



Appendix B

**CDMA BC0/BC1/BC10
EVDO BC0/BC1/BC10**

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1 Effective (Isotropic) Radiated Power Output Data

Part I - Test Results of CDMA

Test Band	Test Mode	Test Channel	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
CDMA BC1	CDMA /TM1	LCH	23.50	23.80	33.00	PASS
CDMA BC1	CDMA /TM1	MCH	23.41	23.71	33.00	PASS
CDMA BC1	CDMA /TM1	HCH	23.56	23.86	33.00	PASS

Test Band	Test Mode	Test Channel	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
CDMA BC0	CDMA /TM1	LCH	24.58	21.93	38.45	PASS
CDMA BC0	CDMA /TM1	MCH	24.52	21.87	38.45	PASS
CDMA BC0	CDMA /TM1	HCH	24.31	21.66	38.45	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	Limit [dBm]	Verdict
CDMA BC10	CDMA /TM1	LCH	24.46	50.00	PASS
CDMA BC10	CDMA /TM1	MCH	24.59	50.00	PASS
CDMA BC10	CDMA /TM1	HCH	24.36	50.00	PASS

Part II - Test Results of EVDO

Test Band	Test Mode	Test Channel	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
EVDO BC1	EVDO /TM1	LCH	23.61	23.91	33.00	PASS
EVDO BC1	EVDO /TM1	MCH	23.45	23.75	33.00	PASS
EVDO BC1	EVDO /TM1	HCH	23.78	24.08	33.00	PASS

Test Band	Test Mode	Test Channel	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
EVDO BC0	EVDO /TM1	LCH	24.41	21.76	38.45	PASS
EVDO BC0	EVDO /TM1	MCH	24.57	21.92	38.45	PASS
EVDO BC0	EVDO /TM1	HCH	24.19	21.54	38.45	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	Limit [dBm]	Verdict
EVDO BC10	EVDO /TM1	LCH	23.52	50.00	PASS
EVDO BC10	EVDO /TM1	MCH	24.58	50.00	PASS
EVDO BC10	EVDO /TM1	HCH	24.35	50.00	PASS

Note:

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

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

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

b: SGP=Signal Generator Level

2 Peak-to-Average Ratio

Part I - Test Results of CDMA

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
BC0	CDMA /TM1	LCH	3.88	13.00	PASS
BC0	CDMA /TM1	MCH	3.48	13.00	PASS
BC0	CDMA /TM1	HCH	3.51	13.00	PASS
BC1	CDMA /TM1	LCH	2.96	13.00	PASS
BC1	CDMA /TM1	MCH	3.22	13.00	PASS
BC1	CDMA /TM1	HCH	2.70	13.00	PASS
BC10	CDMA/TM1	LCH	3.07	13.00	PASS
BC10	CDMA/TM1	MCH	3.19	13.00	PASS
BC10	CDMA/TM1	HCH	3.71	13.00	PASS
BC0	EVDO /TM1	LCH	5.42	13.00	PASS
BC0	EVDO /TM1	MCH	4.81	13.00	PASS
BC0	EVDO /TM1	HCH	5.07	13.00	PASS
BC1	EVDO /TM1	LCH	4.09	13.00	PASS
BC1	EVDO /TM1	MCH	4.03	13.00	PASS
BC1	EVDO /TM1	HCH	3.25	13.00	PASS
BC10	EVDO /TM1	LCH	4.52	13.00	PASS
BC10	EVDO /TM1	MCH	4.29	13.00	PASS
BC10	EVDO /TM1	HCH	4.67	13.00	PASS

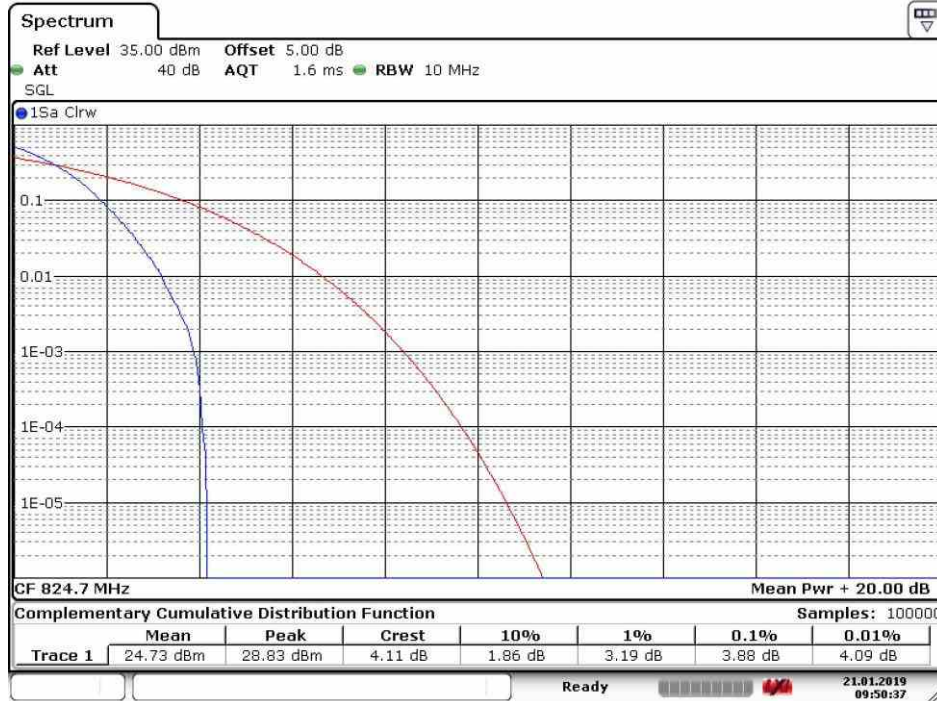
Part II - Test Plots

2.1 For CDMA

2.1.1 Test Band = CDMA BC0

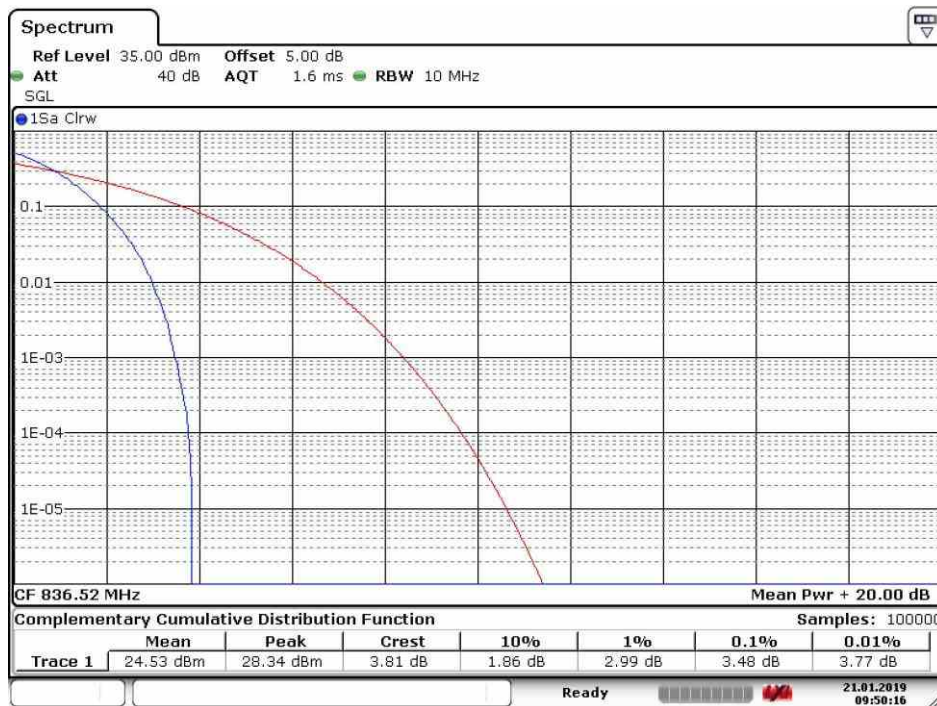
2.1.1.1 Test Mode = CDMA /TM1

2.1.1.1.1 Test Channel = LCH



Date: 21.JAN.2019 09:50:38

2.1.1.1.2 Test Channel = MCH



Date: 21.JAN.2019 09:50:17

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2.1.1.1.3 Test Channel = HCH

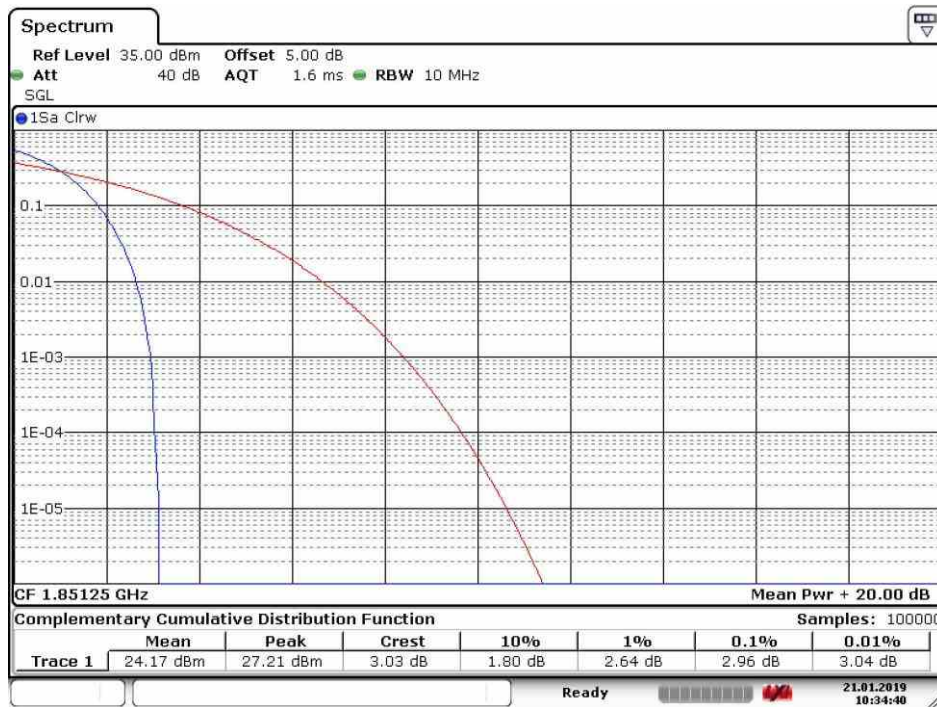


Date: 21.JAN.2019 09:49:56

2.1.2 Test Band = CDMA BC1

2.1.2.1 Test Mode = CDMA /TM1

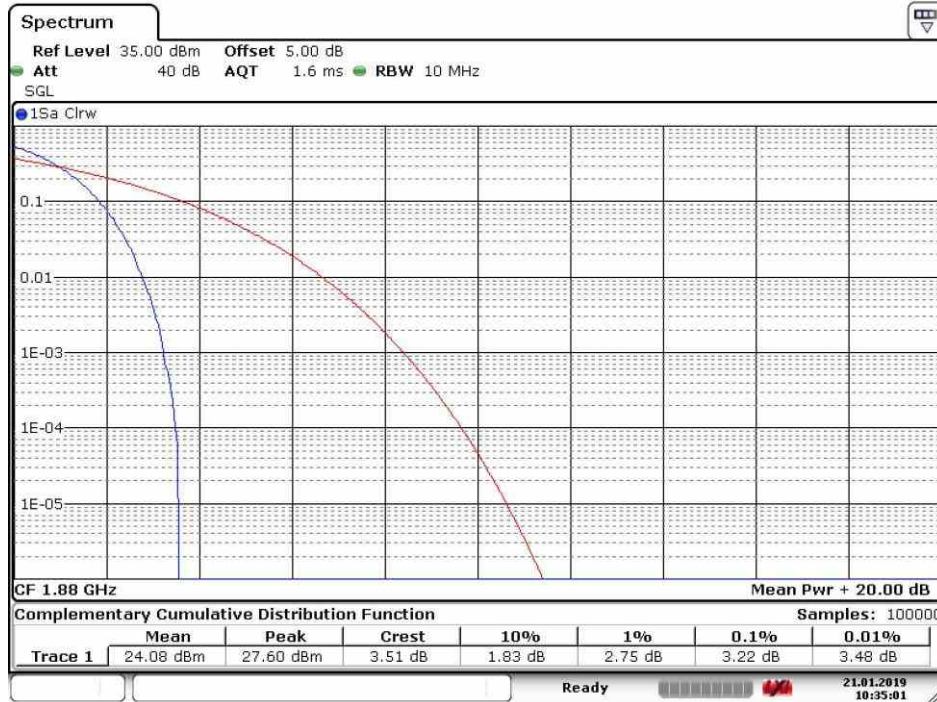
2.1.2.1.1 Test Channel = LCH



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2.1.2.1.2 Test Channel = MCH



Date: 21.JAN.2019 10:35:01

2.1.2.1.3 Test Channel = HCH



Date: 21.JAN.2019 10:35:27

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2.1.3 Test Band = CDMA BC10

2.1.3.1 Test Mode = CDMA /TM1

2.1.3.1.1 Test Channel = LCH



Date: 21.JAN.2019 10:53:48

2.1.3.1.2 Test Channel = MCH



Date: 21.JAN.2019 10:54:18

2.1.3.1.3 Test Channel = HCH



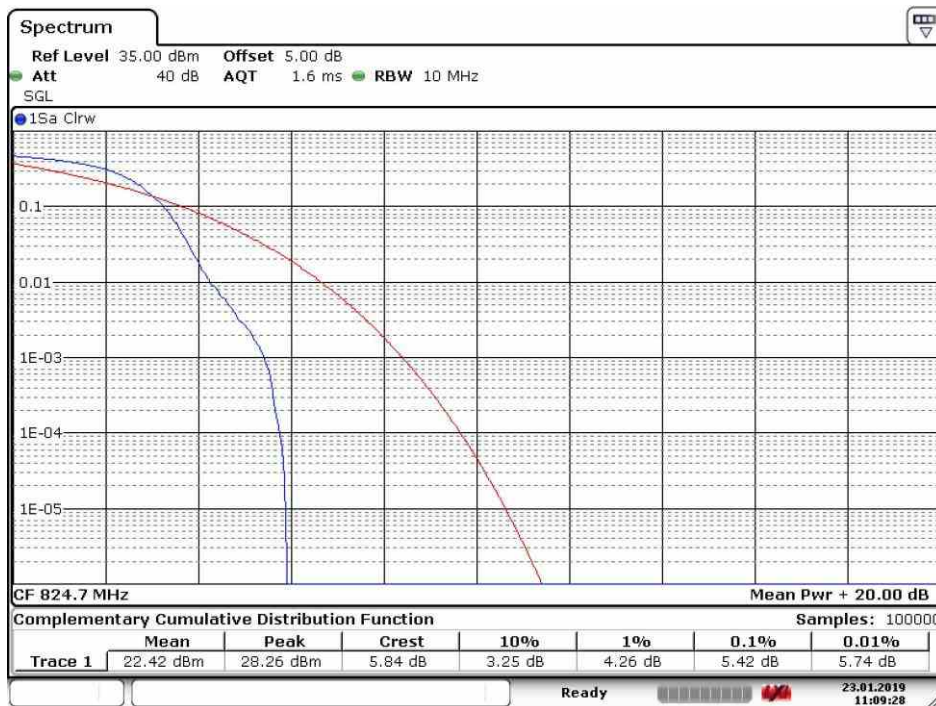
Date: 21.JAN.2019 10:54:43

2.1 For EVDO

2.1.1 Test Band = EVDO BC0

2.1.1.1 Test Mode = EVDO /TM1

2.1.1.1.1 Test Channel = LCH



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2.1.1.1.2 Test Channel = MCH



Date: 23.JAN.2019 11:08:17

2.1.1.1.3 Test Channel = HCH



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2.1.2 Test Band = EVDO BC1

2.1.2.1 Test Mode = EVDO /TM1

2.1.2.1.1 Test Channel = LCH



Date: 23.JAN.2019 11:56:02

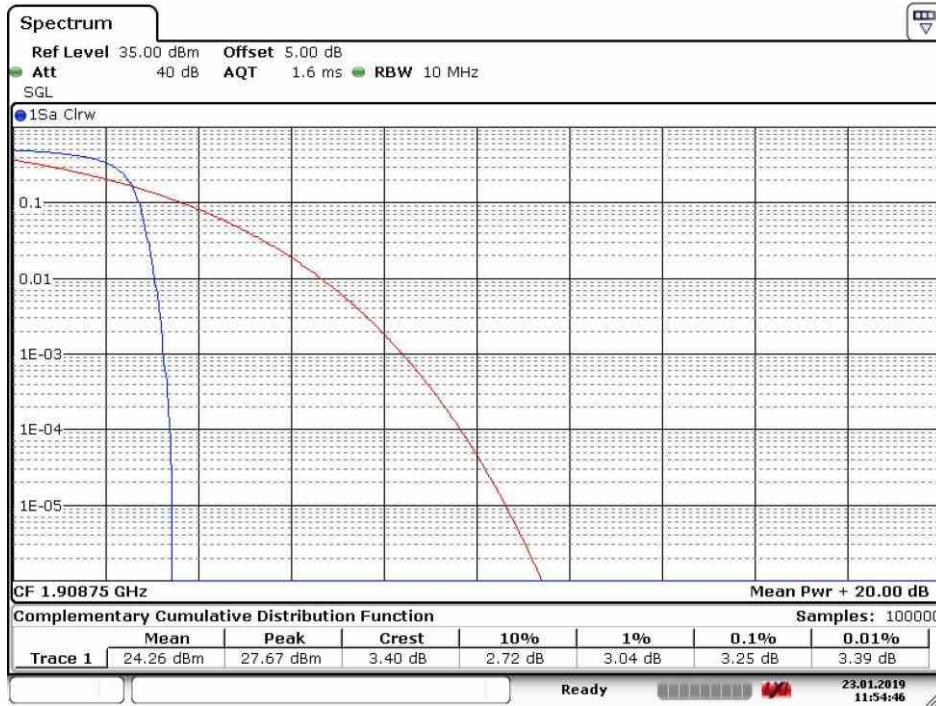
2.1.2.1.2 Test Channel = MCH



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2.1.2.1.3 Test Channel = HCH



Date: 23.JAN.2019 11:54:47

2.1.3 Test Band = EVDO BC10

2.1.3.1 Test Mode = EVDO /TM1

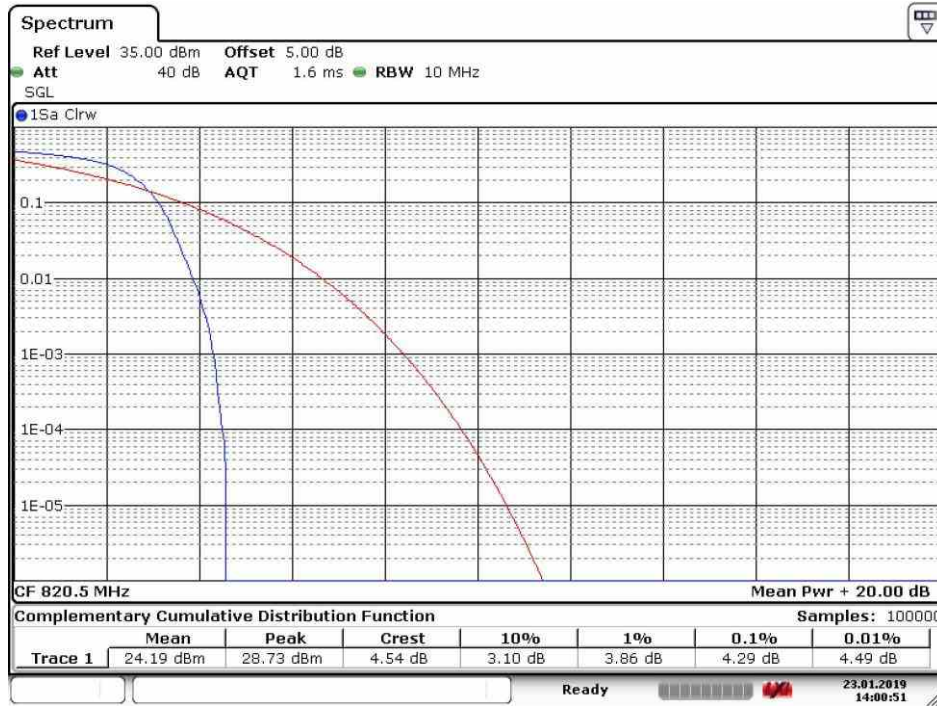
2.1.3.1.1 Test Channel = LCH



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2.1.3.1.2 Test Channel = MCH



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2.1.3.1.3 Test Channel = HCH



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3 Modulation Characteristics

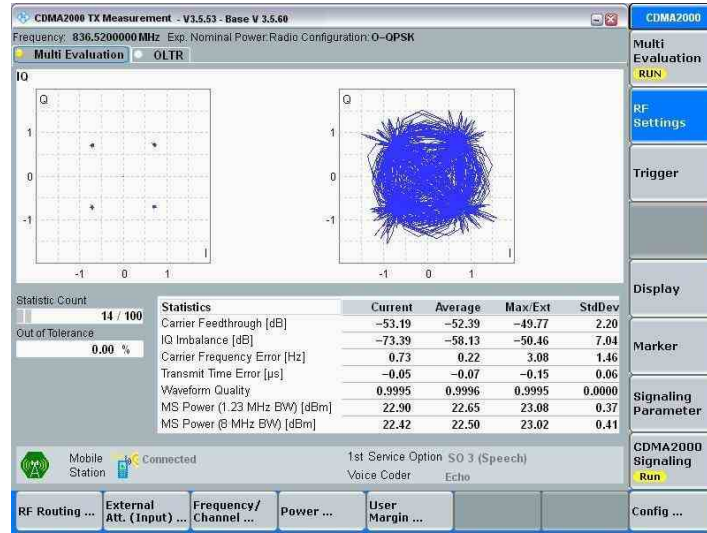
Part I - Test Plots

3.1 For CDMA

3.1.1 Test Band = CDMA BC0

3.1.1.1 Test Mode = CDMA /TM1

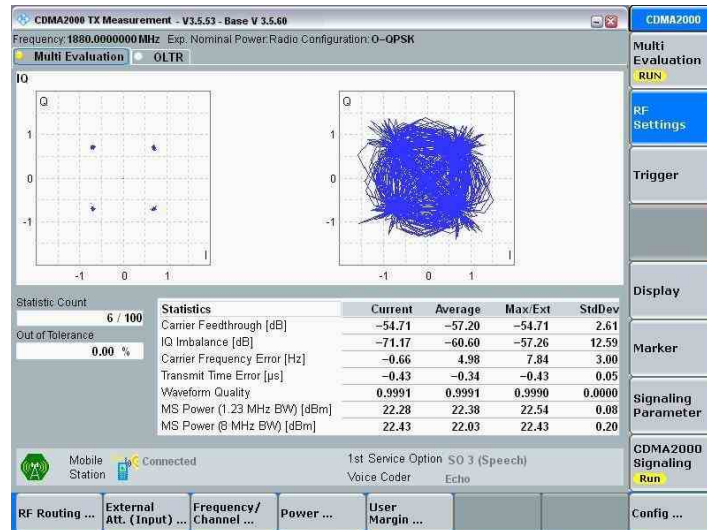
3.1.1.1.1 Test Channel = MCH



3.1.2 Test Band = CDMA BC1

3.1.2.1 Test Mode = CDMA /TM1

3.1.2.1.1 Test Channel = MCH

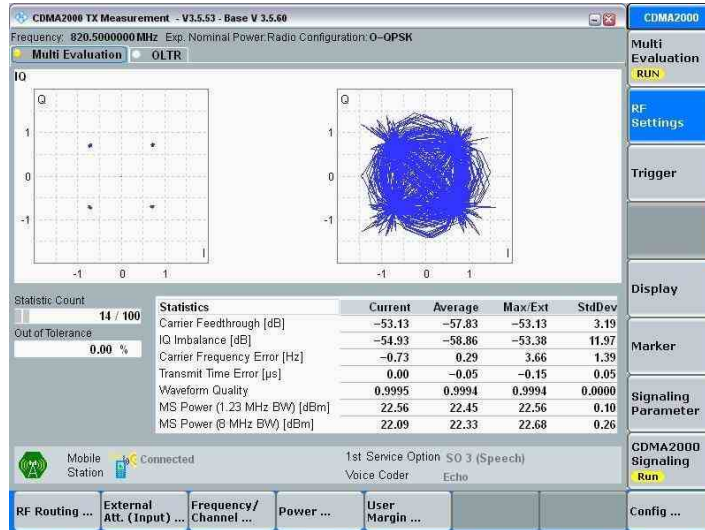


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3.1.3 Test Band = CDMA BC10

3.1.3.1 Test Mode = CDMA /TM1

3.1.3.1.1 Test Channel = MCH

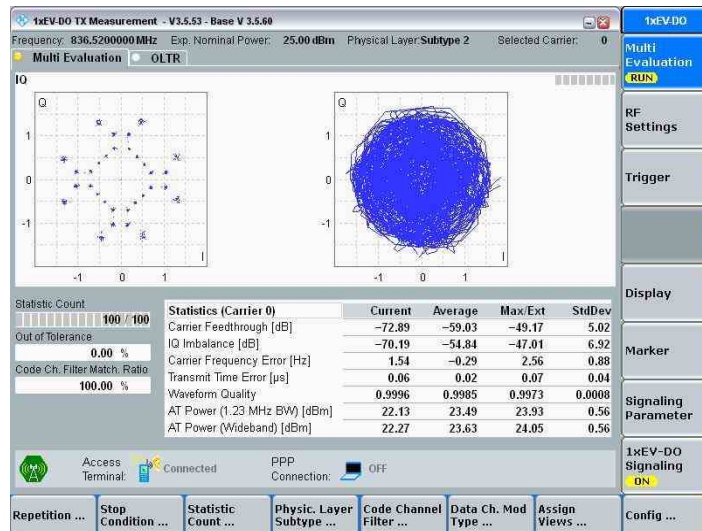


3.2 For EVDO

3.2.1 Test Band = EVDO BC0

3.2.1.1 Test Mode = EVDO /TM1

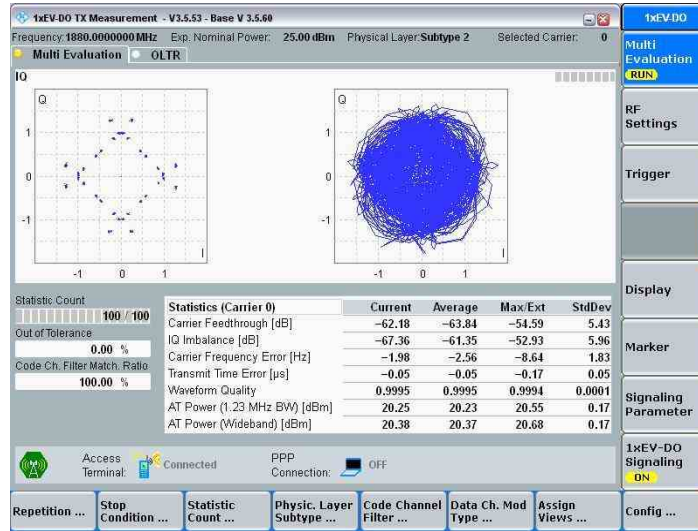
3.2.1.1.1 Test Channel = MCH



3.2.2 Test Band = EVDO BC1

3.2.2.1 Test Mode = EVDO /TM1

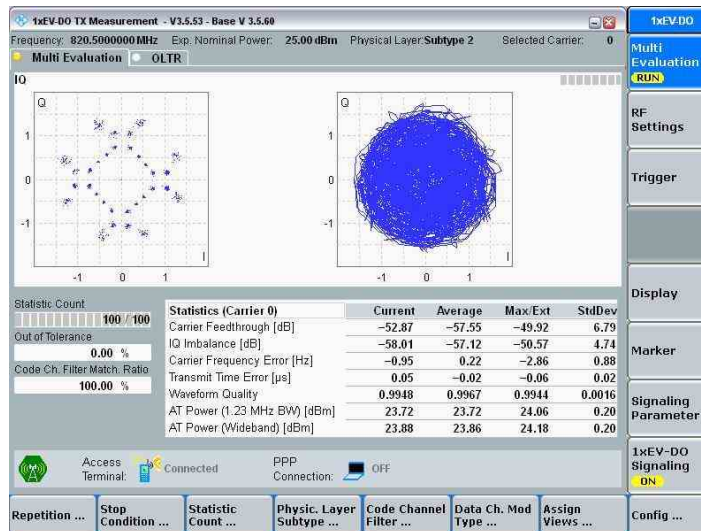
3.2.2.1.1 Test Channel = MCH



3.2.3 Test Band = EVDO BC10

3.2.3.1 Test Mode = EVDO /TM1

3.2.3.1.1 Test Channel = MCH



4 Bandwidth

Part I - Test Results of CDMA

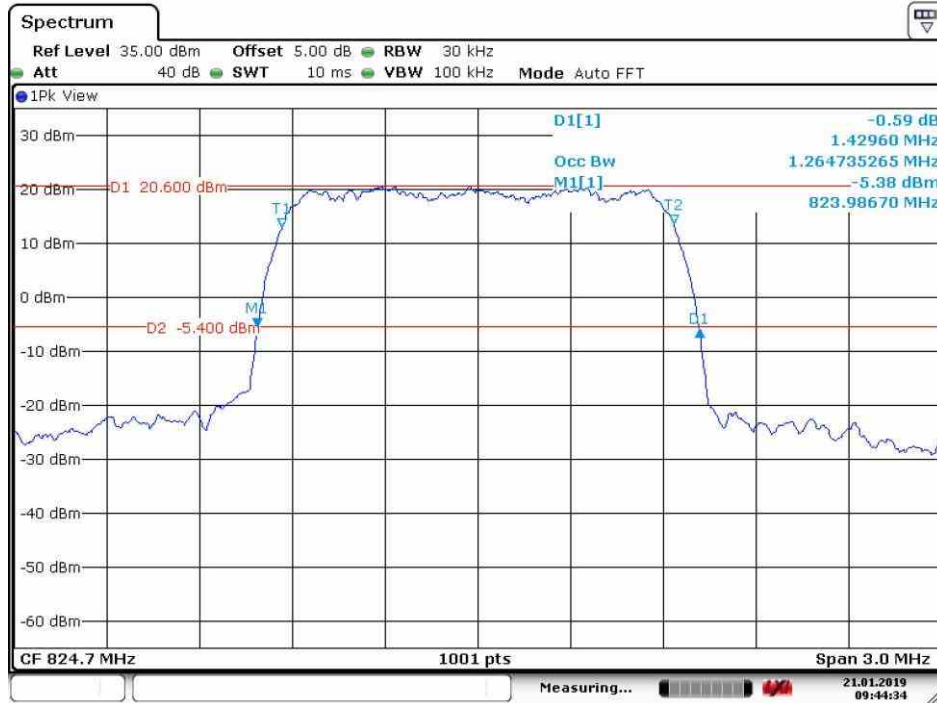
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
CDMA BC0	CDMA/TM1	LCH	1.26	1.43	PASS
CDMA BC0	CDMA/TM1	MCH	1.27	1.43	PASS
CDMA BC0	CDMA/TM1	HCH	1.27	1.43	PASS
CDMA BC1	CDMA/TM1	LCH	1.27	1.43	PASS
CDMA BC1	CDMA/TM1	MCH	1.27	1.43	PASS
CDMA BC1	CDMA/TM1	HCH	1.27	1.44	PASS
CDMA BC10	CDMA/TM1	LCH	1.27	1.43	PASS
CDMA BC10	CDMA/TM1	MCH	1.27	1.44	PASS
CDMA BC10	CDMA/TM1	HCH	1.27	1.43	PASS
EVDO BC0	EVDO /TM1	LCH	1.26	1.43	PASS
EVDO BC0	EVDO /TM1	MCH	1.26	1.42	PASS
EVDO BC0	EVDO /TM1	HCH	1.26	1.42	PASS
EVDO BC1	EVDO /TM1	LCH	1.27	1.44	PASS
EVDO BC1	EVDO /TM1	MCH	1.27	1.44	PASS
EVDO BC1	EVDO /TM1	HCH	1.29	1.92	PASS
EVDO BC10	EVDO /TM1	LCH	1.27	1.43	PASS
EVDO BC10	EVDO /TM1	MCH	1.27	1.43	PASS
EVDO BC10	EVDO /TM1	HCH	1.27	1.43	PASS

4.1 For CDMA

4.1.1 Test Band = CDMA BC0

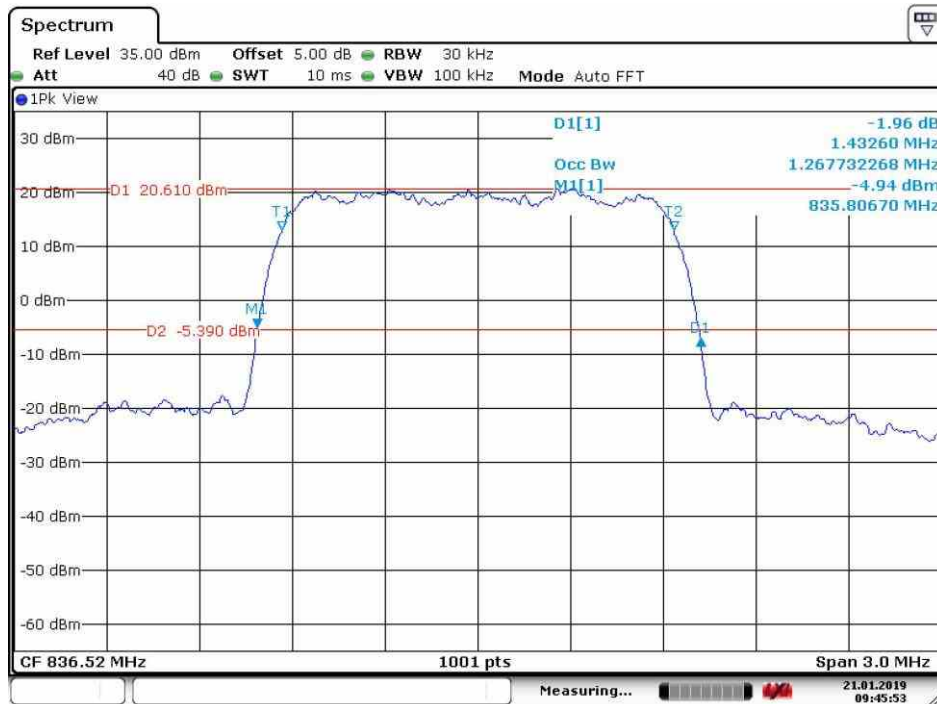
4.1.1.1 Test Mode = CDMA /TM1

4.1.1.1.1 Test Channel = LCH



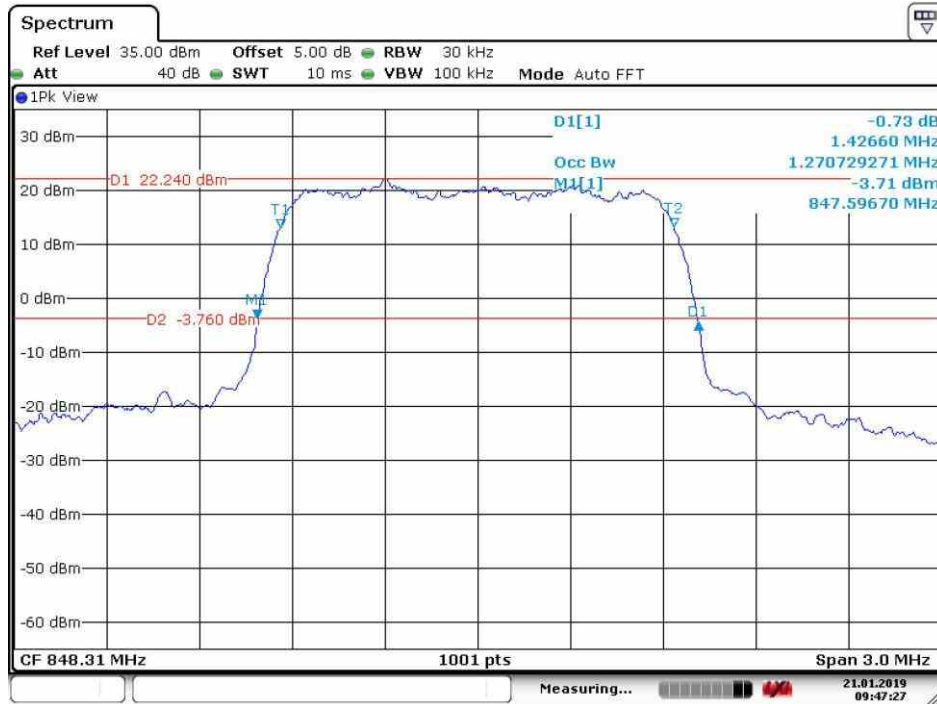
Date: 21. JAN.2019 09:44:35

4.1.1.1.2 Test Channel = MCH



Date: 21. JAN.2019 09:45:53

4.1.1.1.3 Test Channel = HCH

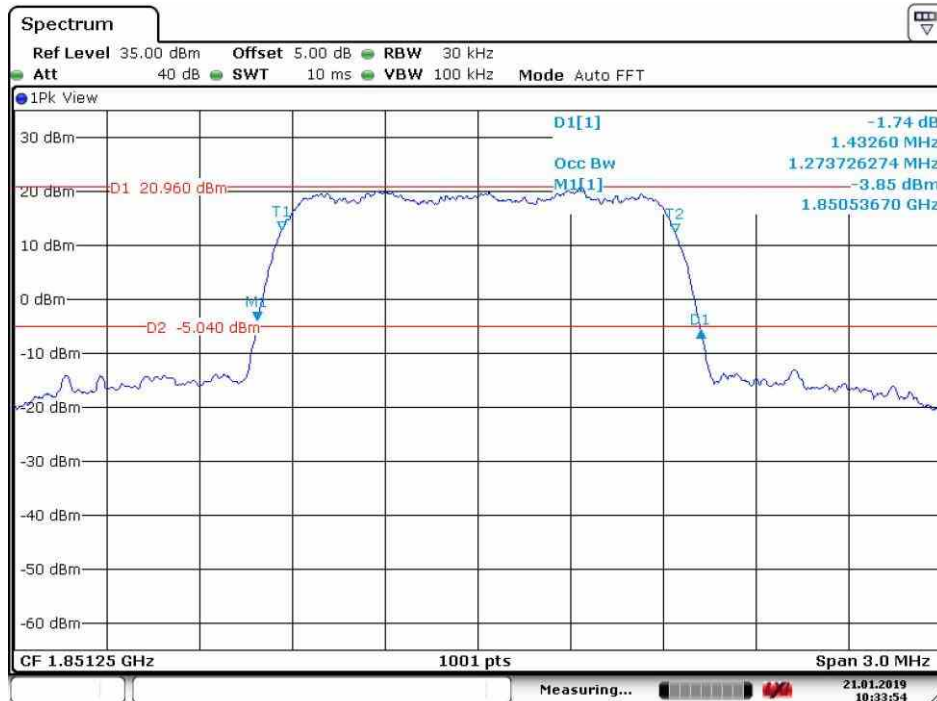


Date: 21.JAN.2019 09:47:27

4.1.2 Test Band = CDMA BC1

4.1.2.1 Test Mode = CDMA /TM1

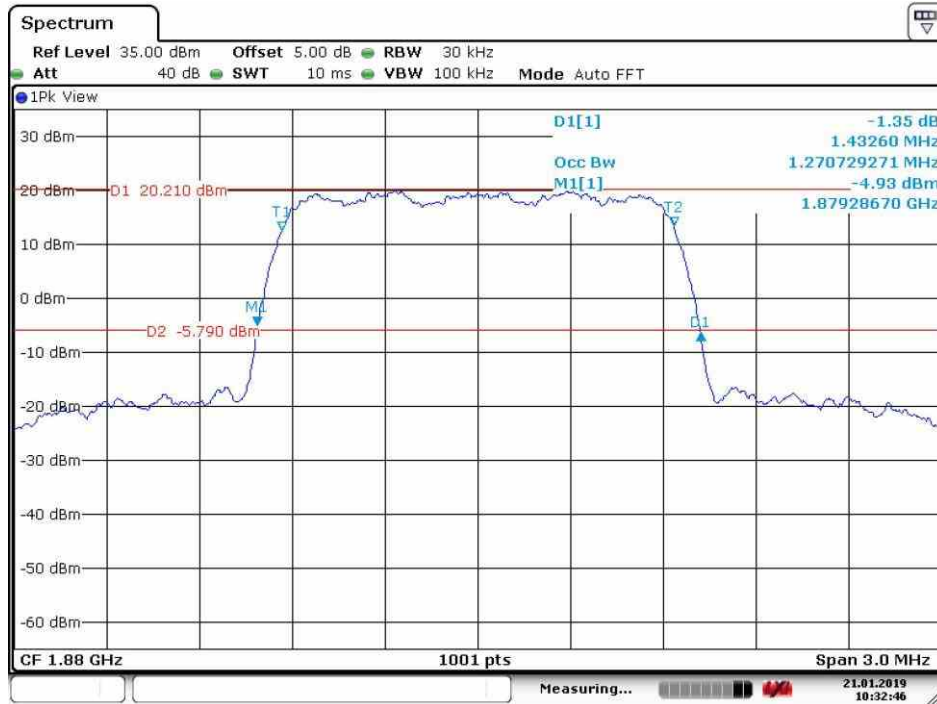
4.1.2.1.1 Test Channel = LCH



Date: 21.JAN.2019 10:33:55

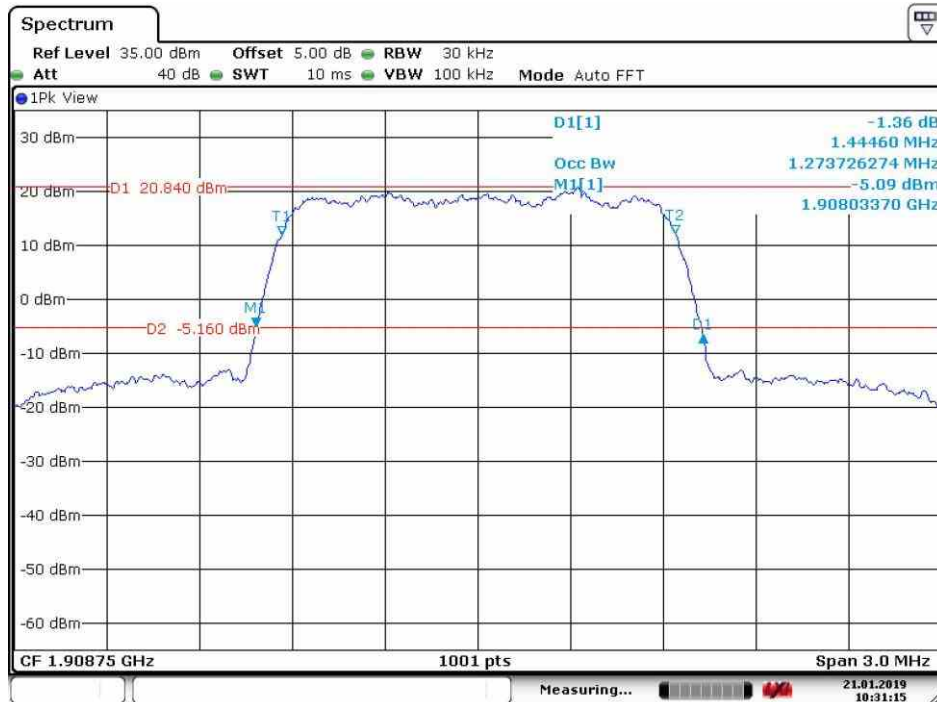
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4.1.2.1.2 Test Channel = MCH



Date: 21.JAN.2019 10:32:47

4.1.2.1.3 Test Channel = HCH

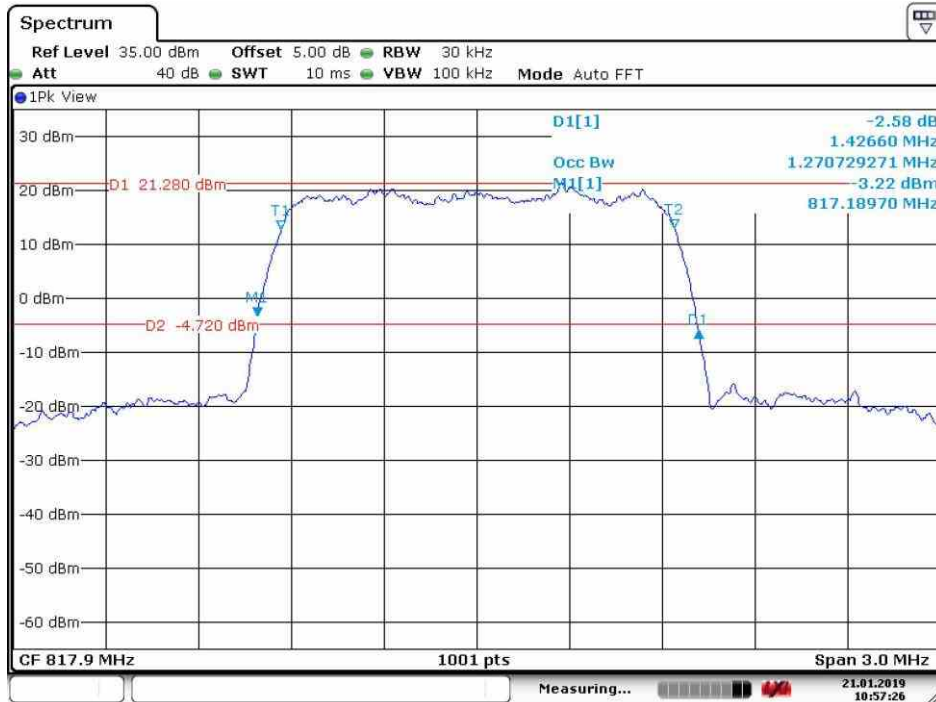


Date: 21.JAN.2019 10:31:16

4.1.3 Test Band = CDMA BC10

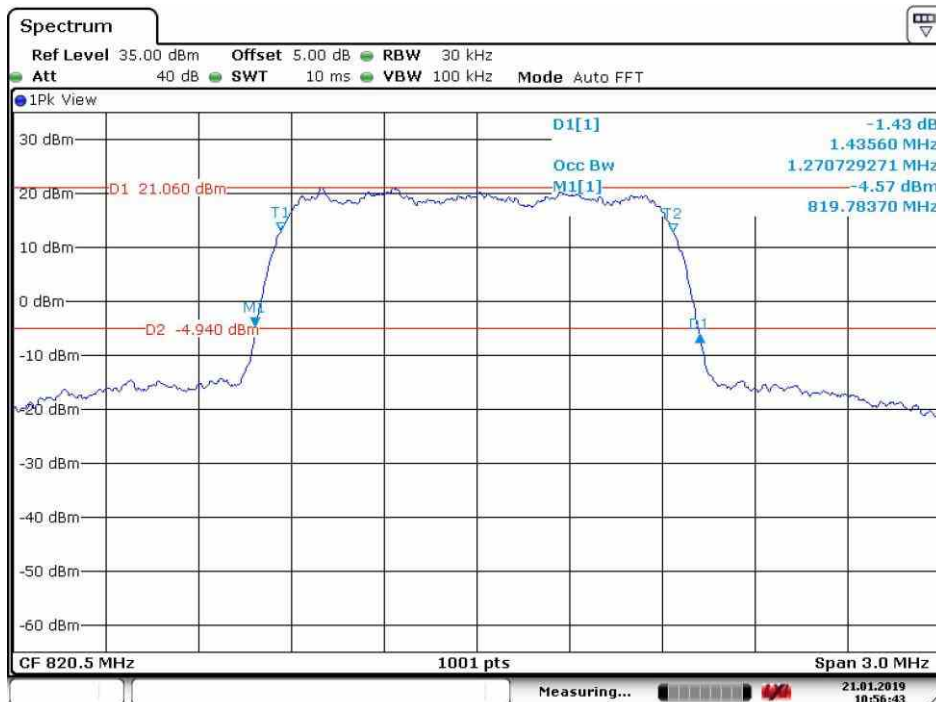
4.1.3.1 Test Mode = CDMA /TM1

4.1.3.1.1 Test Channel = LCH



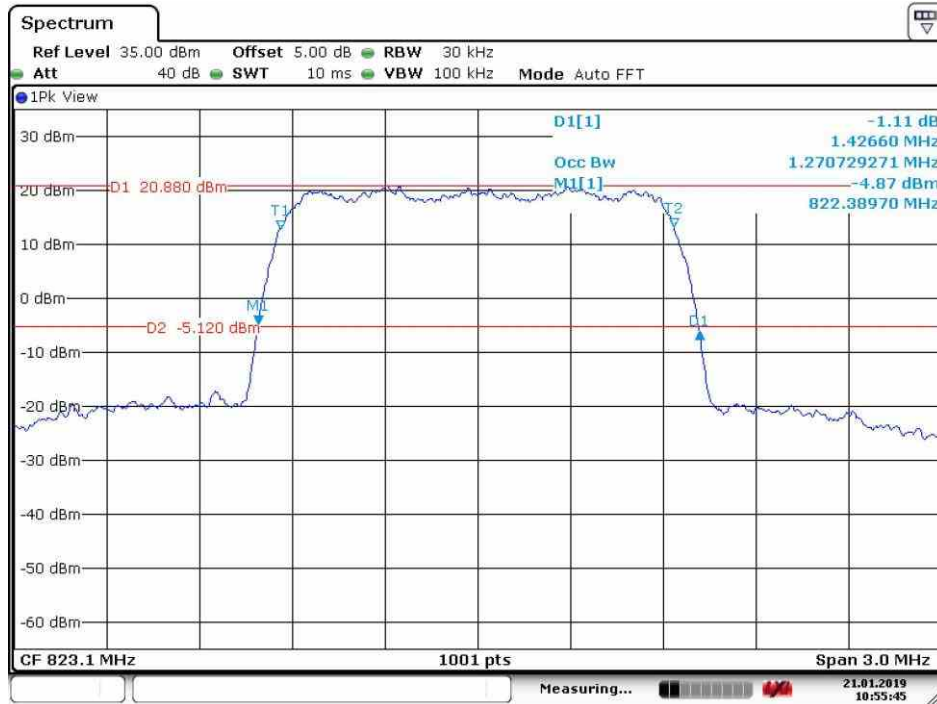
Date: 21.JAN.2019 10:57:26

4.1.3.1.2 Test Channel = MCH



Date: 21.JAN.2019 10:56:44

4.1.3.1.3 Test Channel = HCH



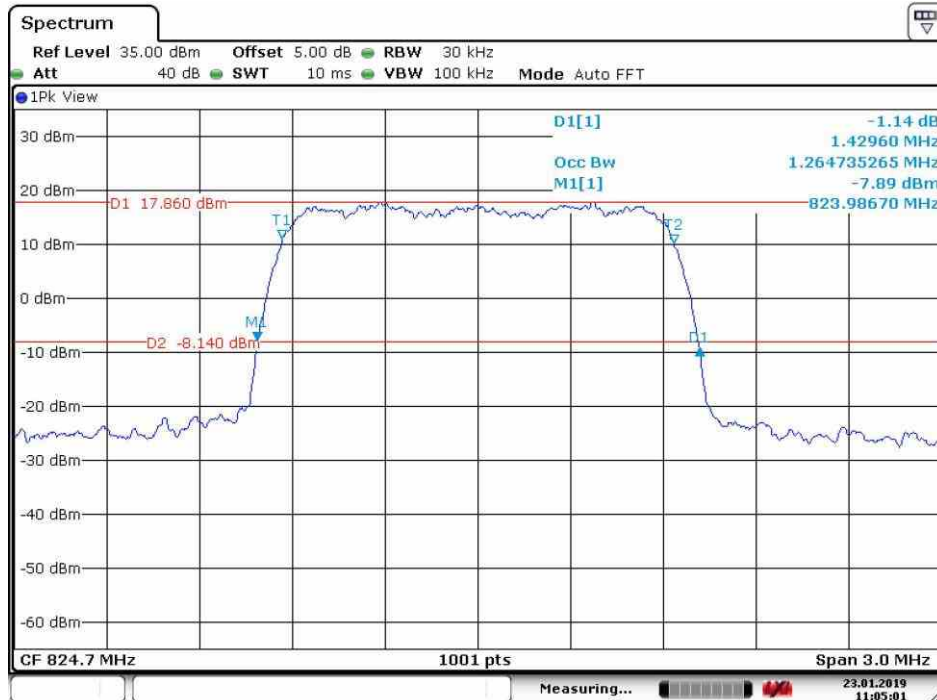
Date: 21.JAN.2019 10:55:46

4.2 For EVDO

4.2.1 Test Band = EVDO BC0

4.2.1.1 Test Mode = EVDO /TM1

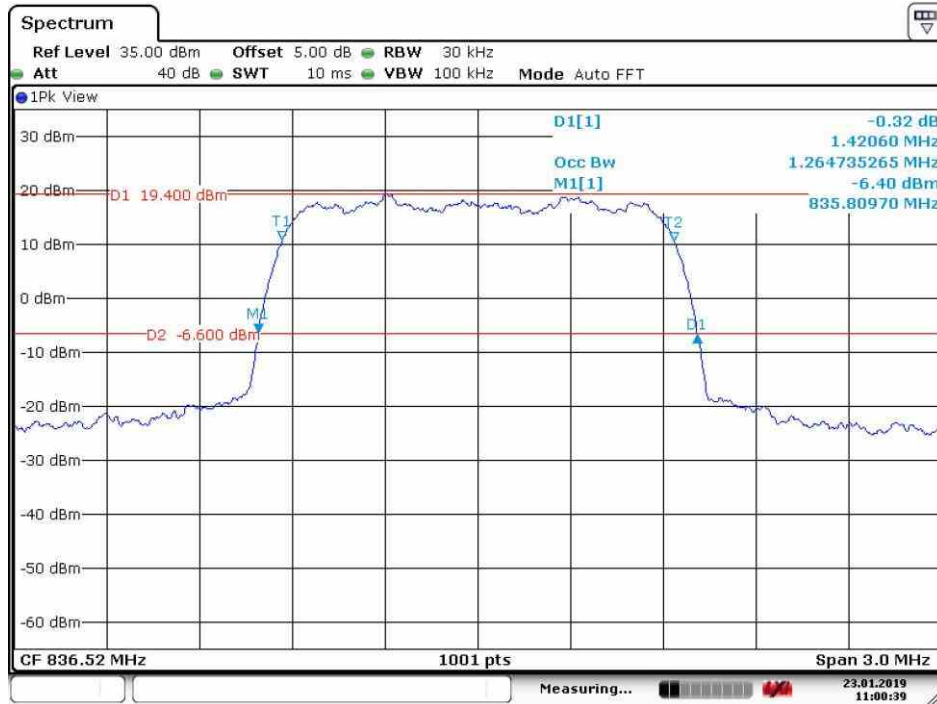
4.2.1.1.1 Test Channel = LCH



Date: 23.JAN.2019 11:05:01

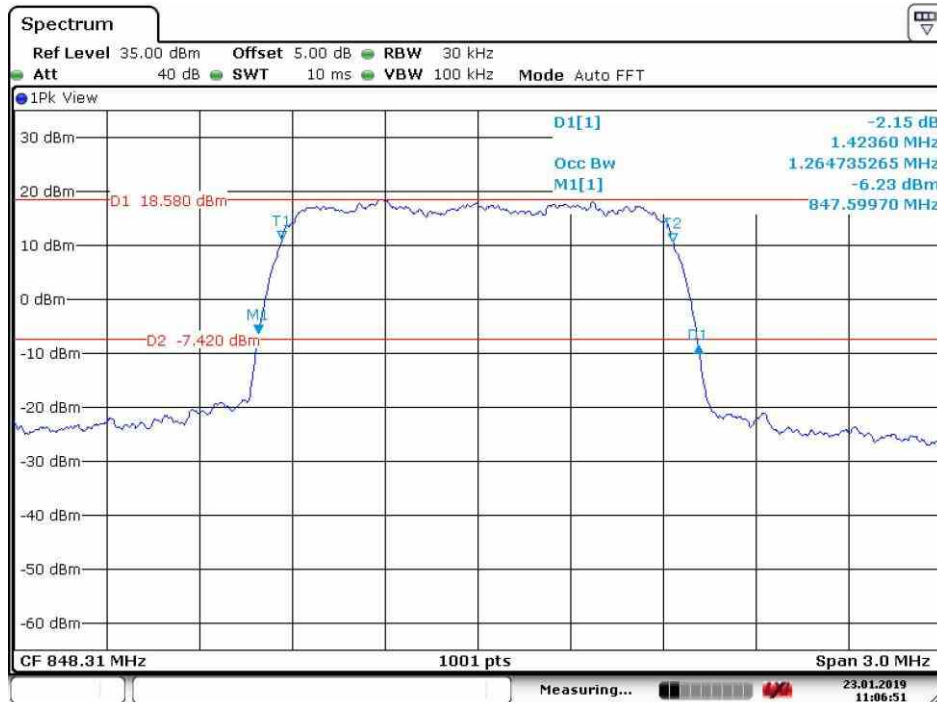
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4.2.1.1.2 Test Channel = MCH



Date: 23.JAN.2019 11:00:40

4.2.1.1.3 Test Channel = HCH

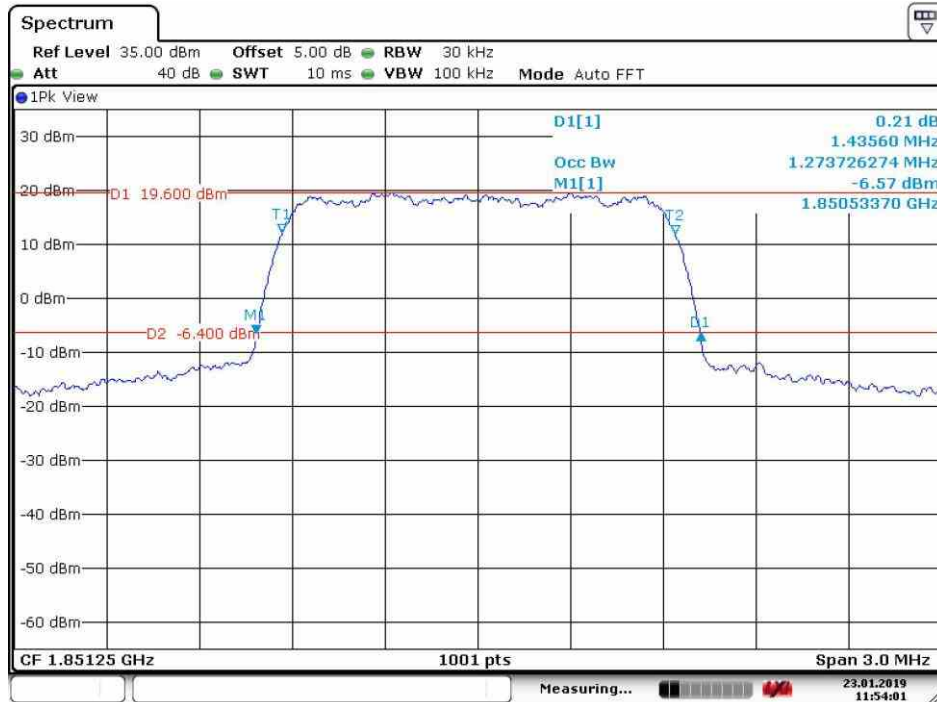


Date: 23.JAN.2019 11:06:52

4.2.2 Test Band = EVDO BC1

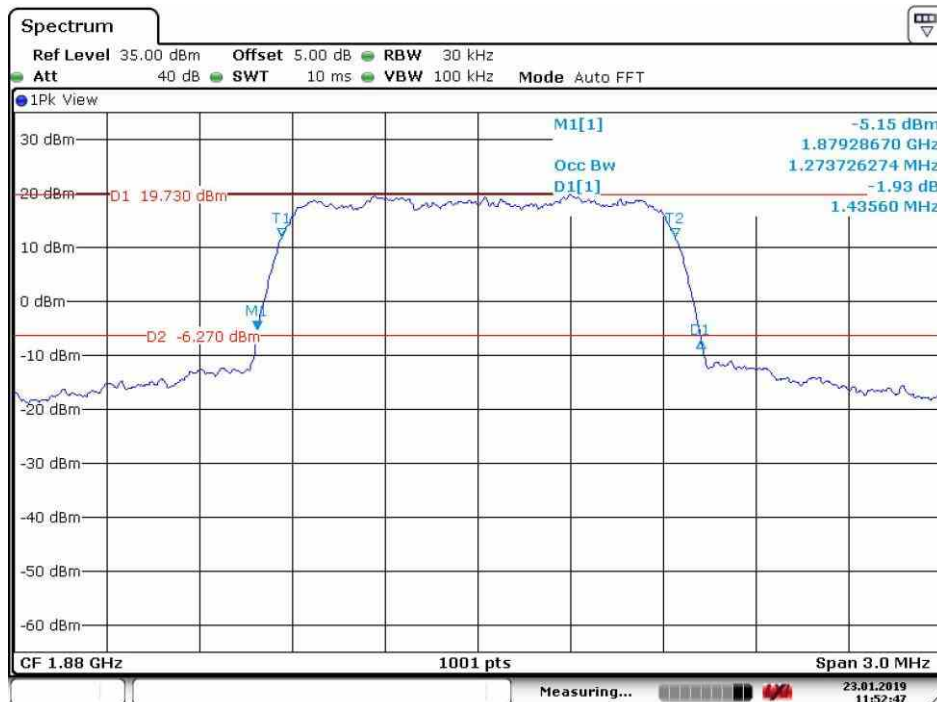
4.2.2.1 Test Mode = EVDO /TM1

4.2.2.1.1 Test Channel = LCH



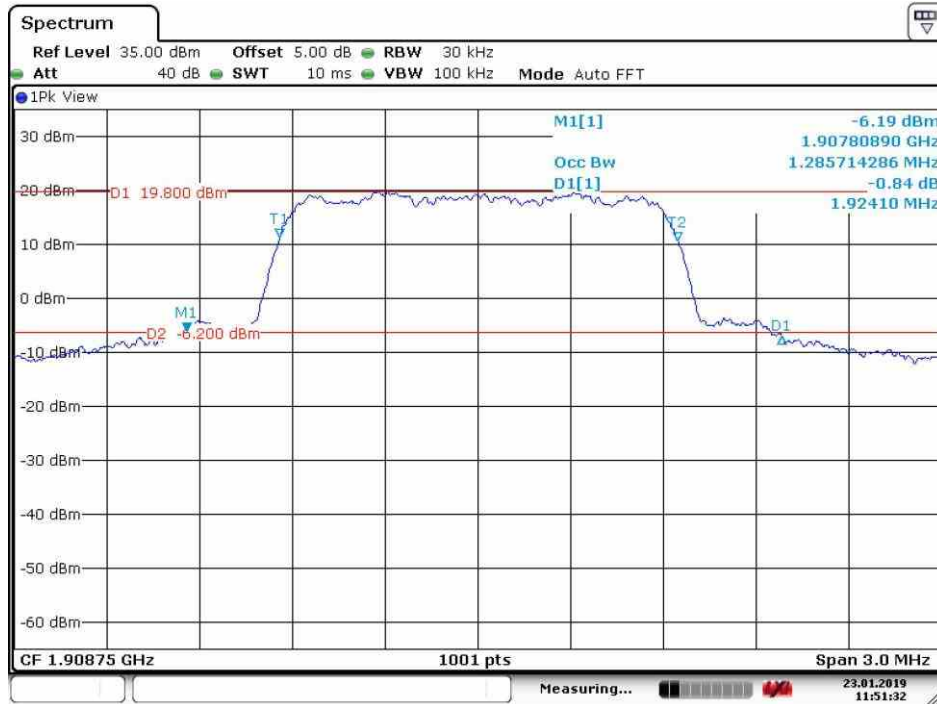
Date: 23.JAN.2019 11:54:01

4.2.2.1.2 Test Channel = MCH



Date: 23.JAN.2019 11:52:48

4.2.2.1.3 Test Channel = HCH

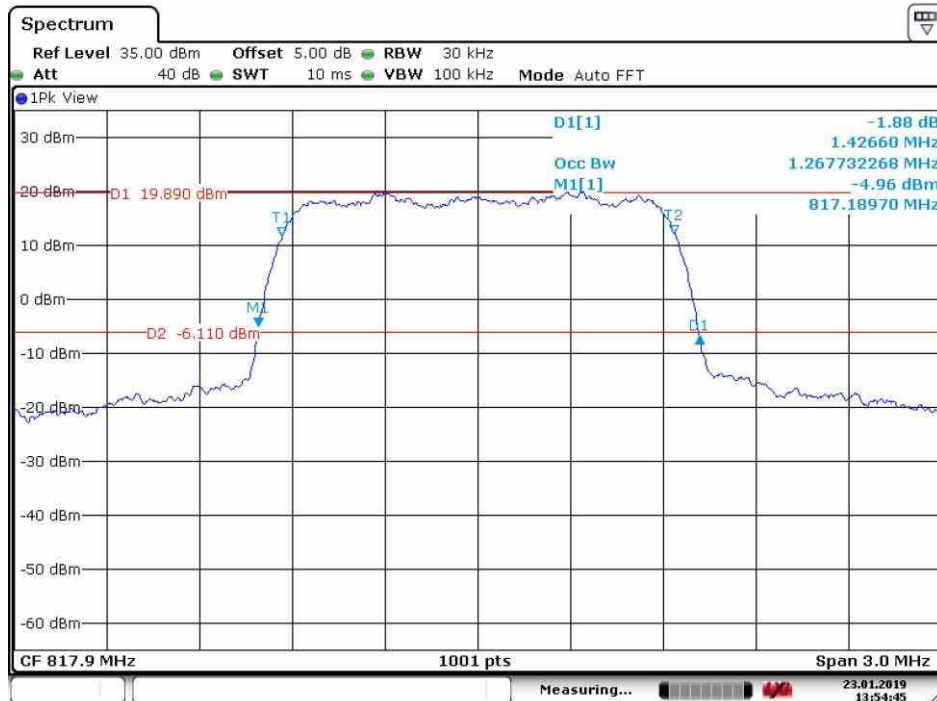


Date: 23.JAN.2019 11:51:33

4.2.3 Test Band = EVDO BC10

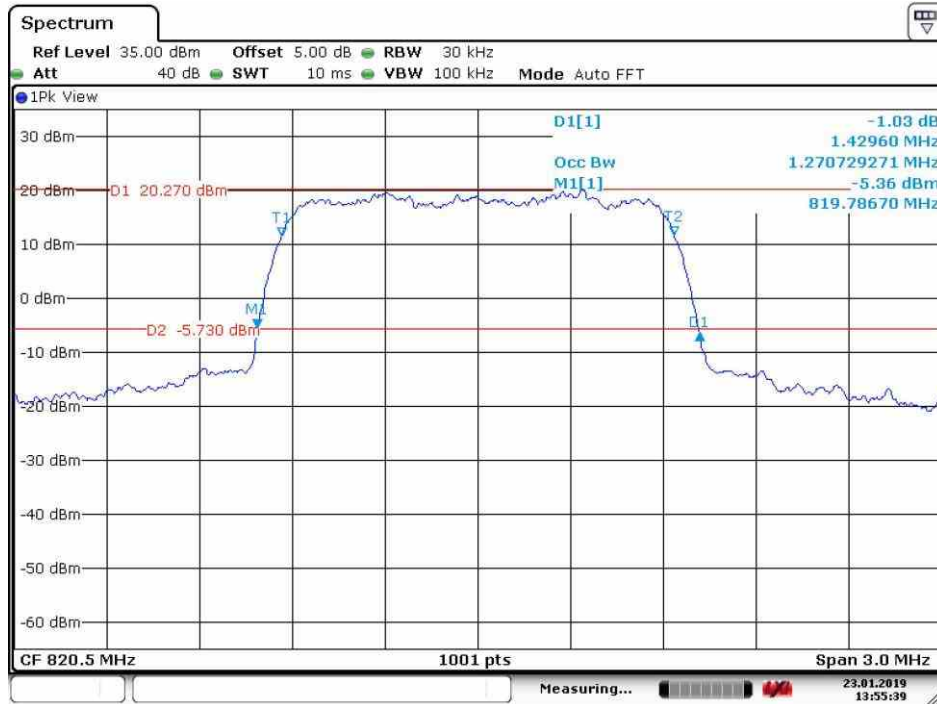
4.2.3.1 Test Mode = EVDO /TM1

4.2.3.1.1 Test Channel = LCH



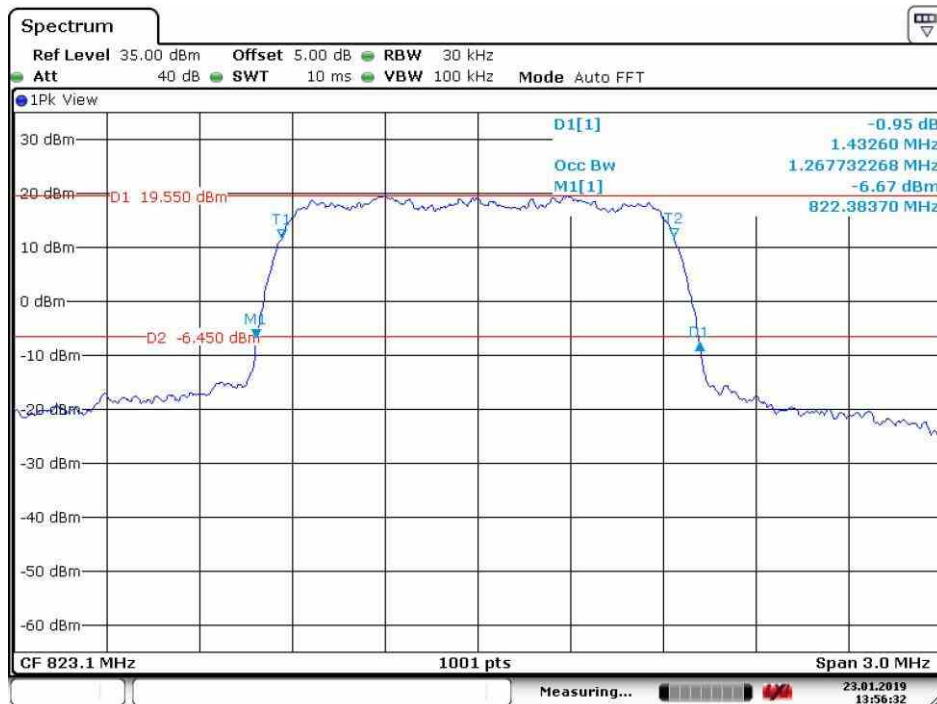
Date: 23.JAN.2019 13:54:45

4.2.3.1.2 Test Channel = MCH



Date: 23. JAN. 2019 13:55:40

4.2.3.1.3 Test Channel = HCH



Date: 23. JAN. 2019 13:56:32

5 Band Edges Compliance

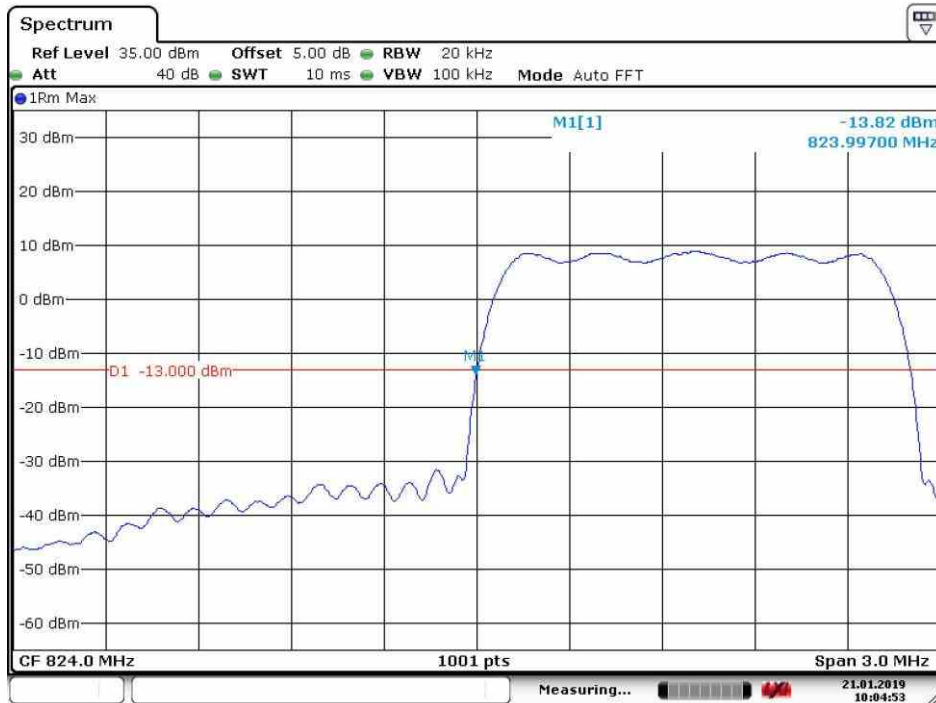
Part I - Test Plots

5.1 For CDMA

5.1.1 Test Band = CDMA BC0

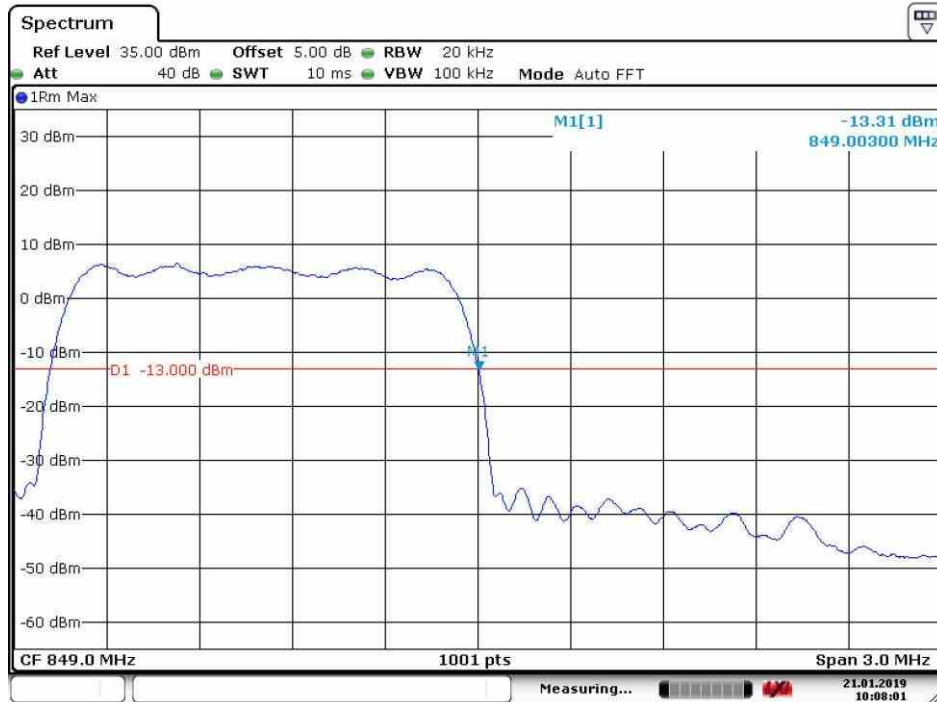
5.1.1.1 Test Mode = CDMA /TM1

5.1.1.1.1 Test Channel = LCH



Date: 21.JAN.2019 10:04:54

5.1.1.1.2 Test Channel = HCH

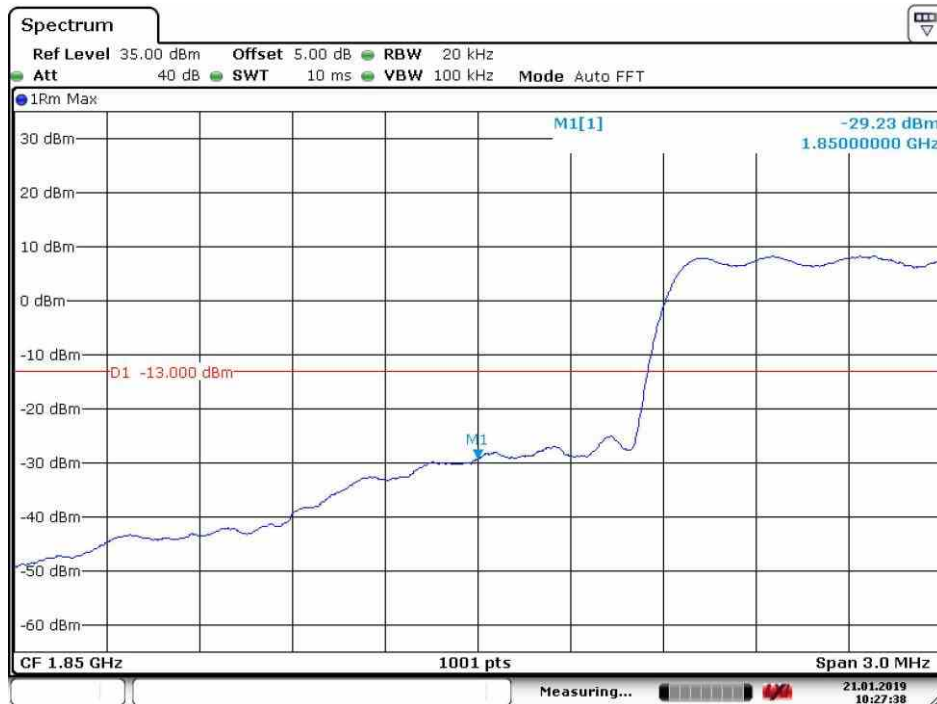


Date: 21.JAN.2019 10:08:02

5.1.2 Test Band = CDMA BC1

5.1.2.1 Test Mode = CDMA /TM1

5.1.2.1.1 Test Channel = LCH



Date: 21.JAN.2019 10:27:38

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5.1.2.1.2 Test Channel = HCH

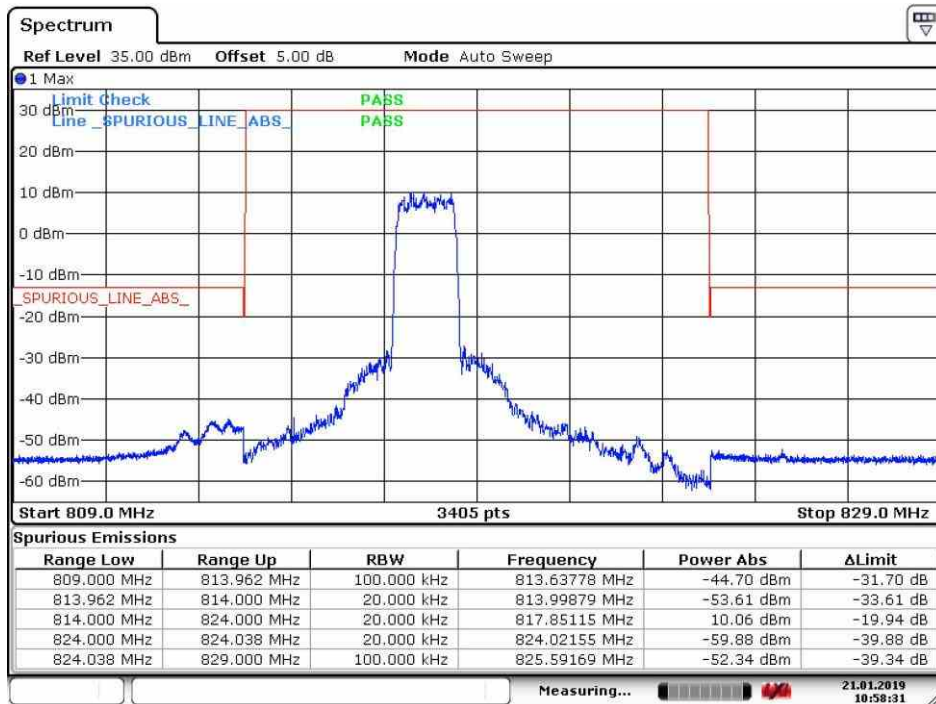


Date: 21.JAN.2019 10:28:12

5.1.3 Test Band = CDMA BC10

5.1.3.1 Test Mode = CDMA /TM1

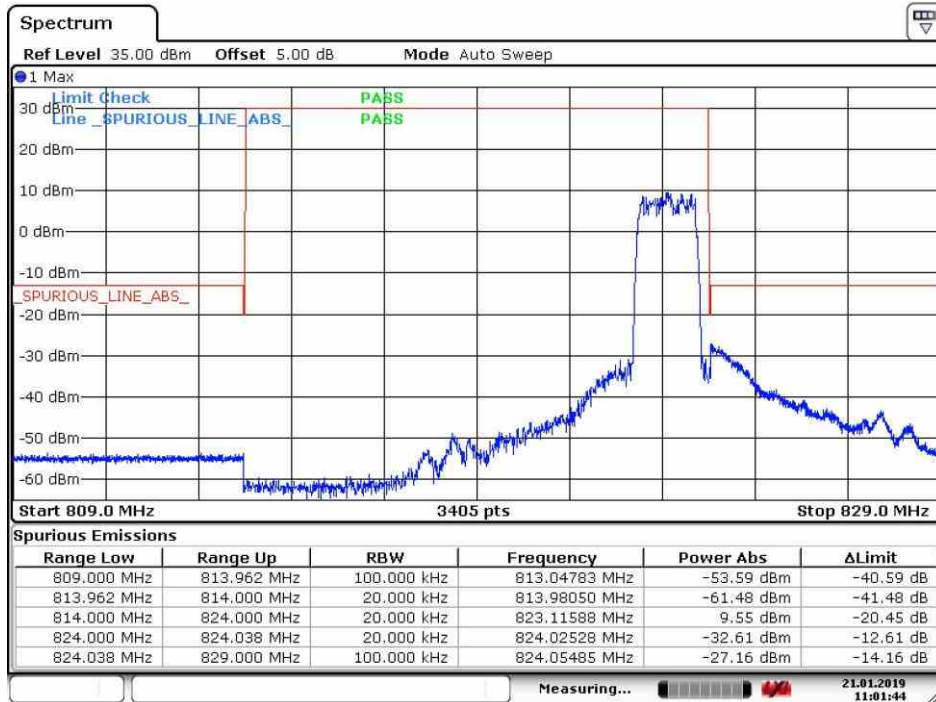
5.1.3.1.1 Test Channel = LCH



Date: 21.JAN.2019 10:58:32

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5.1.3.1.2 Test Channel = HCH



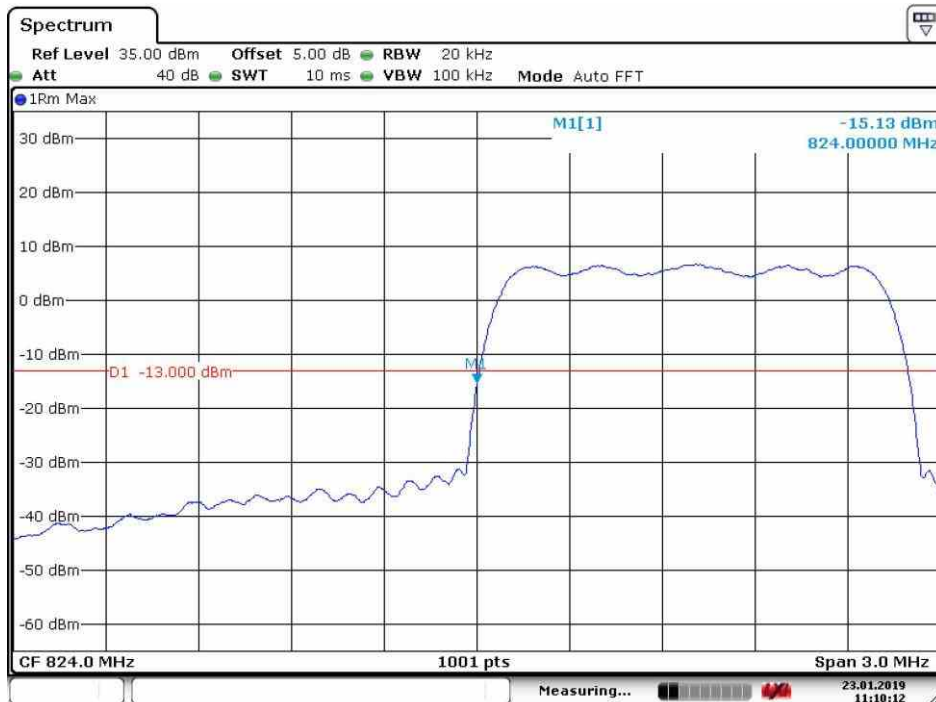
Date: 21.JAN.2019 11:01:44

5.2 For EVDO

5.2.1 Test Band = EVDO BC0

5.2.1.1 Test Mode = EVDO /TM1

5.2.1.1.1 Test Channel = LCH



Date: 23.JAN.2019 11:10:13

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5.2.1.1.2 Test Channel = HCH

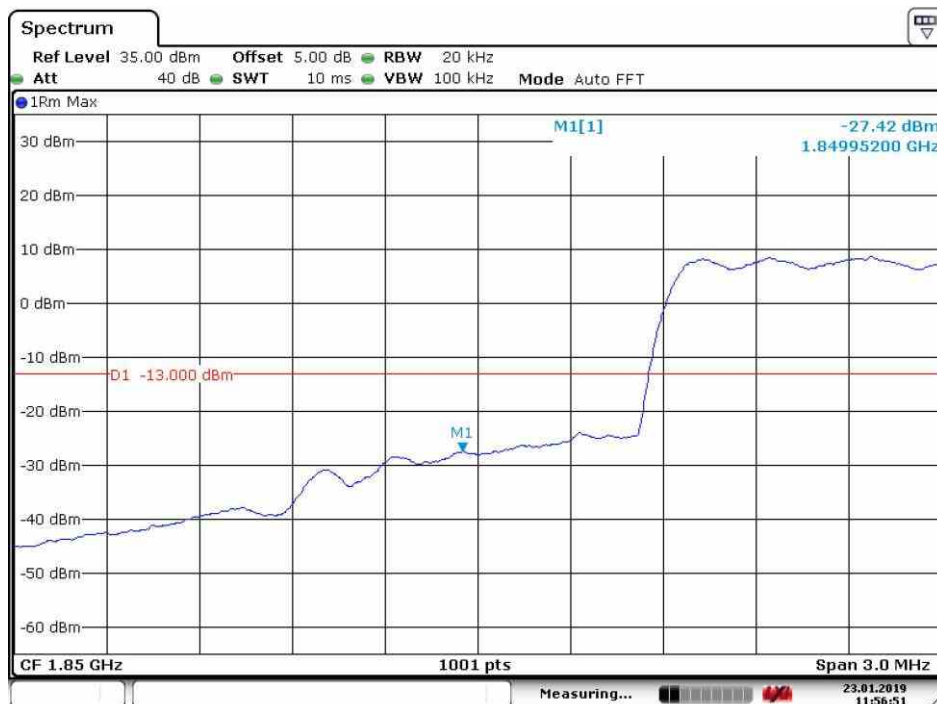


Date: 23.JAN.2019 11:16:41

5.2.2 Test Band = EVDO BC1

5.2.2.1 Test Mode = EVDO /TM1

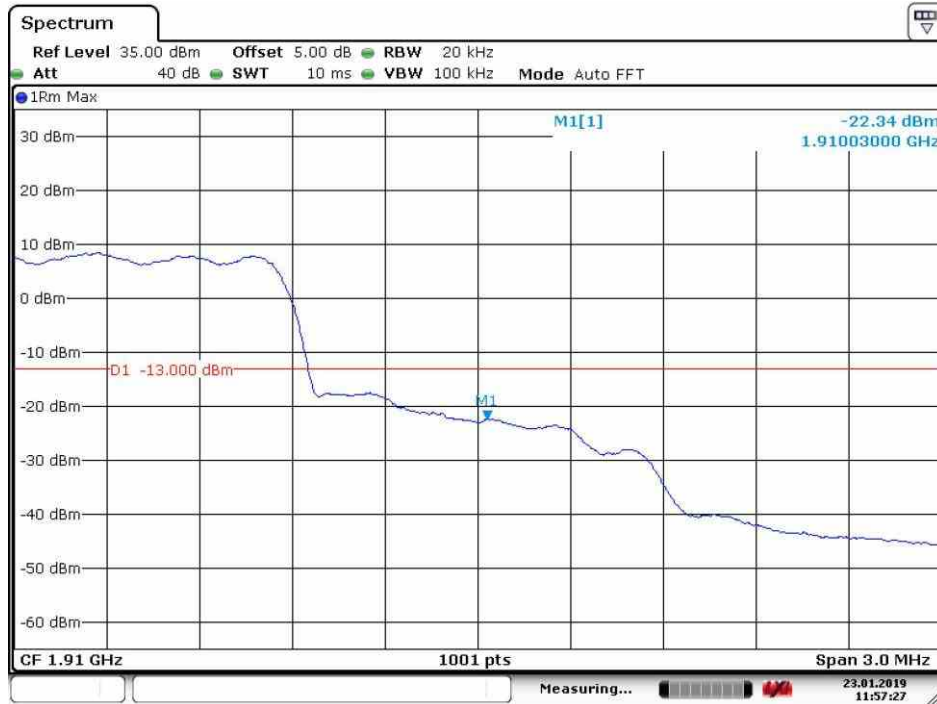
5.2.2.1.1 Test Channel = LCH



Date: 23.JAN.2019 11:56:51

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5.2.2.1.2 Test Channel = HCH

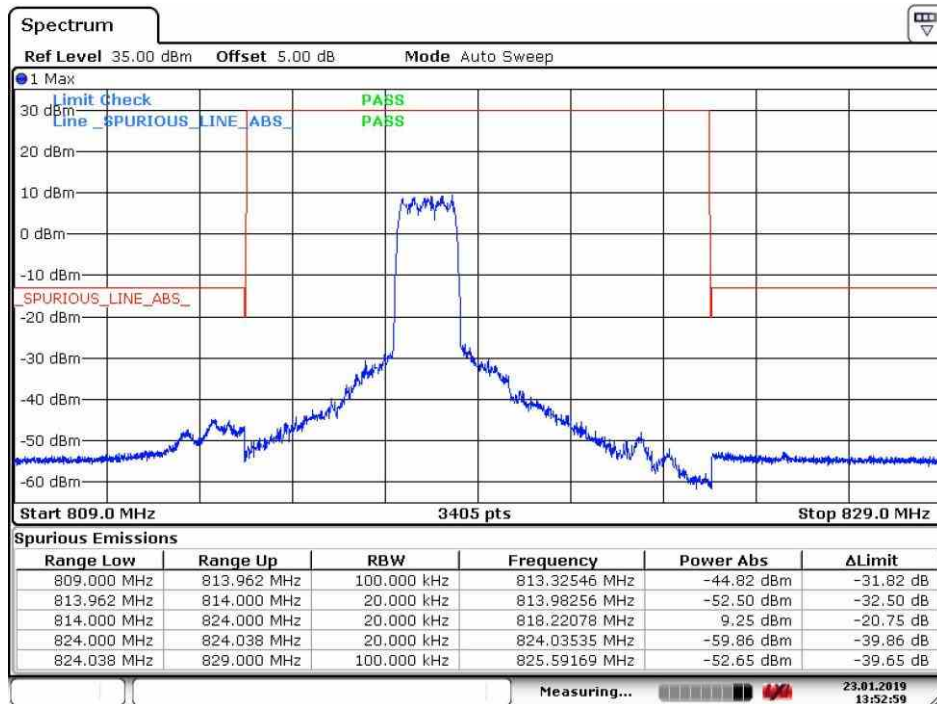


Date: 23. JAN 2019 11:57:28

5.2.3 Test Band = EVDO BC10

5.2.3.1 Test Mode = EVDO /TM1

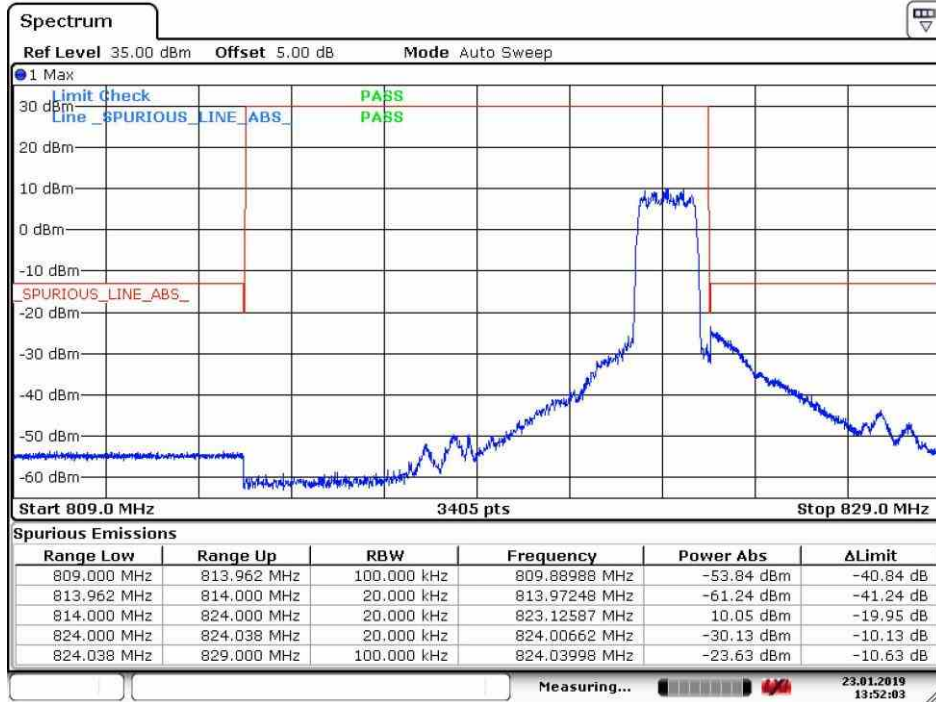
5.2.3.1.1 Test Channel = LCH



Date: 23. JAN 2019 13:52:59

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5.2.3.1.2 Test Channel = HCH



Date: 23.JAN.2019 13:52:03

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.

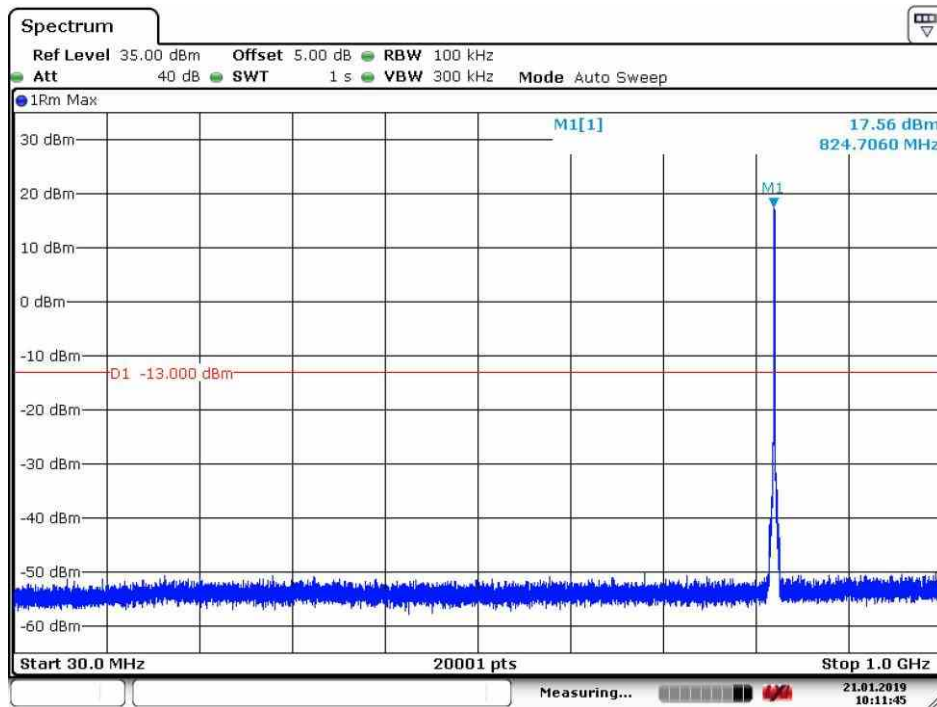
Part I - Test Plots

6.1 For CDMA

6.1.1 Test Band = CDMA BC0

6.1.1.1 Test Mode = CDMA /TM1

6.1.1.1.1 Test Channel = LCH



Date: 21.JAN.2019 10:11:46