASS
		HCH	TN	VL	6.05	0.00851	PASS
				VN	-0.31	-0.00044	PASS
				VH	1.23	0.00174	PASS



8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE Band 17	LTE/TM1 10MHz	LCH	VN	-30	-5.69	-0.00803	PASS
				-20	-3.90	-0.00550	PASS
				-10	4.65	0.00655	PASS
				0	7.00	0.00987	PASS
				10	-2.70	-0.00380	PASS
				20	0.31	0.00044	PASS
				30	-0.57	-0.00080	PASS
				40	4.15	0.00586	PASS
				50	6.84	0.00965	PASS
		MCH	VN	-30	6.29	0.00885	PASS
				-20	-1.94	-0.00274	PASS
				-10	-2.63	-0.00370	PASS
				0	3.24	0.00456	PASS
				10	3.88	0.00547	PASS
				20	2.21	0.00312	PASS
				30	1.36	0.00192	PASS
				40	-6.37	-0.00897	PASS
				50	-1.52	-0.00215	PASS
		HCH	VN	-30	5.41	0.00761	PASS
				-20	-1.15	-0.00161	PASS
				-10	-3.76	-0.00530	PASS
				0	-6.10	-0.00858	PASS
				10	3.26	0.00459	PASS
				20	4.41	0.00621	PASS
				30	6.74	0.00948	PASS
				40	-4.31	-0.00606	PASS
				50	2.72	0.00382	PASS

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE Band 17	LTE/TM2 10MHz	LCH	VN	-30	-0.15	-0.00021	PASS
				-20	5.95	0.00839	PASS
				-10	5.94	0.00838	PASS
				0	1.69	0.00239	PASS
				10	-6.82	-0.00961	PASS
				20	2.13	0.00300	PASS
				30	-1.24	-0.00175	PASS
				40	-0.07	-0.00010	PASS
				50	4.36	0.00615	PASS
		MCH	VN	-30	3.06	0.00432	PASS
				-20	6.94	0.00977	PASS
				-10	5.68	0.00801	PASS
				0	-1.55	-0.00218	PASS
				10	-2.45	-0.00346	PASS
				20	1.22	0.00172	PASS
				30	-6.13	-0.00863	PASS
				40	-5.89	-0.00830	PASS
				50	-3.09	-0.00436	PASS
		HCH	VN	-30	-4.90	-0.00690	PASS
				-20	-0.35	-0.00049	PASS
				-10	1.98	0.00279	PASS
				0	0.99	0.00139	PASS
				10	2.26	0.00318	PASS
				20	5.15	0.00724	PASS
				30	4.50	0.00632	PASS
				40	-2.72	-0.00383	PASS
				50	0.88	0.00124	PASS

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE Band 17	LTE/TM3 10MHz	LCH	VN	-30	-2.40	-0.00338	PASS
				-20	-6.71	-0.00946	PASS
				-10	-5.07	-0.00715	PASS
				0	1.43	0.00202	PASS
				10	-1.01	-0.00142	PASS
				20	-3.06	-0.00431	PASS
				30	4.12	0.00582	PASS
				40	3.15	0.00445	PASS
				50	-4.46	-0.00629	PASS
		MCH	VN	-30	-5.42	-0.00763	PASS
				-20	4.39	0.00619	PASS
				-10	-0.26	-0.00037	PASS
				0	4.31	0.00607	PASS
				10	-3.29	-0.00463	PASS
				20	0.67	0.00095	PASS
				30	-0.60	-0.00084	PASS
				40	-6.29	-0.00885	PASS
				50	-1.72	-0.00243	PASS
		HCH	VN	-30	-6.04	-0.00850	PASS
				-20	4.81	0.00677	PASS
				-10	2.31	0.00325	PASS
				0	-0.32	-0.00044	PASS
				10	-0.32	-0.00045	PASS
				20	-6.65	-0.00935	PASS
				30	-3.92	-0.00552	PASS
				40	5.74	0.00807	PASS
				50	-3.15	-0.00442	PASS

The End

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