



Appendix B

Test Data for SZEM161201074805RG



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1 Effective (Isotropic) Radiated Power Output Data

Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE BAND 7

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND7	LTE/TM1	5M	LCH	RB1#0	23.02	23.51	33.00	PASS
				RB1#13	23.05	23.54	33.00	PASS
				RB1#24	23.00	23.49	33.00	PASS
				RB12#0	22.14	22.63	33.00	PASS
				RB12#6	22.14	22.63	33.00	PASS
				RB12#13	22.14	22.63	33.00	PASS
				RB25#0	22.14	22.63	33.00	PASS
			MCH	RB1#0	23.04	23.53	33.00	PASS
				RB1#13	23.11	23.60	33.00	PASS
				RB1#24	23.06	23.55	33.00	PASS
				RB12#0	22.12	22.61	33.00	PASS
				RB12#6	22.15	22.64	33.00	PASS
				RB12#13	22.16	22.65	33.00	PASS
				RB25#0	22.11	22.60	33.00	PASS
			HCH	RB1#0	23.01	23.50	33.00	PASS
				RB1#13	23.09	23.58	33.00	PASS
				RB1#24	23.09	23.58	33.00	PASS
				RB12#0	22.19	22.68	33.00	PASS
				RB12#6	22.18	22.67	33.00	PASS
				RB12#13	22.15	22.64	33.00	PASS
				RB25#0	22.17	22.66	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND7	LTE/TM2	5M	LCH	RB1#0	22.25	22.74	33.00	PASS
				RB1#13	22.25	22.74	33.00	PASS
				RB1#24	22.28	22.77	33.00	PASS
				RB12#0	21.15	21.64	33.00	PASS
				RB12#6	21.16	21.65	33.00	PASS
				RB12#13	21.16	21.65	33.00	PASS
				RB25#0	21.10	21.59	33.00	PASS
			MCH	RB1#0	22.28	22.77	33.00	PASS
				RB1#13	22.23	22.72	33.00	PASS
				RB1#24	22.23	22.72	33.00	PASS
				RB12#0	21.13	21.62	33.00	PASS
				RB12#6	21.14	21.63	33.00	PASS
				RB12#13	21.11	21.60	33.00	PASS
				RB25#0	21.11	21.60	33.00	PASS
			HCH	RB1#0	22.26	22.75	33.00	PASS
				RB1#13	22.27	22.76	33.00	PASS
				RB1#24	22.26	22.75	33.00	PASS
				RB12#0	21.06	21.55	33.00	PASS
				RB12#6	21.07	21.56	33.00	PASS
				RB12#13	21.07	21.56	33.00	PASS
				RB25#0	21.04	21.53	33.00	PASS

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BAND7	LTE/TM1	10M	LCH	RB1#0	23.08	23.57	33.00	PASS
				RB1#25	23.05	23.54	33.00	PASS
				RB1#49	23.17	23.66	33.00	PASS
				RB25#0	22.12	22.61	33.00	PASS
				RB25#13	22.05	22.54	33.00	PASS
				RB25#25	22.18	22.67	33.00	PASS
				RB50#0	22.09	22.58	33.00	PASS
			MCH	RB1#0	23.06	23.55	33.00	PASS
				RB1#25	23.09	23.58	33.00	PASS
				RB1#49	23.11	23.60	33.00	PASS
				RB25#0	22.12	22.61	33.00	PASS
				RB25#13	22.10	22.59	33.00	PASS
				RB25#25	22.14	22.63	33.00	PASS
				RB50#0	22.14	22.63	33.00	PASS
			HCH	RB1#0	23.00	23.49	33.00	PASS
				RB1#25	23.05	23.54	33.00	PASS
				RB1#49	23.06	23.55	33.00	PASS
				RB25#0	22.08	22.57	33.00	PASS
				RB25#13	22.06	22.55	33.00	PASS
				RB25#25	22.10	22.59	33.00	PASS
				RB50#0	22.10	22.59	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND7	LTE/TM2	10M	LCH	RB1#0	22.28	22.77	33.00	PASS
				RB1#25	22.21	22.70	33.00	PASS
				RB1#49	22.29	22.78	33.00	PASS
				RB25#0	21.10	21.59	33.00	PASS
				RB25#13	21.09	21.58	33.00	PASS
				RB25#25	21.10	21.59	33.00	PASS
				RB50#0	21.14	21.63	33.00	PASS
			MCH	RB1#0	22.29	22.78	33.00	PASS
				RB1#25	22.23	22.72	33.00	PASS
				RB1#49	22.36	22.85	33.00	PASS
				RB25#0	21.10	21.59	33.00	PASS
				RB25#13	21.11	21.60	33.00	PASS
				RB25#25	21.08	21.57	33.00	PASS
				RB50#0	21.15	21.64	33.00	PASS
			HCH	RB1#0	22.24	22.73	33.00	PASS
				RB1#25	22.28	22.77	33.00	PASS
				RB1#49	22.26	22.75	33.00	PASS
				RB25#0	21.02	21.51	33.00	PASS
				RB25#13	21.01	21.50	33.00	PASS
				RB25#25	21.05	21.54	33.00	PASS
				RB50#0	21.05	21.54	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND7	LTE/TM1	15M	LCH	RB1#0	23.08	23.57	33.00	PASS
				RB1#38	23.08	23.57	33.00	PASS
				RB1#74	23.21	23.70	33.00	PASS
				RB36#0	22.15	22.64	33.00	PASS
				RB36#18	22.12	22.61	33.00	PASS
				RB36#39	22.23	22.72	33.00	PASS
				RB75#0	22.16	22.65	33.00	PASS
			MCH	RB1#0	23.08	23.57	33.00	PASS
				RB1#38	23.14	23.63	33.00	PASS
				RB1#74	23.19	23.68	33.00	PASS
				RB36#0	22.15	22.64	33.00	PASS
				RB36#18	22.18	22.67	33.00	PASS
				RB36#39	22.22	22.71	33.00	PASS
				RB75#0	22.18	22.67	33.00	PASS
			HCH	RB1#0	23.02	23.51	33.00	PASS
				RB1#38	23.07	23.56	33.00	PASS
				RB1#74	23.14	23.63	33.00	PASS
				RB36#0	22.14	22.63	33.00	PASS
				RB36#18	22.13	22.62	33.00	PASS
				RB36#39	22.17	22.66	33.00	PASS
				RB75#0	22.15	22.64	33.00	PASS

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BAND7	LTE/TM2	15M	LCH	RB1#0	22.22	22.71	33.00	PASS
				RB1#38	22.24	22.73	33.00	PASS
				RB1#74	22.25	22.74	33.00	PASS
				RB36#0	21.16	21.65	33.00	PASS
				RB36#18	21.17	21.66	33.00	PASS
				RB36#39	21.24	21.73	33.00	PASS
				RB75#0	21.17	21.66	33.00	PASS
			MCH	RB1#0	22.26	22.75	33.00	PASS
				RB1#38	22.29	22.78	33.00	PASS
				RB1#74	22.22	22.71	33.00	PASS
				RB36#0	21.16	21.65	33.00	PASS
				RB36#18	21.18	21.67	33.00	PASS
				RB36#39	21.16	21.65	33.00	PASS
				RB75#0	21.21	21.70	33.00	PASS
			HCH	RB1#0	22.24	22.73	33.00	PASS
				RB1#38	22.29	22.78	33.00	PASS
				RB1#74	22.25	22.74	33.00	PASS
				RB36#0	21.07	21.56	33.00	PASS
				RB36#18	21.08	21.57	33.00	PASS
				RB36#39	21.11	21.60	33.00	PASS
				RB75#0	21.09	21.58	33.00	PASS

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BAND7	LTE/TM1	20M	LCH	RB1#0	23.07	23.56	33.00	PASS
				RB1#50	23.10	23.59	33.00	PASS
				RB1#99	23.23	23.72	33.00	PASS
				RB50#0	22.12	22.61	33.00	PASS
				RB50#25	22.17	22.66	33.00	PASS
				RB50#50	22.27	22.76	33.00	PASS
				RB100#0	22.18	22.67	33.00	PASS
			MCH	RB1#0	23.09	23.58	33.00	PASS
				RB1#50	23.13	23.62	33.00	PASS
				RB1#99	23.18	23.67	33.00	PASS
				RB50#0	22.15	22.64	33.00	PASS
				RB50#25	22.19	22.68	33.00	PASS
				RB50#50	22.25	22.74	33.00	PASS
				RB100#0	22.18	22.67	33.00	PASS
			HCH	RB1#0	23.01	23.50	33.00	PASS
				RB1#50	23.05	23.54	33.00	PASS
				RB1#99	23.18	23.67	33.00	PASS
				RB50#0	22.12	22.61	33.00	PASS
				RB50#25	22.14	22.63	33.00	PASS
				RB50#50	22.2	22.69	33.00	PASS
				RB100#0	22.11	22.60	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND7	LTE/TM2	20M	LCH	RB1#0	22.24	22.73	33.00	PASS
				RB1#50	22.22	22.71	33.00	PASS
				RB1#99	22.26	22.75	33.00	PASS
				RB50#0	21.16	21.65	33.00	PASS
				RB50#25	21.18	21.67	33.00	PASS
				RB50#50	21.27	21.76	33.00	PASS
				RB100#0	21.19	21.68	33.00	PASS
			MCH	RB1#0	22.29	22.78	33.00	PASS
				RB1#50	22.26	22.75	33.00	PASS
				RB1#99	22.22	22.71	33.00	PASS
				RB50#0	21.16	21.65	33.00	PASS
				RB50#25	21.18	21.67	33.00	PASS
				RB50#50	21.20	21.69	33.00	PASS
				RB100#0	21.19	21.68	33.00	PASS
			HCH	RB1#0	22.25	22.74	33.00	PASS
				RB1#50	22.28	22.77	33.00	PASS
				RB1#99	22.24	22.73	33.00	PASS
				RB50#0	21.07	21.56	33.00	PASS
				RB50#25	21.10	21.59	33.00	PASS
				RB50#50	21.15	21.64	33.00	PASS
				RB100#0	21.07	21.56	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,

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

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 7	TM1/20M	LCH	5.16	13	PASS
		MCH	5.16	13	PASS
		HCH	4.99	13	PASS
	TM2/20M	LCH	5.86	13	PASS
		MCH	5.83	13	PASS
		HCH	5.48	13	PASS



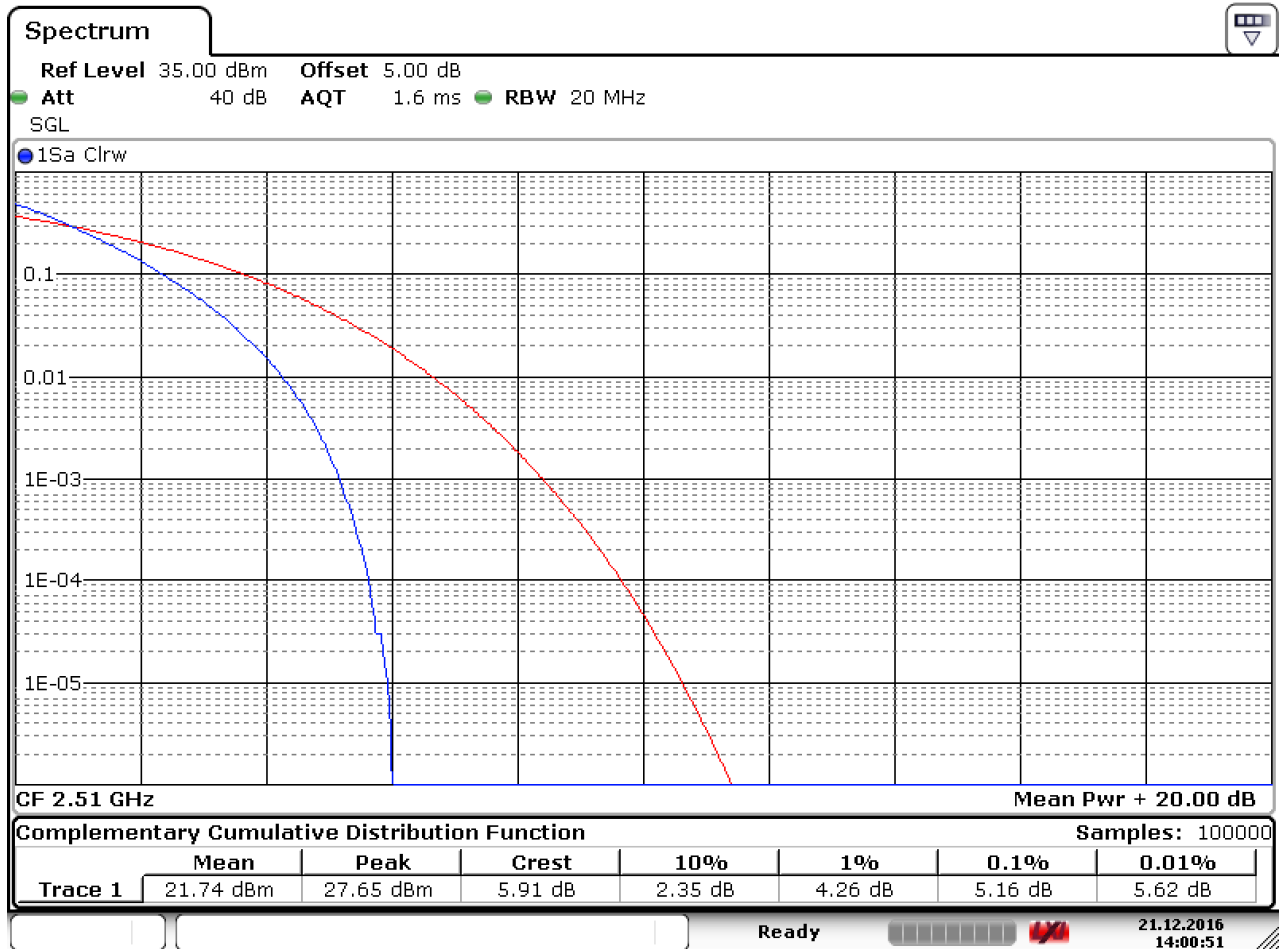
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band7

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

2.1.1.1.1 Test Channel = LCH

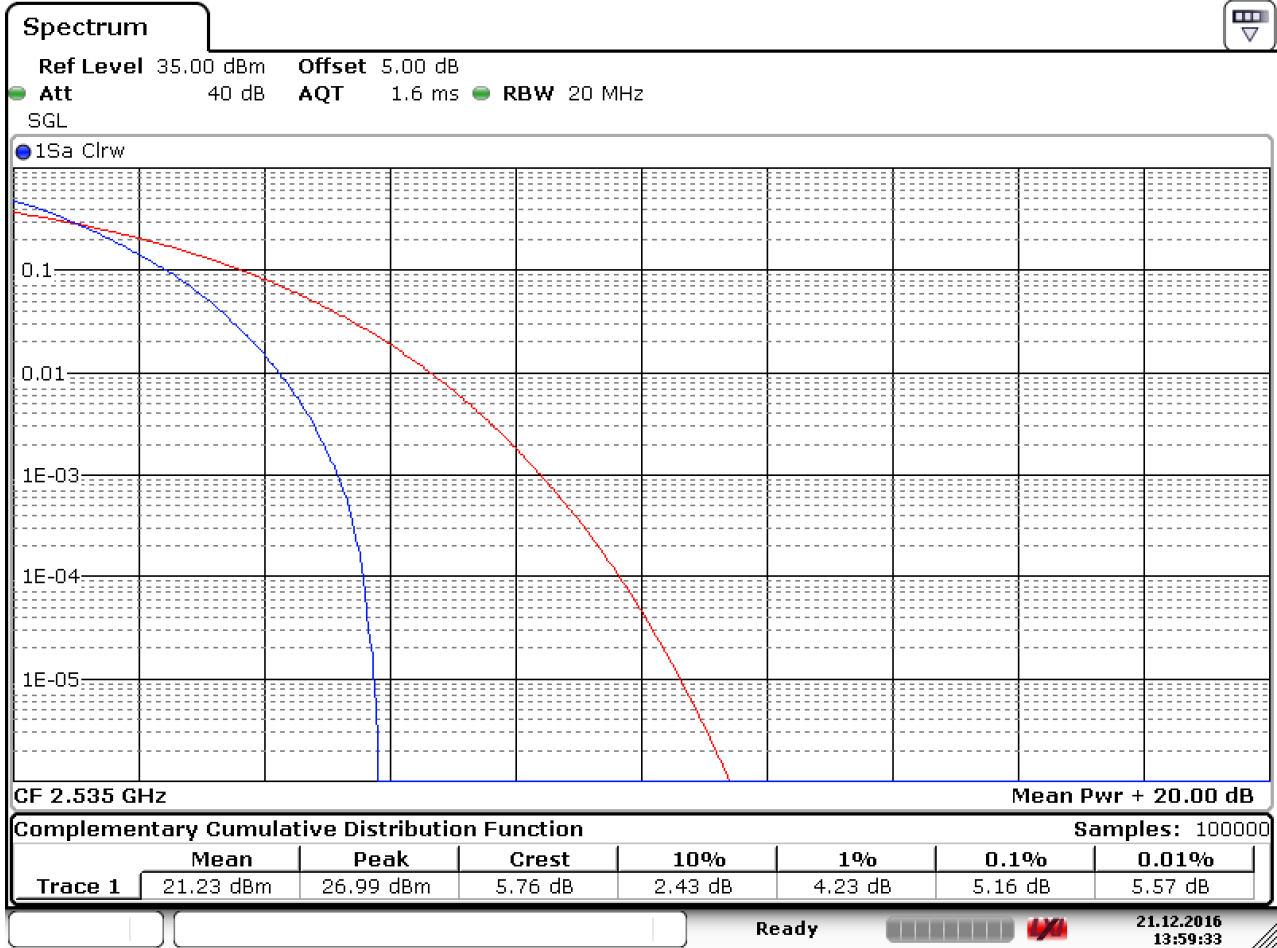


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2.1.1.1.2 Test Channel = MCH

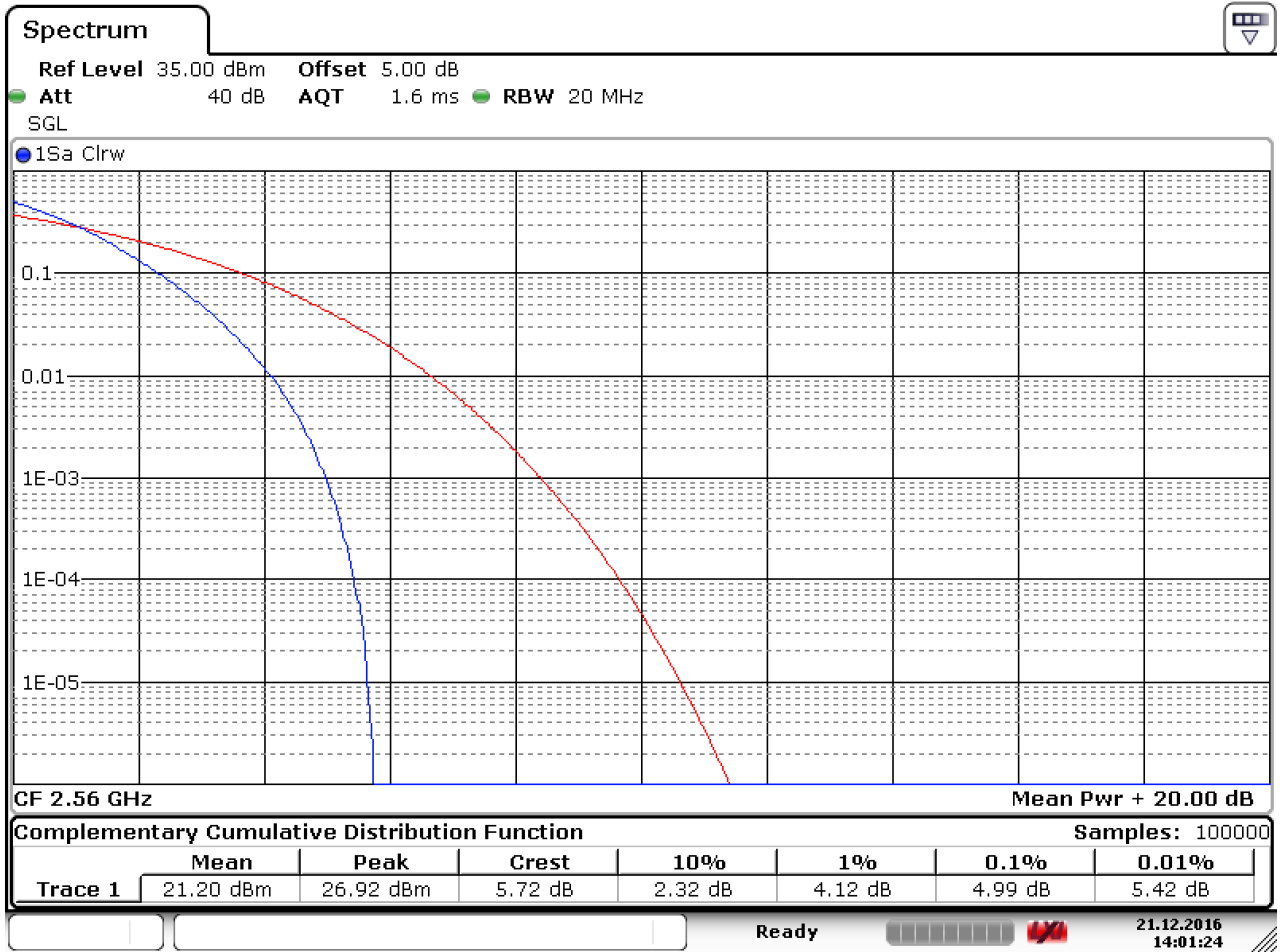


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2.1.1.1.3 Test Channel = HCH



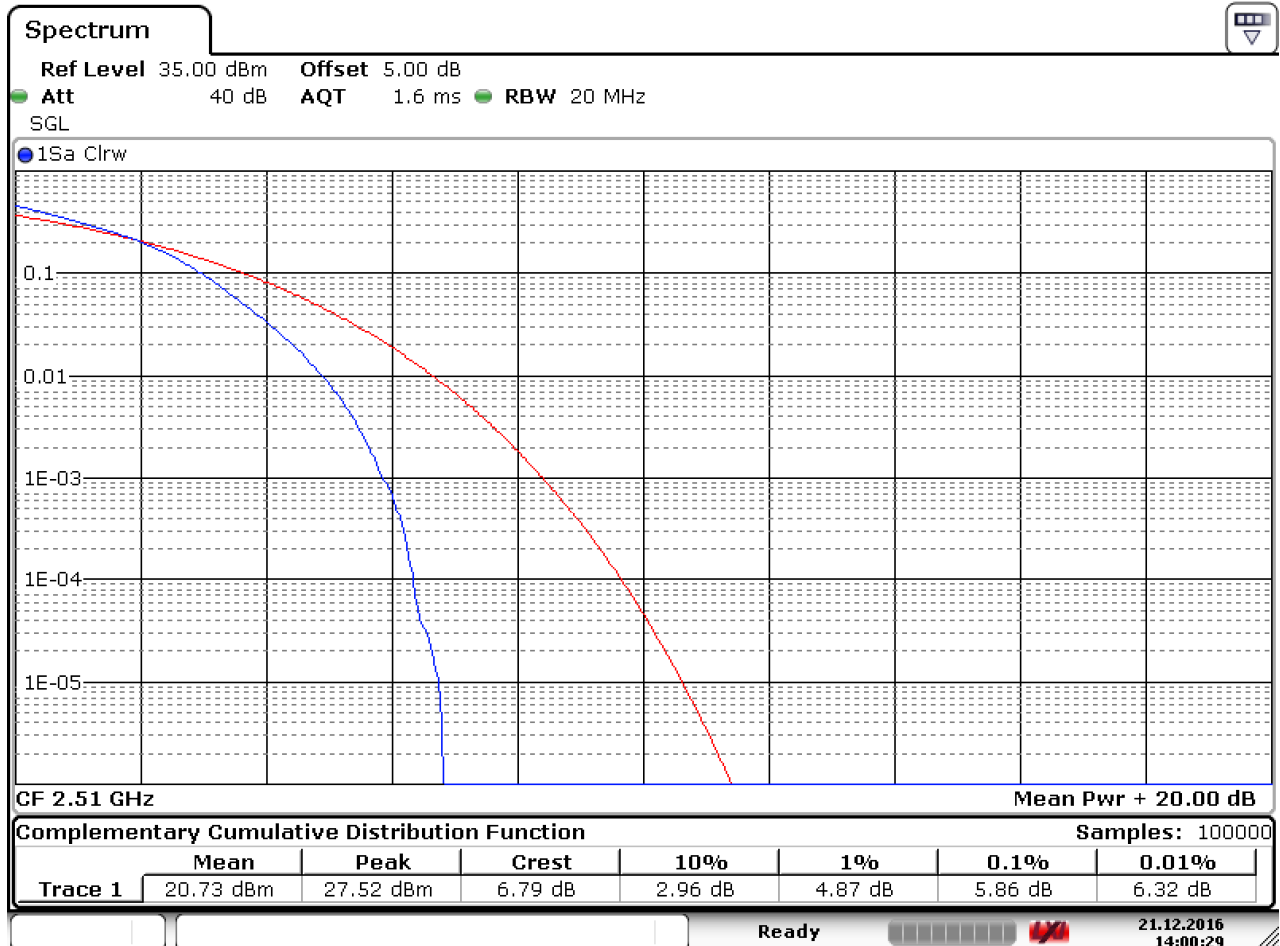
Date: 21.DEC.2016 14:01:24

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

2.1.1.2.1 Test Channel = LCH

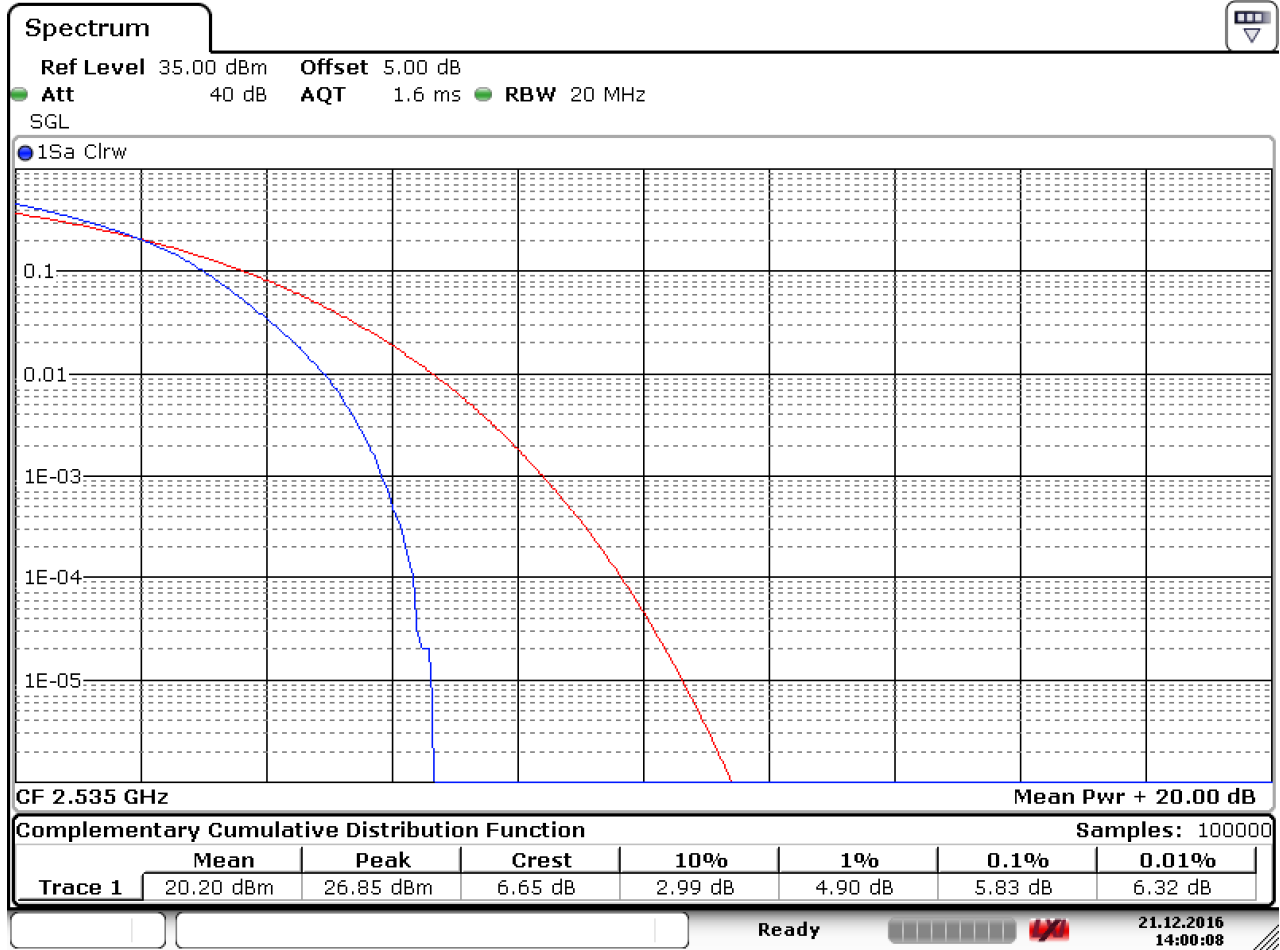


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2.1.1.2.2 Test Channel = MCH

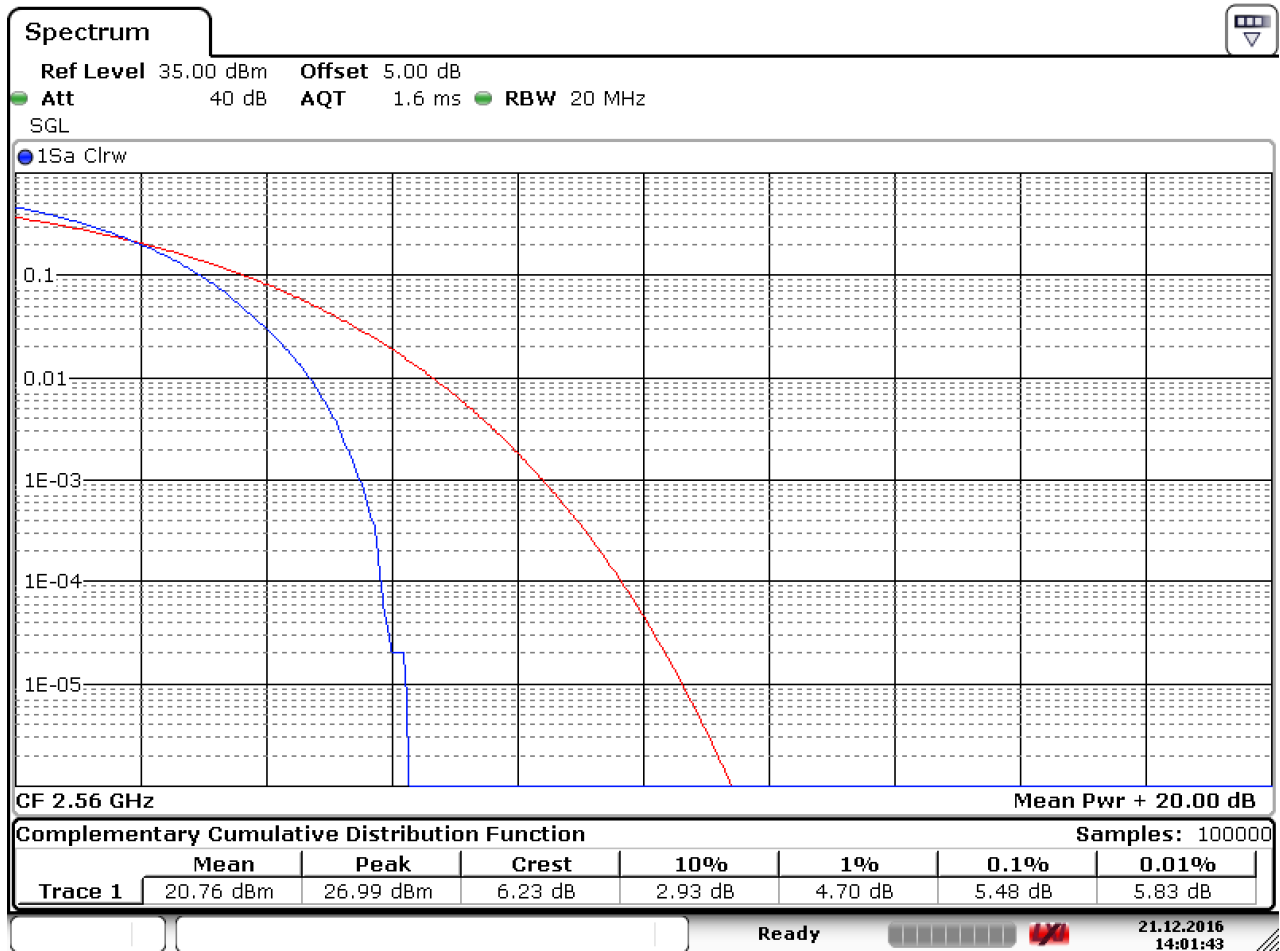


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2.1.1.2.3 Test Channel = HCH



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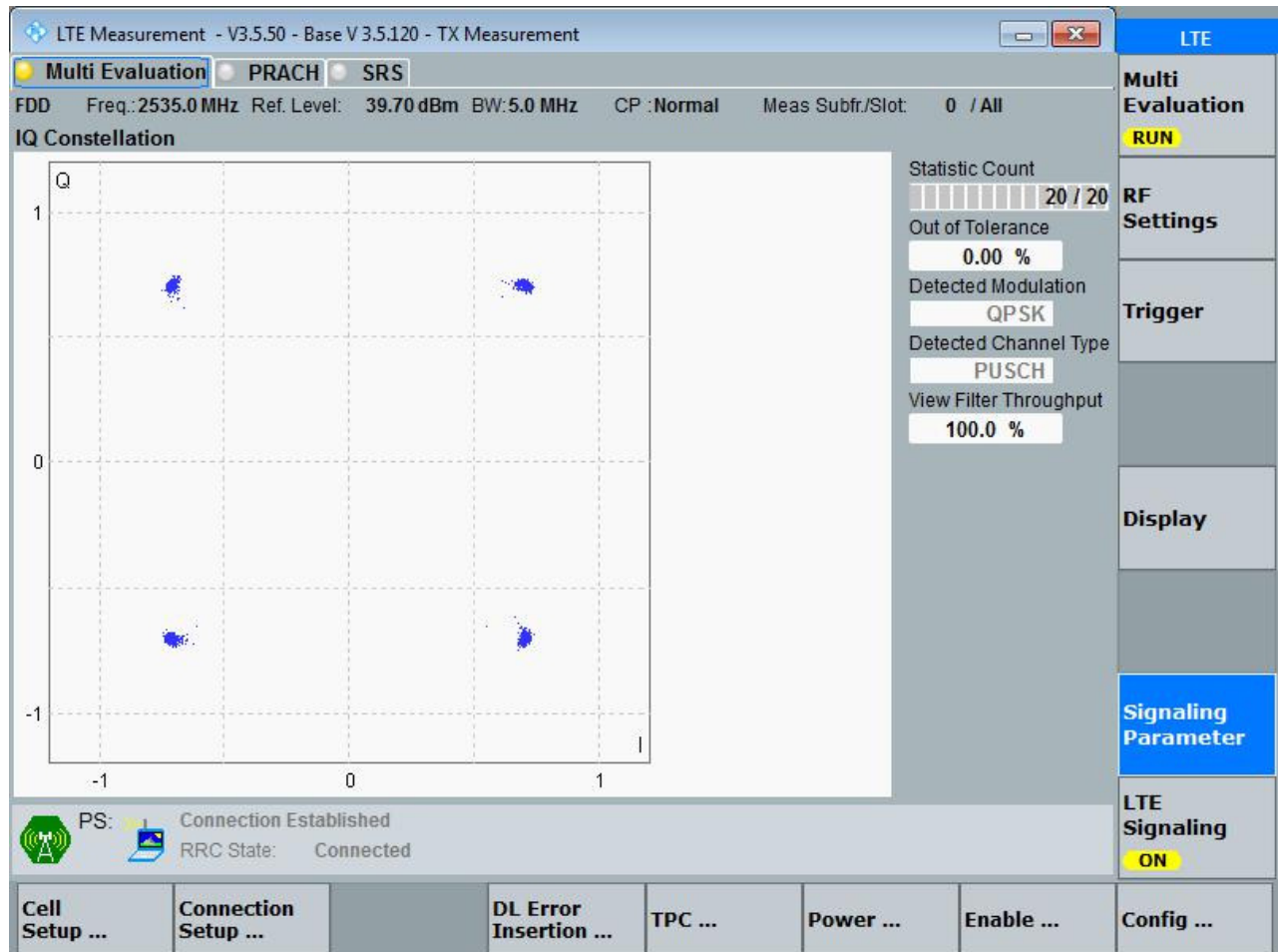
3 Modulation Characteristics

3.1 For LTE

3.1.1 Test Band = LTE band7

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

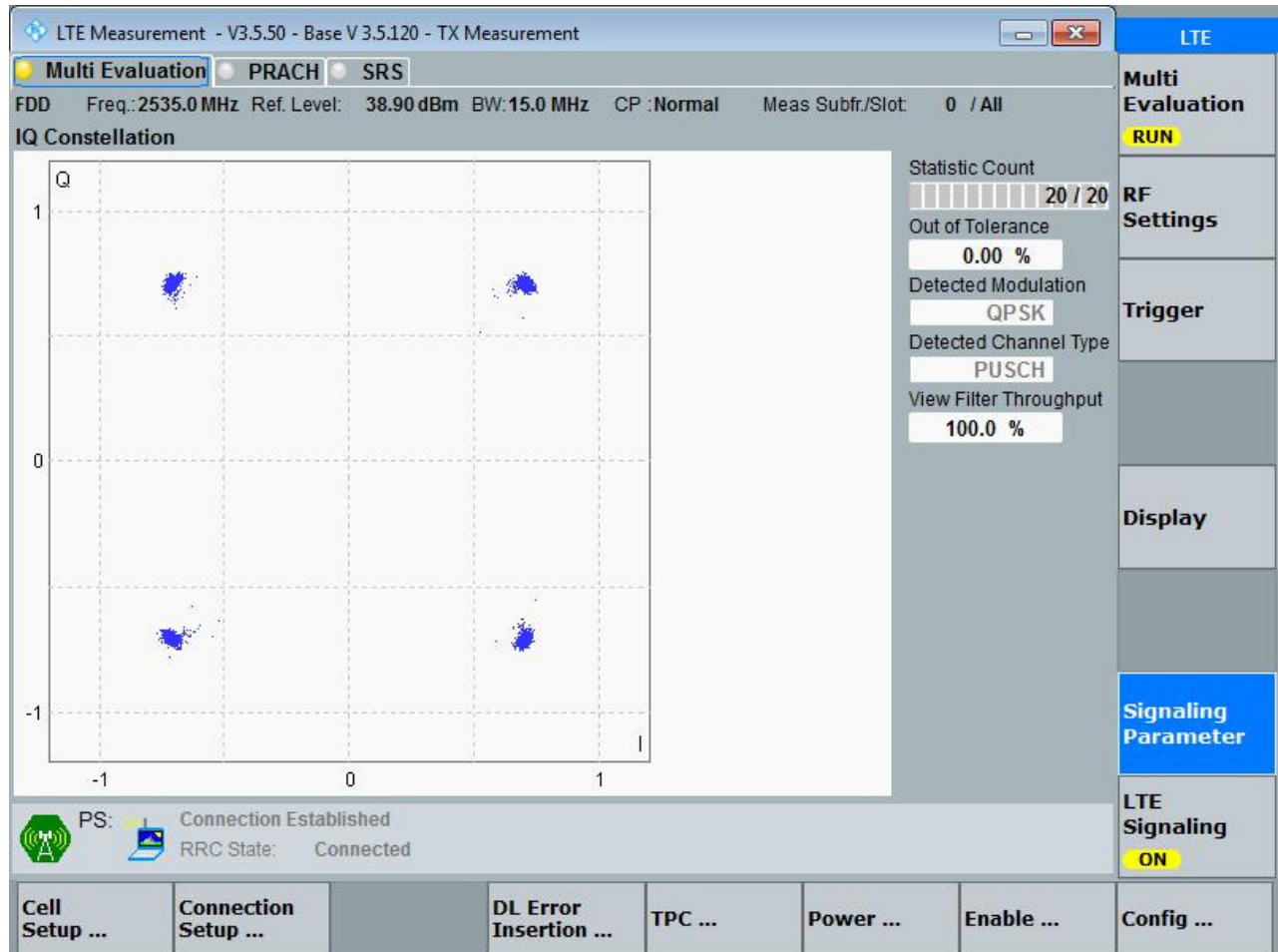
The screenshot displays the 'LTE Measurement' software interface. The main window title is 'LTE Measurement - V3.5.50 - Base V 3.5.120 - TX Measurement'. The interface is divided into several sections:

- Top Bar:** Shows 'Multi Evaluation' (selected), 'PRACH', and 'SRS' tabs. Below this, it displays 'FDD', 'Freq.: 2535.0 MHz', 'Ref. Level: 38.90 dBm', 'BW: 10.0 MHz', 'CP: Normal', and 'Meas Subfr./Slot: 0 / All'.
- IQ Constellation:** A plot showing four clusters of blue dots in a square pattern on a grid with axes from -1 to 1. The vertical axis is labeled 'Q' and the horizontal axis is labeled 'I'.
- Statistics Panel:** Located on the right, it includes:
 - Statistic Count: 20 / 20
 - Out of Tolerance: 0.00 %
 - Detected Modulation: QPSK
 - Detected Channel Type: PUSCH
 - View Filter Throughput: 100.0 %
- Right Sidebar:** A vertical menu with buttons for 'LTE', 'Multi Evaluation', 'RUN', 'RF Settings', 'Trigger', 'Display', 'Signaling Parameter', and 'LTE Signaling' (which is highlighted in yellow).
- Bottom Status 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 ...'.



3.1.1.3 Test Mode = LTE /TM1 15MHz

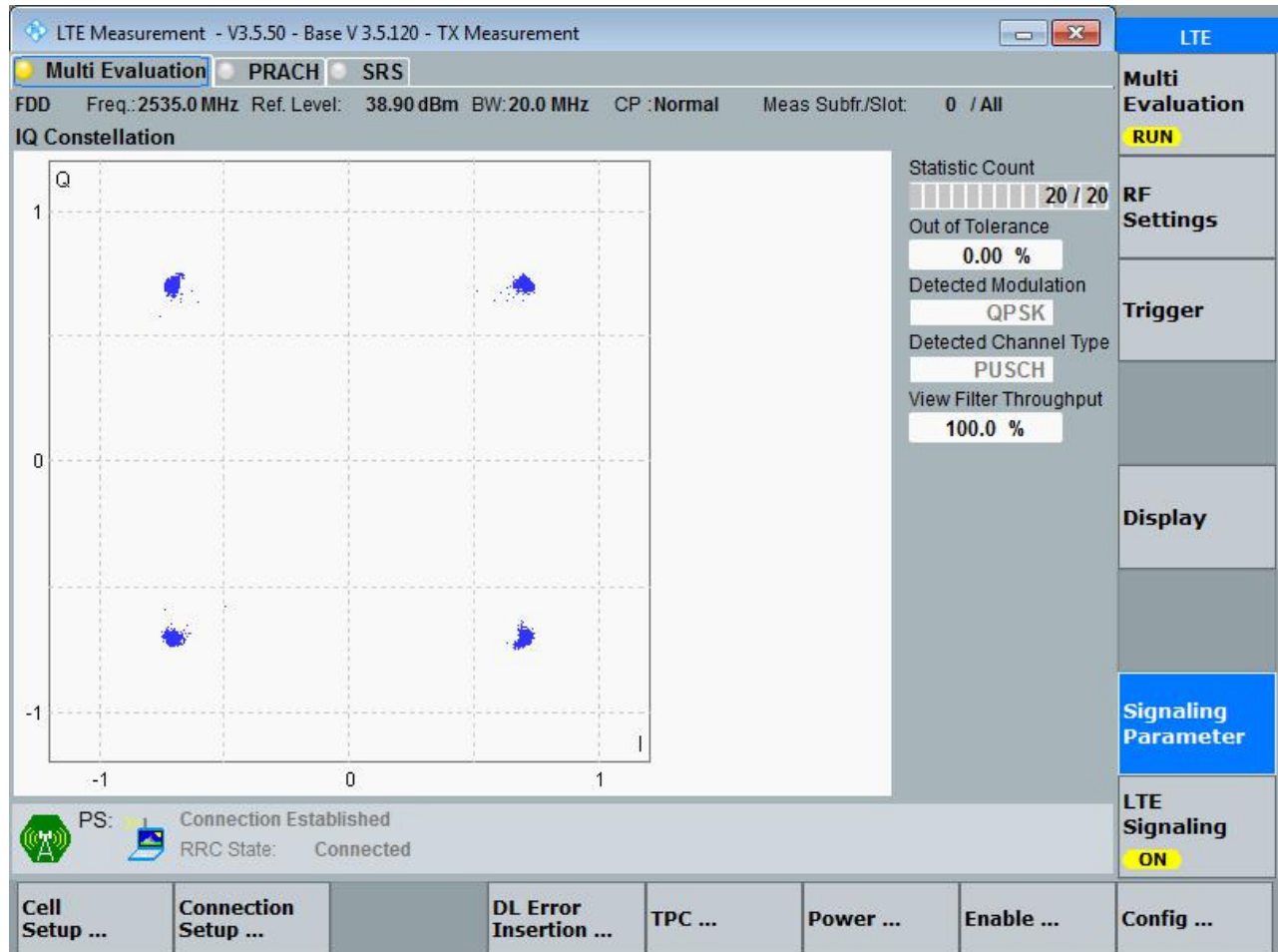
3.1.1.3.1 Test Channel = MCH





3.1.1.4 Test Mode = LTE /TM1 20MHz

3.1.1.4.1 Test Channel = MCH





3.1.1.5 Test Mode = LTE /TM2 5MHz

3.1.1.5.1 Test Channel = MCH

The screenshot displays the 'LTE Measurement' software interface. The main window title is 'LTE Measurement - V3.5.50 - Base V 3.5.120 - TX Measurement'. The interface is divided into several sections:

- Top Bar:** Shows 'Multi Evaluation' (selected), 'PRACH', and 'SRS' tabs. Below this, it displays 'FDD', 'Freq.: 2535.0 MHz', 'Ref. Level: 39.70 dBm', 'BW: 5.0 MHz', 'CP: Normal', and 'Meas Subfr./Slot: 0 / All'.
- IQ Constellation Plot:** A scatter plot with 'Q' on the vertical axis and 'I' on the horizontal axis, both ranging from -1 to 1. The plot shows a 16-QAM constellation with 16 distinct clusters of blue dots.
- Statistic Count Panel:** Located on the right side of the plot area, it shows:
 - Statistic Count: 20 / 20
 - Out of Tolerance: 0.00 %
 - Detected Modulation: 16-QAM
 - Detected Channel Type: PUSCH
 - View Filter Throughput: 100.0 %
- Right-Hand Side Panel:** A vertical sidebar with several buttons:
 - LTE** (blue button)
 - Multi Evaluation** (grey button)
 - RUN** (yellow button)
 - RF Settings** (grey button)
 - Trigger** (grey button)
 - Display** (grey button)
 - Signaling Parameter** (blue button)
 - LTE Signaling** (grey button)
 - ON** (yellow button)
- Bottom Status 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 /TM2 10MHz

3.1.1.6.1 Test Channel = MCH

The screenshot displays the LTE Measurement software interface. The main window is titled "LTE Measurement - V3.5.50 - Base V 3.5.120 - TX Measurement". It features a "Multi Evaluation" tab and a "PRACH" radio button. The status bar shows "FDD Freq.: 2535.0 MHz Ref. Level: 38.90 dBm BW: 10.0 MHz CP: Normal Meas Subfr./Slot: 0 / All".

The central part of the interface is an "IQ Constellation" plot. The vertical axis is labeled "Q" and ranges from -1 to 1. The horizontal axis is labeled "I" and ranges from -1 to 1. The plot shows a 16-QAM constellation with 16 distinct clusters of blue dots arranged in a 4x4 grid.

On the right side, there is a "Statistic Count" section with a progress bar showing "20 / 20". Below this, several parameters are displayed in a list:

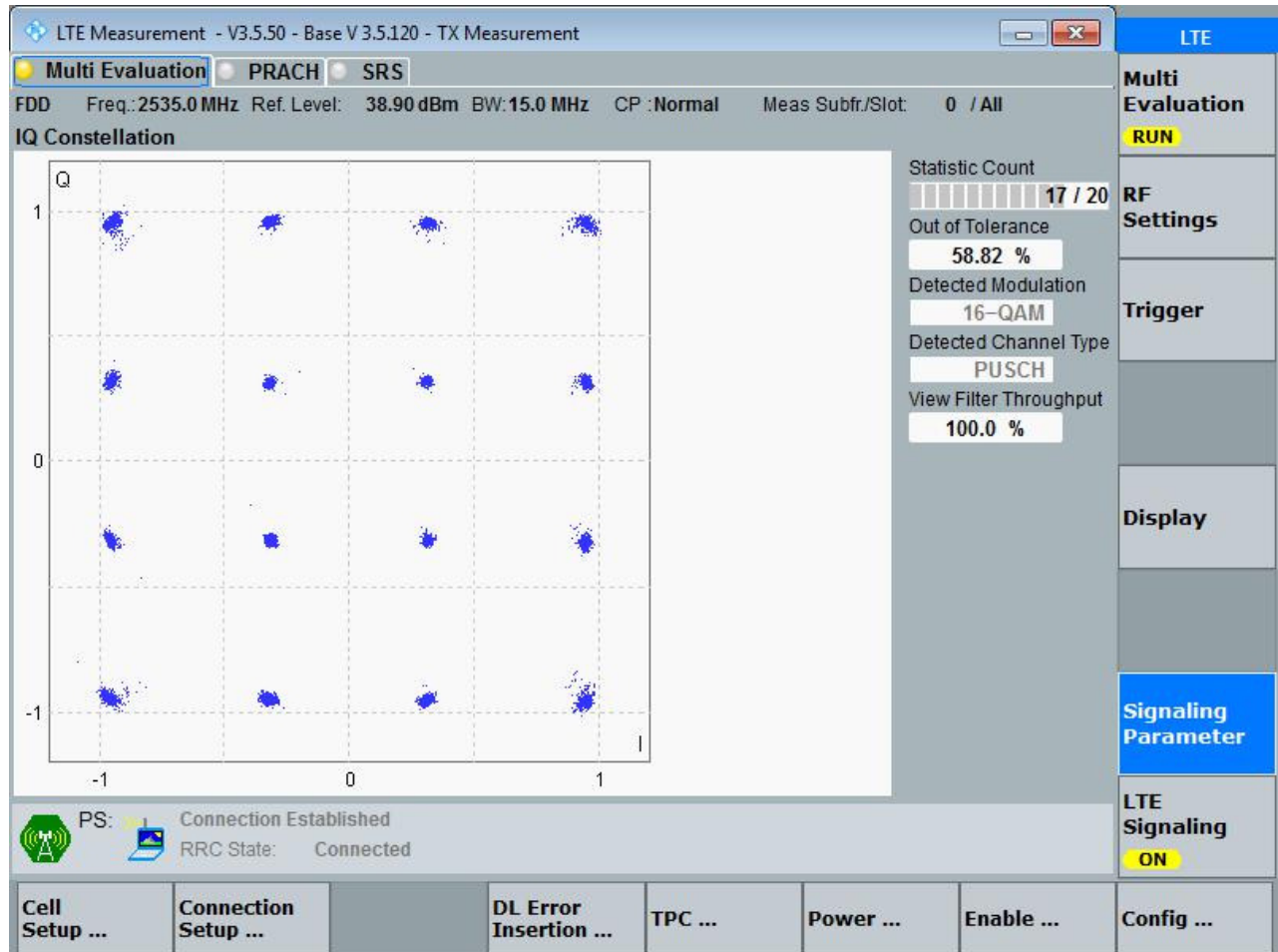
- Out of Tolerance: 10.00 %
- Detected Modulation: 16-QAM
- Detected Channel Type: PUSCH
- View Filter Throughput: 100.0 %

At the bottom of the interface, there is a status bar showing "PS: Connection Established" and "RRC State: Connected". Below the status bar is a row of buttons: "Cell Setup ...", "Connection Setup ...", "DL Error Insertion ...", "TPC ...", "Power ...", "Enable ...", and "Config ...".

On the far right, there is a vertical sidebar with several buttons: "LTE", "Multi Evaluation", "RUN", "RF Settings", "Trigger", "Display", "Signaling Parameter", "LTE Signaling", and "ON".

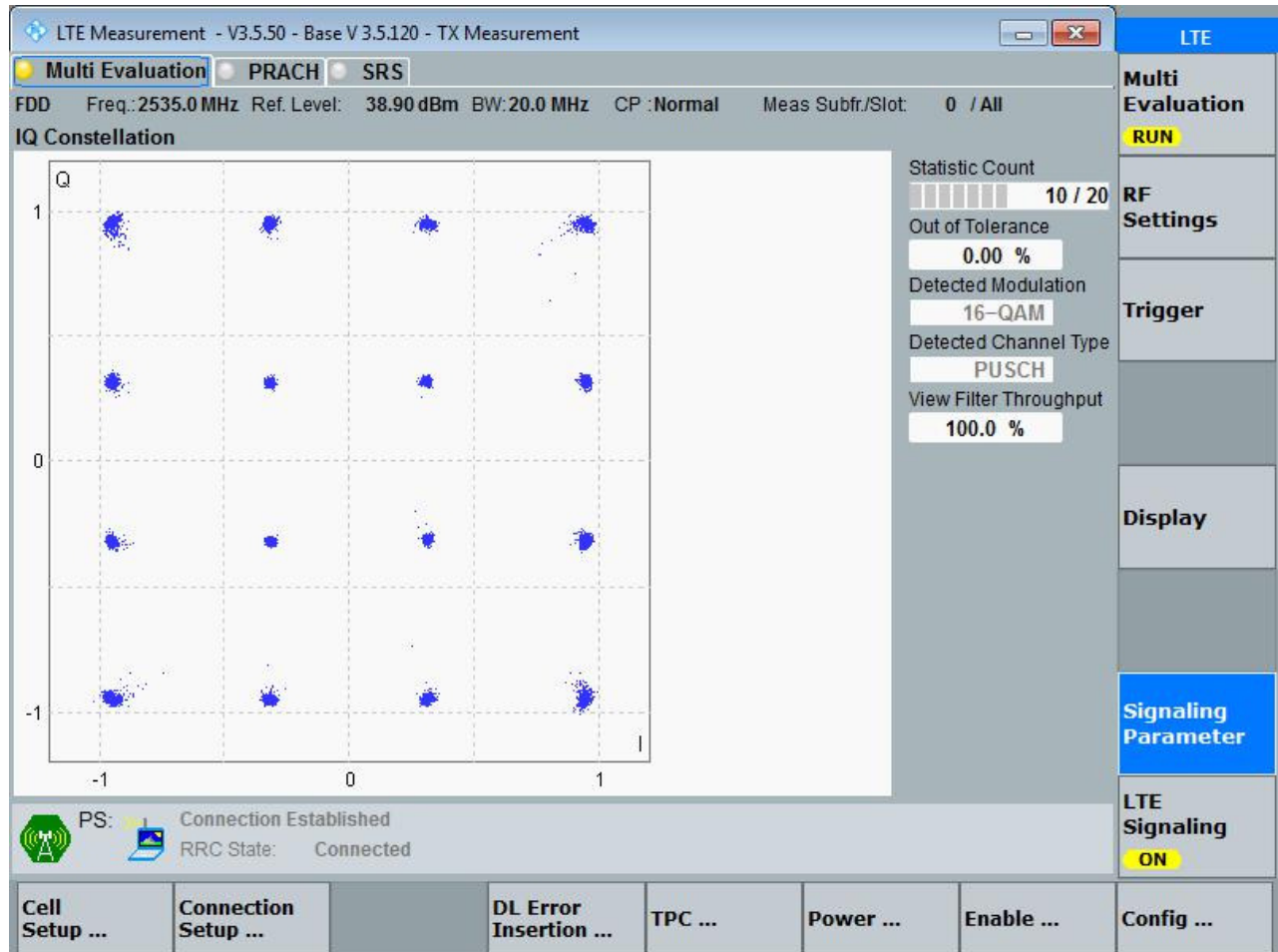
3.1.1.7 Test Mode = LTE /TM2 15MHz

3.1.1.7.1 Test Channel = MCH



3.1.1.8 Test Mode = LTE /TM2 20MHz

3.1.1.8.1 Test Channel = MCH



The screenshot displays the LTE Measurement software interface. The main window is titled "LTE Measurement - V3.5.50 - Base V 3.5.120 - TX Measurement". It features a "Multi Evaluation" tab and a "PRACH" radio button. The status bar shows "FDD Freq.: 2535.0 MHz Ref. Level: 38.90 dBm BW: 20.0 MHz CP: Normal Meas Subfr./Slot: 0 / All".

The "IQ Constellation" plot shows a 16-QAM modulation scheme with 16 distinct clusters of points arranged in a 4x4 grid. The axes are labeled "Q" (vertical) and "I" (horizontal), both ranging from -1 to 1.

On the right side, the "Statistic Count" is 10 / 20. The "Out of Tolerance" is 0.00%. The "Detected Modulation" is 16-QAM, and the "Detected Channel Type" is PUSCH. The "View Filter Throughput" is 100.0%.

The bottom status bar indicates "PS: Connection Established" and "RRC State: Connected".

The interface includes a sidebar on the right with buttons for "LTE", "Multi Evaluation", "RUN", "RF Settings", "Trigger", "Display", "Signaling Parameter", and "LTE Signaling ON".

At the bottom, there is a row of buttons: "Cell Setup ...", "Connection Setup ...", "DL Error Insertion ...", "TPC ...", "Power ...", "Enable ...", and "Config ...".



4 Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
Band 7	TM1/ 5MHz	LCH	4.49	4.96	PASS
		MCH	4.48	4.95	PASS
		HCH	4.49	4.97	PASS
	TM2/ 5MHz	LCH	4.50	4.96	PASS
		MCH	4.50	4.99	PASS
		HCH	4.49	4.95	PASS
	TM1/10MHz	LCH	8.95	9.71	PASS
		MCH	8.97	9.79	PASS
		HCH	8.95	9.73	PASS
	TM2/ 10MHz	LCH	8.95	9.77	PASS
		MCH	8.95	9.67	PASS
		HCH	8.95	9.75	PASS
	TM1/ 15MHz	LCH	13.49	14.93	PASS
		MCH	13.55	14.99	PASS
		HCH	13.49	14.96	PASS
	TM2/ 15MHz	LCH	13.55	14.93	PASS
		MCH	13.52	14.84	PASS
		HCH	13.49	14.90	PASS
	TM1/ 20MHz	LCH	17.94	19.42	PASS
		MCH	17.94	19.40	PASS
		HCH	17.94	19.62	PASS
TM2/ 20MHz	LCH	17.98	19.66	PASS	
	MCH	17.98	19.44	PASS	
	HCH	17.90	19.42	PASS	



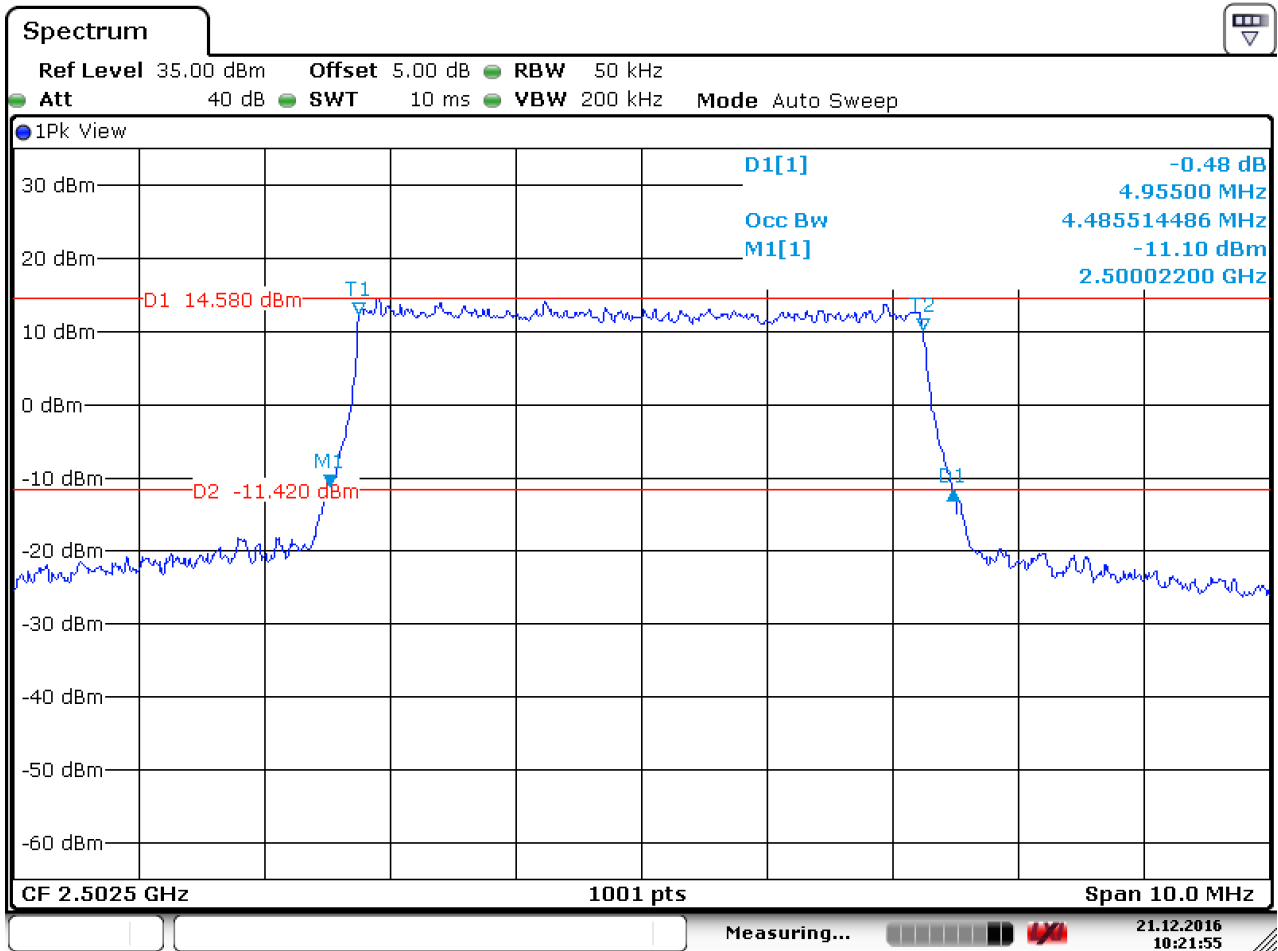
Part II –Test Plots

4.1 For LTE

4.1.1 Test Band = LTE band7

4.1.1.1 Test Mode = LTE/TM1 5MHz

4.1.1.1.1 Test Channel = LCH

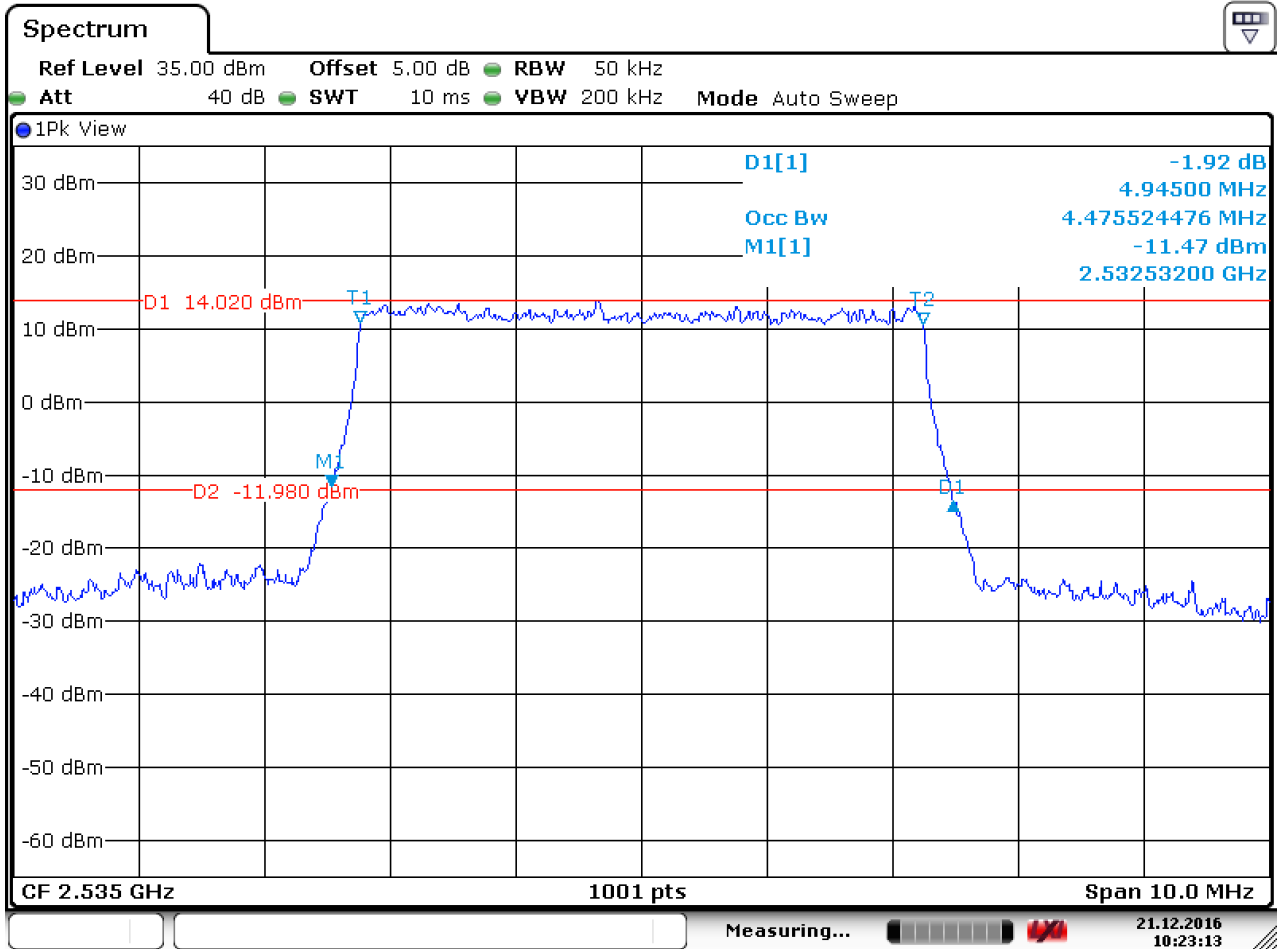


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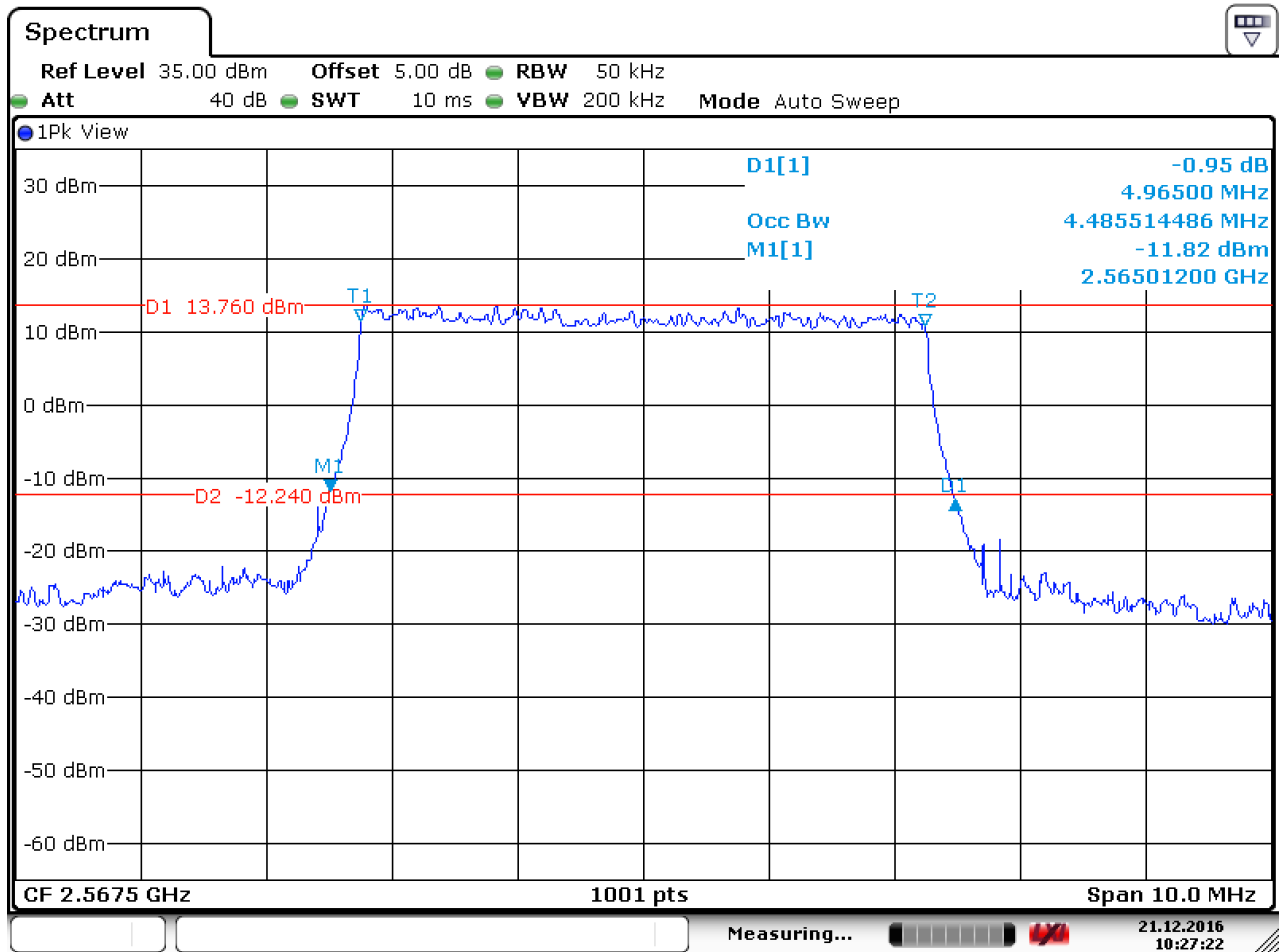
4.1.1.1.2 Test Channel = MCH



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4.1.1.1.3 Test Channel = HCH



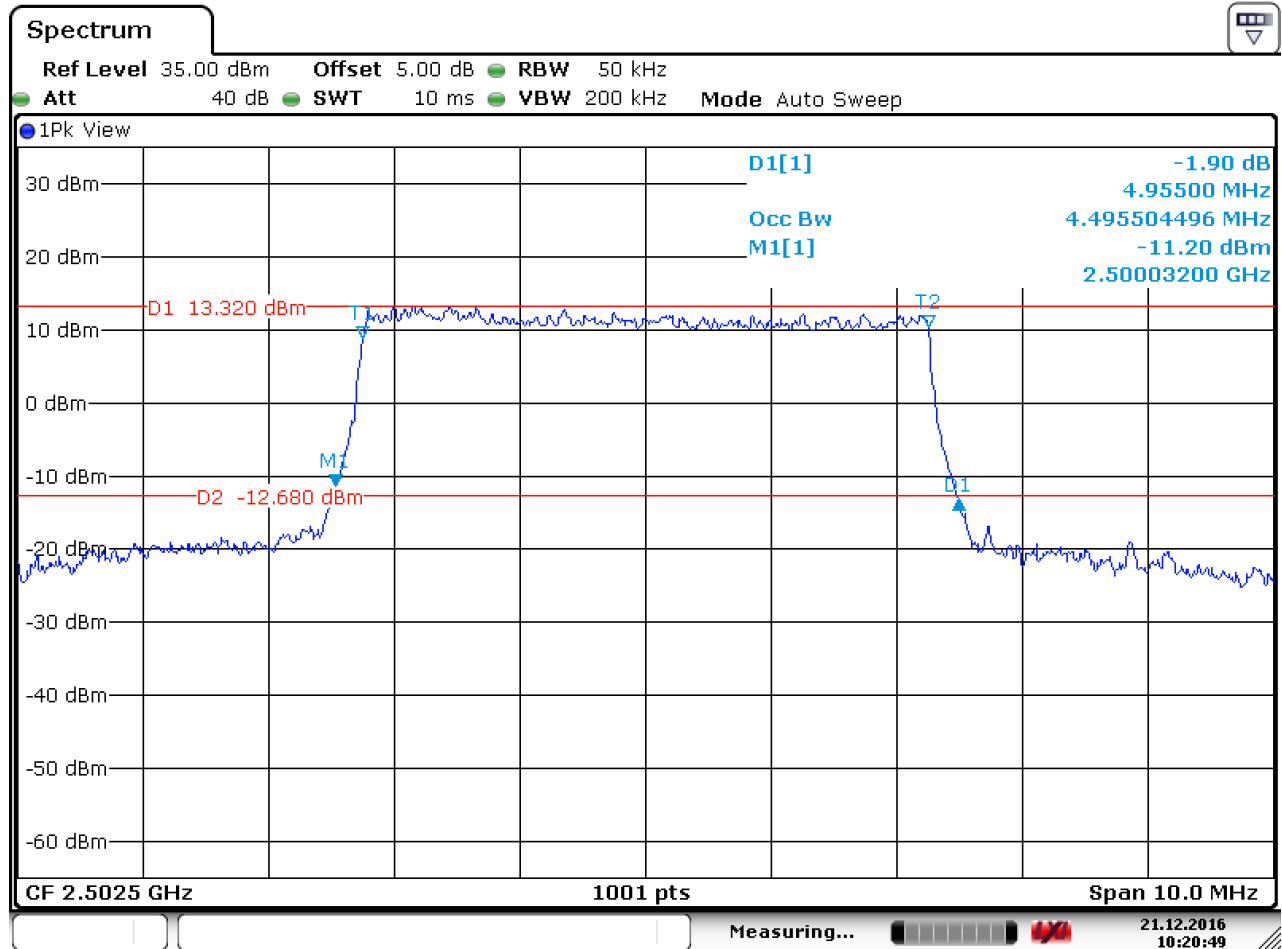
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4.1.1.2 Test Mode = LTE/TM2 5MHz

4.1.1.2.1 Test Channel = LCH

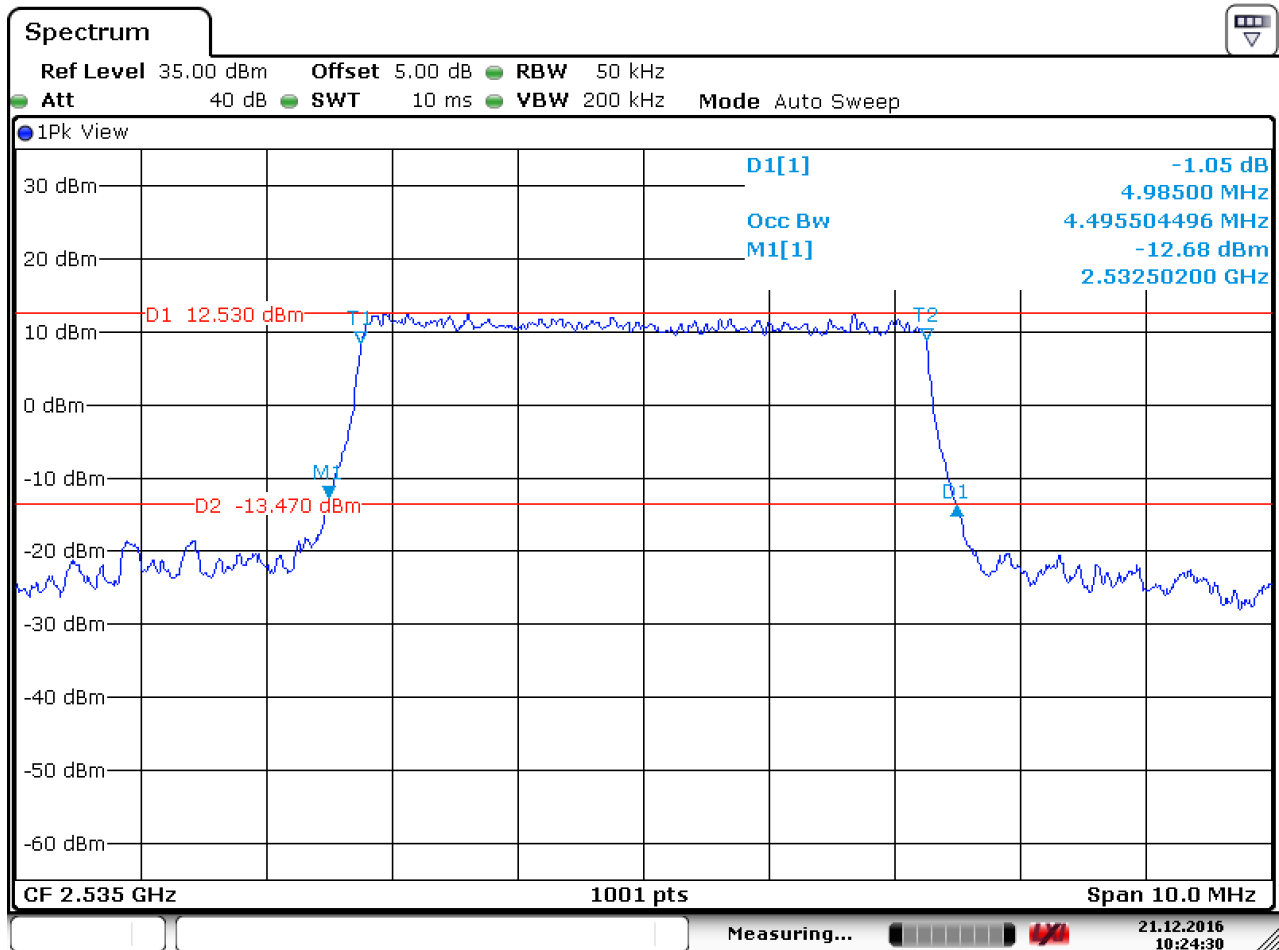


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4.1.1.2.2 Test Channel = MCH

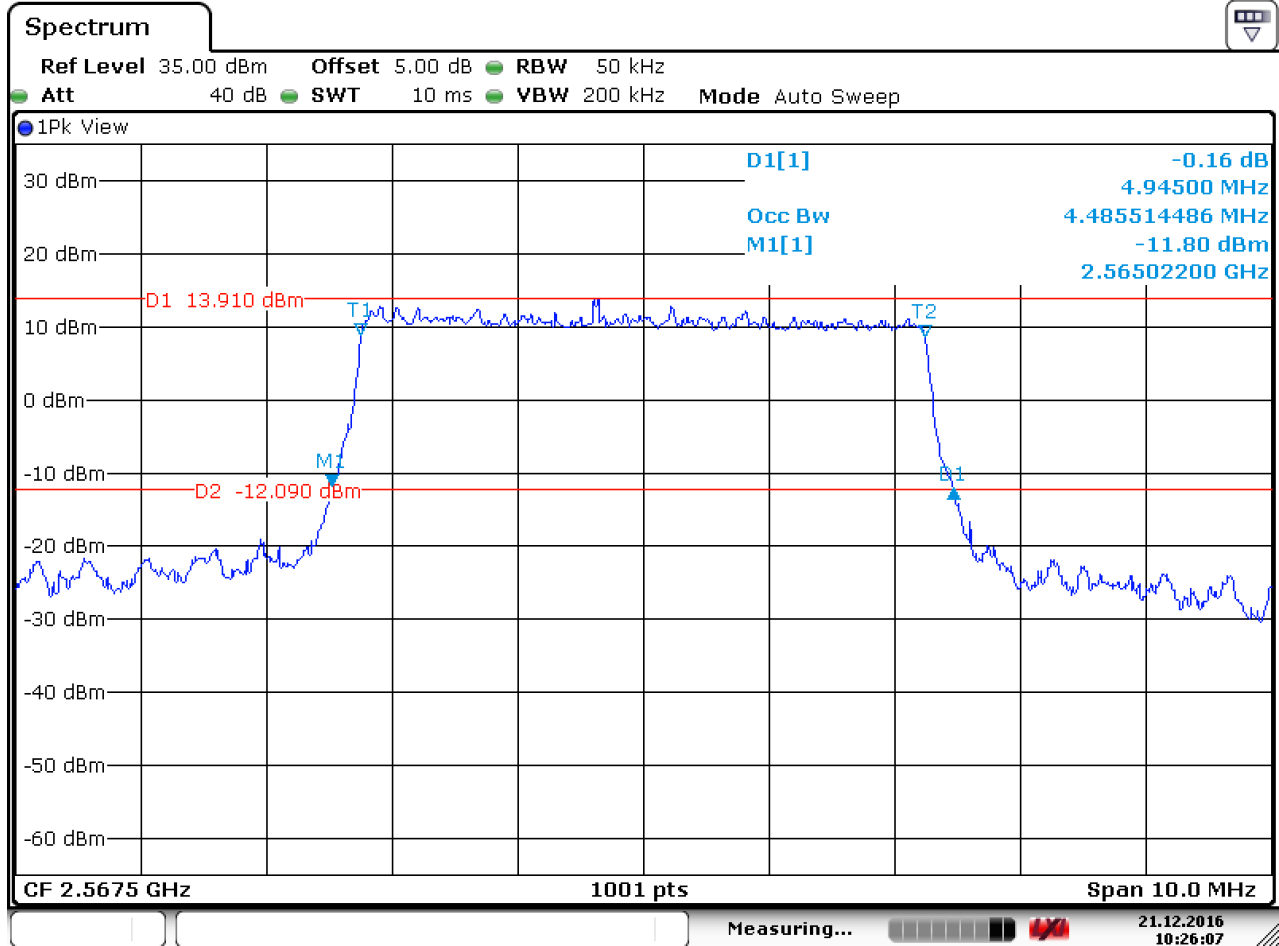


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4.1.1.2.3 Test Channel = HCH



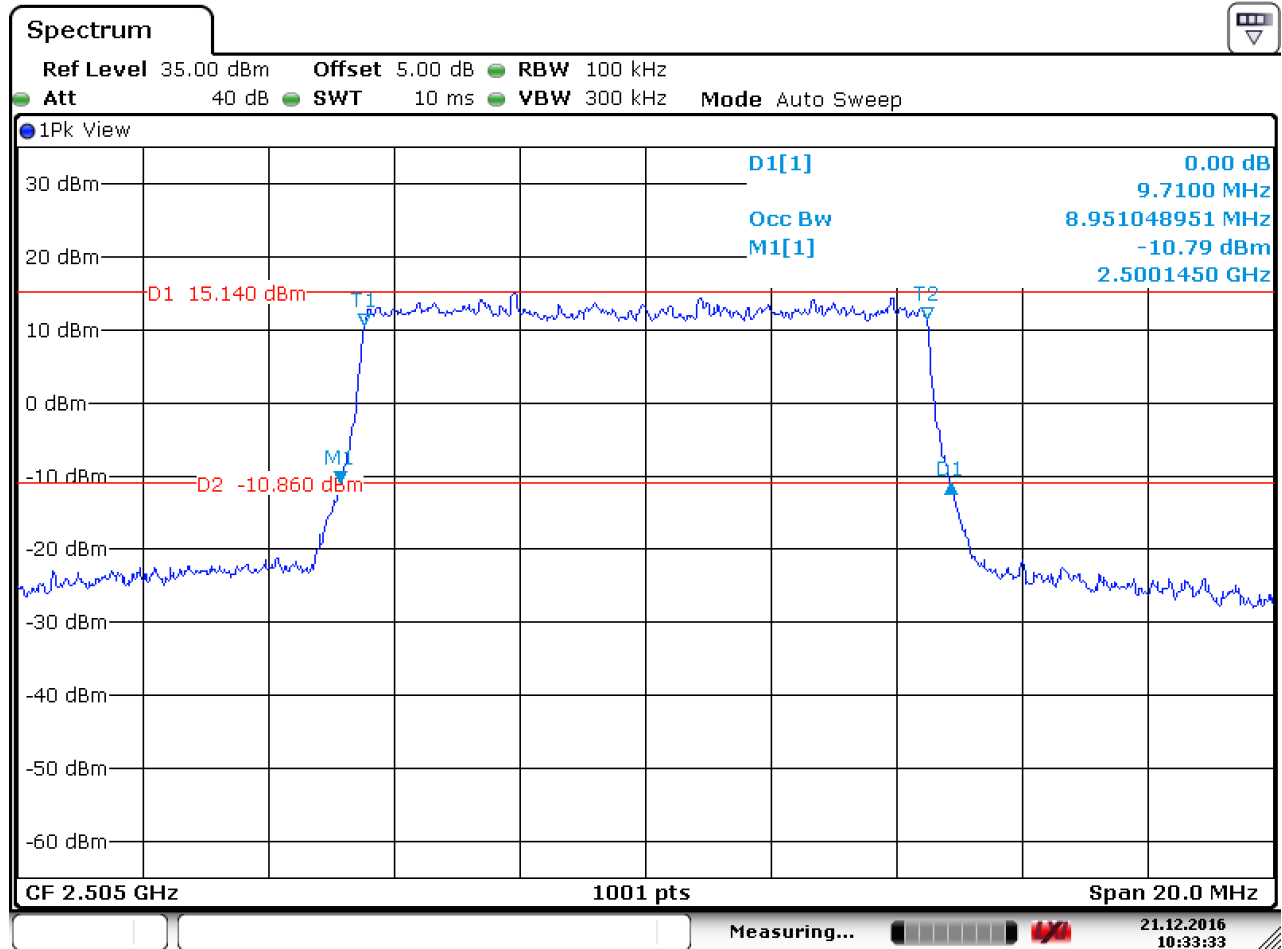
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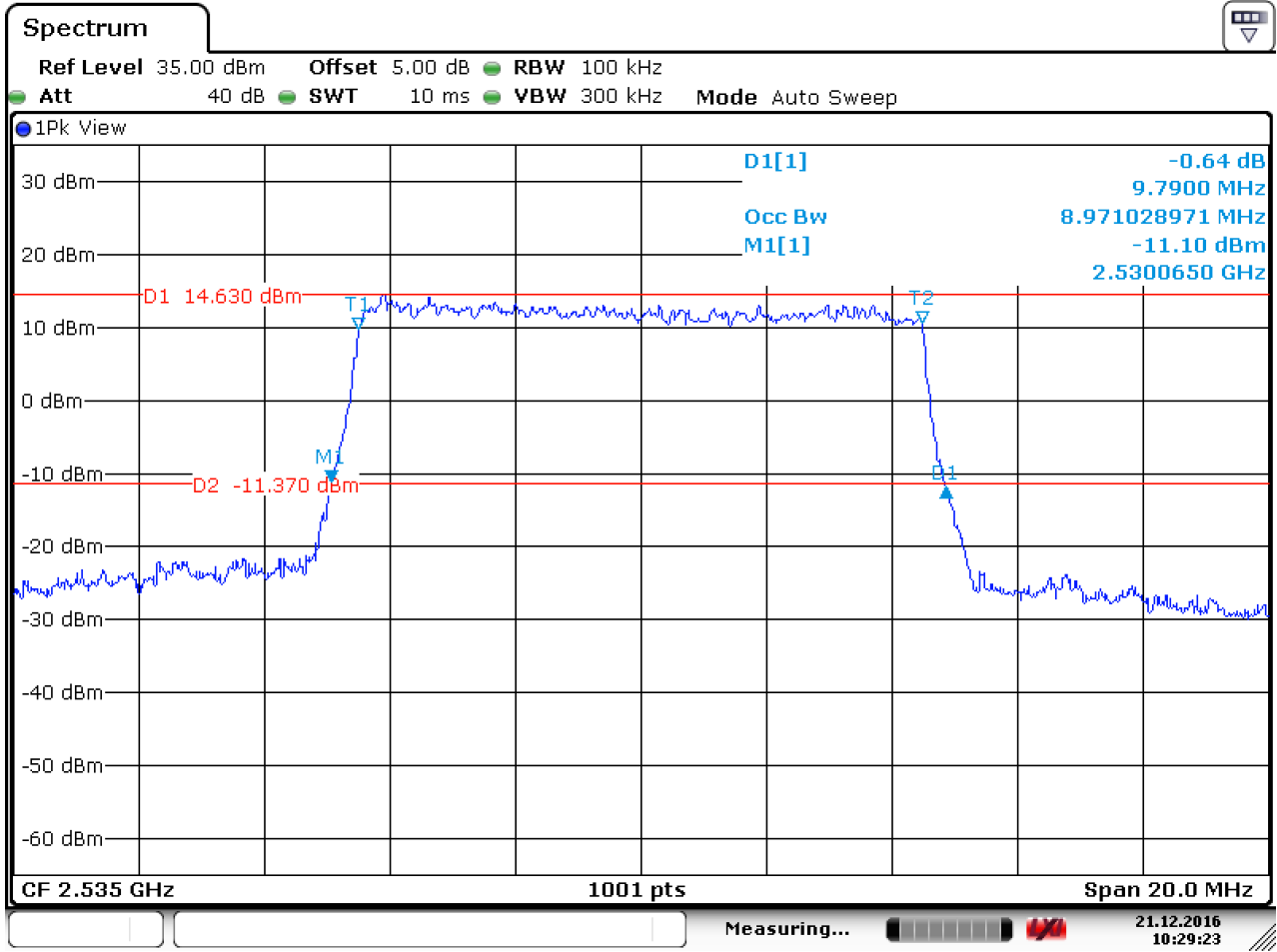
4.1.1.3 Test Mode = LTE/TM1 10MHz

4.1.1.3.1 Test Channel = LCH



Date: 21.DEC.2016 10:33:34

4.1.1.3.2 Test Channel = MCH

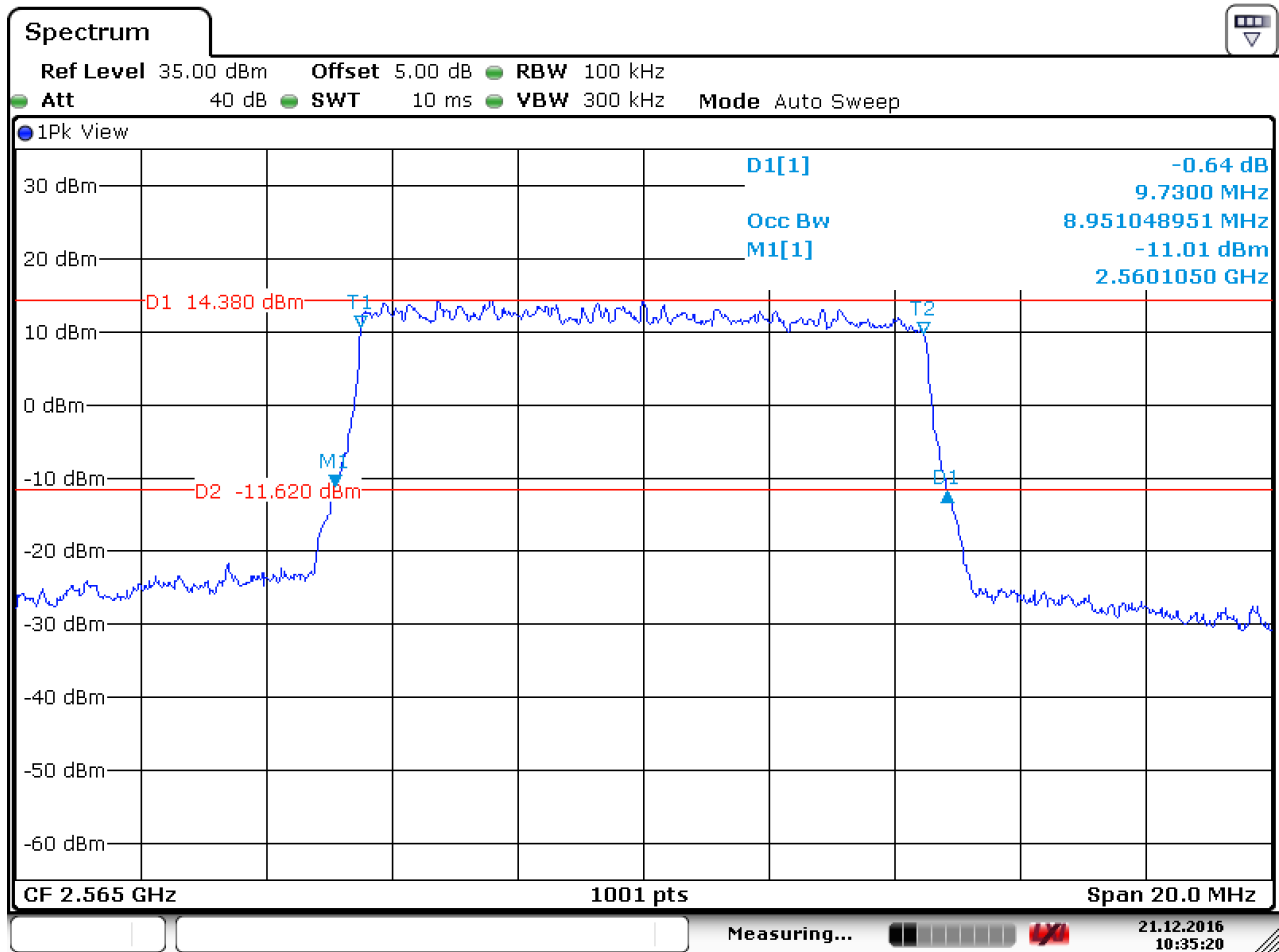


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4.1.1.3.3 Test Channel = HCH



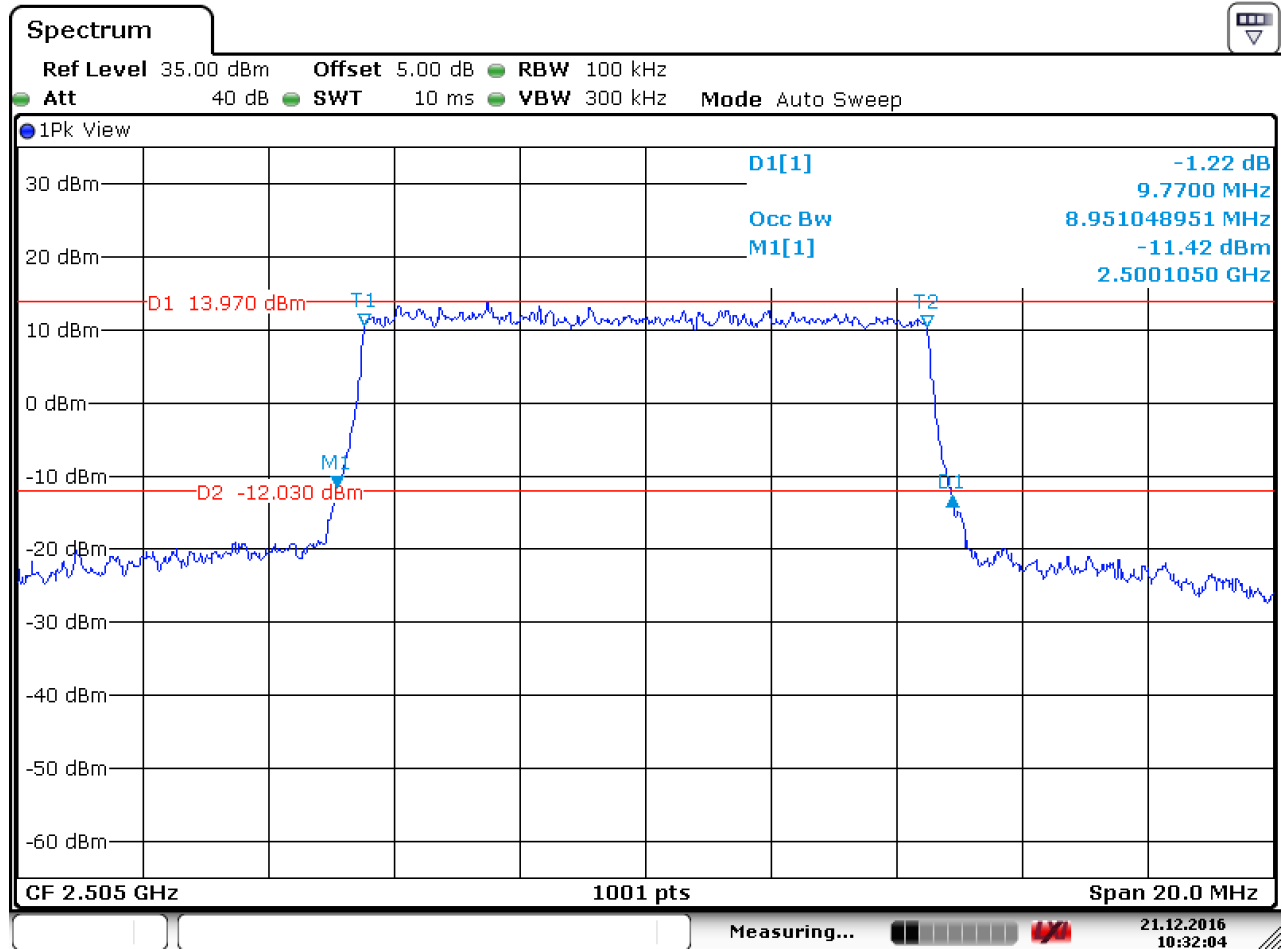
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4.1.1.4 Test Mode = LTE/TM2 10MHz

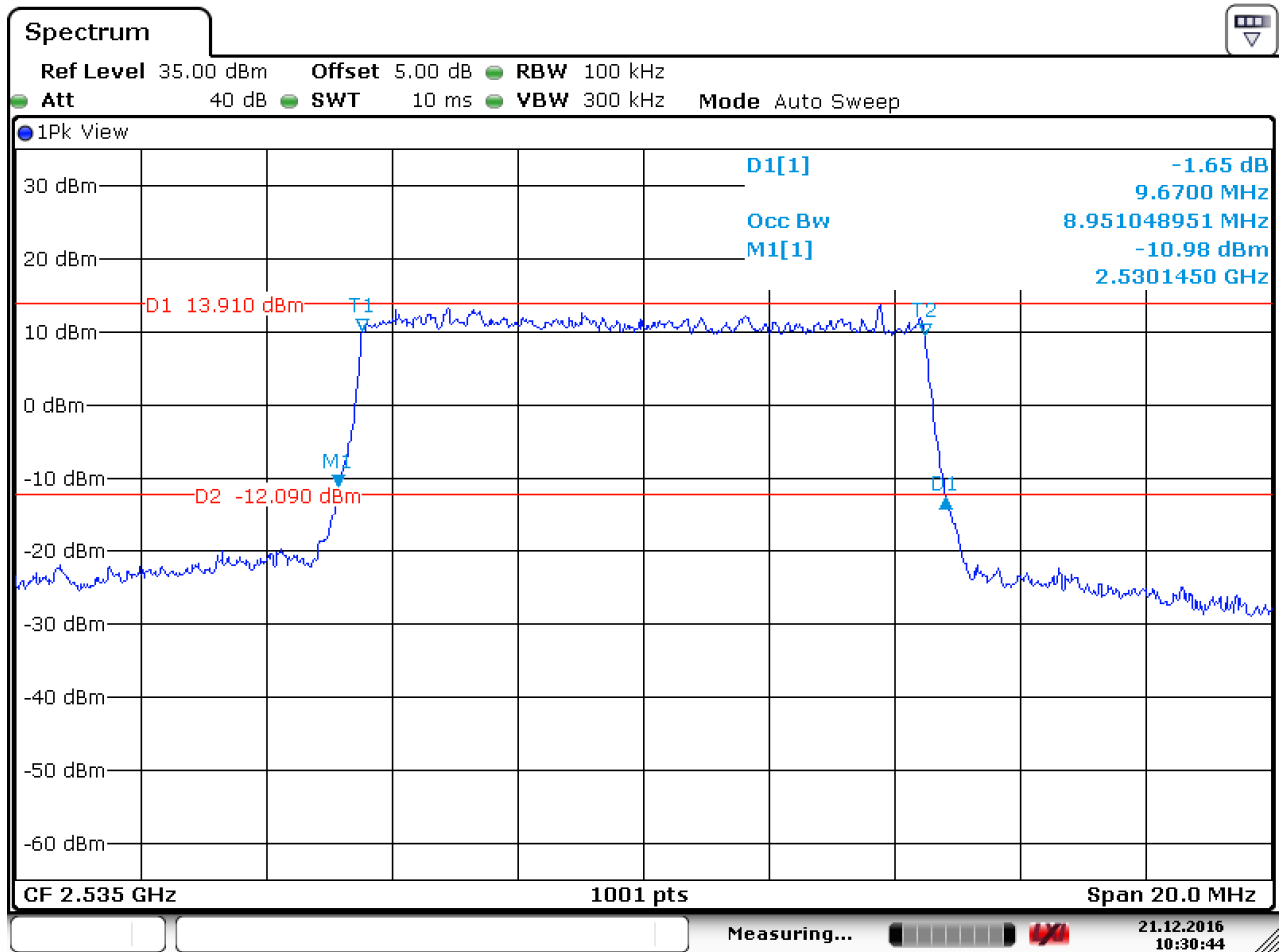
4.1.1.4.1 Test Channel = LCH



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4.1.1.4.2 Test Channel = MCH

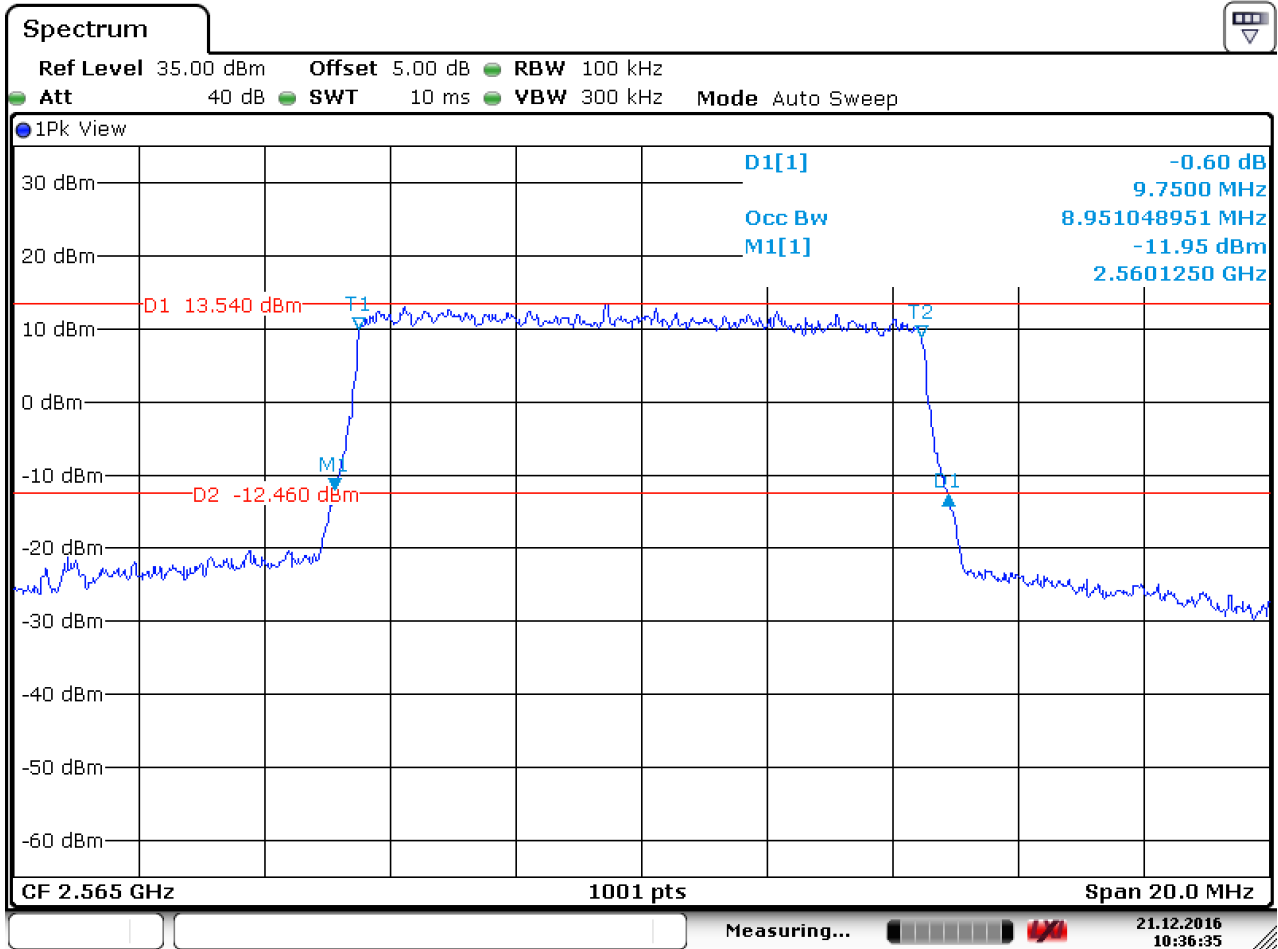


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4.1.1.4.3 Test Channel = HCH



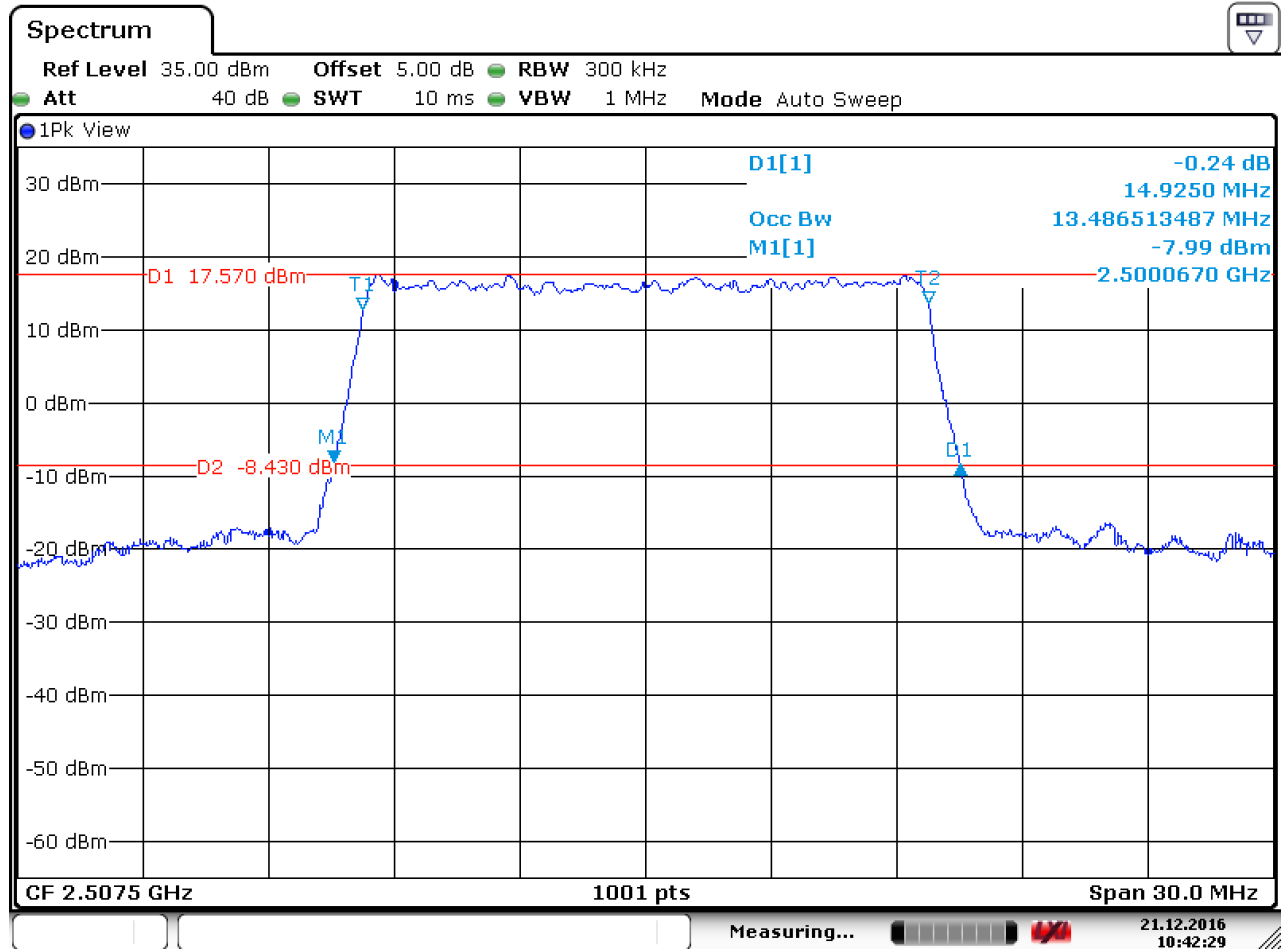
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4.1.1.5 Test Mode = LTE/TM1 15MHz

4.1.1.5.1 Test Channel = LCH

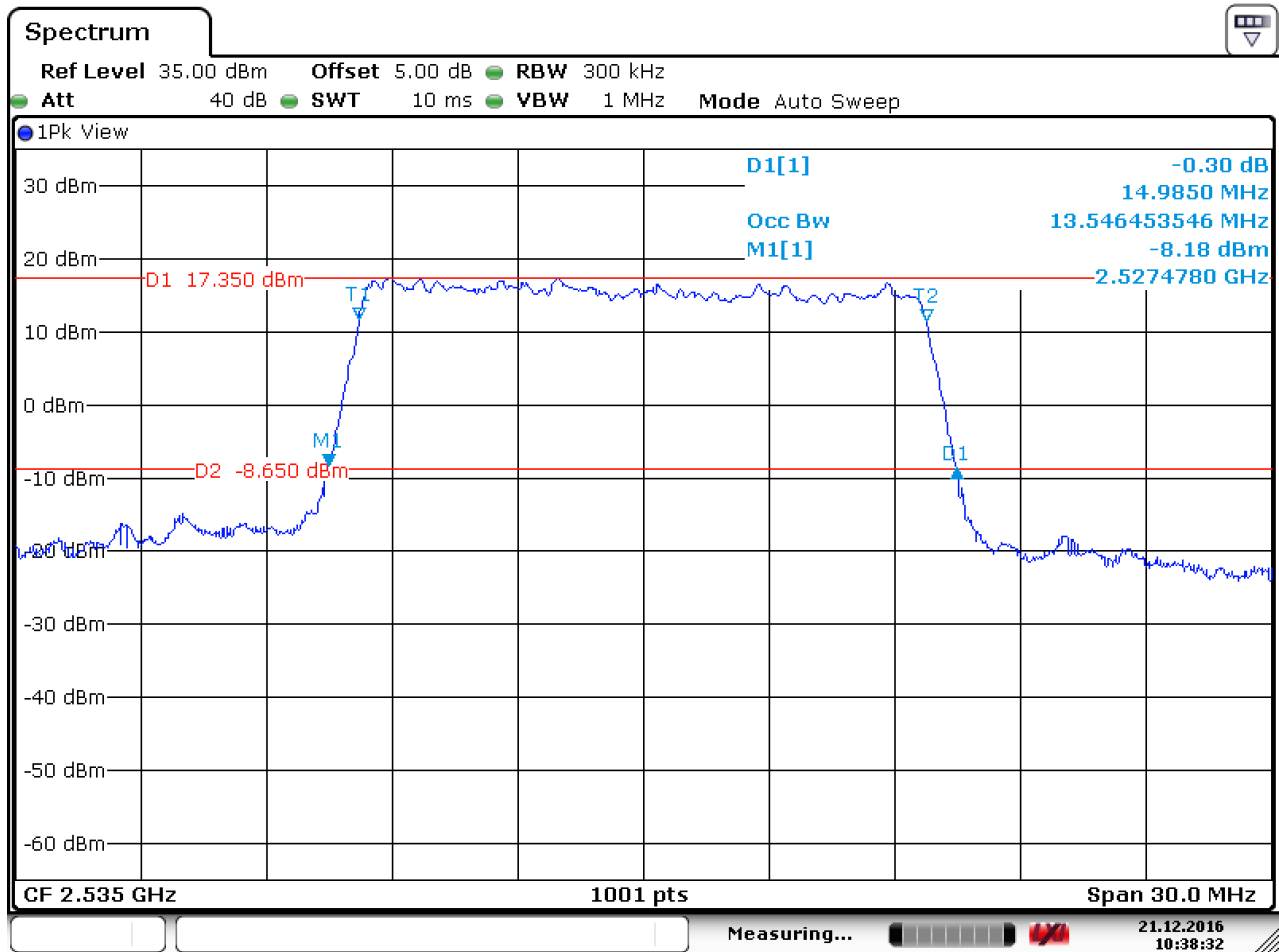


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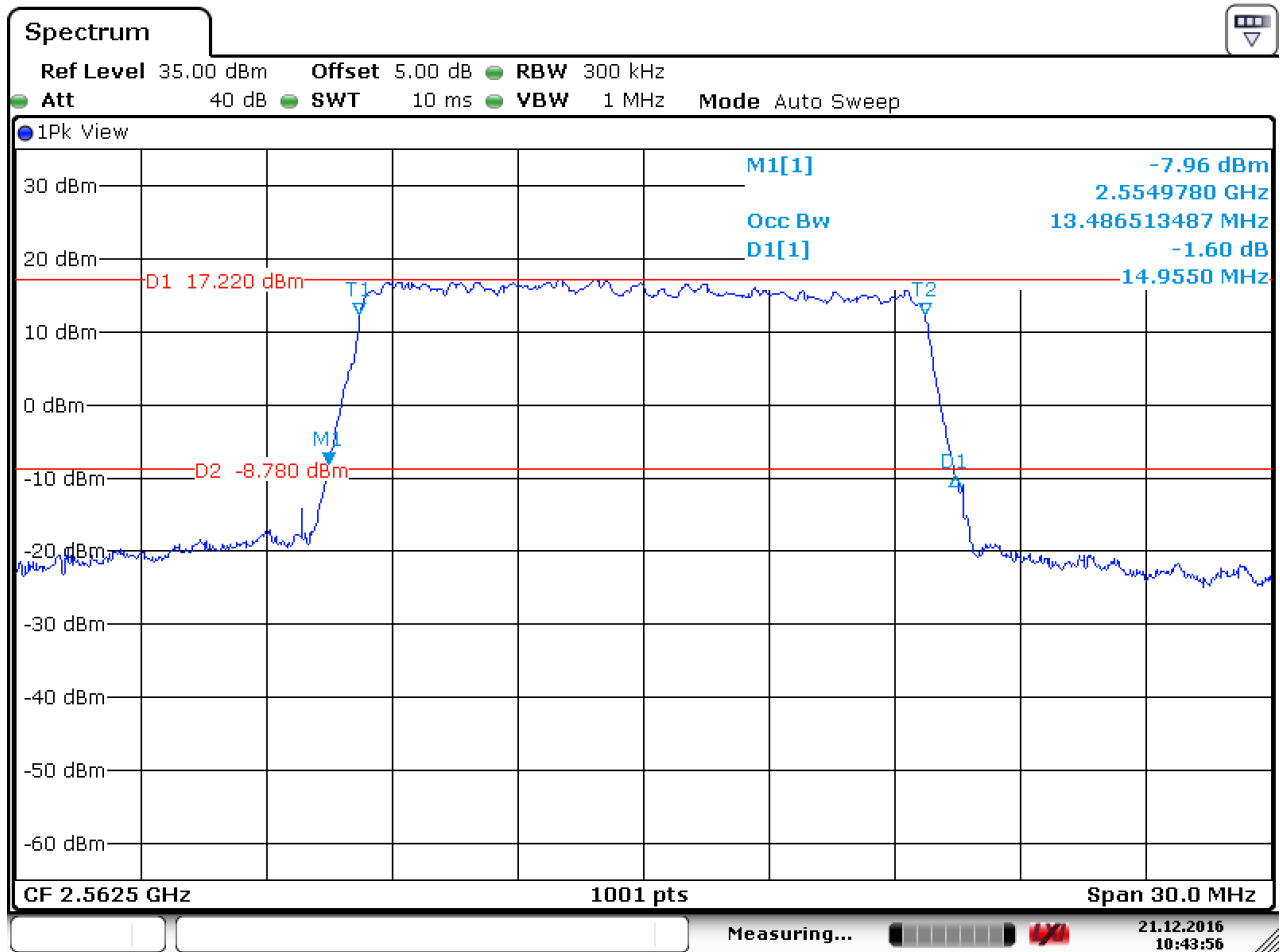
4.1.1.5.2 Test Channel = MCH



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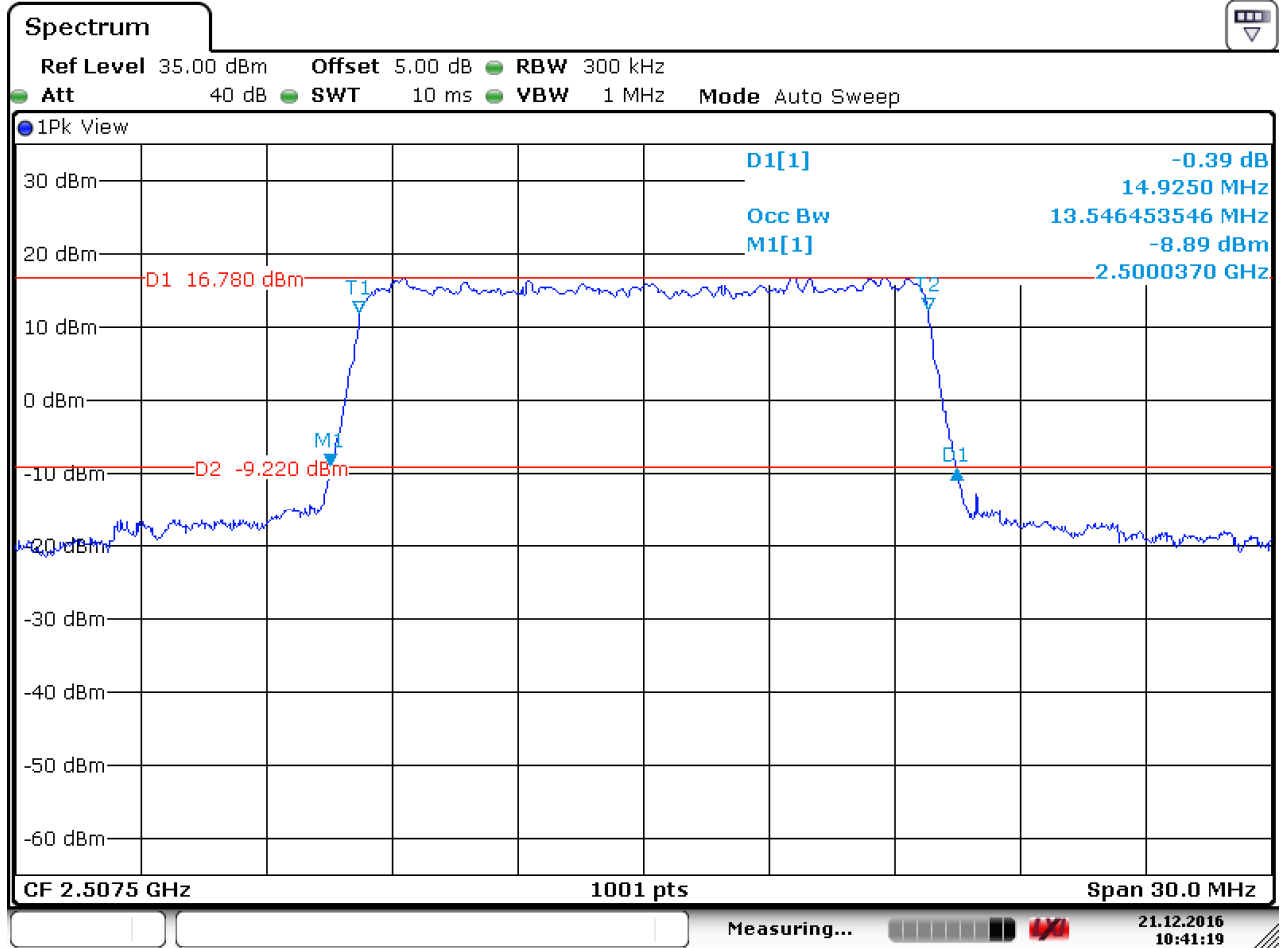
4.1.1.5.3 Test Channel = HCH



Date: 21.DEC.2016 10:43:56

4.1.1.6 Test Mode = LTE/TM2 15MHz

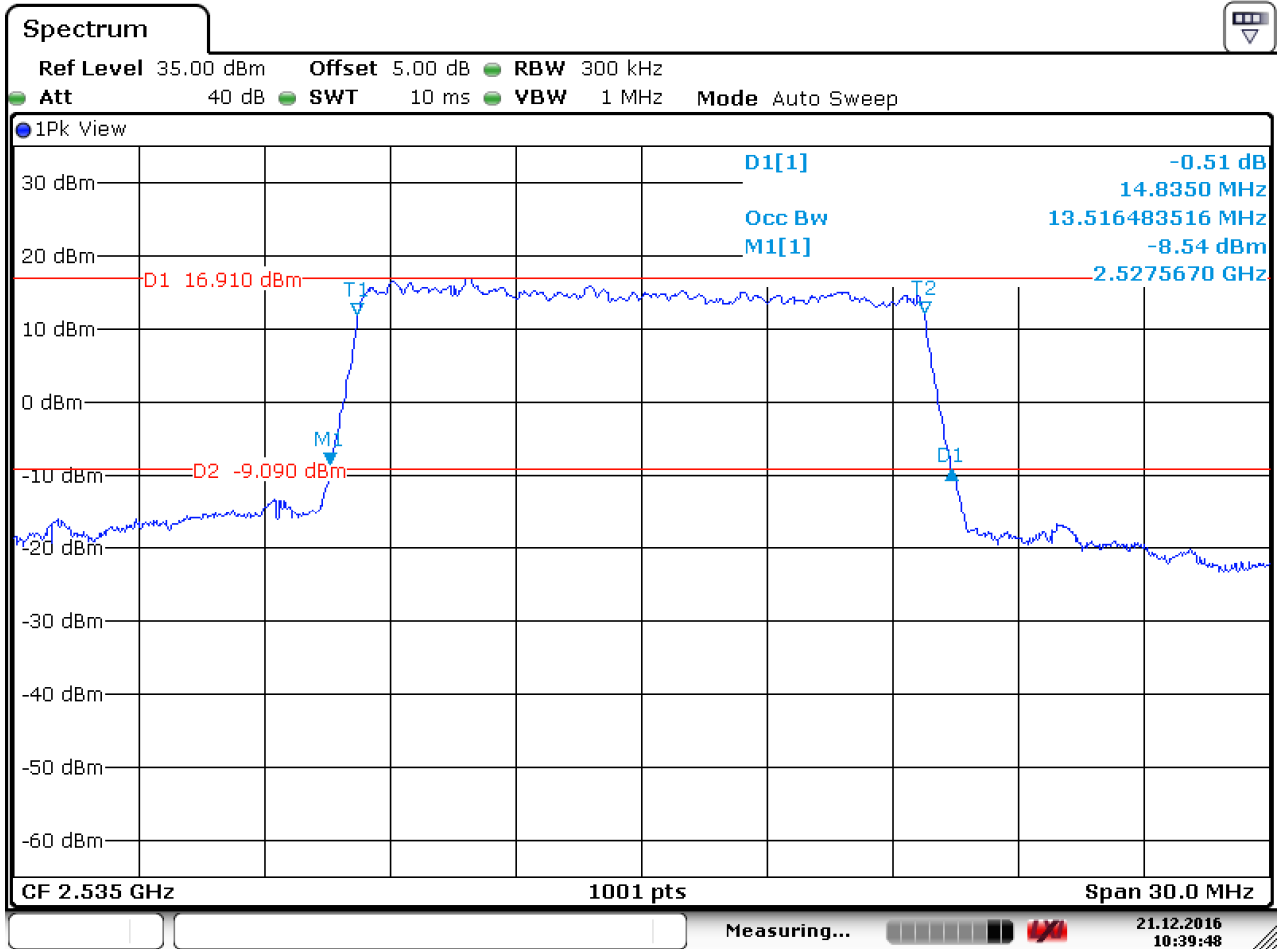
4.1.1.6.1 Test Channel = LCH



Date: 21.DEC.2016 10:41:20

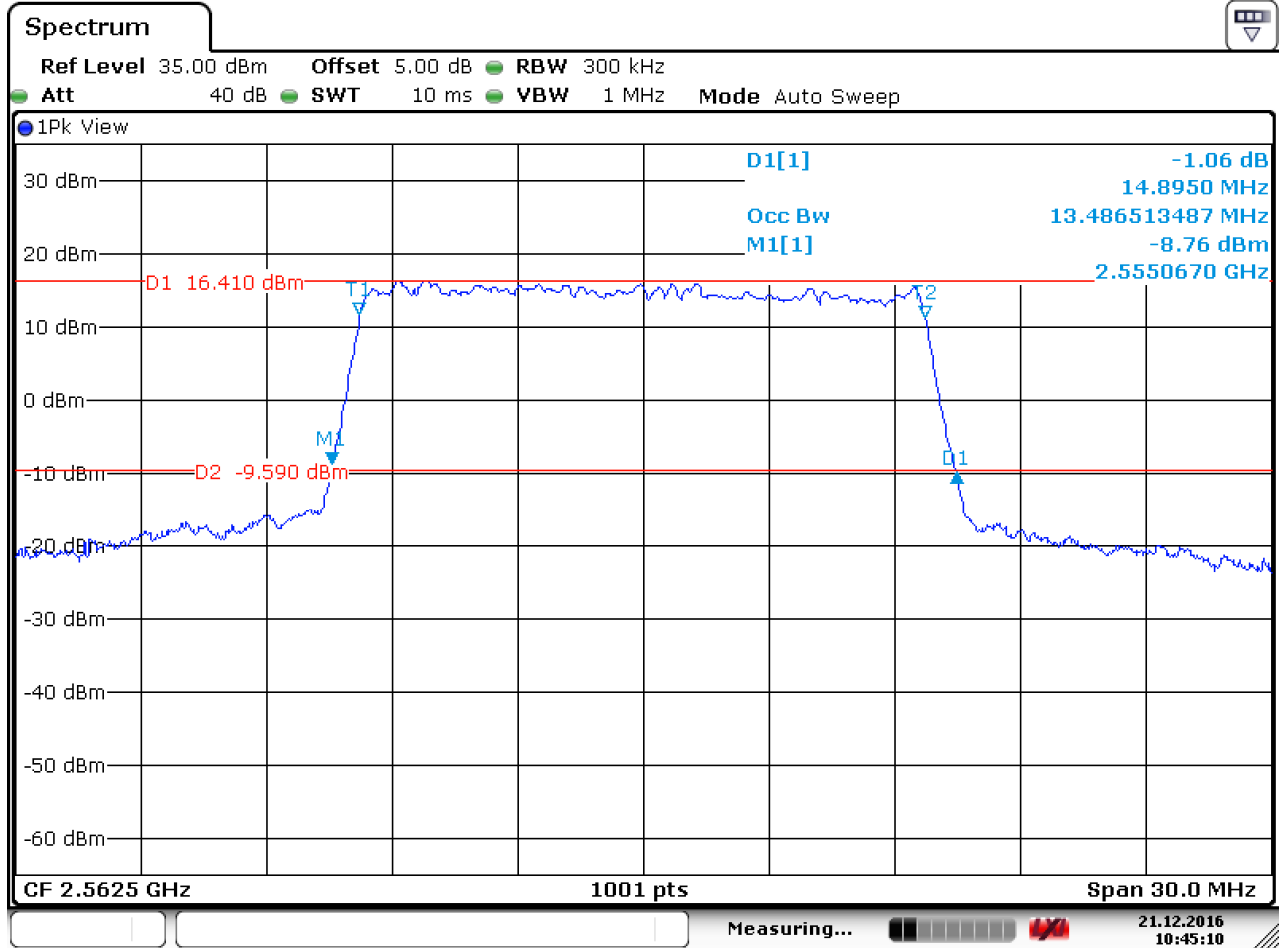
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4.1.1.6.2 Test Channel = MCH



Date: 21.DEC.2016 10:39:48

4.1.1.6.3 Test Channel = HCH

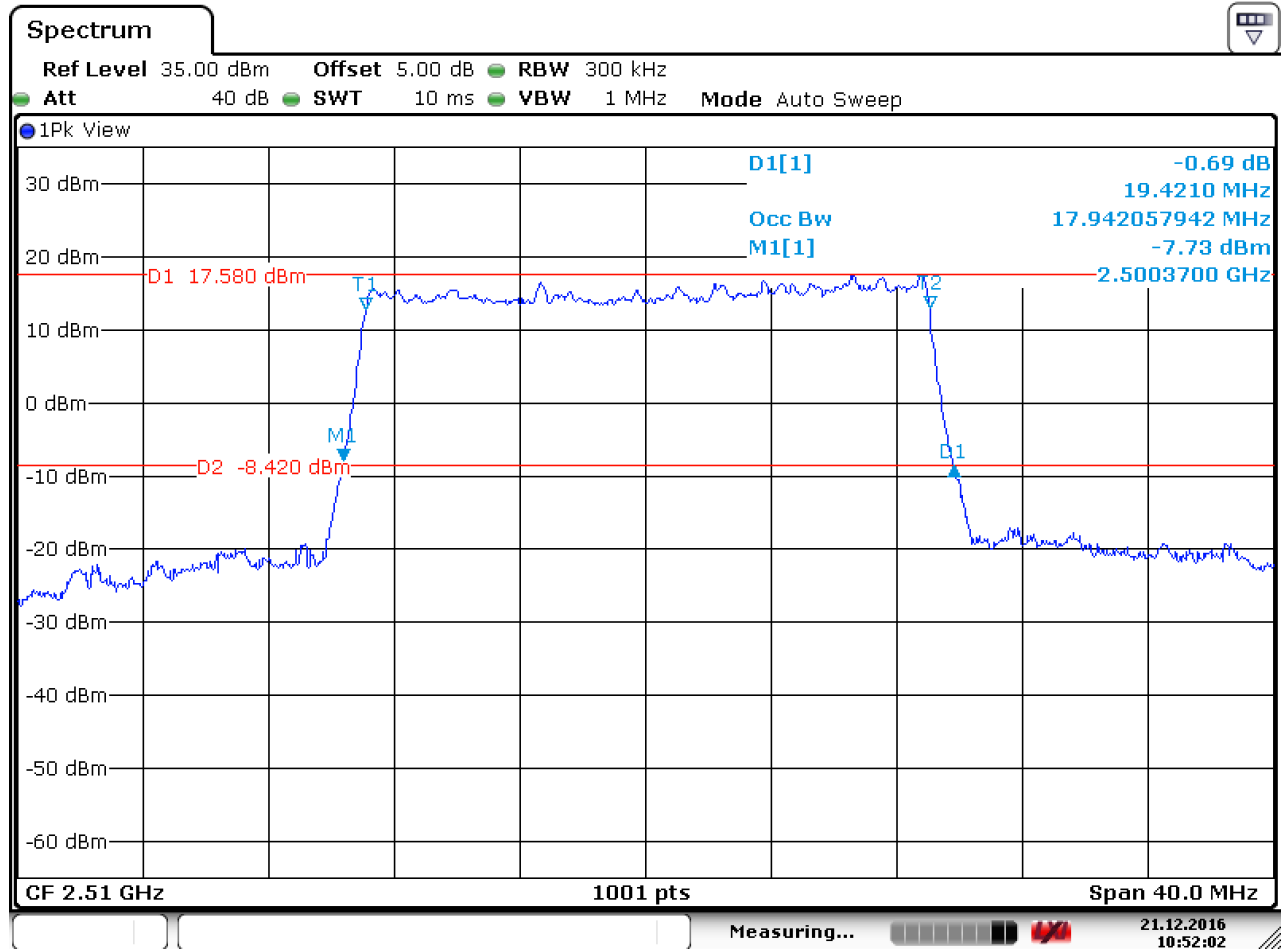


Date: 21.DEC.2016 10:45:11



4.1.1.7 Test Mode = LTE/TM1 20MHz

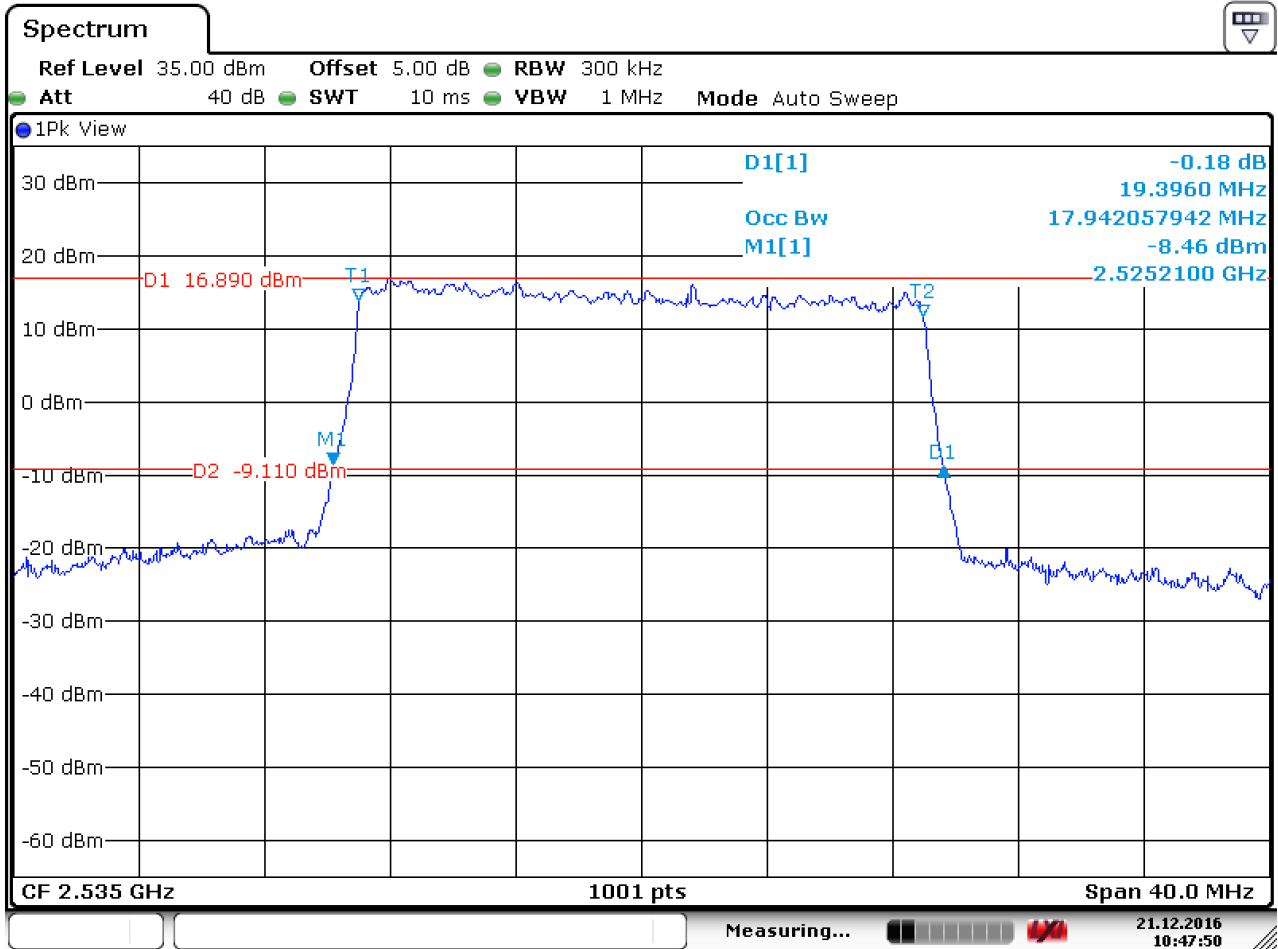
4.1.1.7.1 Test Channel = LCH



Date: 21.DEC.2016 10:52:02

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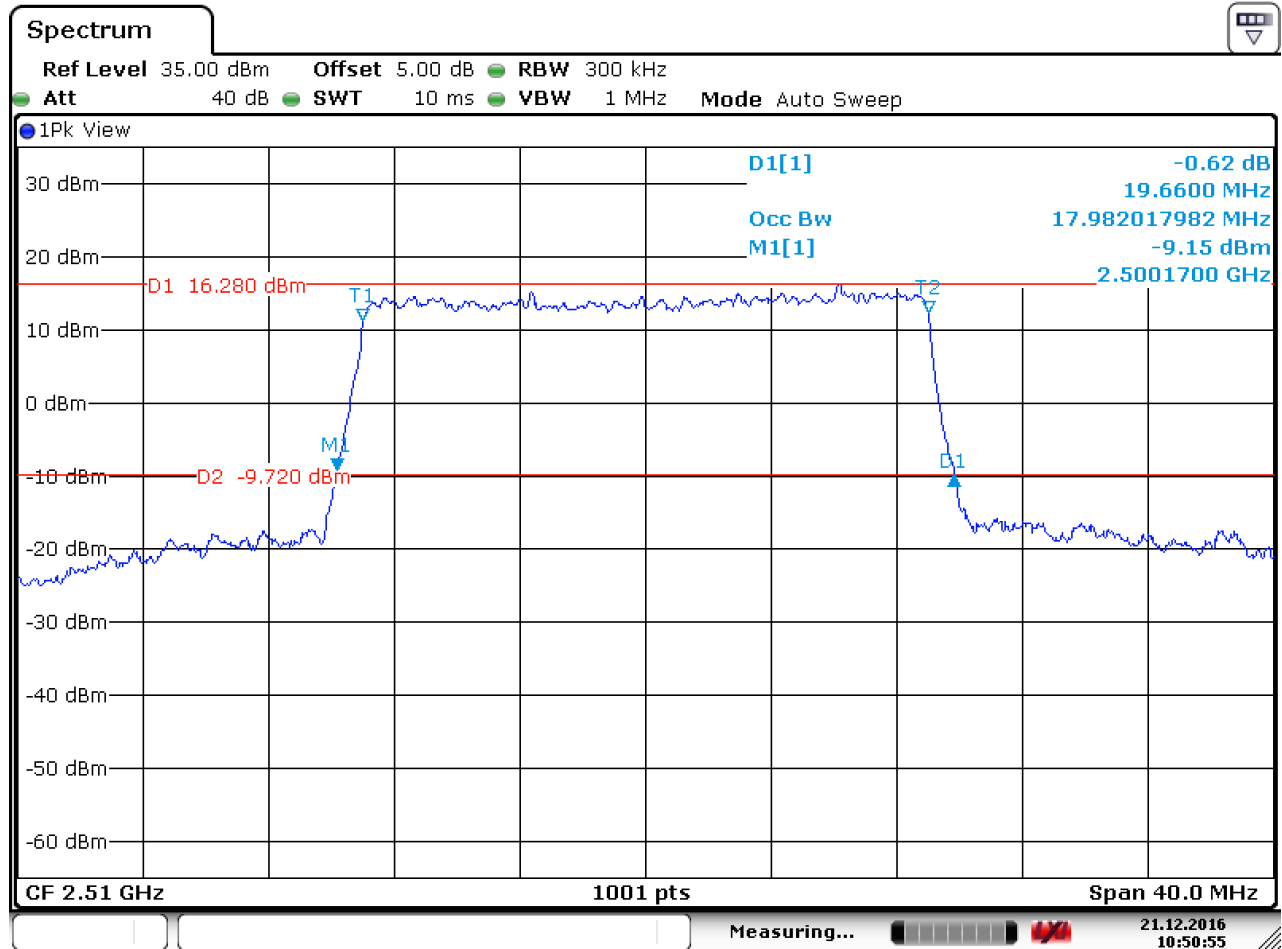
4.1.1.7.2 Test Channel = MCH



Date: 21.DEC.2016 10:47:51

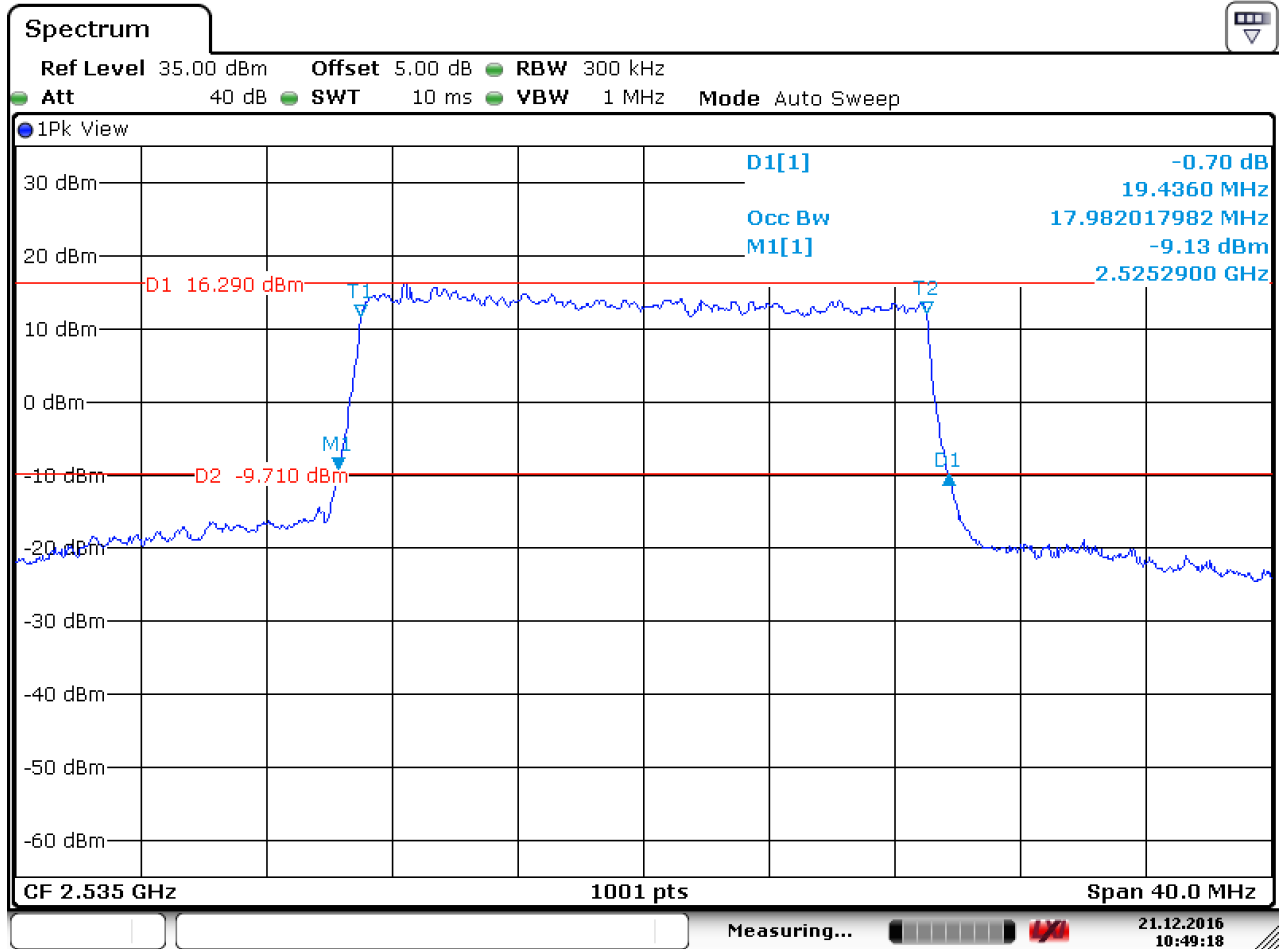
4.1.1.8 Test Mode = LTE/TM2 20MHz

4.1.1.8.1 Test Channel = LCH



Date: 21.DEC.2016 10:50:55

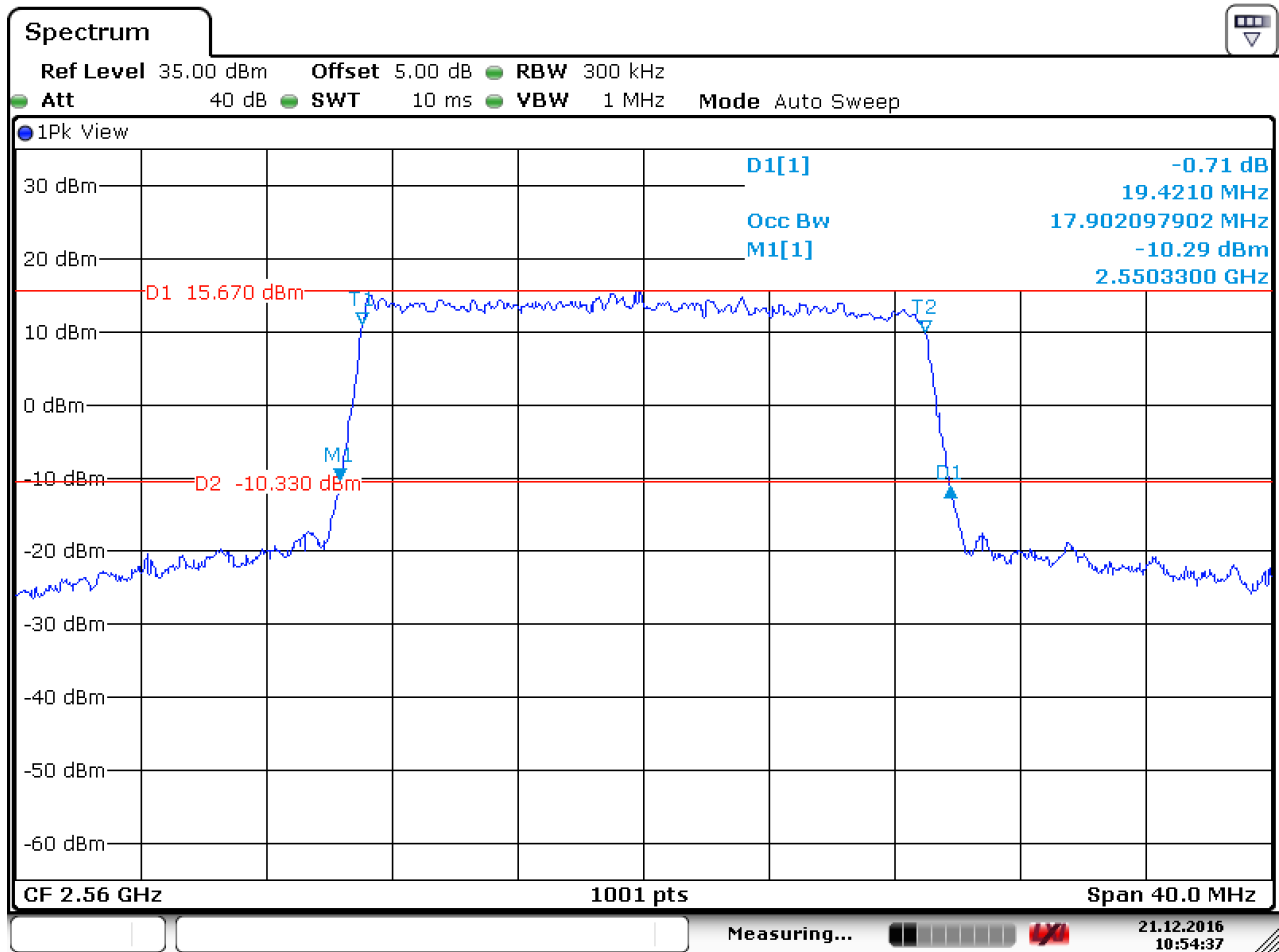
4.1.1.8.2 Test Channel = MCH



Date: 21.DEC.2016 10:49:19



4.1.1.8.3 Test Channel = HCH



Date: 21.DEC.2016 10:54:37

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5 Band Edges Compliance

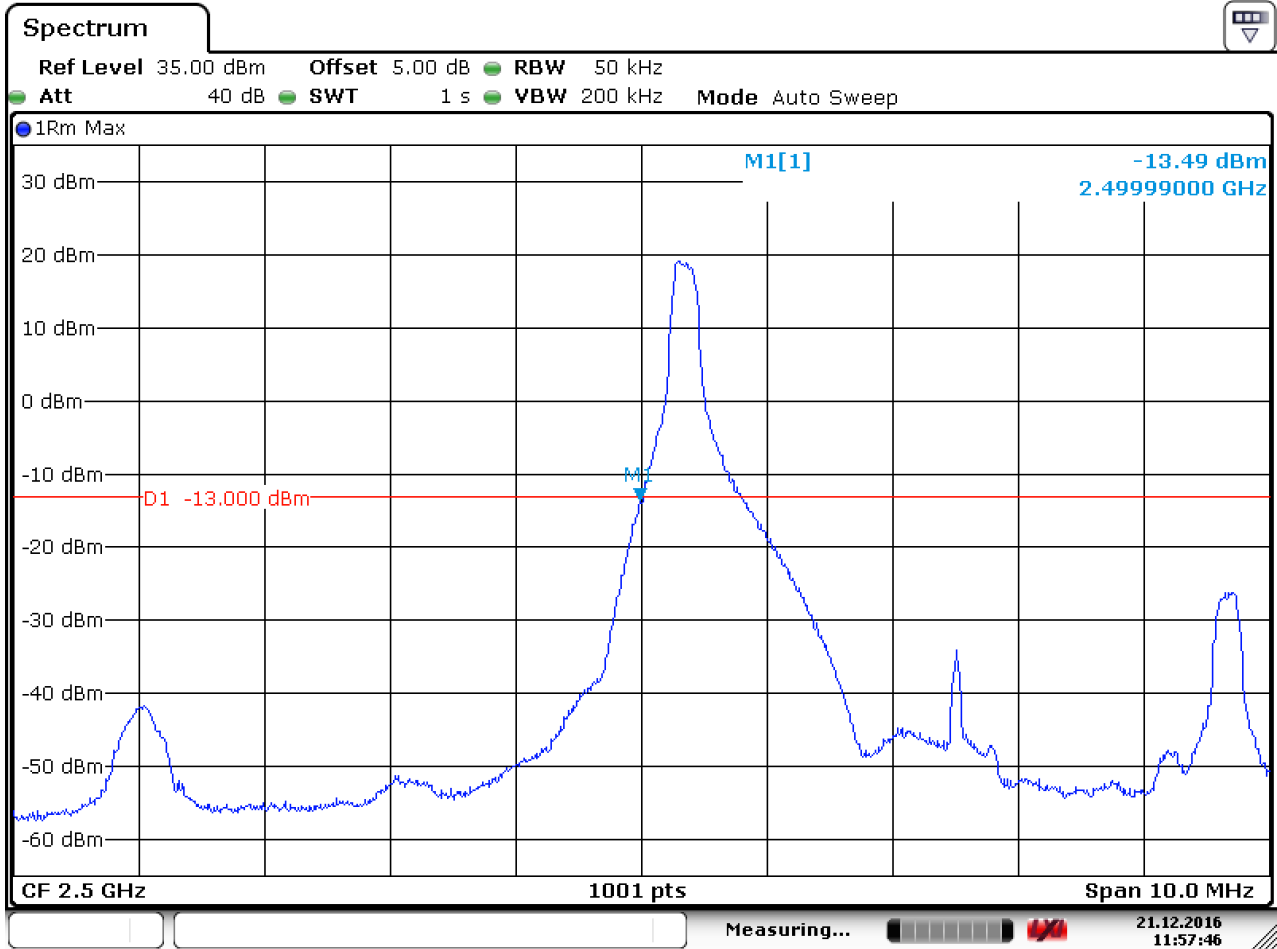
5.1 For LTE

5.1.1 Test Band = LTE band7

5.1.1.1 Test Mode = LTE/TM1 5MHz

5.1.1.1.1 Test Channel = LCH

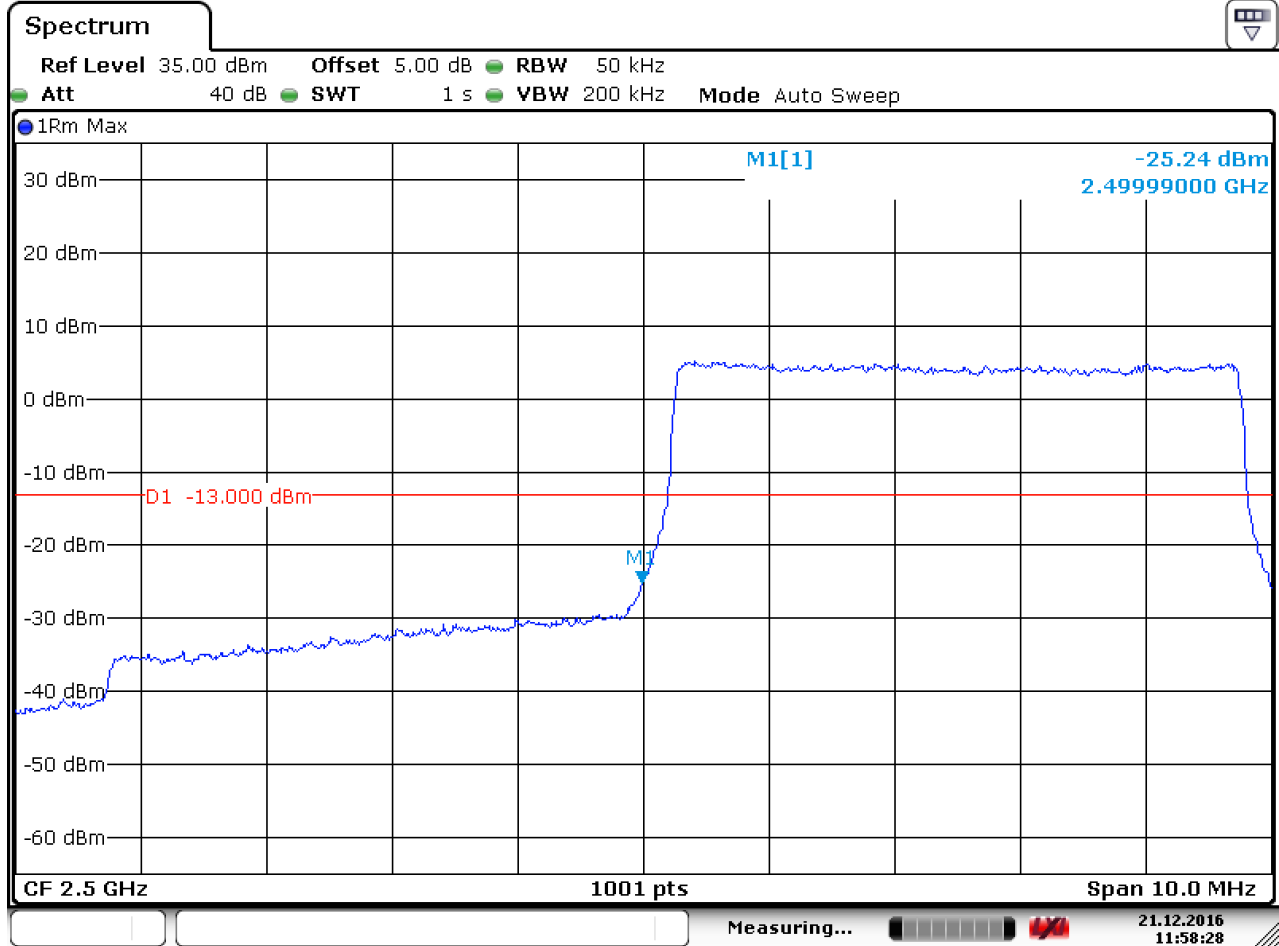
5.1.1.1.1.1 Test RB=1RB



Date: 21.DEC.2016 11:57:46



5.1.1.1.1.2 Test RB=25RB



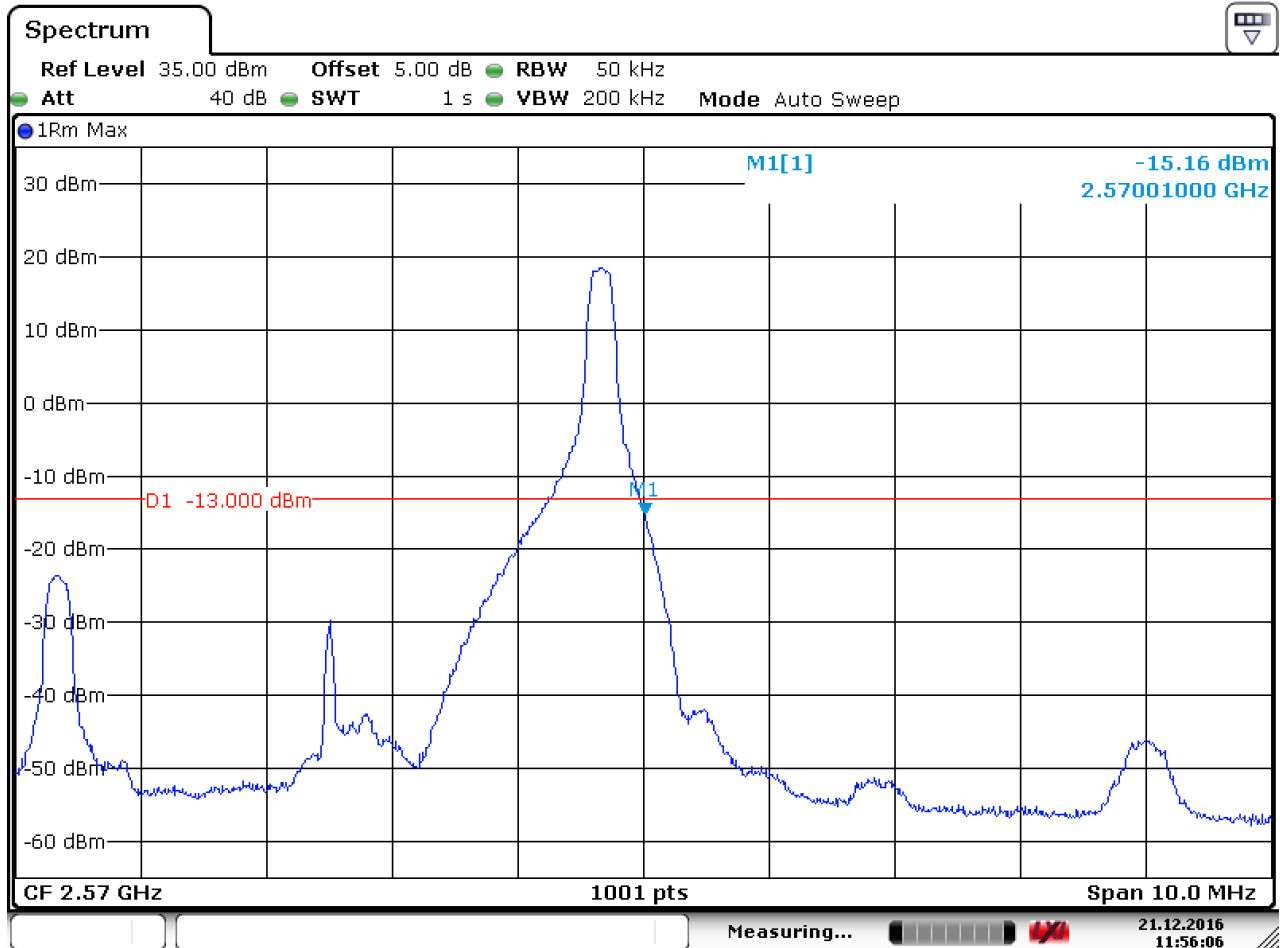
Date: 21.DEC.2016 11:58:28

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5.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 Test RB=1RB

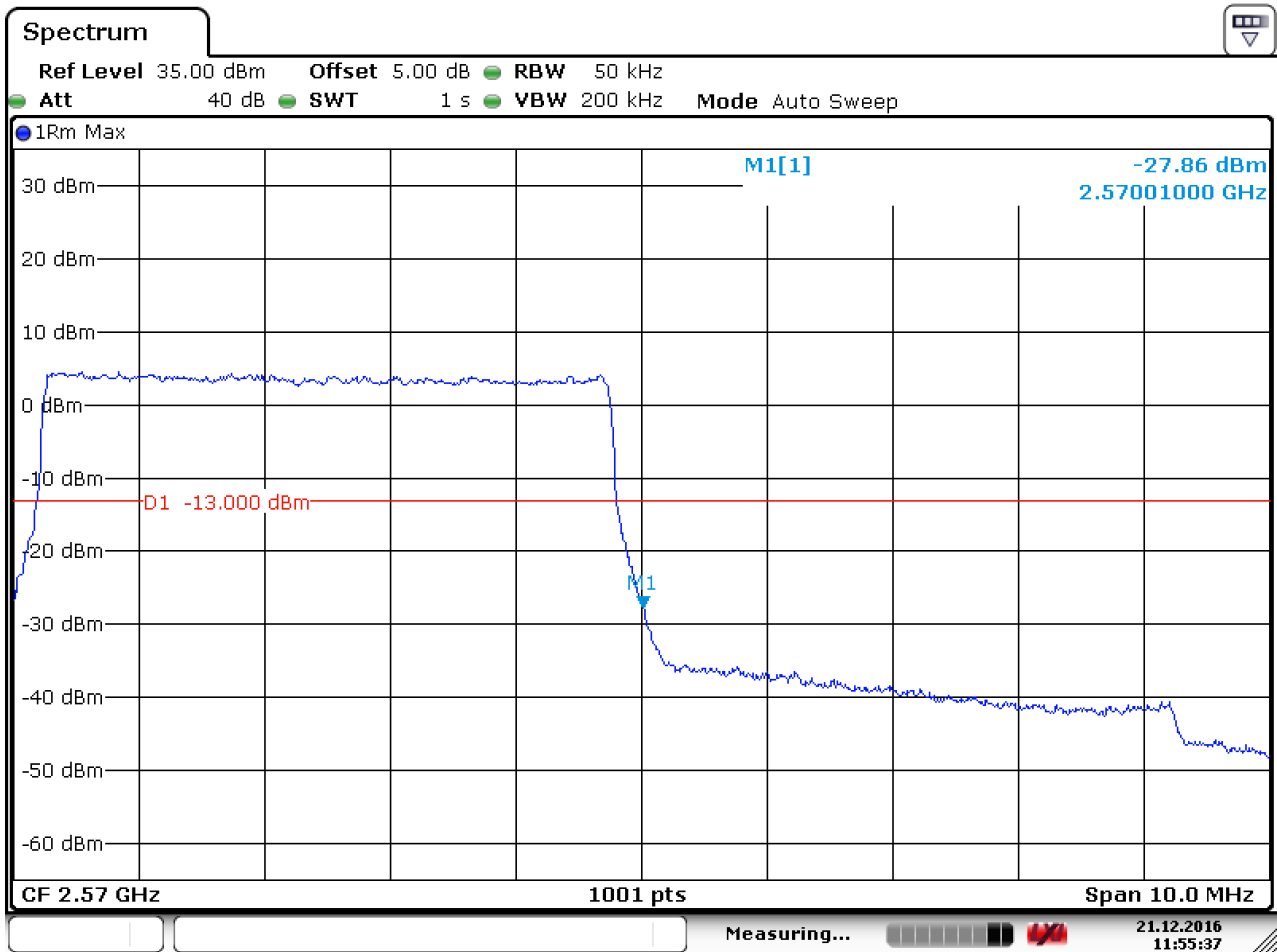


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5.1.1.1.2.2 Test RB=25RB



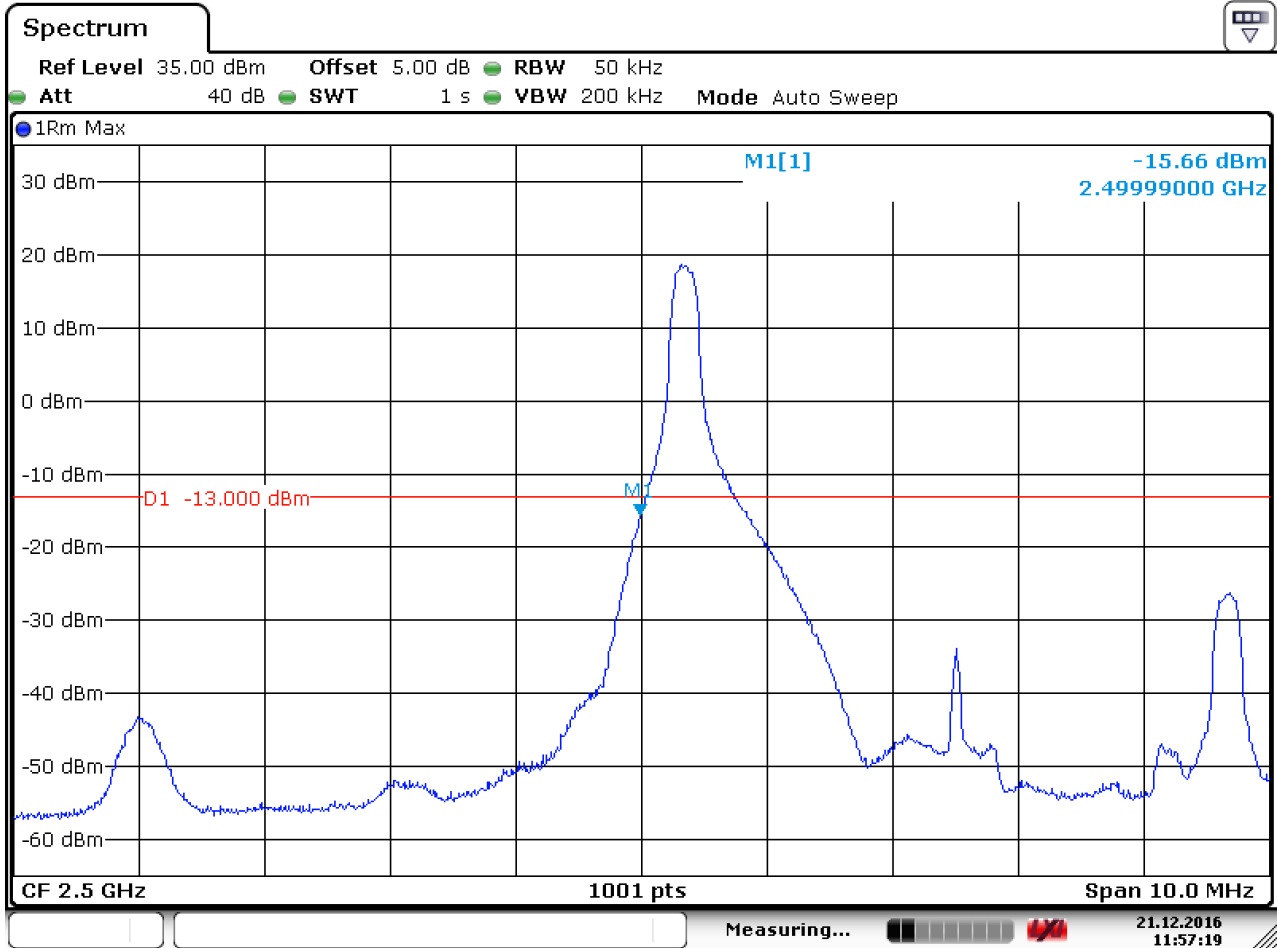
Date: 21.DEC.2016 11:55:37

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5.1.1.2 Test Mode = LTE/TM2 5MHz

5.1.1.2.1 Test Channel = LCH

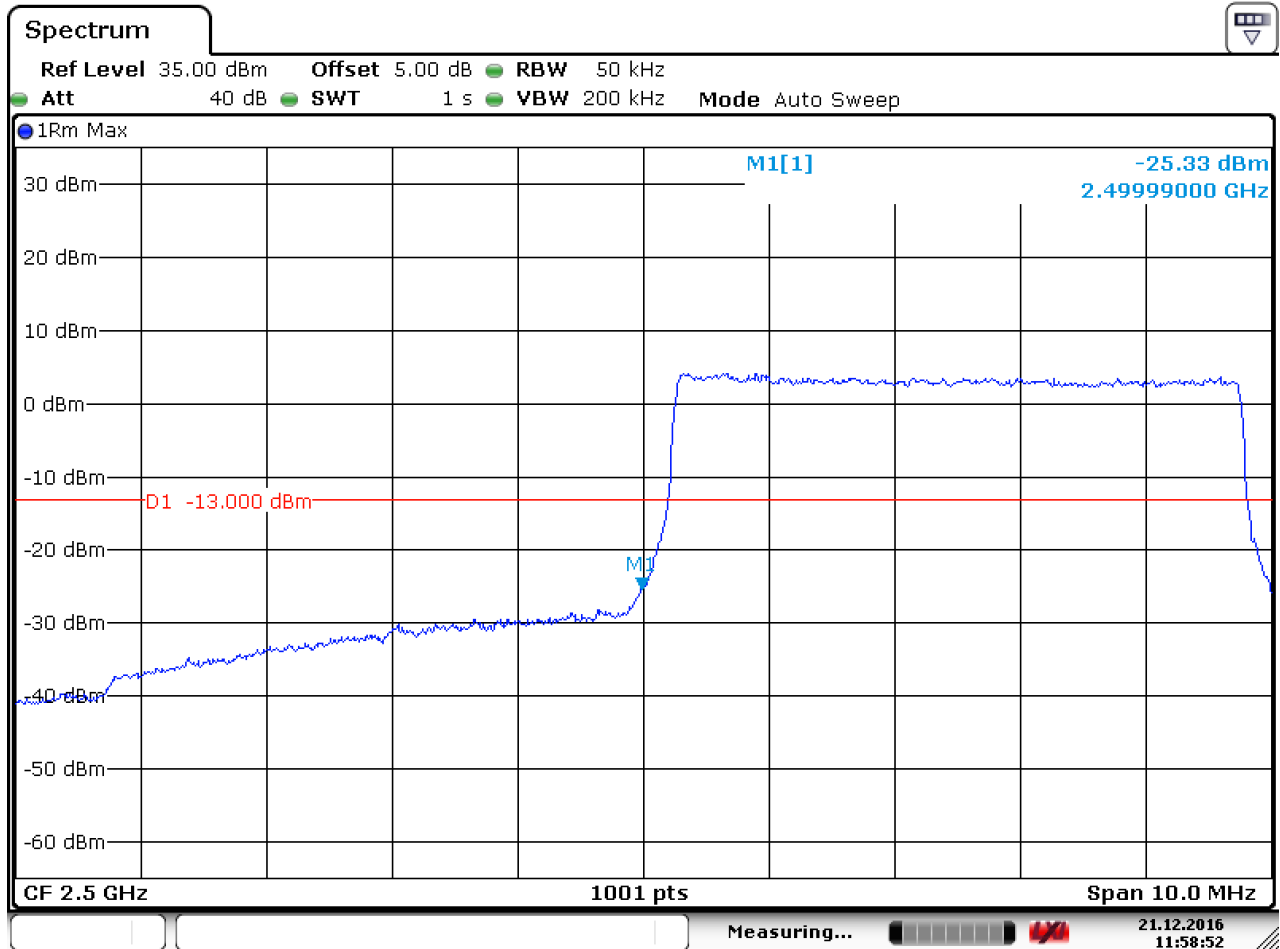
5.1.1.2.1.1 Test RB=1RB



Date: 21.DEC.2016 11:57:19



5.1.1.2.1.2 Test RB=25RB

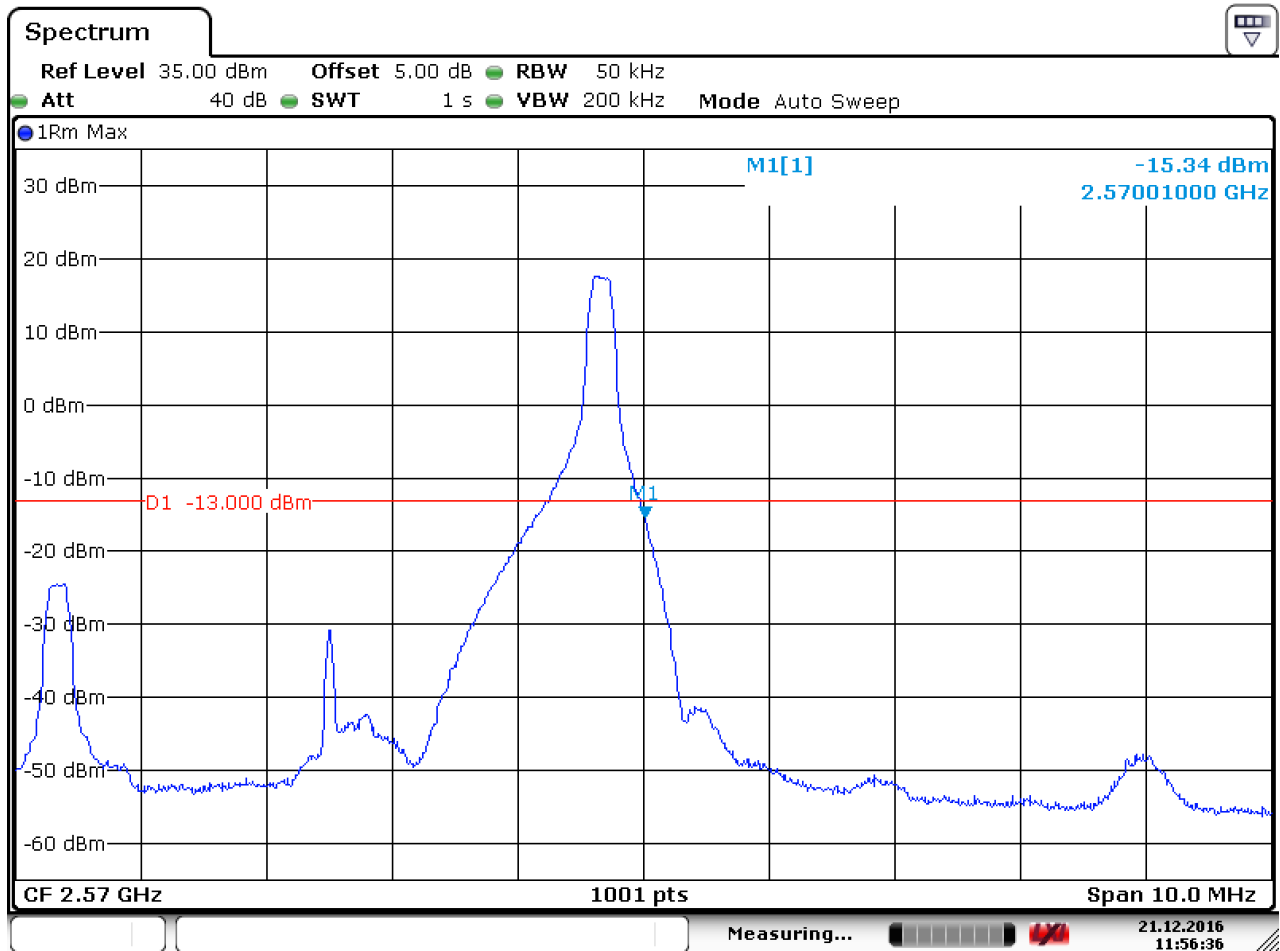


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5.1.1.2.2 Test Channel = HCH

5.1.1.2.2.1 Test RB=1RB

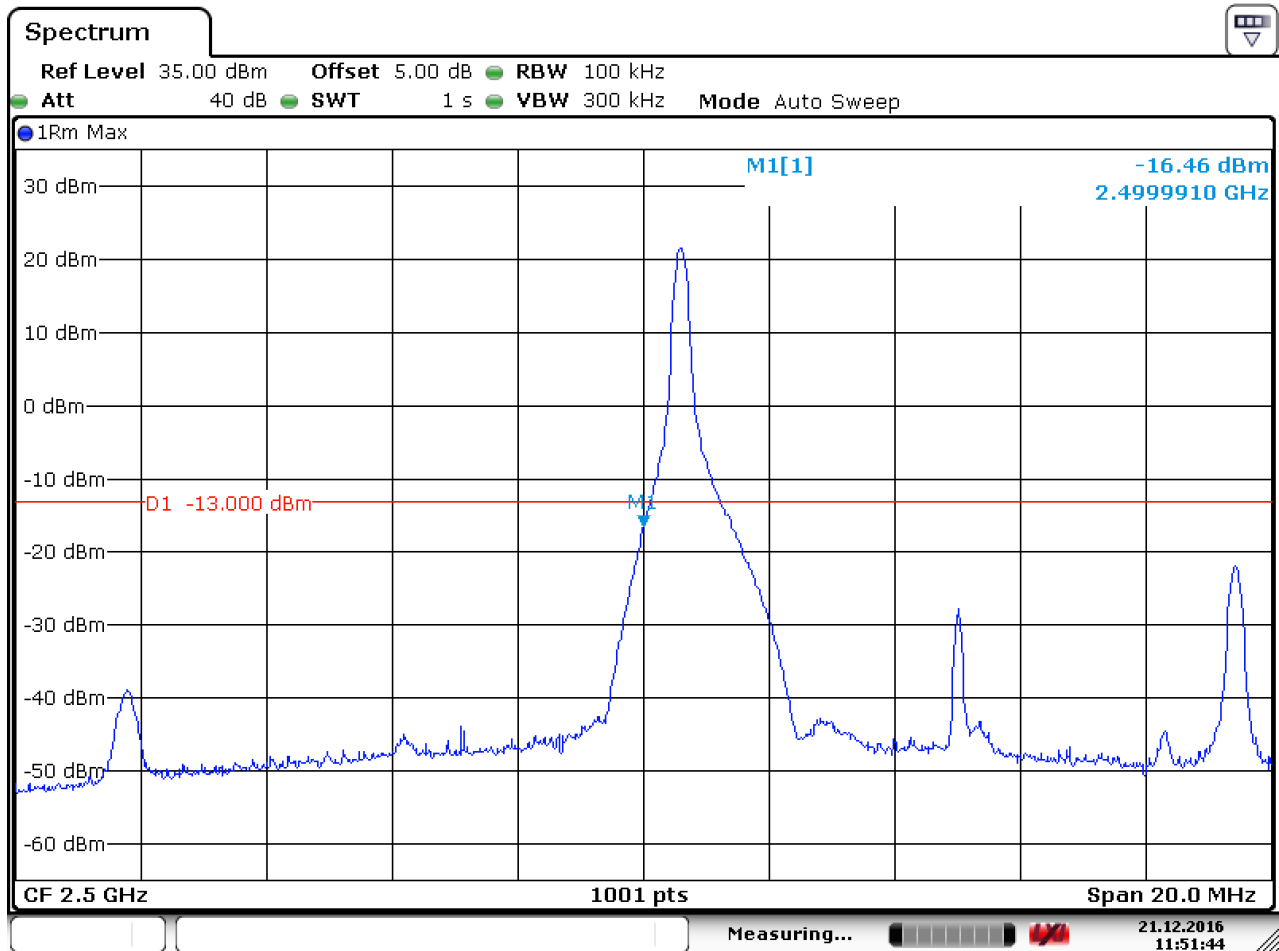


Date: 21.DEC.2016 11:56:37

5.1.1.3 Test Mode = LTE/TM1 10MHz

5.1.1.3.1 Test Channel = LCH

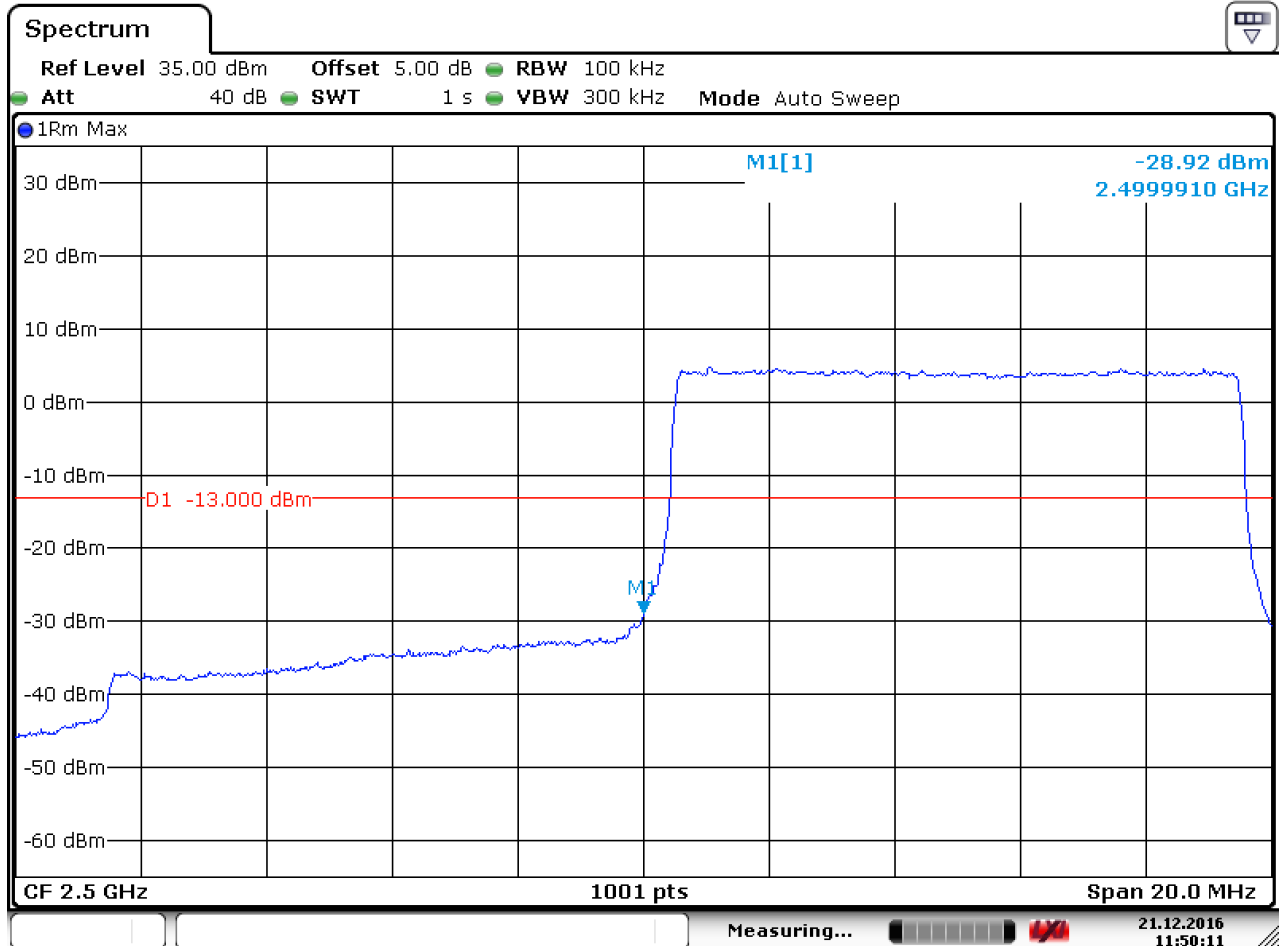
5.1.1.3.1.1 Test RB=1RB



Date: 21.DEC.2016 11:51:44



5.1.1.3.1.2 Test RB=50RB

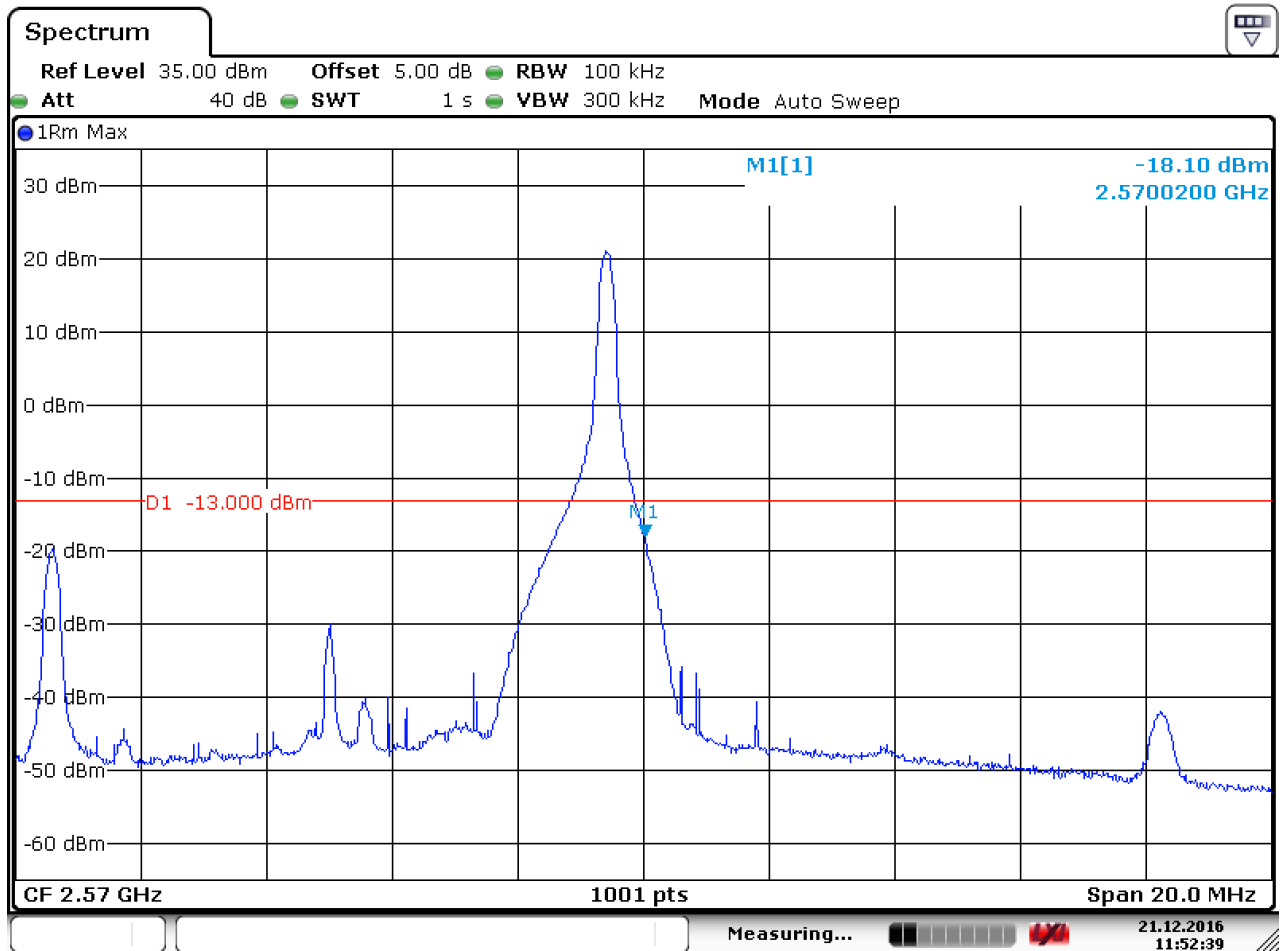


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5.1.1.3.2 Test Channel = HCH

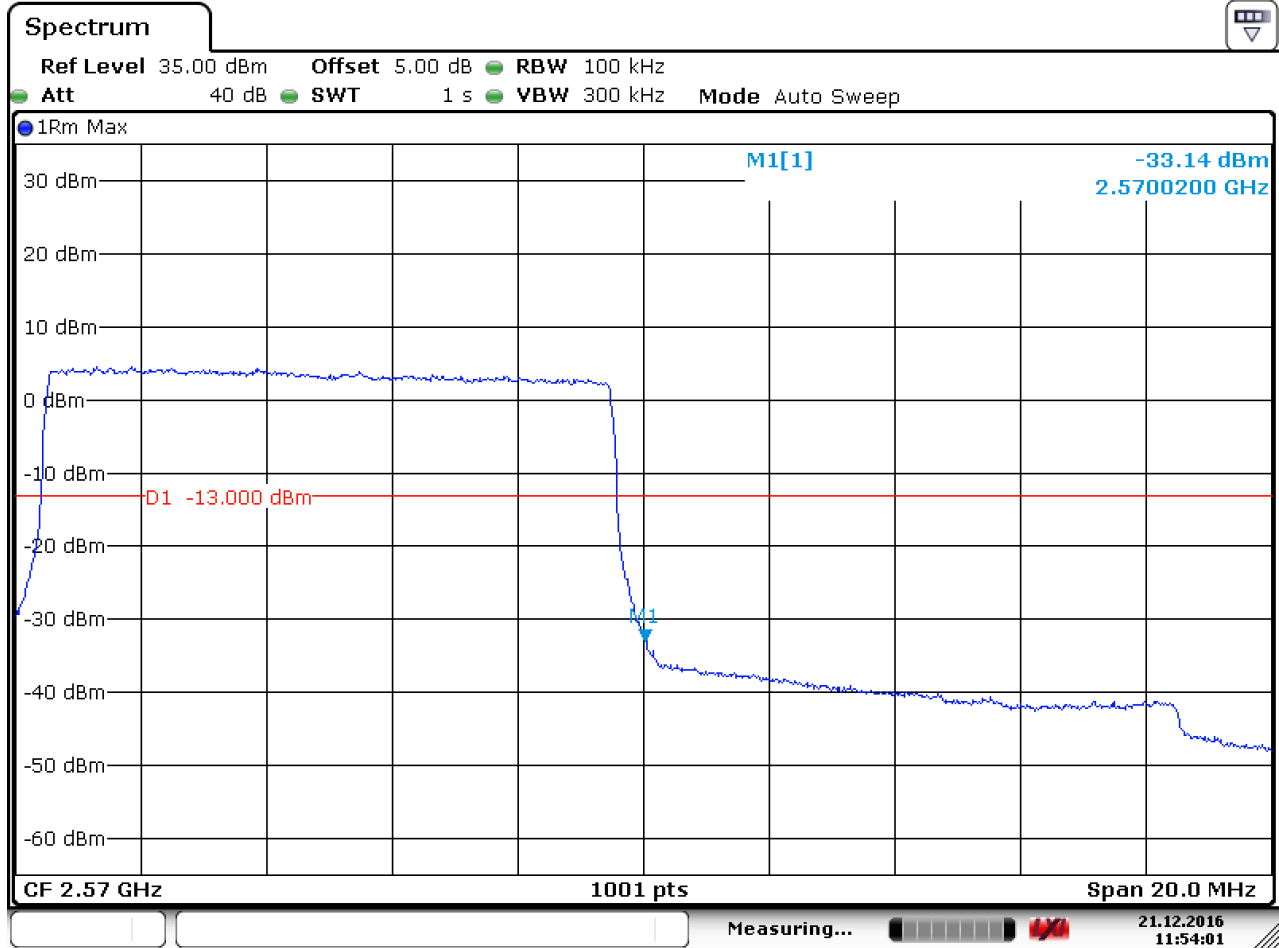
5.1.1.3.2.1 Test RB=1RB



Date: 21.DEC.2016 11:52:40



5.1.1.3.2.2 Test RB=50RB



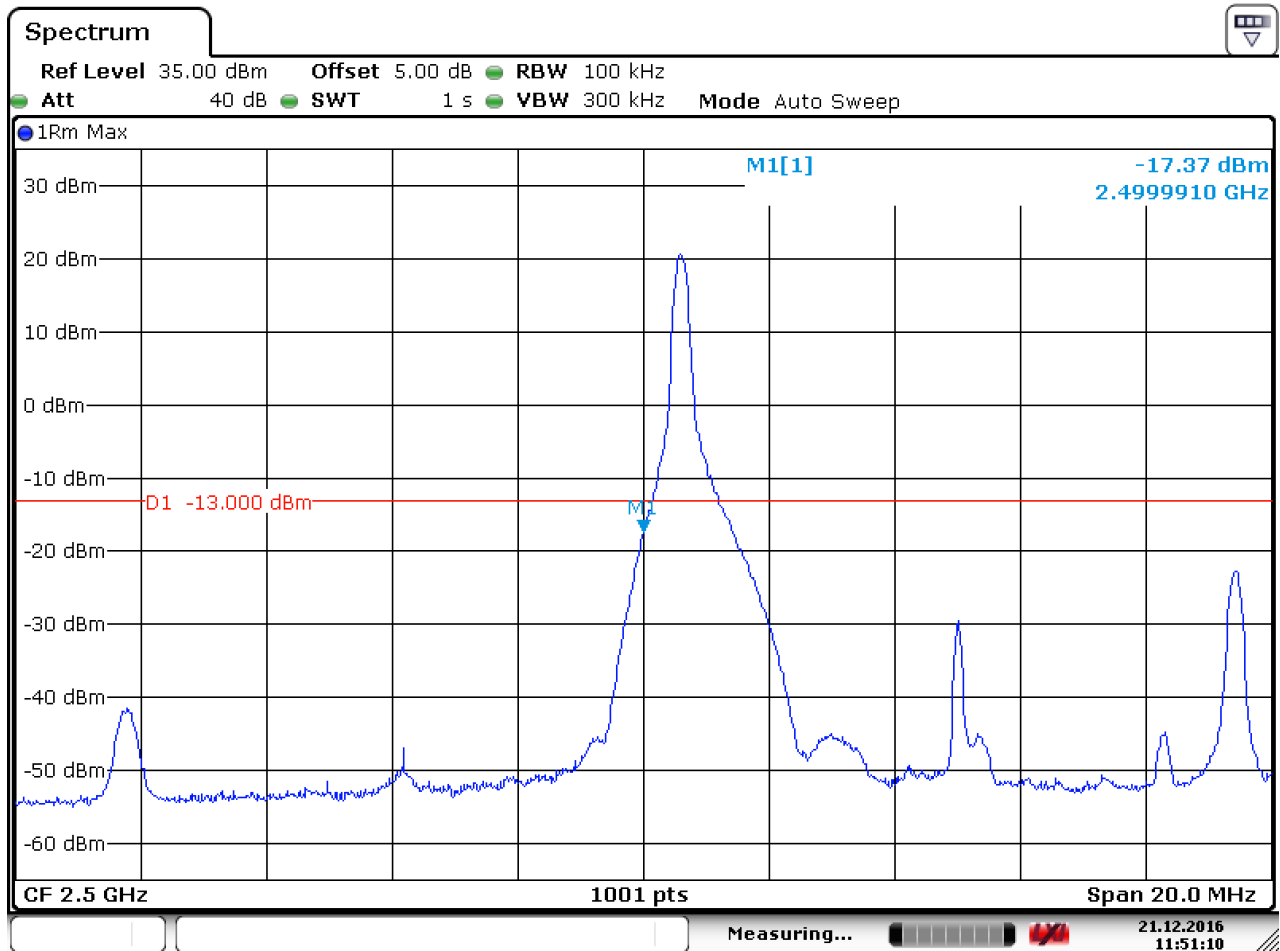
Date: 21.DEC.2016 11:54:02

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5.1.1.4 Test Mode = LTE/TM2 10MHz

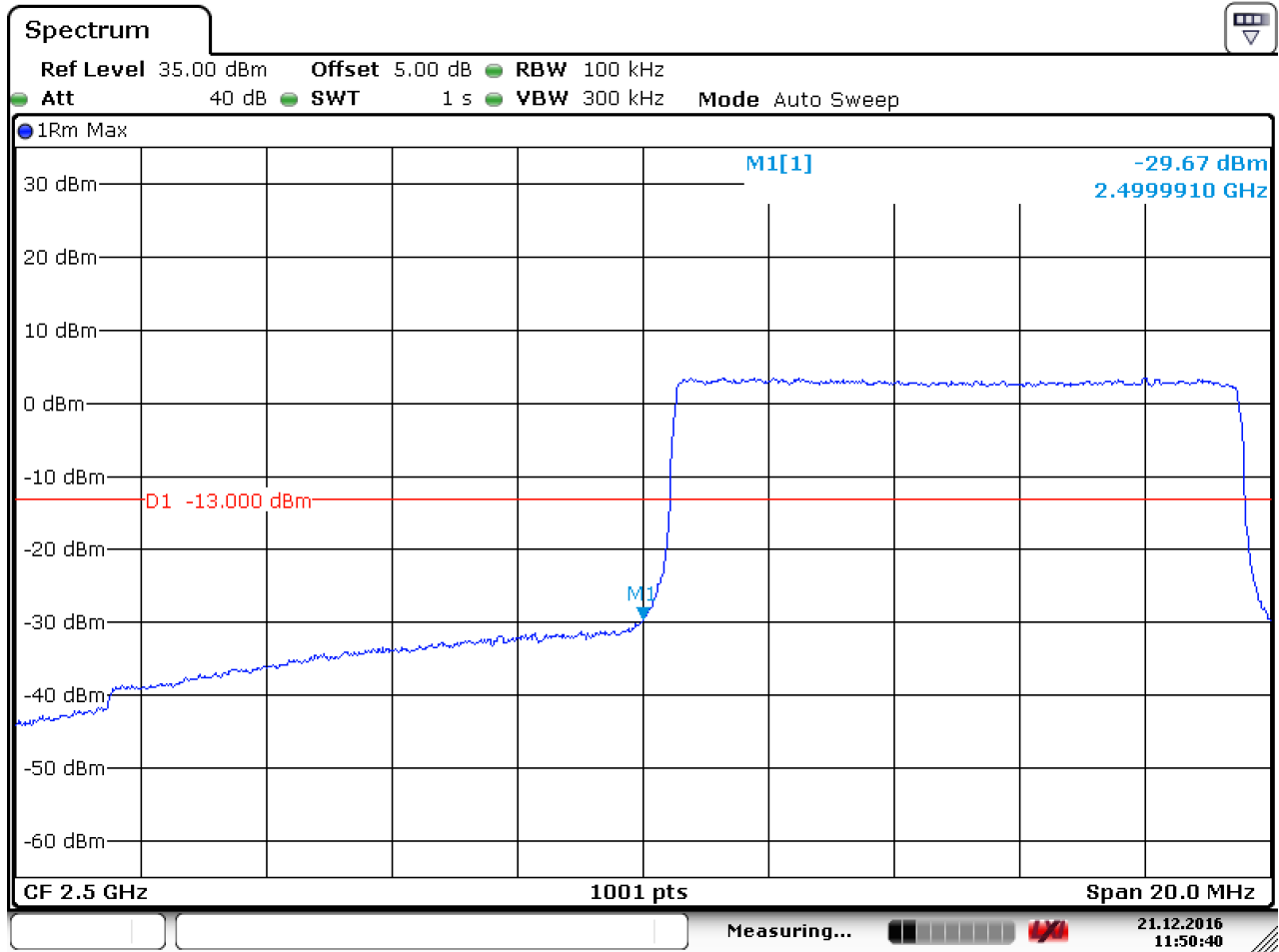
5.1.1.4.1 Test Channel = LCH

5.1.1.4.1.1 Test RB=1RB



Date: 21.DEC.2016 11:51:10

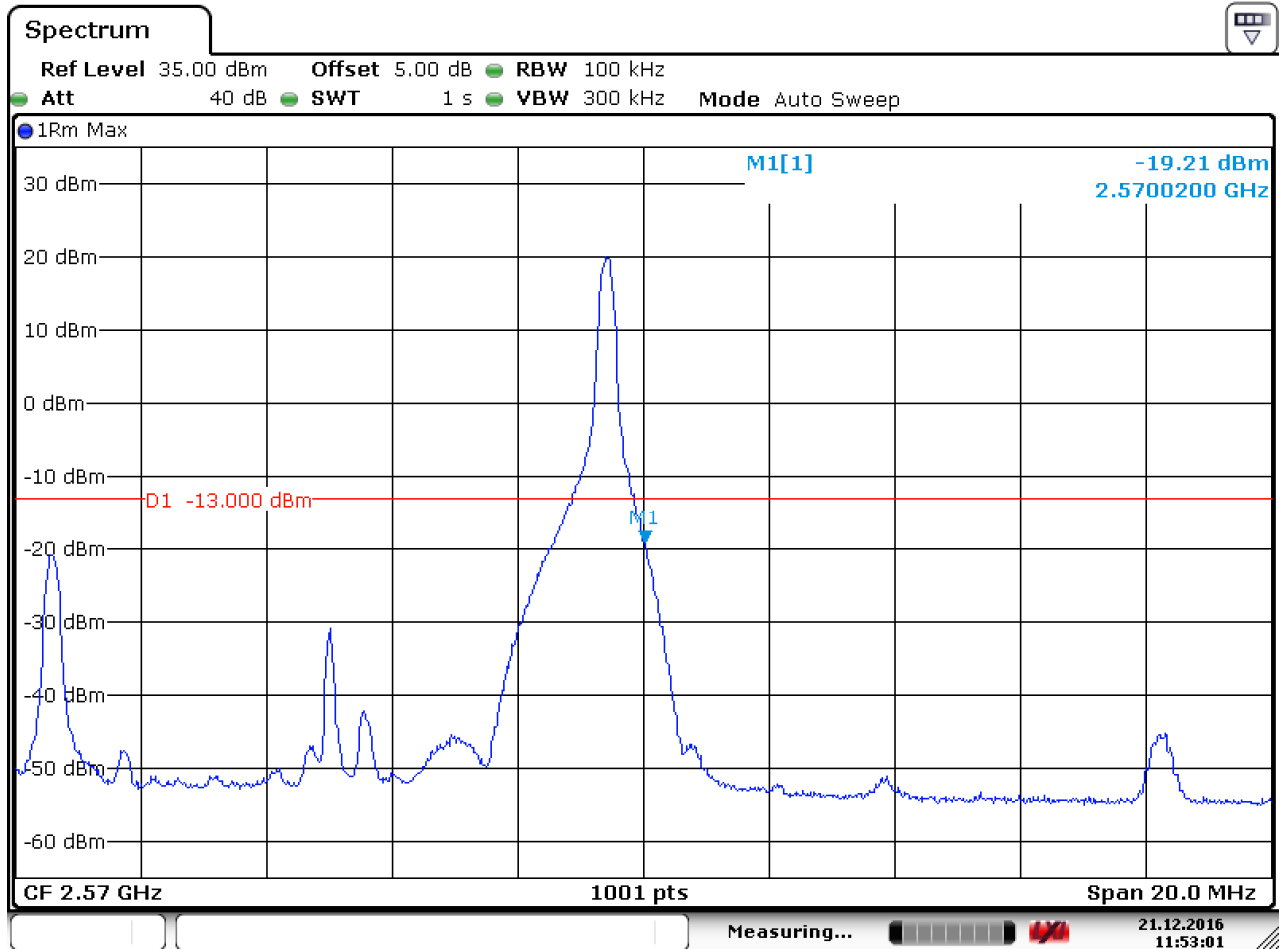
5.1.1.4.1.2 Test RB=50RB



Date: 21.DEC.2016 11:50:40

5.1.1.4.2 Test Channel = HCH

5.1.1.4.2.1 Test RB=1RB



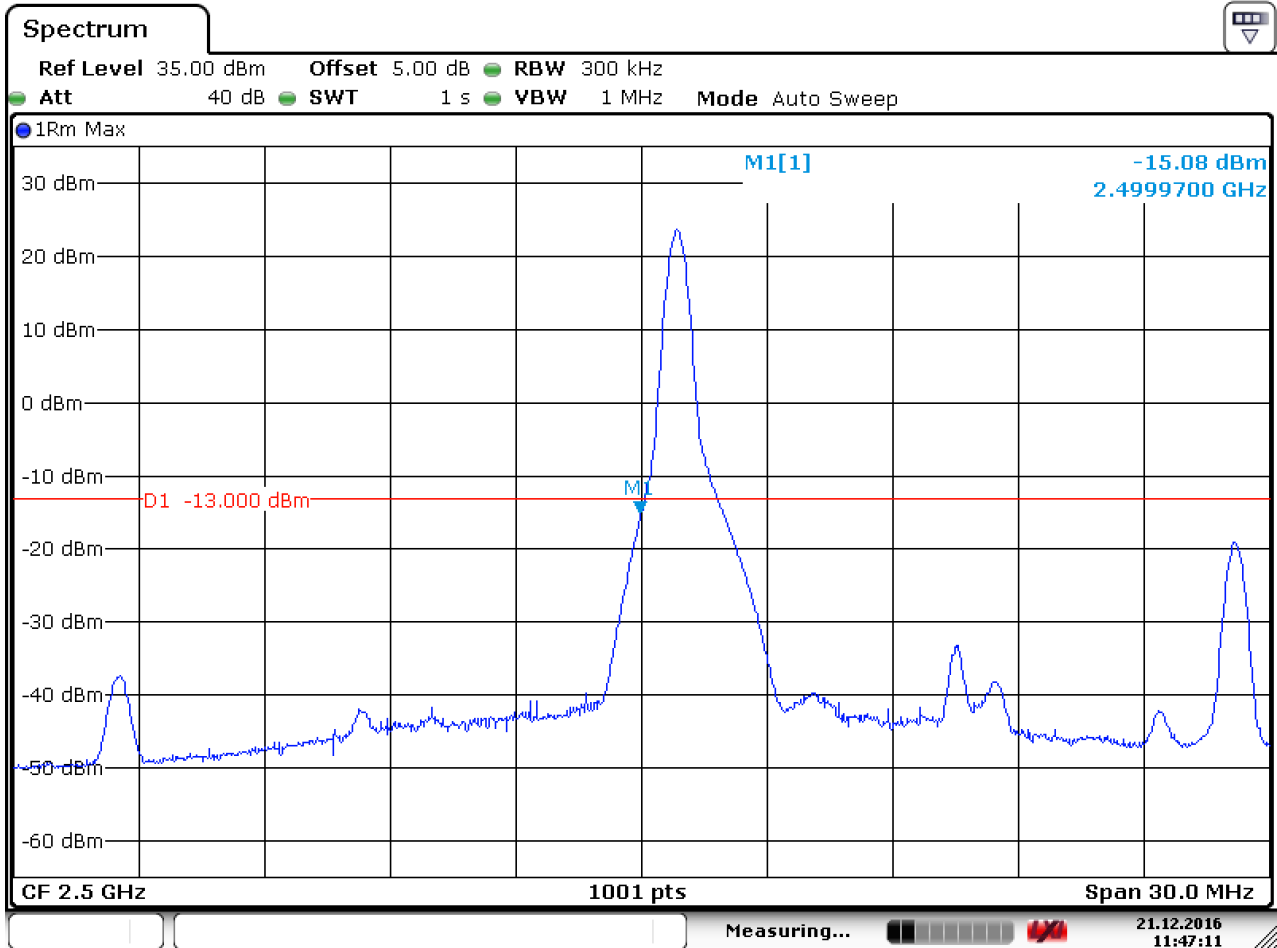
Date: 21.DEC.2016 11:53:02



5.1.1.5 Test Mode = LTE/TM1 15MHz

5.1.1.5.1 Test Channel = LCH

5.1.1.5.1.1 Test RB=1RB

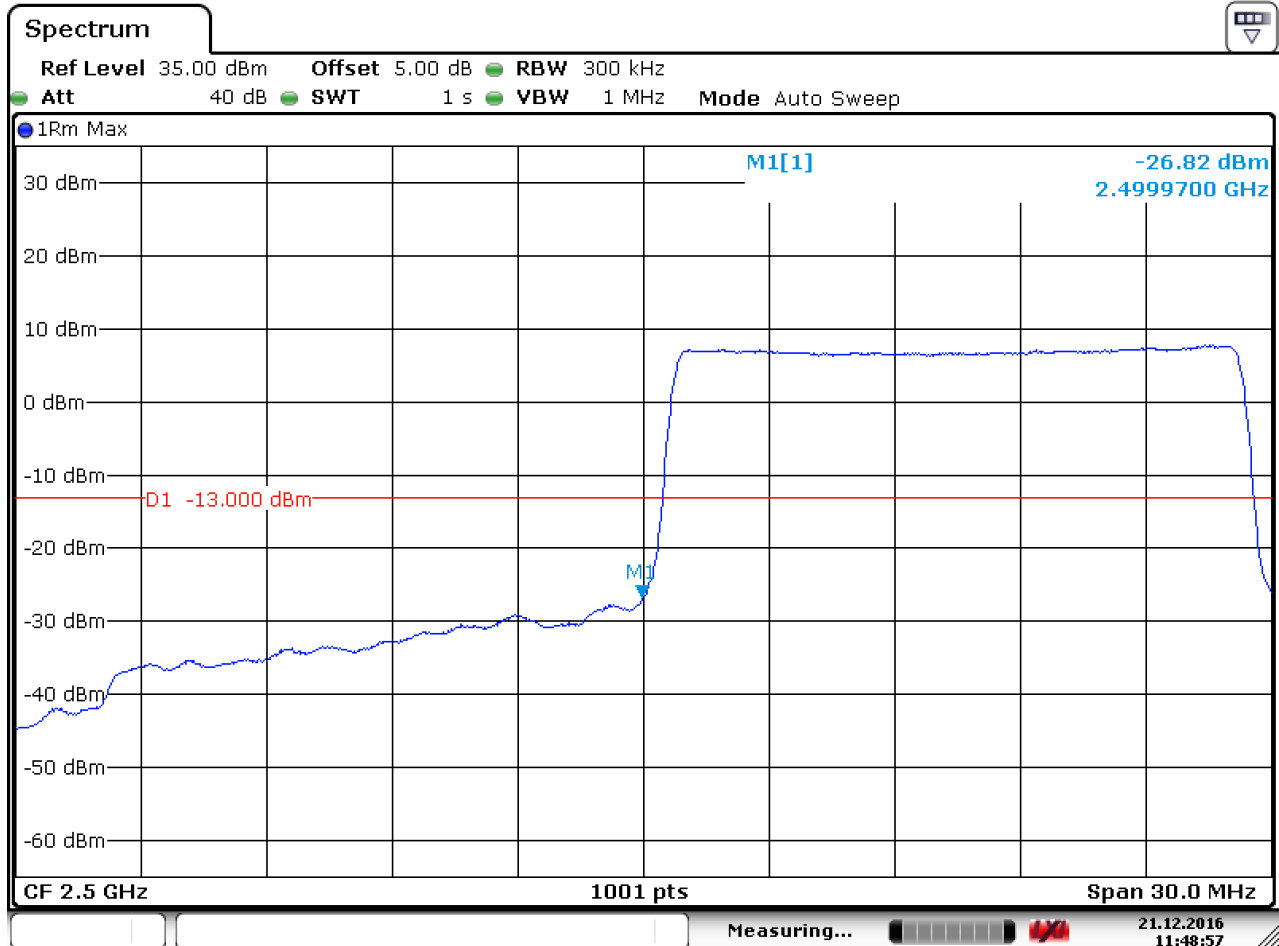


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5.1.1.5.1.2 Test RB=75RB

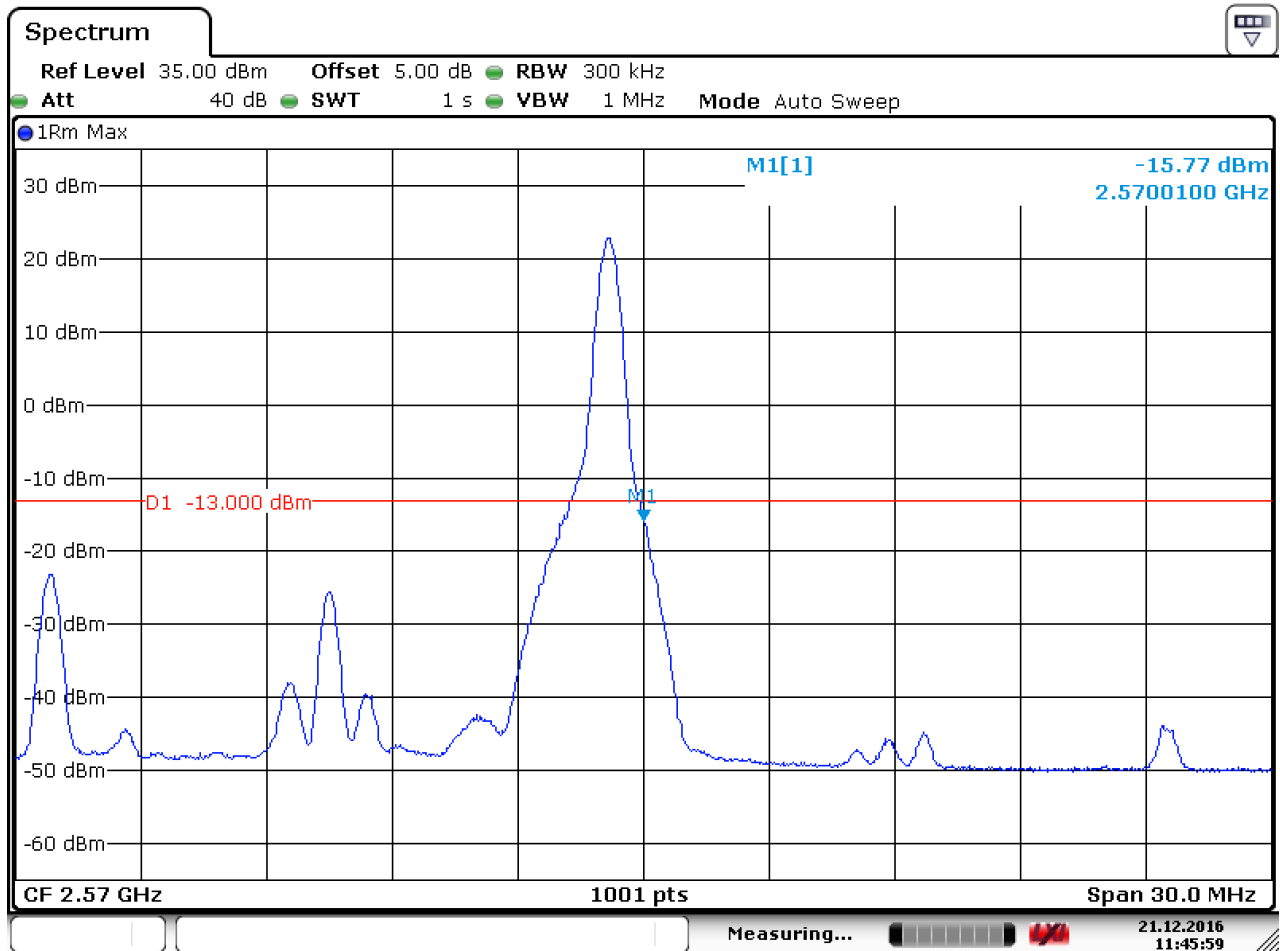


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5.1.1.5.2 Test Channel = HCH

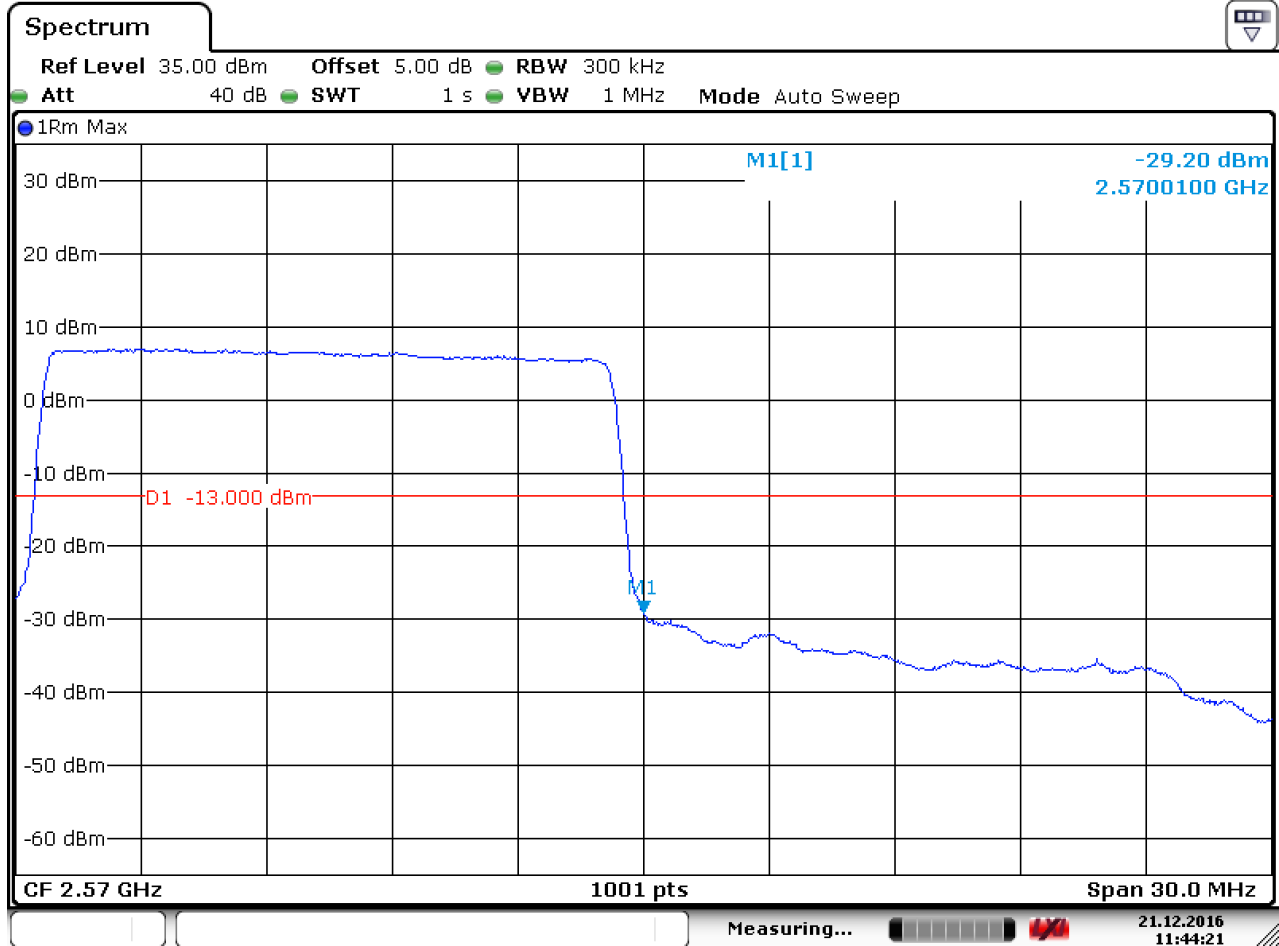
5.1.1.5.2.1 Test RB=1RB



Date: 21.DEC.2016 11:46:00



5.1.1.5.2.2 Test RB=75RB

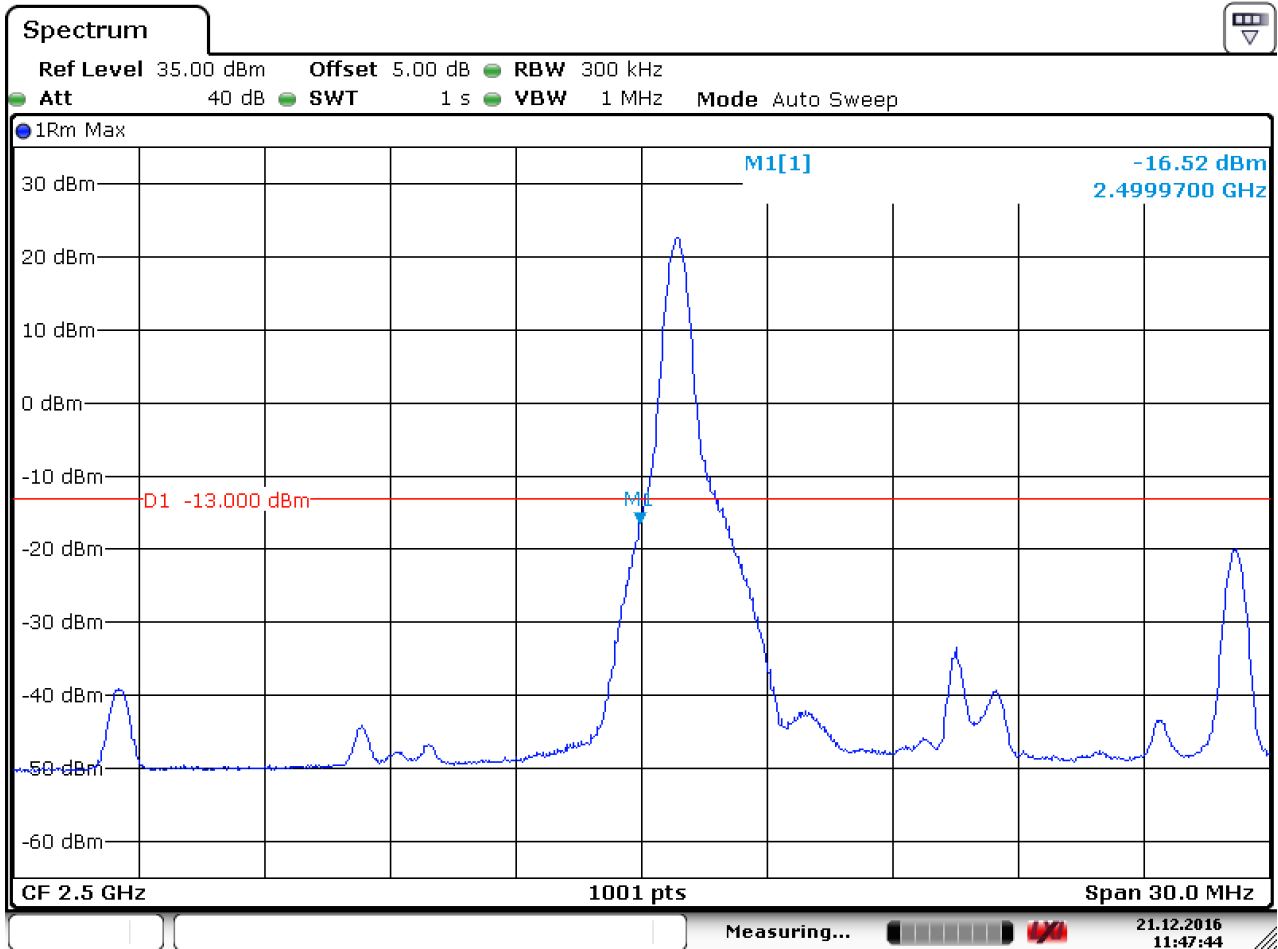


Date: 21.DEC.2016 11:44:22

5.1.1.6 Test Mode = LTE/TM2 15MHz

5.1.1.6.1 Test Channel = LCH

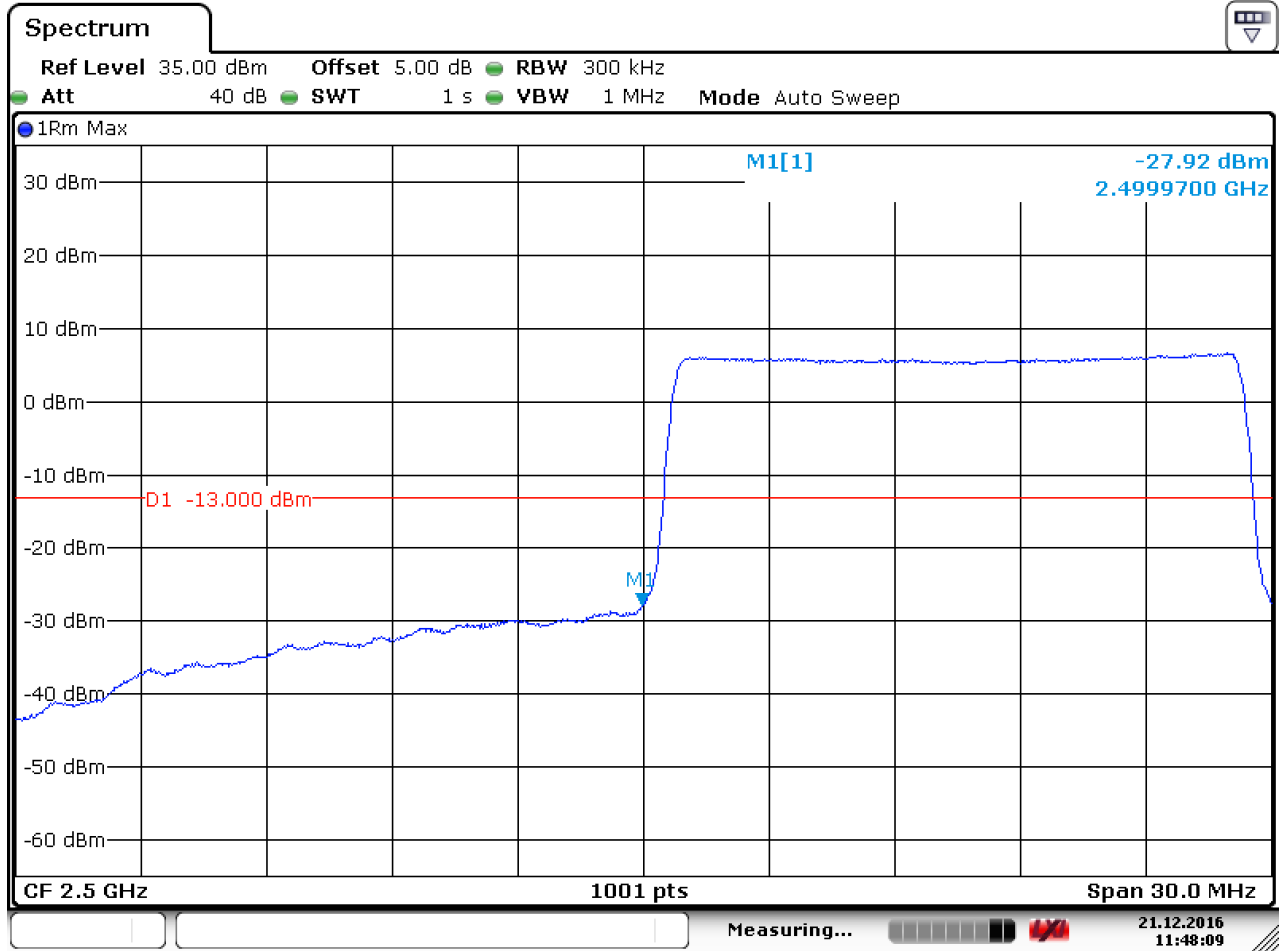
5.1.1.6.1.1 Test RB=1RB



Date: 21.DEC.2016 11:47:44



5.1.1.6.1.2 Test RB=75RB

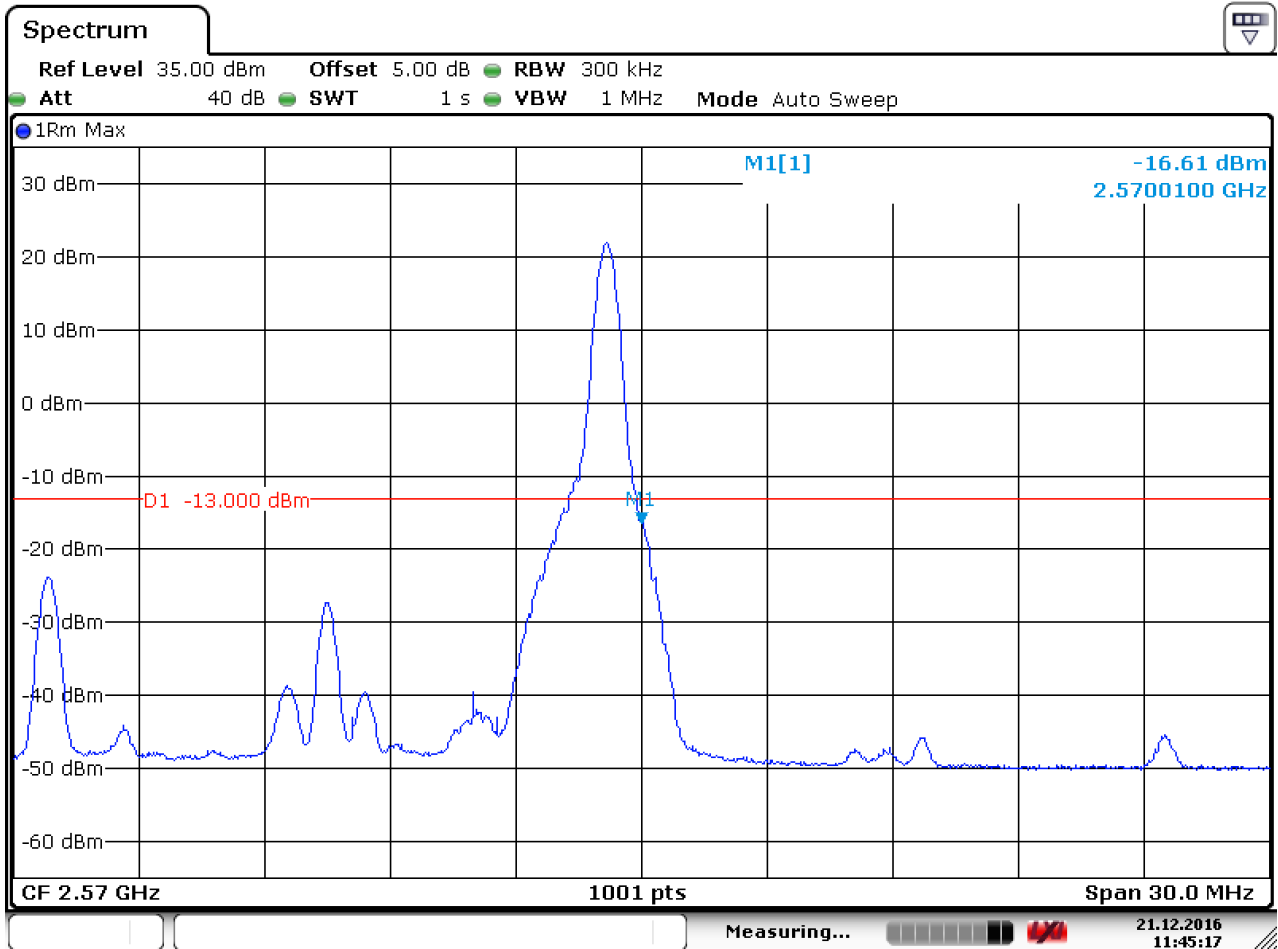


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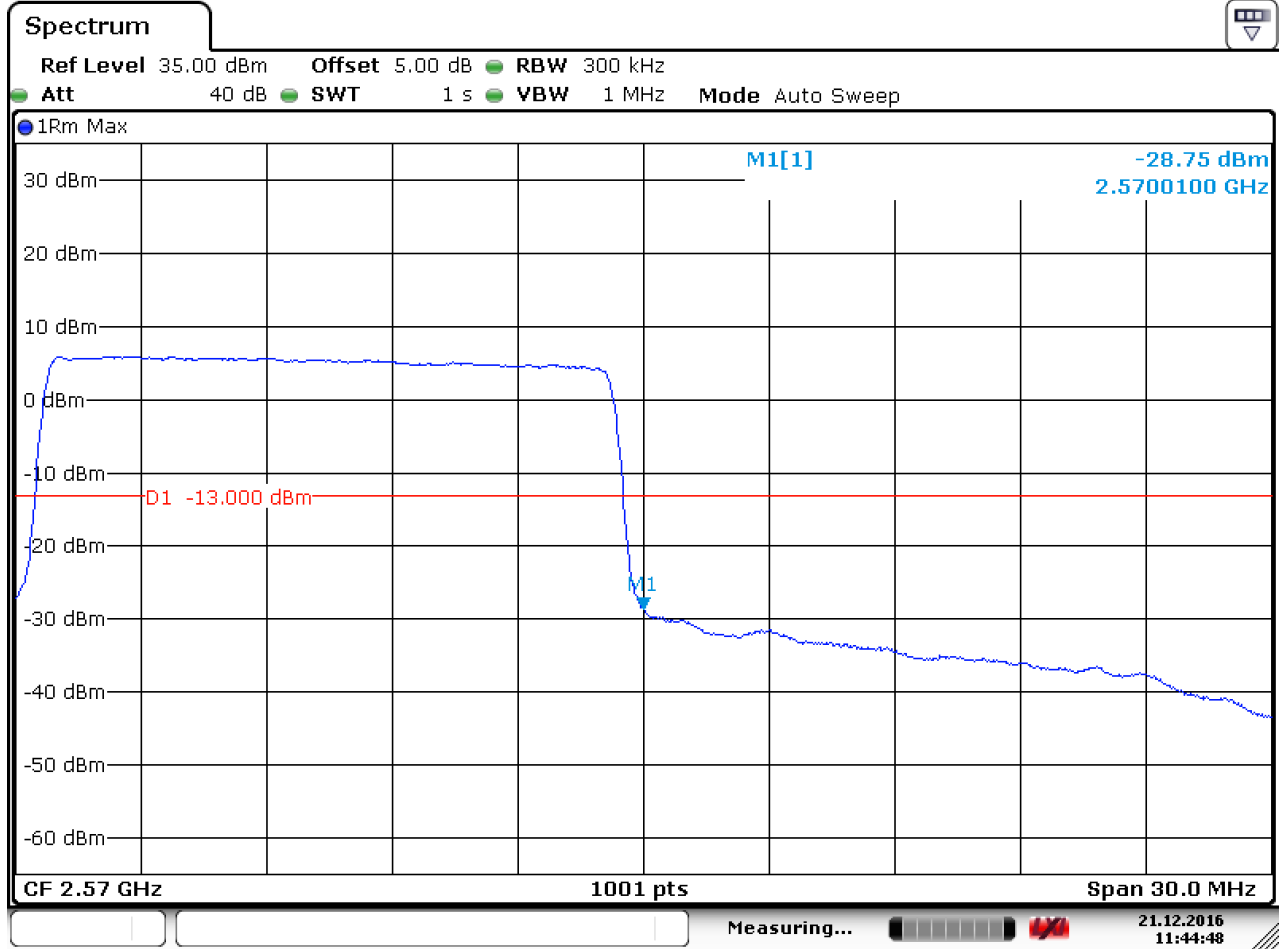
5.1.1.6.2 Test Channel = HCH

5.1.1.6.2.1 Test RB=1RB



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5.1.1.6.2.2 Test RB=75RB

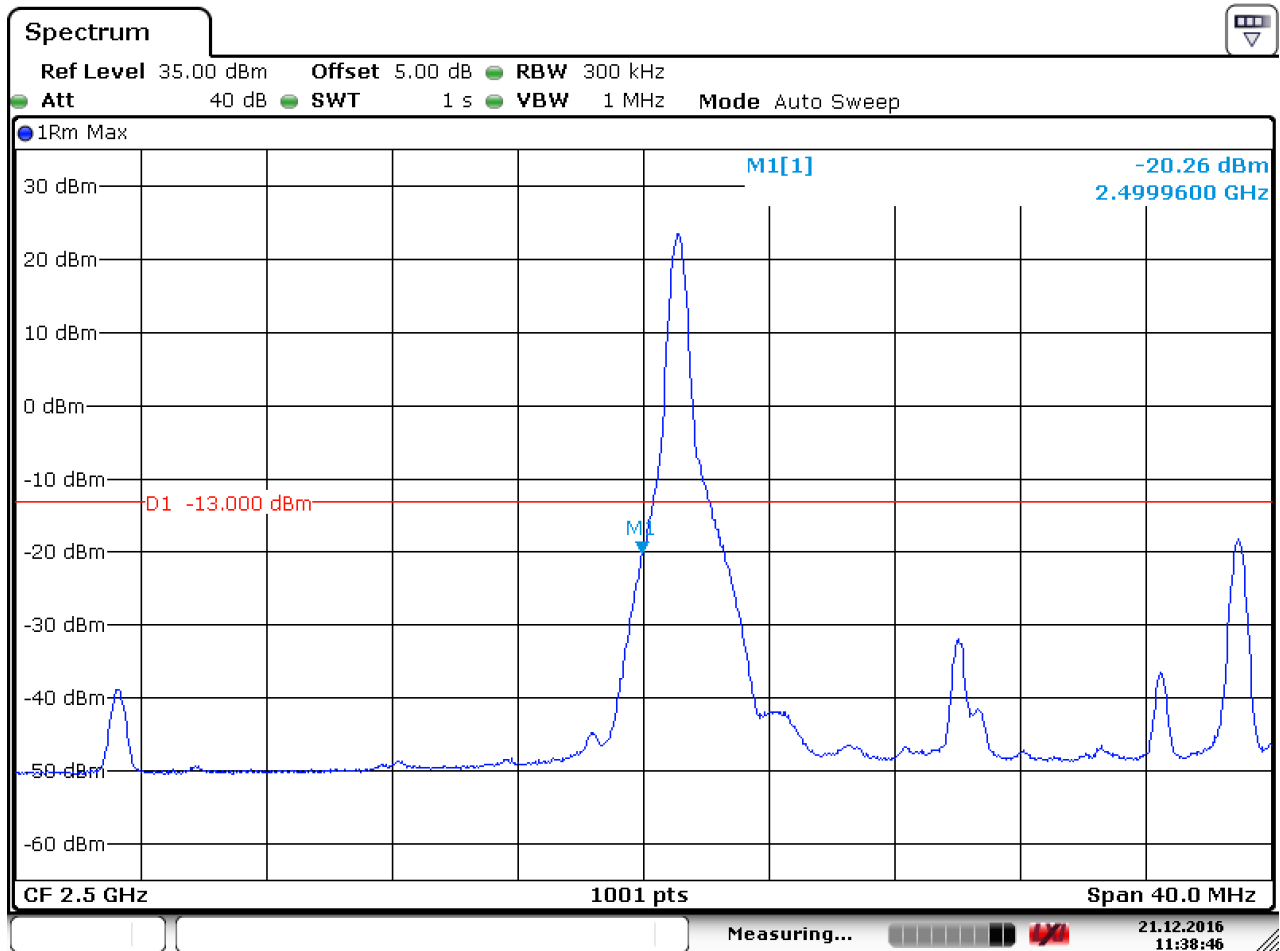


Date: 21.DEC.2016 11:44:49

5.1.1.7 Test Mode = LTE/TM1 20MHz

5.1.1.7.1 Test Channel = LCH

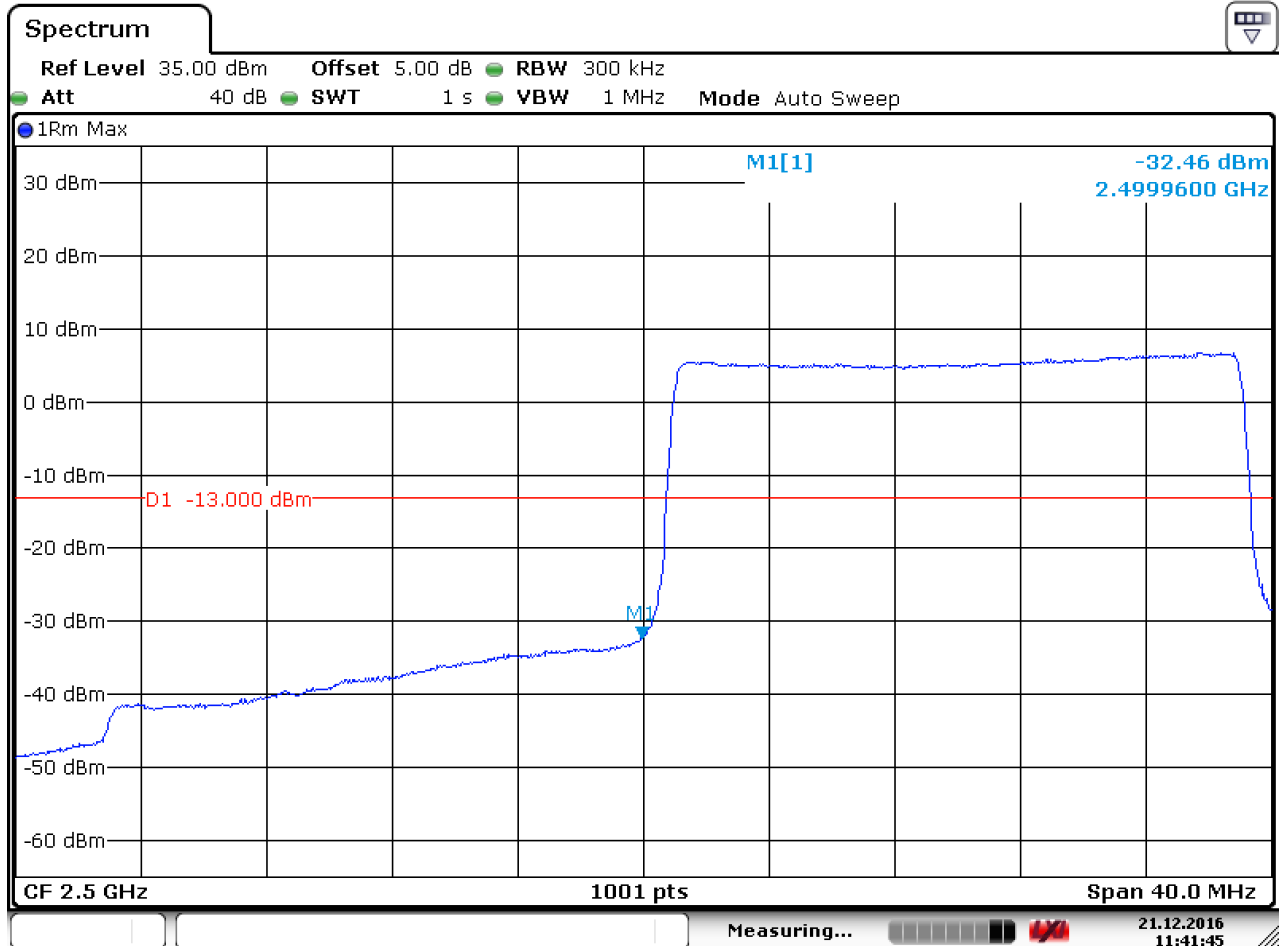
5.1.1.7.1.1 Test RB=1RB



Date: 21.DEC.2016 11:38:47



5.1.1.7.1.2 Test RB=100RB

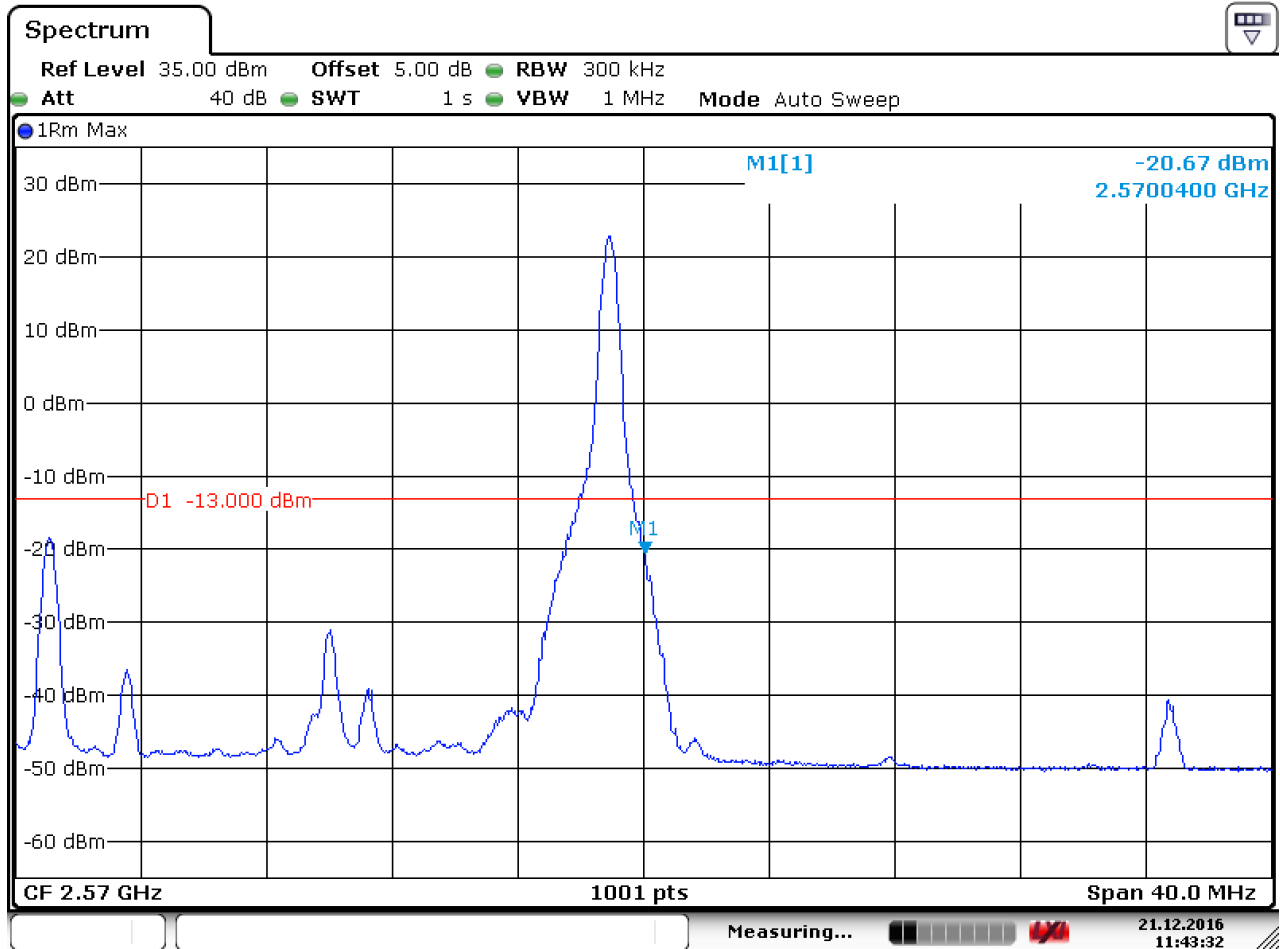


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5.1.1.7.2 Test Channel = HCH

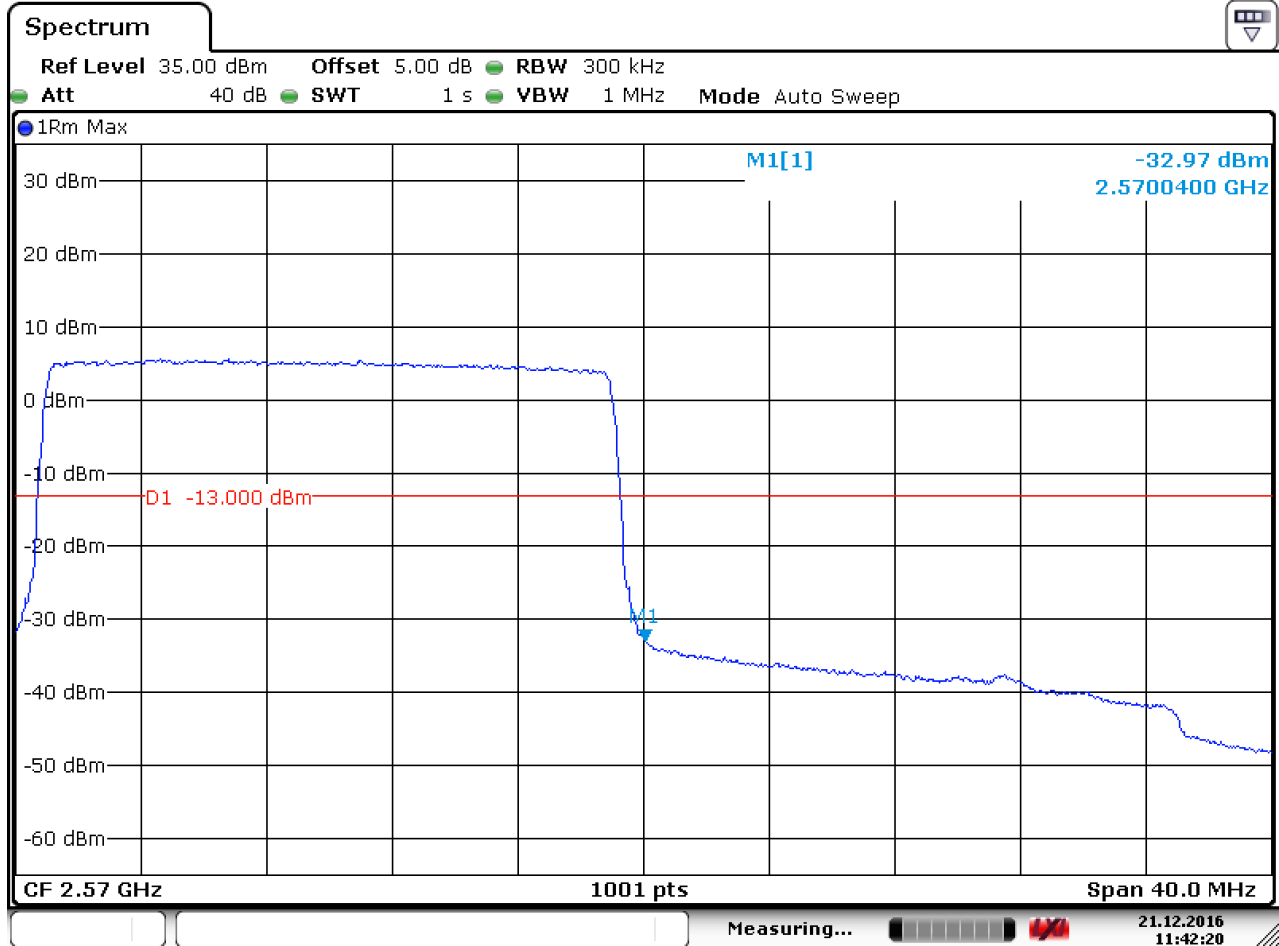
5.1.1.7.2.1 Test RB=1RB



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5.1.1.7.2.2 Test RB=100RB

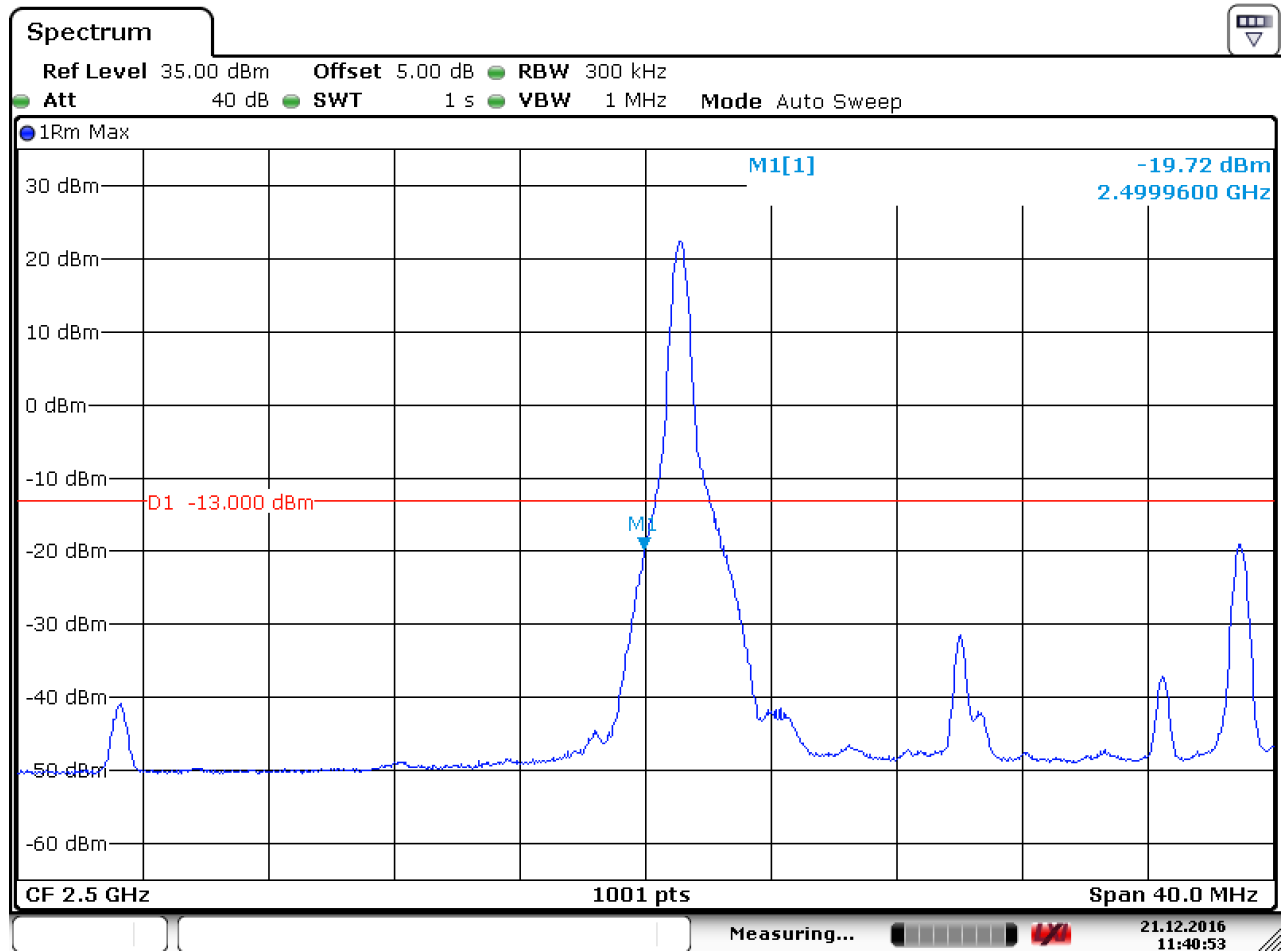


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5.1.1.8 Test Mode = LTE/TM2 20MHz
5.1.1.8.1 Test Channel = LCH

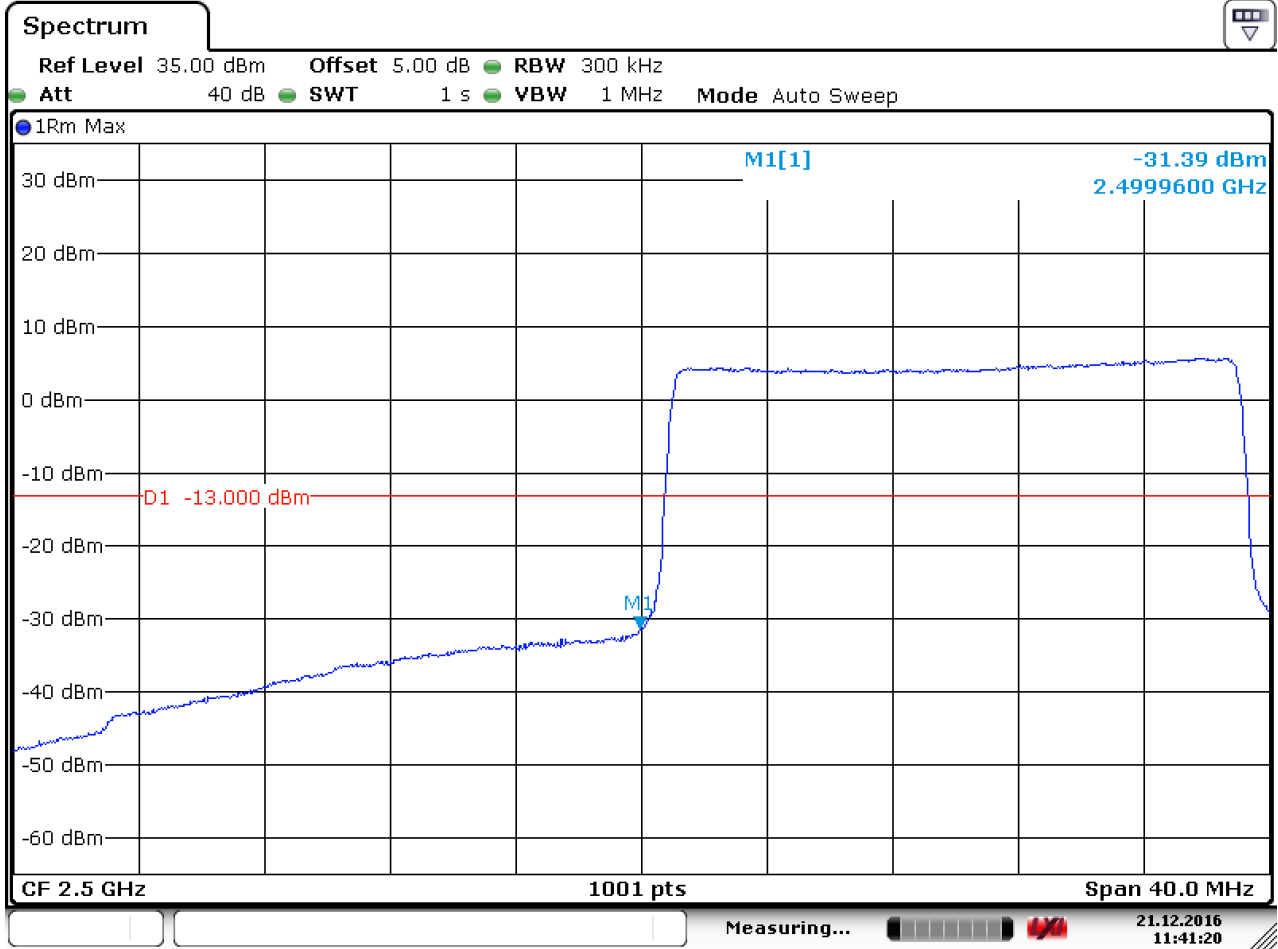
5.1.1.8.1.1 Test RB=1RB



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5.1.1.8.1.2 Test RB=100RB

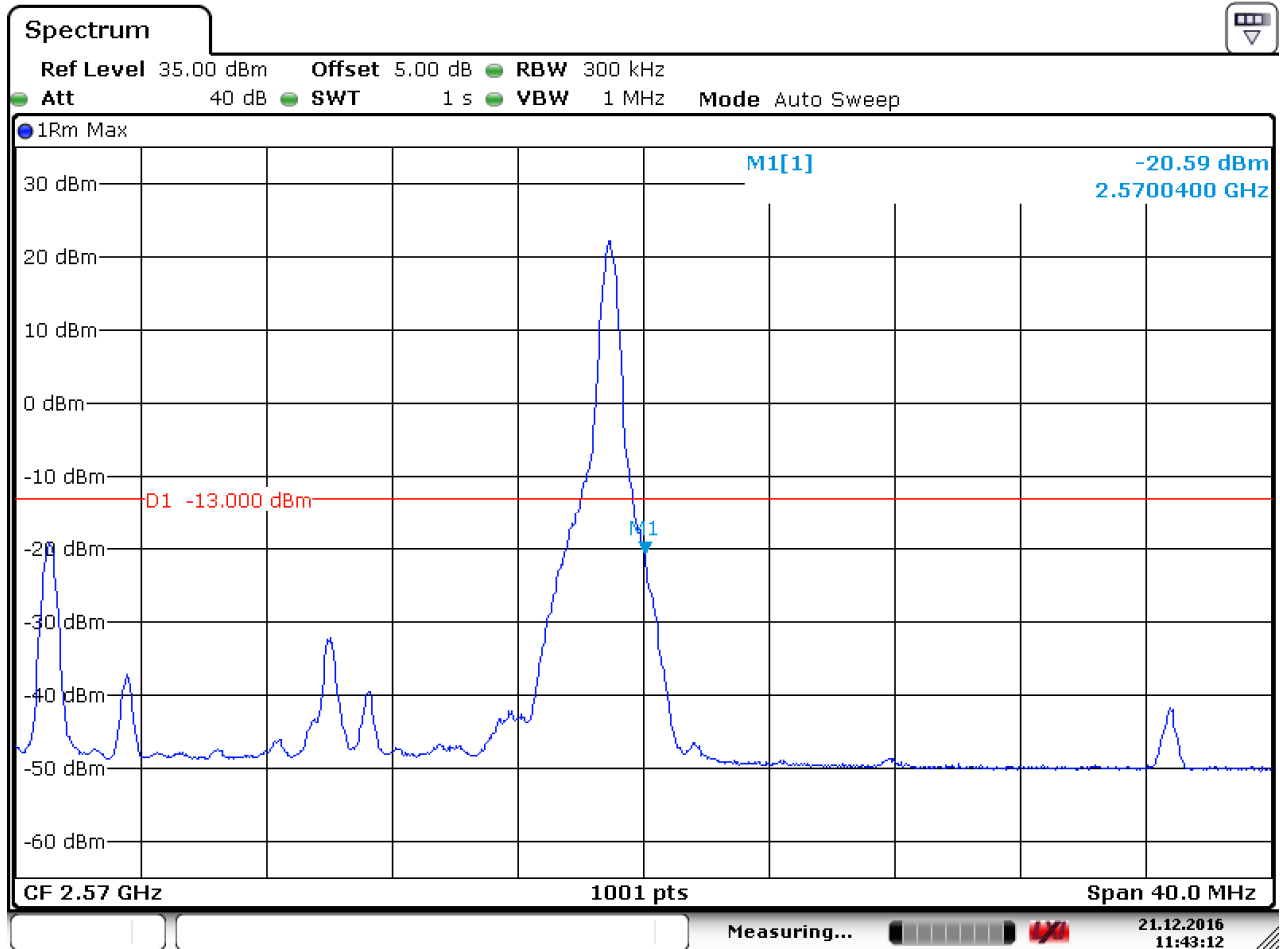


Date: 21.DEC.2016 11:41:20

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5.1.1.8.2 Test Channel = HCH

5.1.1.8.2.1 Test RB=1RB



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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.

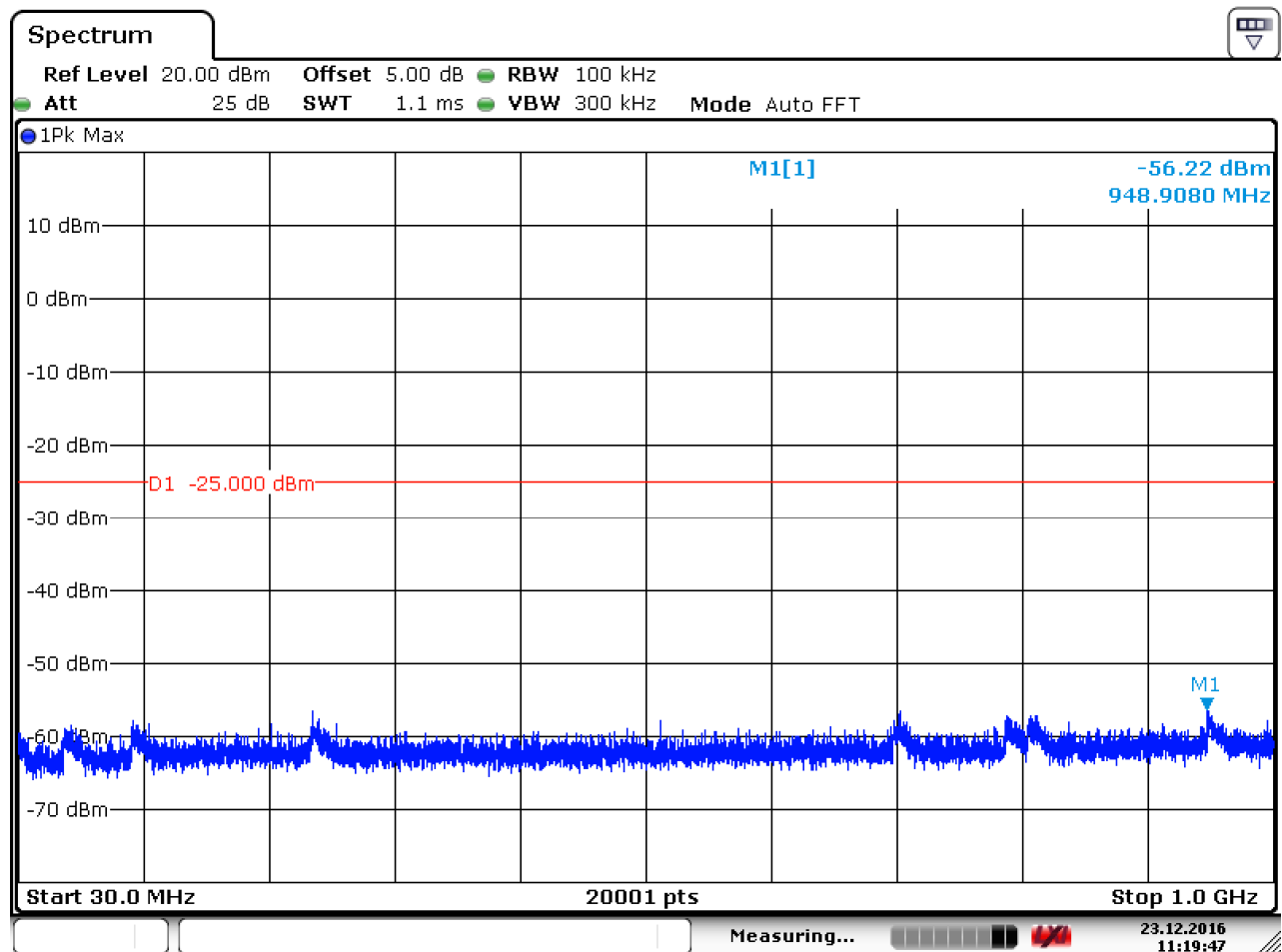
Part I - Test Plots

6.1 For LTE

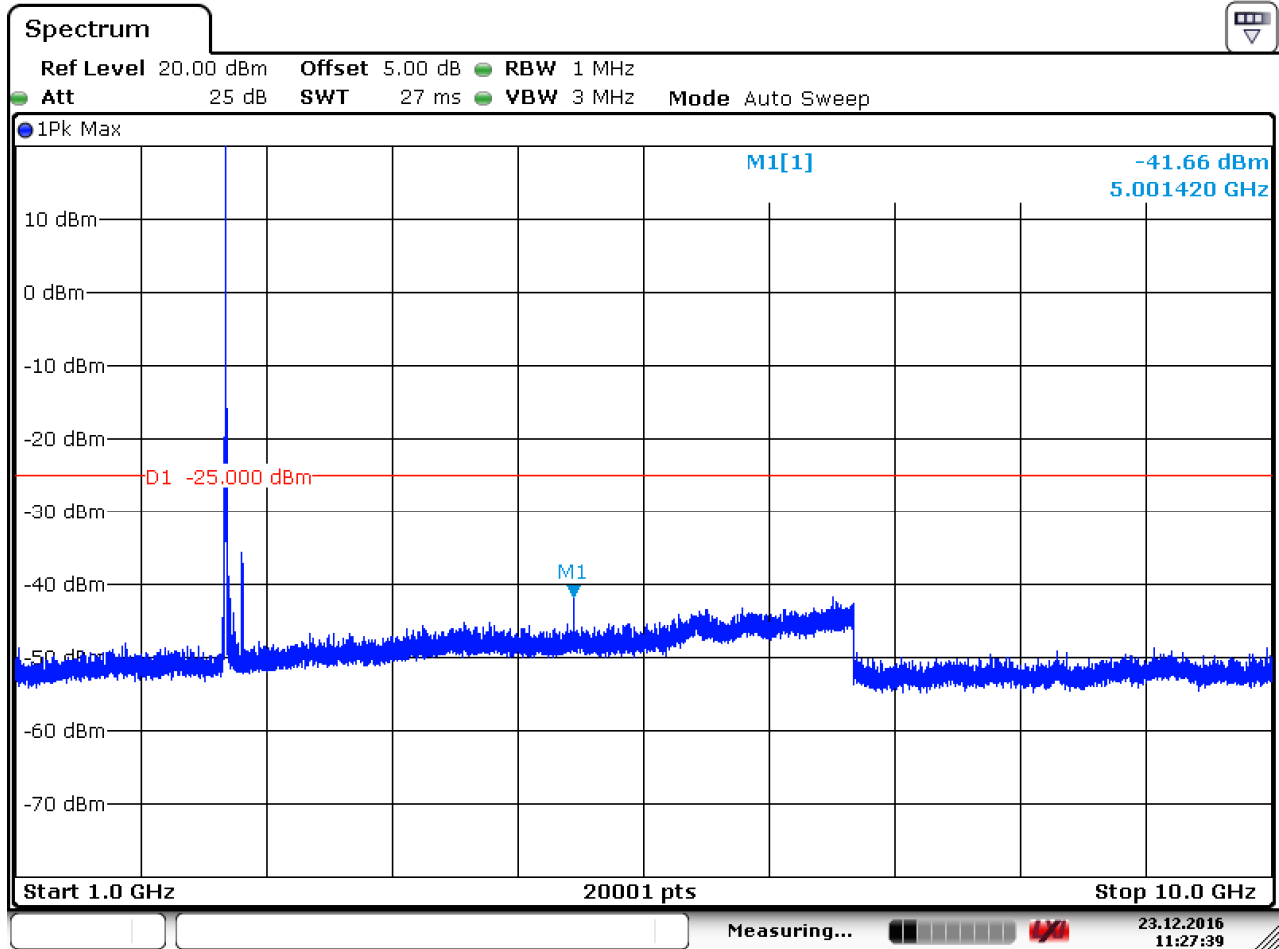
6.1.1 Test Band = LTE band7

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

6.1.1.1.1 Test Channel = LCH



Date: 23.DEC.2016 11:19:47



Date: 23.DEC.2016 11:27:39

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