

KCTL Inc.

65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677, Korea
TEL: 82-31-285-0894 FAX: 82-505-299-8311
www.kctl.co.kr

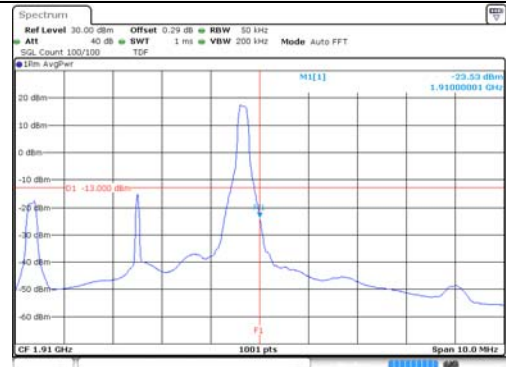
Report No.:
KR22-SRF0021
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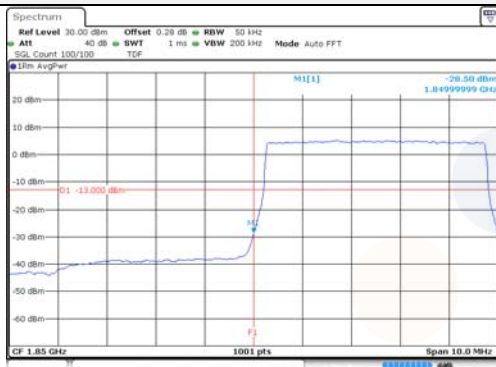
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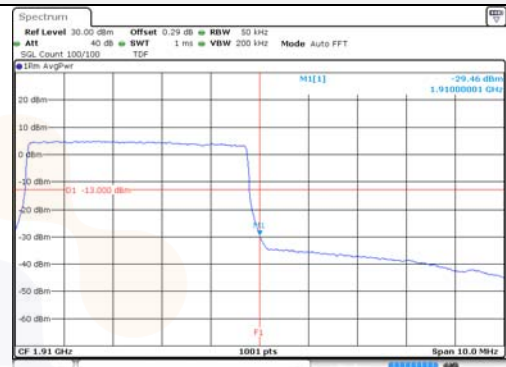
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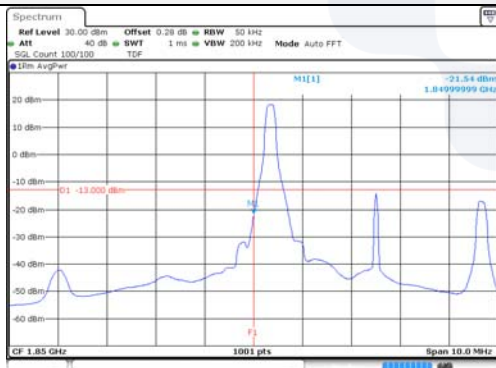
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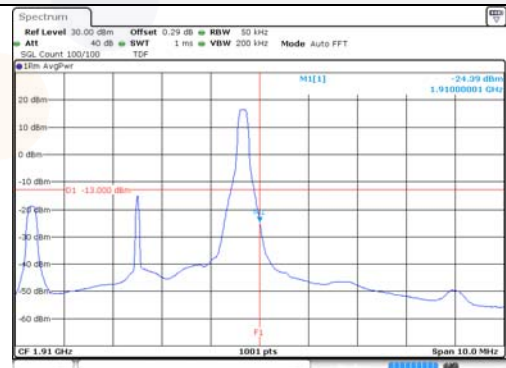
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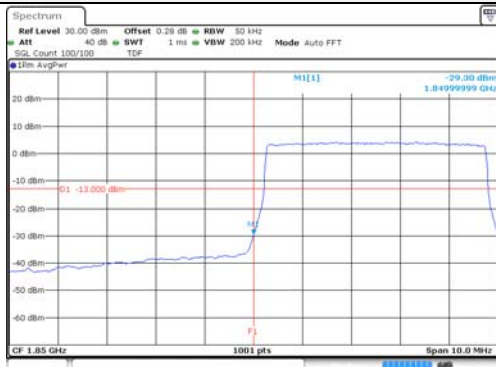
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5M BW 16QAM Low ch. FRB



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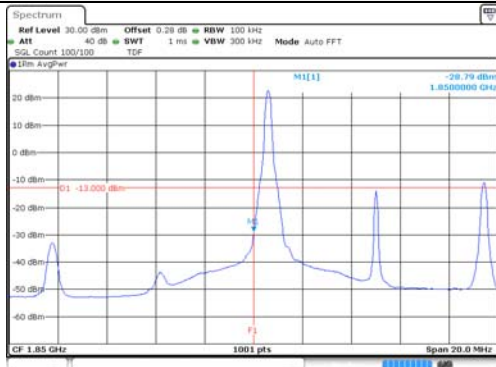
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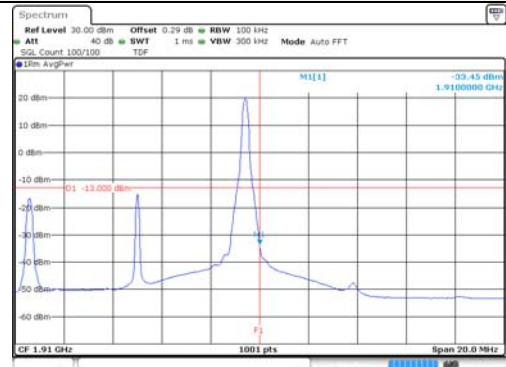
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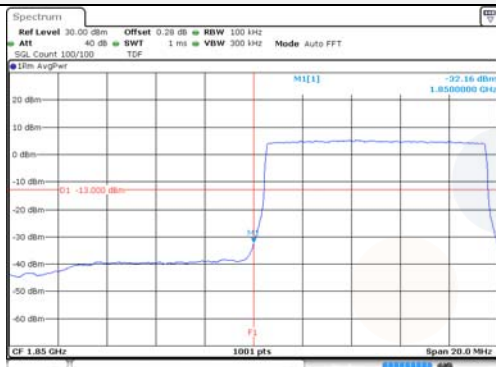
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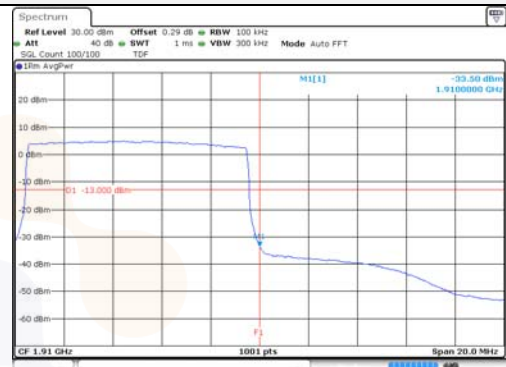
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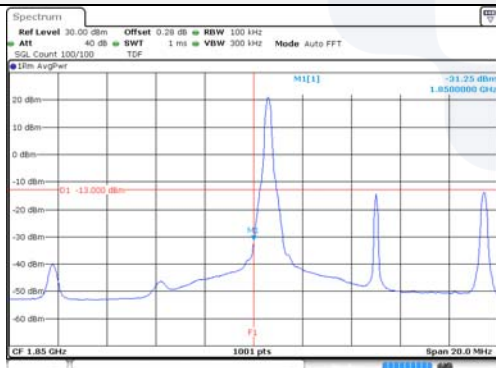
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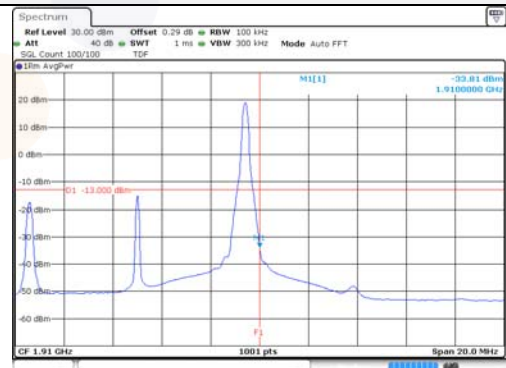
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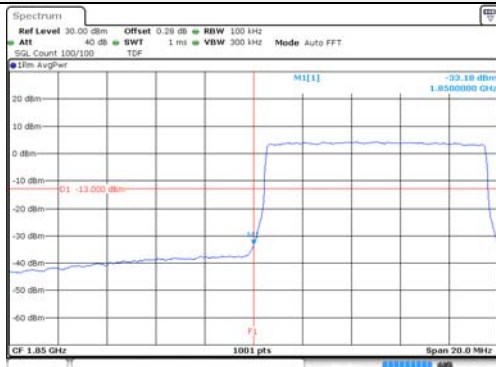
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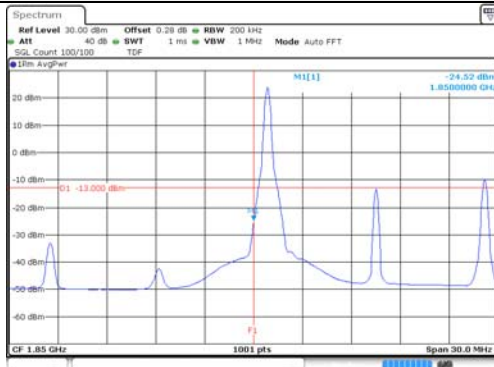
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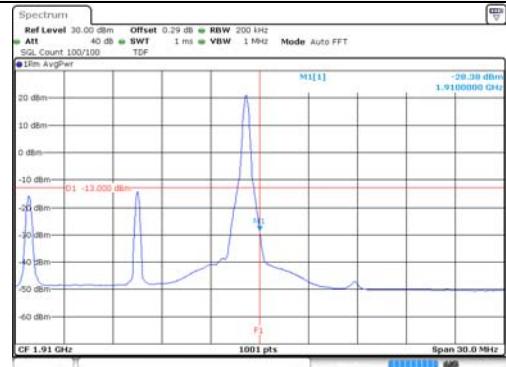
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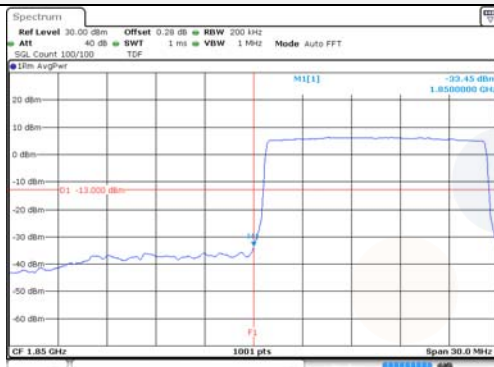
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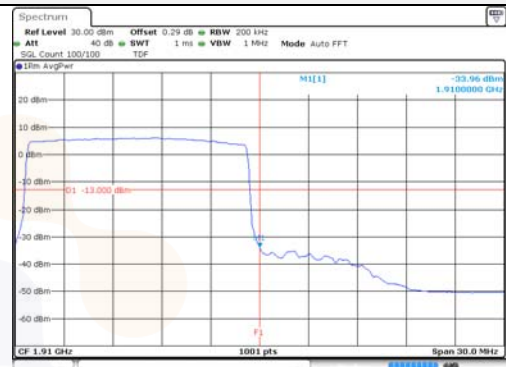
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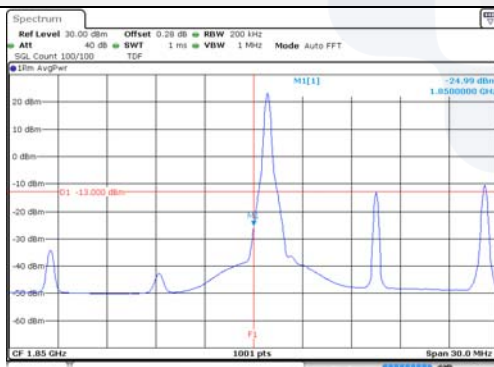
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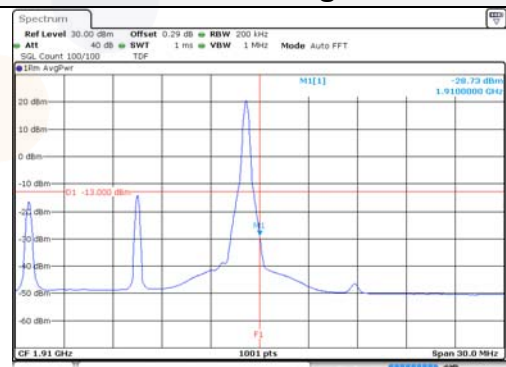
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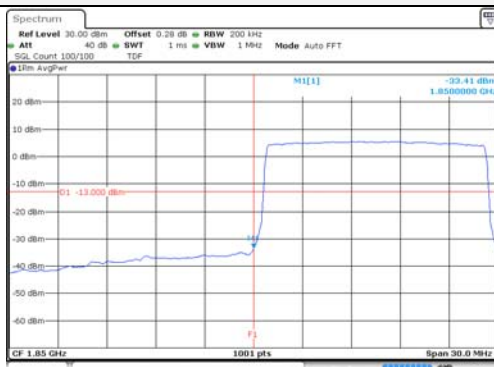
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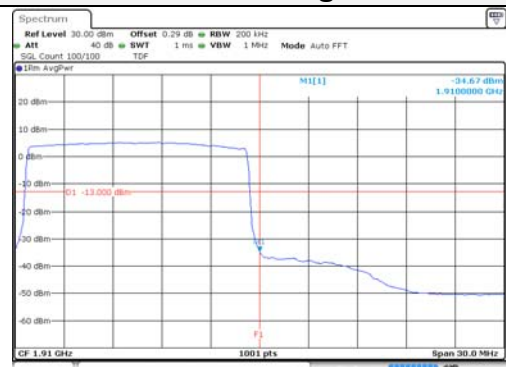
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15M BW 16QAM Low ch. FRB



15M BW 16QAM High ch. FRB



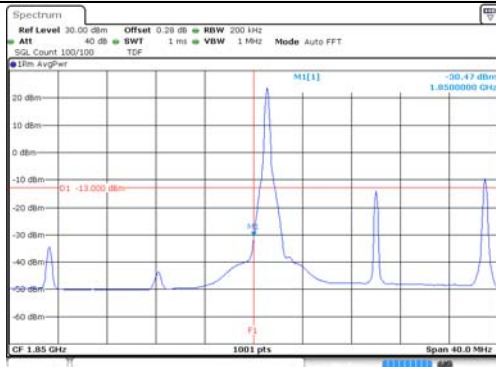
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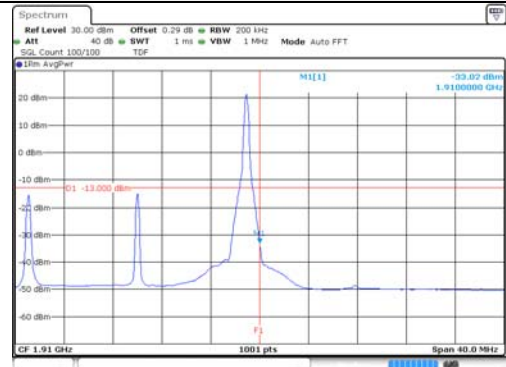
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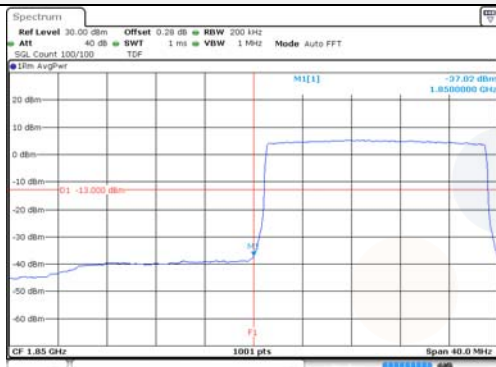
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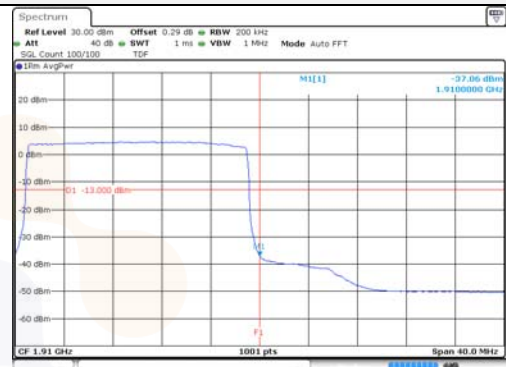
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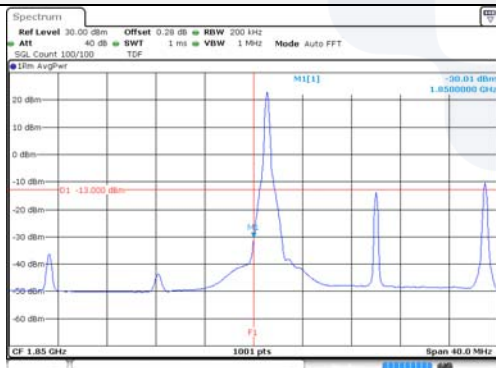
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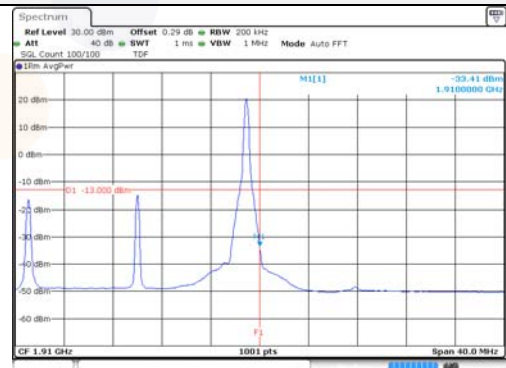
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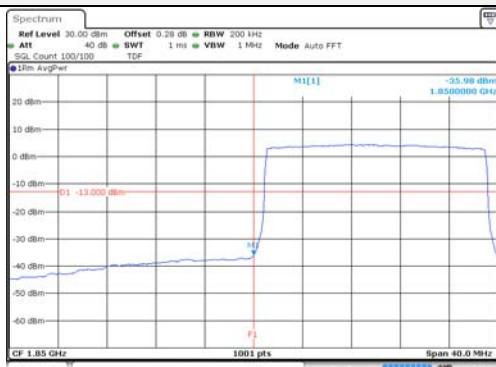
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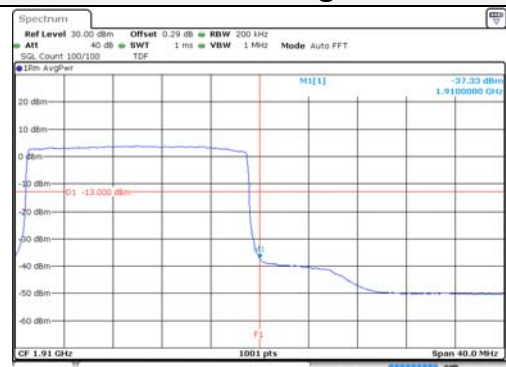
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20M BW 16QAM Low ch. FRB



20M BW 16QAM High ch. FRB



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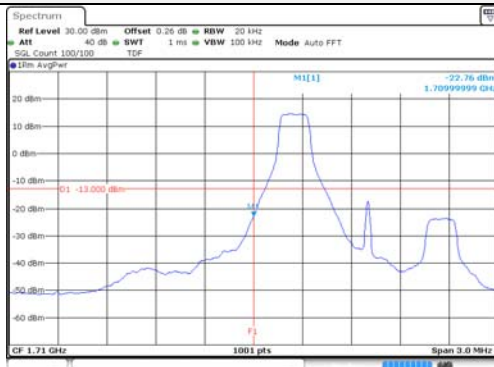
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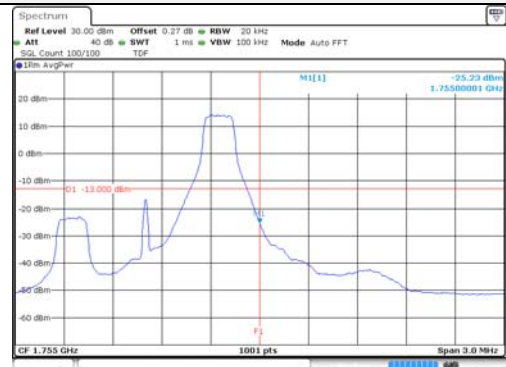


Test mode: LTE Band 4

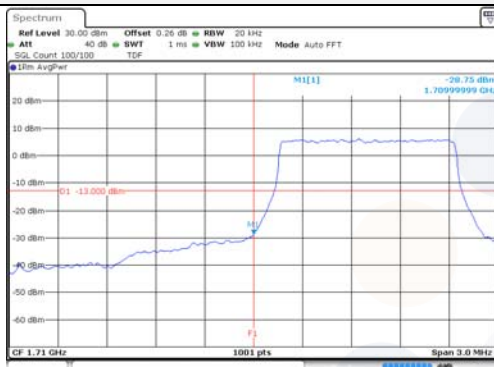
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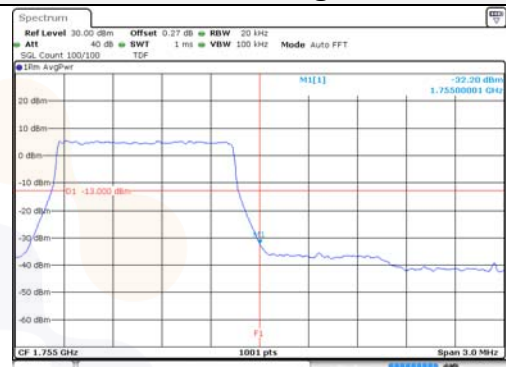
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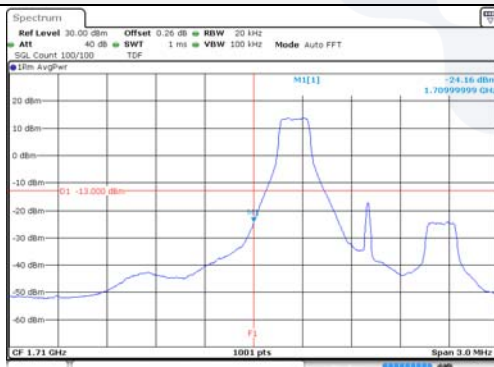
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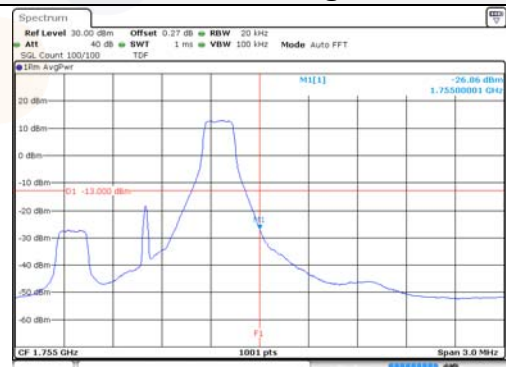
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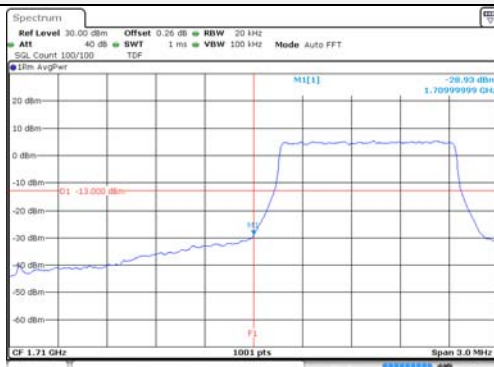
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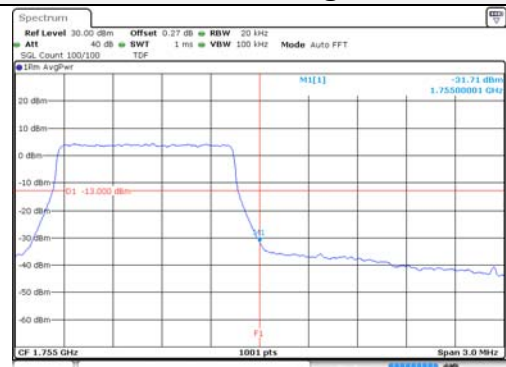
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1.4M BW 16QAM Low ch. FRB



1.4M BW 16QAM High ch. FRB



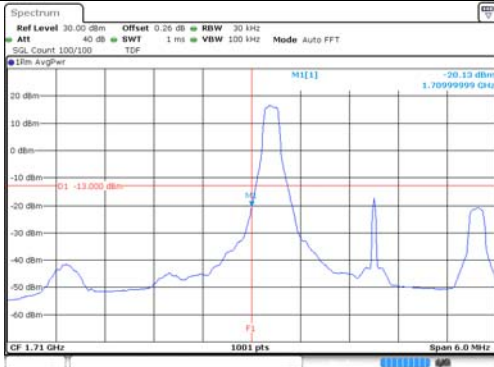
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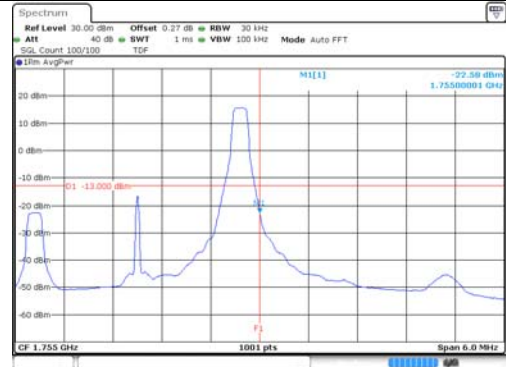
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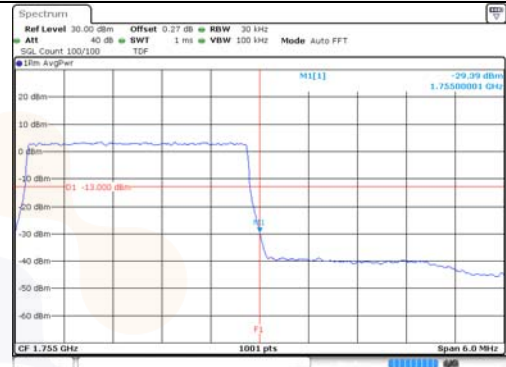
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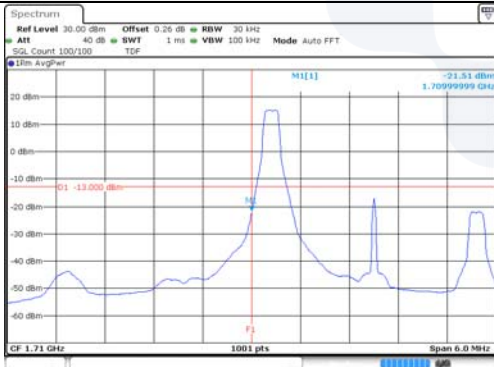
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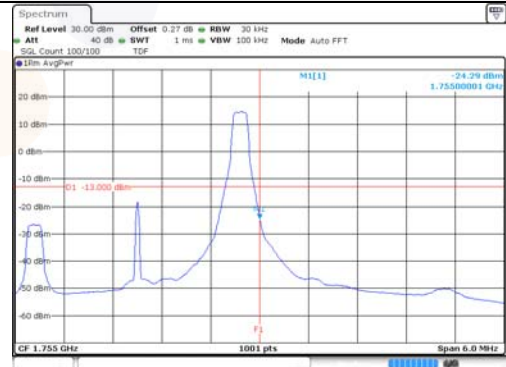
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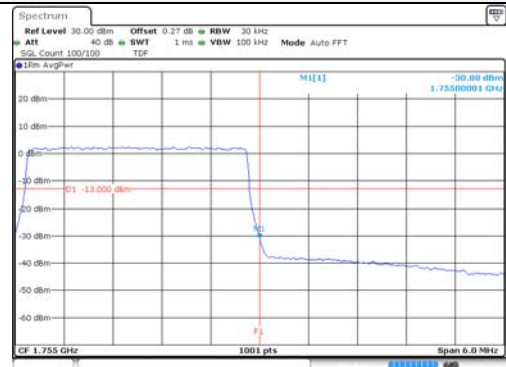
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3M BW 16QAM Low ch. FRB



3M BW 16QAM High ch. FRB



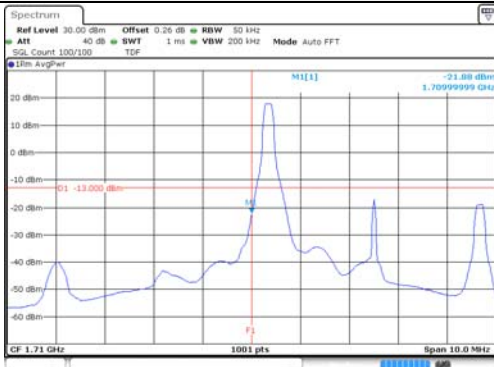
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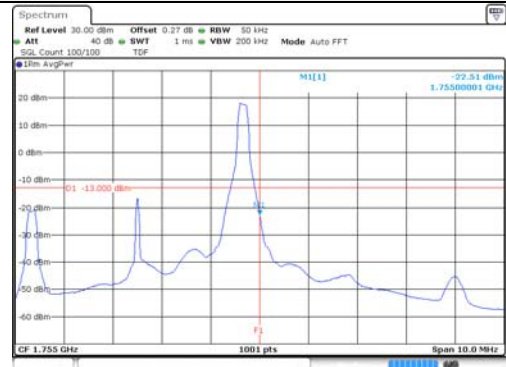
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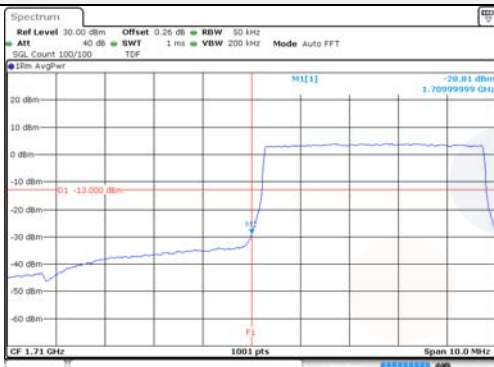
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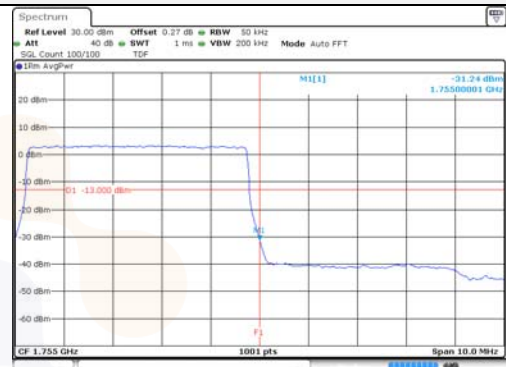
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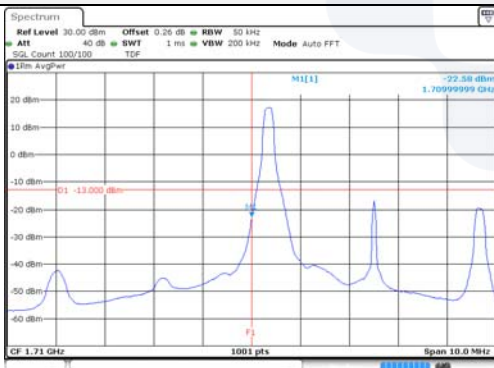
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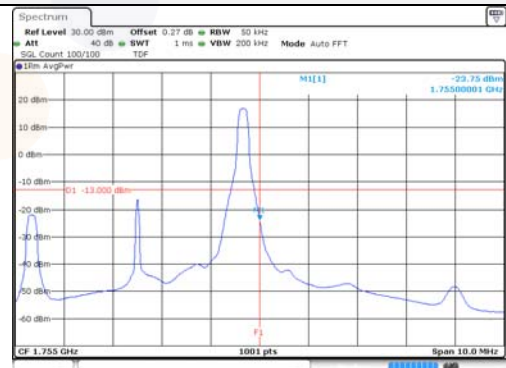
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5M BW 16QAM Low ch. 1RB



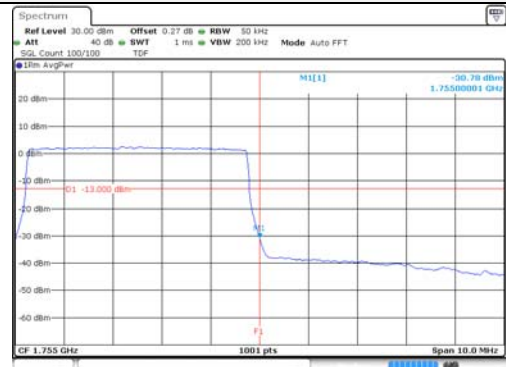
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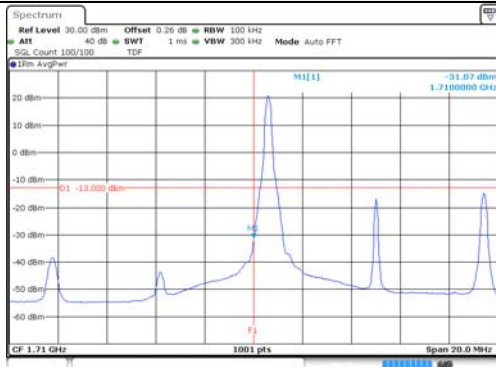
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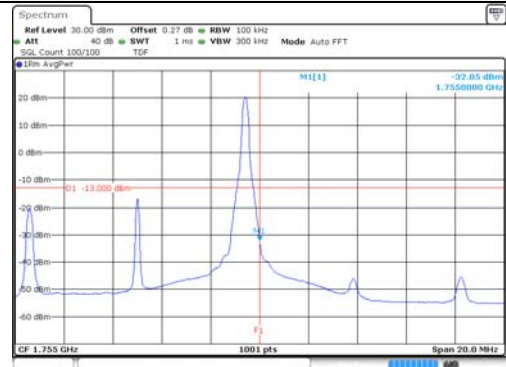
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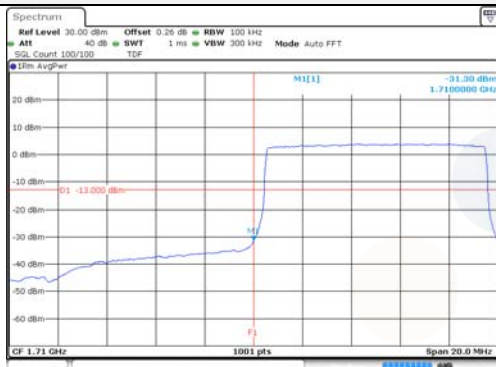
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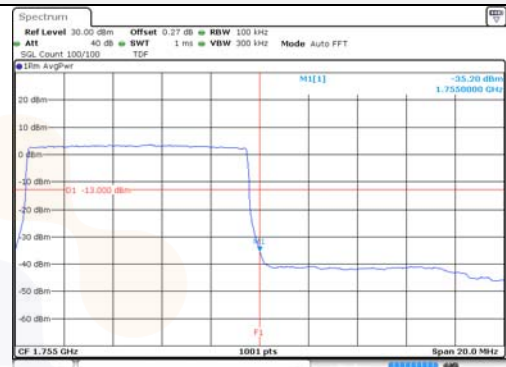
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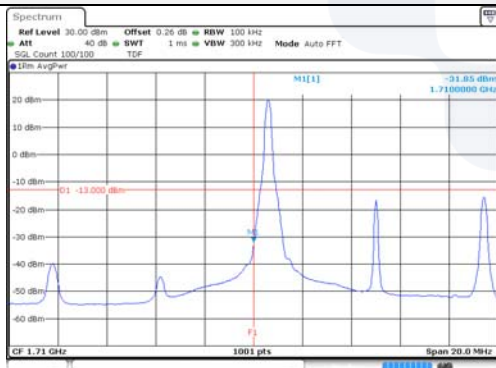
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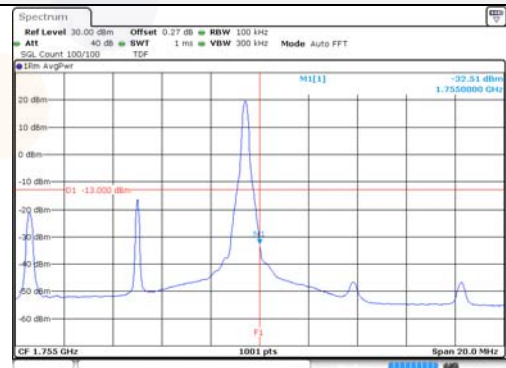
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10M BW 16QAM Low ch. 1RB



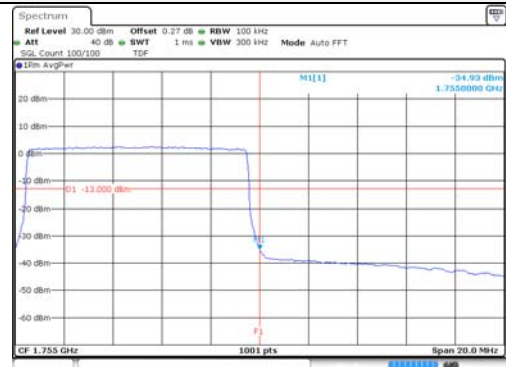
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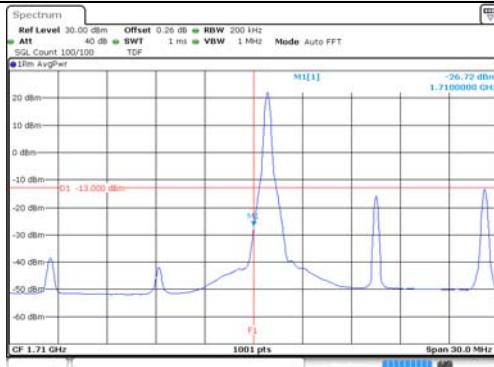
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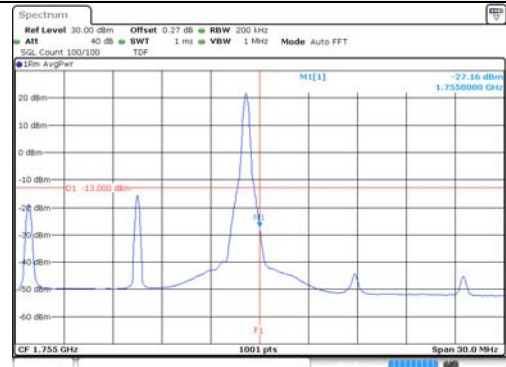
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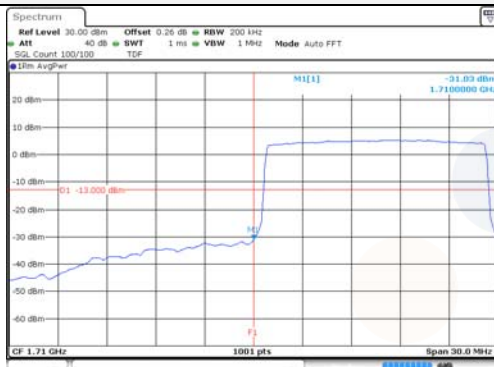
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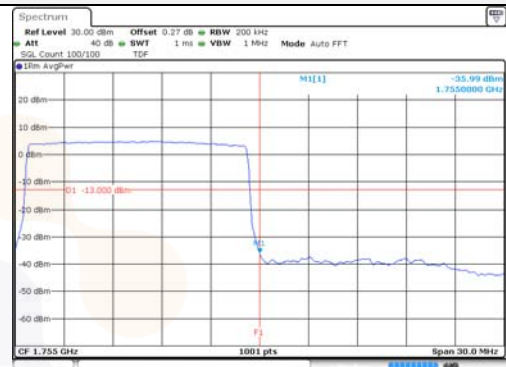
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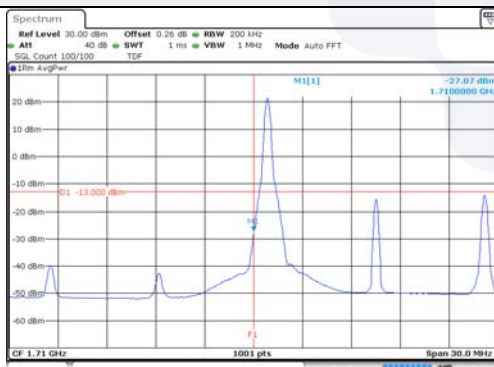
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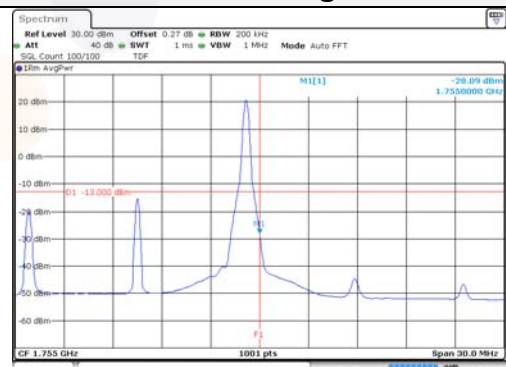
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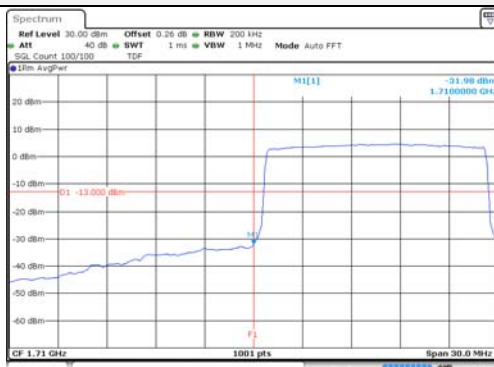
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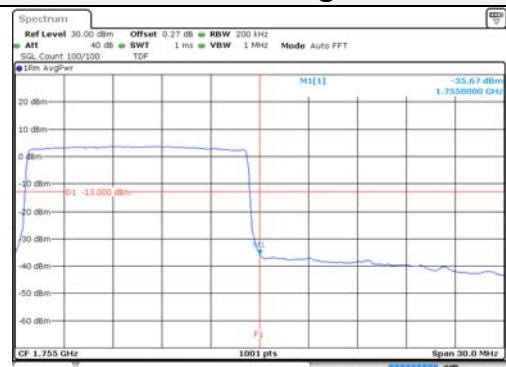
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15M BW 16QAM Low ch. FRB



15M BW 16QAM High ch. FRB



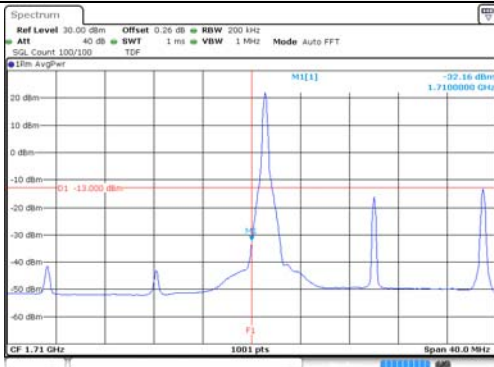
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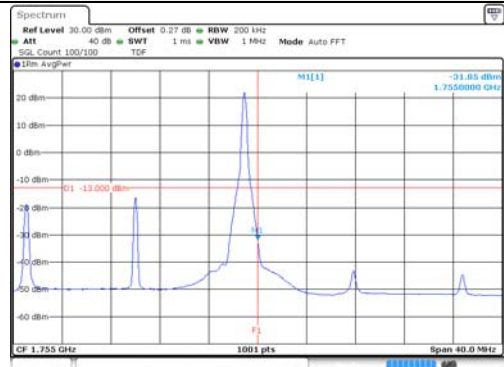
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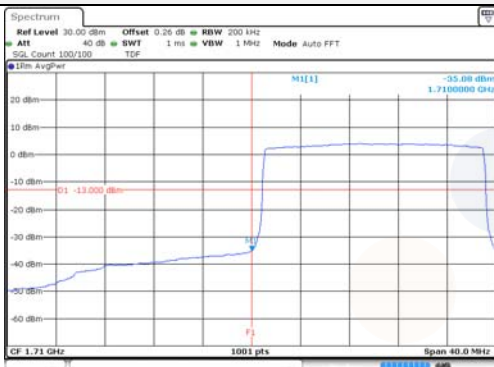
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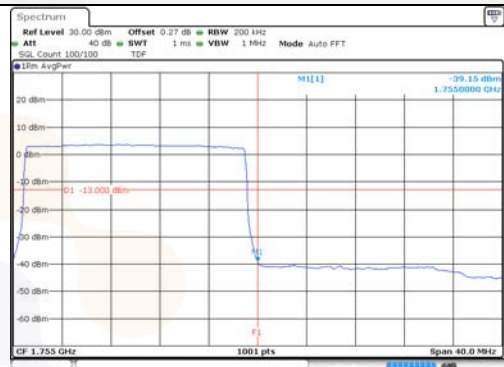
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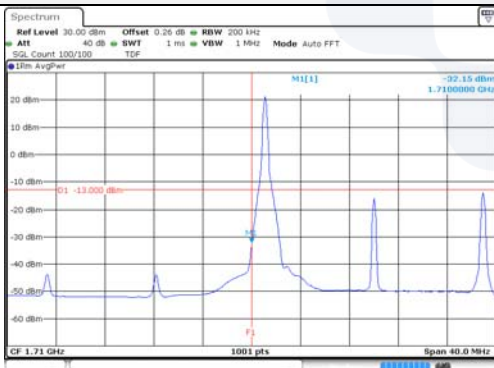
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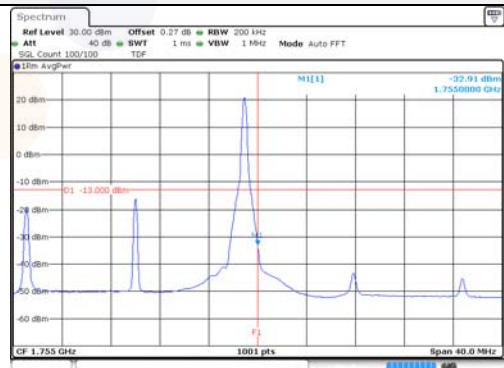
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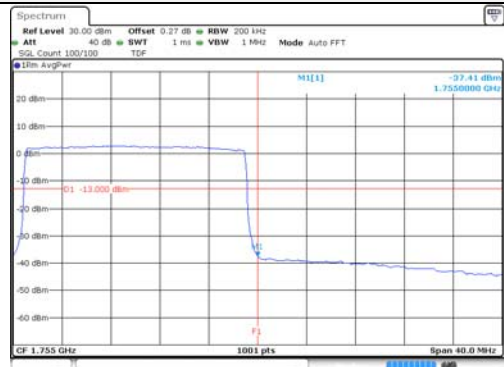
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20M BW 16QAM Low ch. FRB



20M BW 16QAM High ch. FRB



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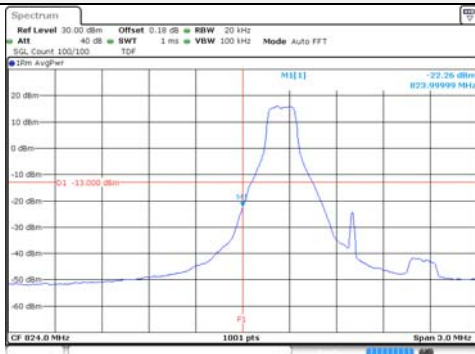
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Test mode: LTE Band 5

1.4M BW QPSK Low ch. 1RB



1.4M BW QPSK High ch. 1RB



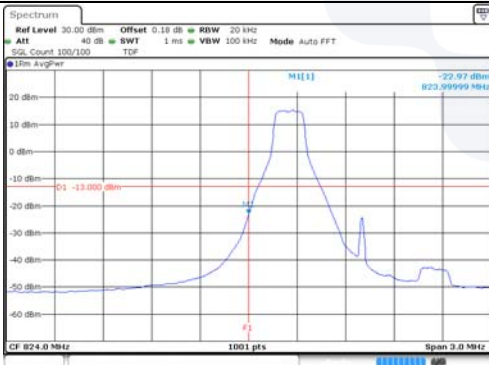
1.4M BW QPSK Low ch. FRB



1.4M BW QPSK High ch. FRB



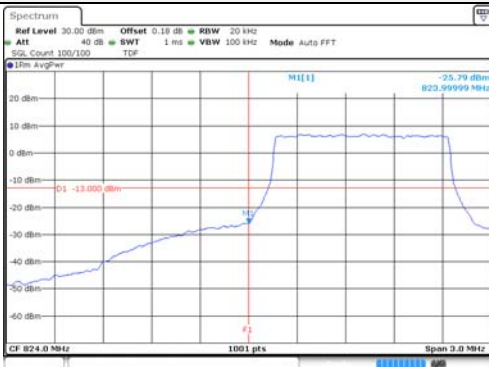
1.4M BW 16QAM Low ch. 1RB



1.4M BW 16QAM High ch. 1RB



1.4M BW 16QAM Low ch. FRB



1.4M BW 16QAM High ch. FRB



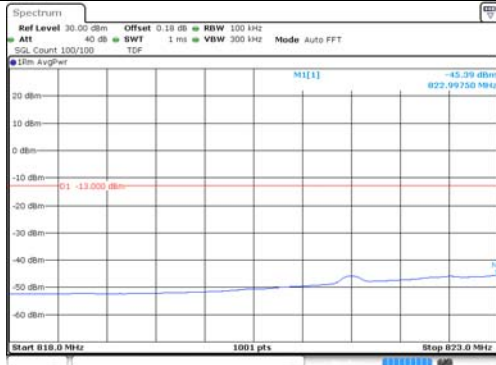
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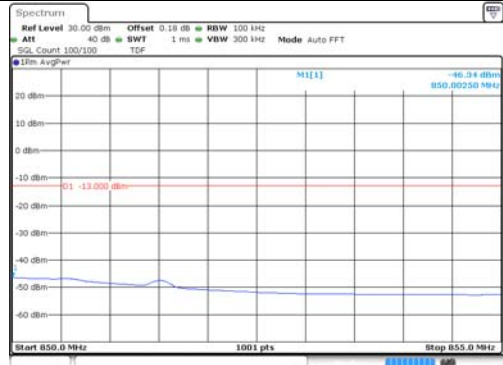
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1.4M BW QPSK Lower extended 1RB



1.4M BW QPSK Upper extended 1RB



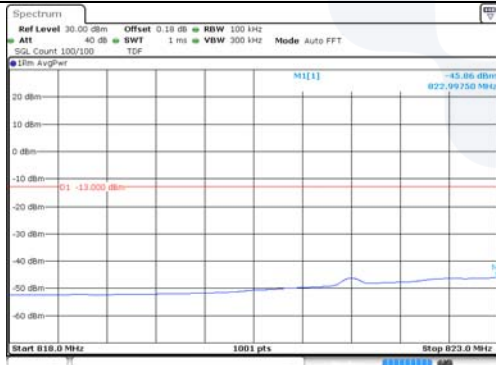
1.4M BW QPSK Lower extended FRB



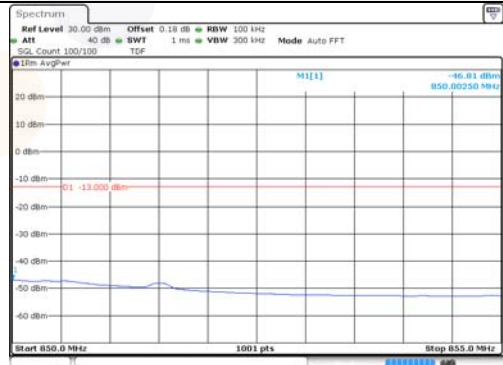
1.4M BW QPSK Upper extended FRB



1.4M BW 16QAM Lower extended 1RB



1.4M BW 16QAM Upper extended 1RB



1.4M BW 16QAM Lower extended FRB



1.4M BW 16QAM Upper extended FRB



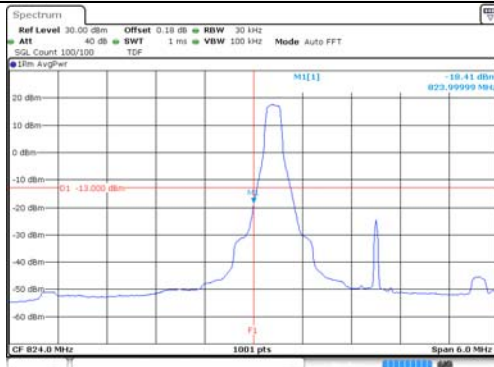
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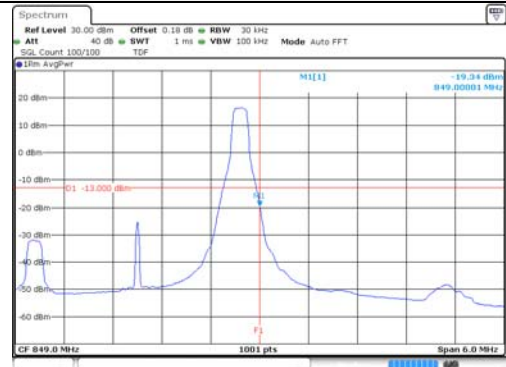
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3M BW QPSK Low ch. 1RB



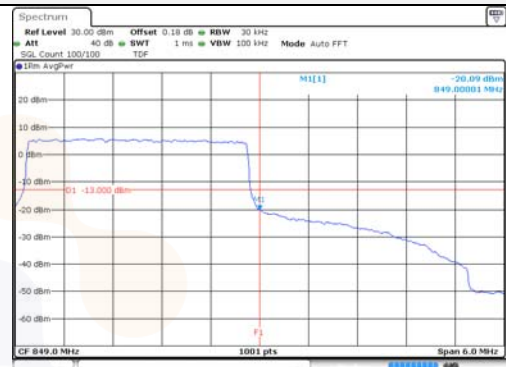
3M BW QPSK High ch. 1RB



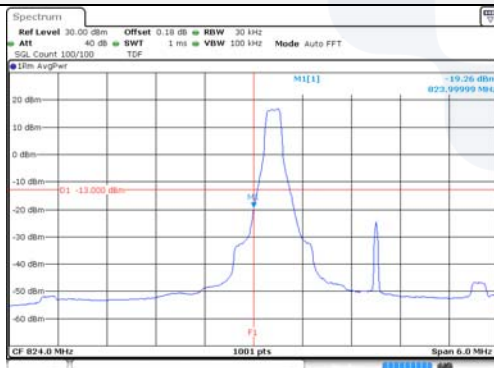
3M BW QPSK Low ch. FRB



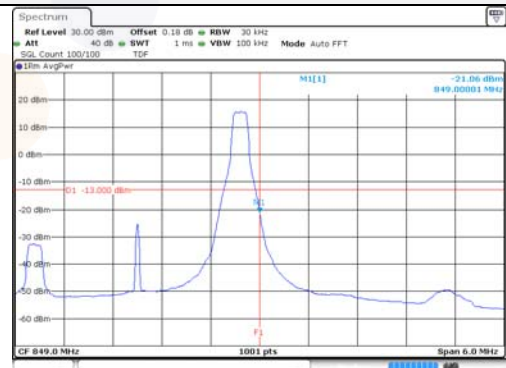
3M BW QPSK High ch. FRB



3M BW 16QAM Low ch. 1RB



3M BW 16QAM High ch. 1RB



3M BW 16QAM Low ch. FRB



3M BW 16QAM High ch. FRB



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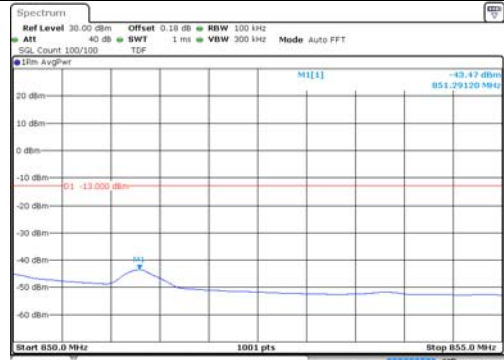
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3M BW QPSK Lower extended 1RB



3M BW QPSK Upper extended 1RB



3M BW QPSK Lower extended FRB



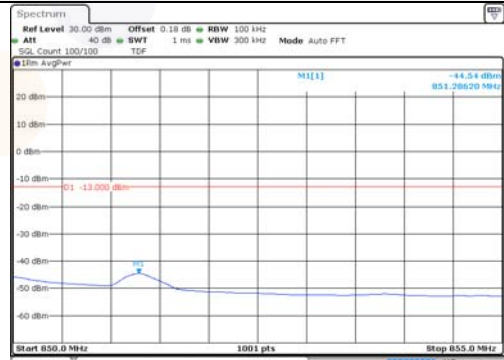
3M BW QPSK Upper extended FRB



3M BW 16QAM Lower extended 1RB



3M BW 16QAM Upper extended 1RB



3M BW 16QAM Lower extended FRB



3M BW 16QAM Upper extended FRB



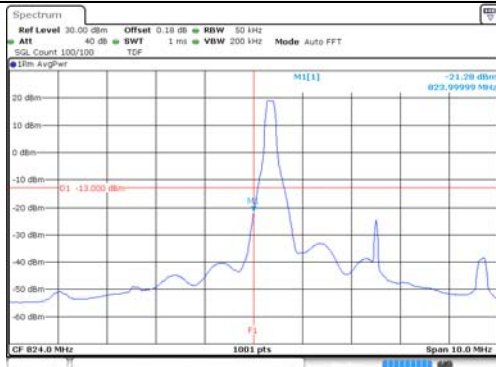
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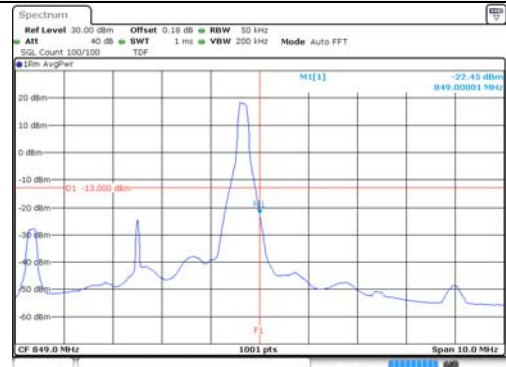
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5M BW QPSK Low ch. 1RB



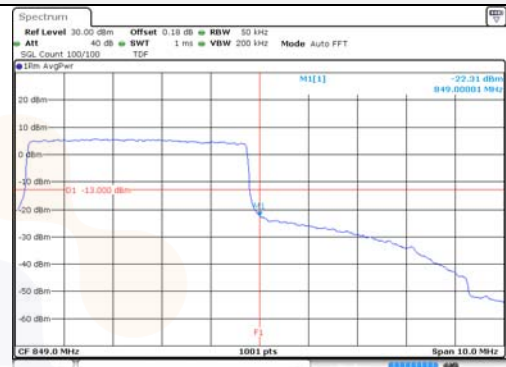
5M BW QPSK High ch. 1RB



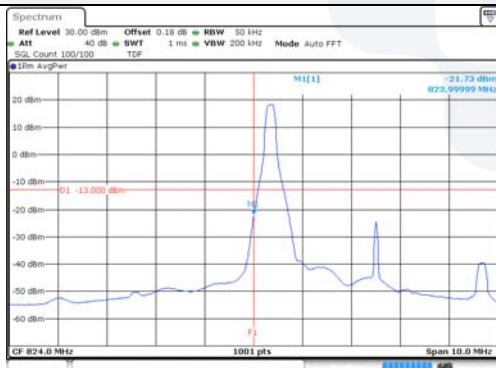
5M BW QPSK Low ch. FRB



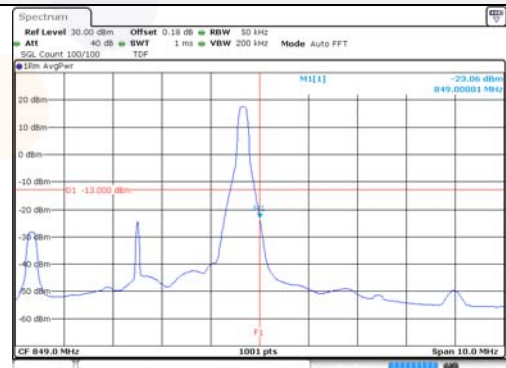
5M BW QPSK High ch. FRB



5M BW 16QAM Low ch. 1RB



5M BW 16QAM High ch. 1RB



5M BW 16QAM Low ch. FRB



5M BW 16QAM High ch. FRB



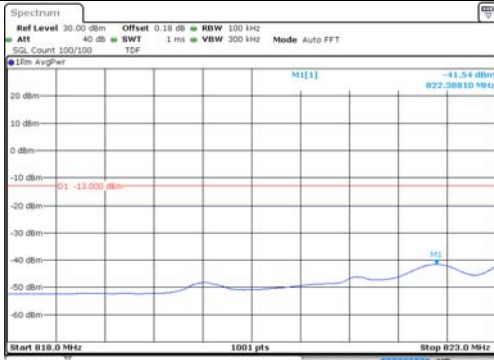
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5M BW QPSK Lower extended 1RB



5M BW QPSK Upper extended 1RB



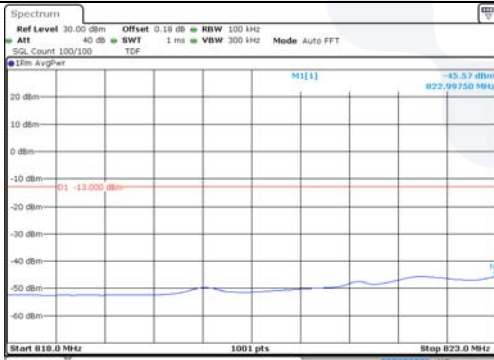
5M BW QPSK Lower extended FRB



5M BW QPSK Upper extended FRB



5M BW 16QAM Lower extended 1RB



5M BW 16QAM Upper extended 1RB



5M BW 16QAM Lower extended FRB



5M BW 16QAM Upper extended FRB



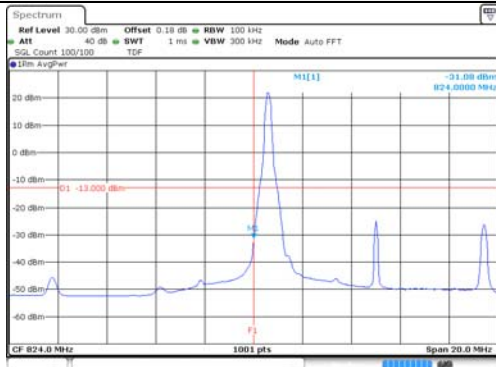
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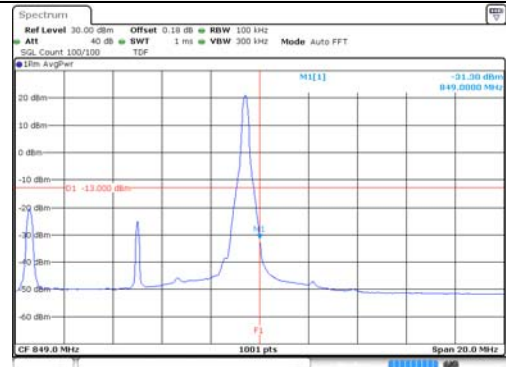
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10M BW QPSK Low ch. 1RB



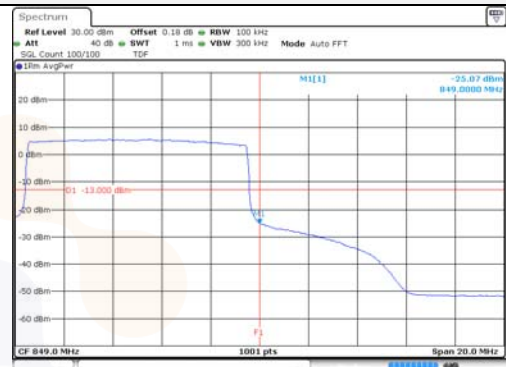
10M BW QPSK High ch. 1RB



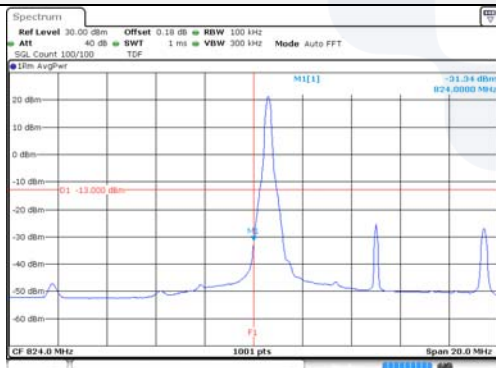
10M BW QPSK Low ch. FRB



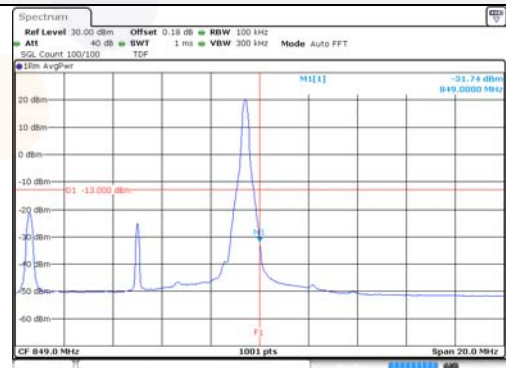
10M BW QPSK High ch. FRB



10M BW 16QAM Low ch. 1RB



10M BW 16QAM High ch. 1RB



10M BW 16QAM Low ch. FRB



10M BW 16QAM High ch. FRB



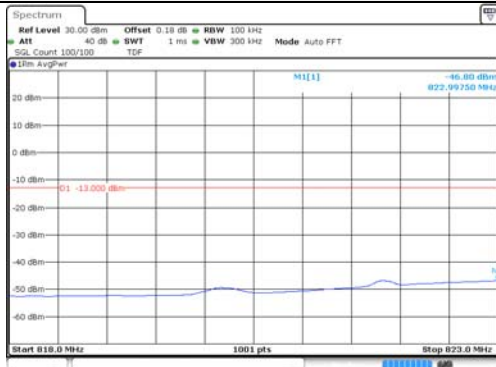
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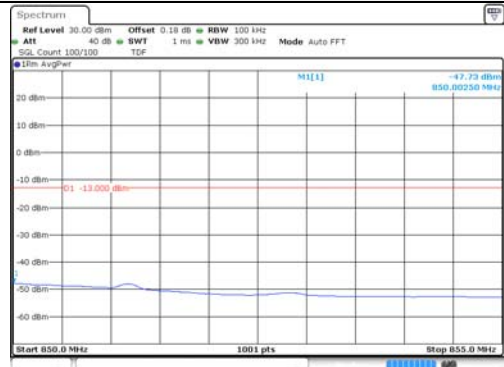
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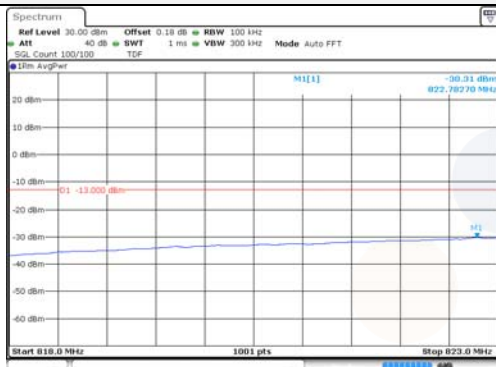
10M BW QPSK Lower extended 1RB



10M BW QPSK Upper extended 1RB



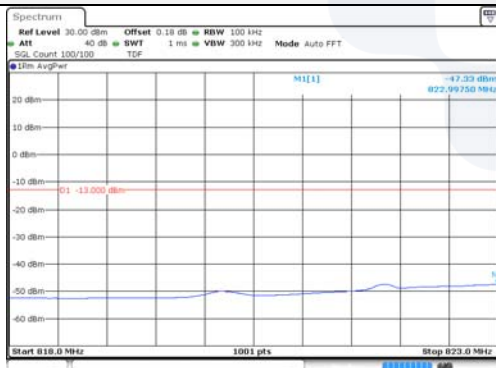
10M BW QPSK Lower extended FRB



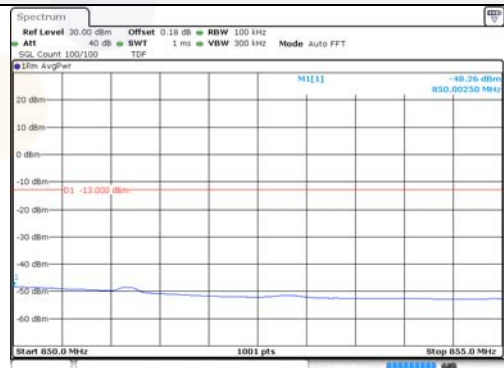
10M BW QPSK Upper extended FRB



10M BW 16QAM Lower extended 1RB



10M BW 16QAM Upper extended 1RB



10M BW 16QAM Lower extended FRB



10M BW 16QAM Upper extended FRB



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Test mode: LTE Band 12

1.4M BW QPSK Low ch. 1RB



1.4M BW QPSK High ch. 1RB



1.4M BW QPSK Low ch. FRB



1.4M BW QPSK High ch. FRB



1.4M BW 16QAM Low ch. 1RB



1.4M BW 16QAM High ch. 1RB



1.4M BW 16QAM Low ch. FRB



1.4M BW 16QAM High ch. FRB



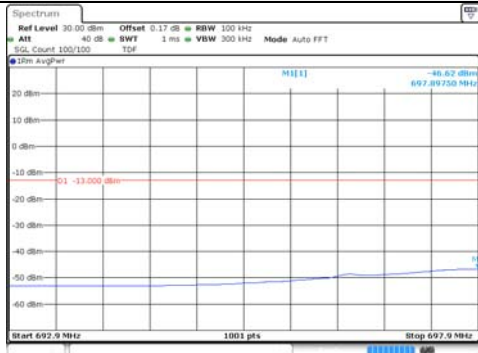
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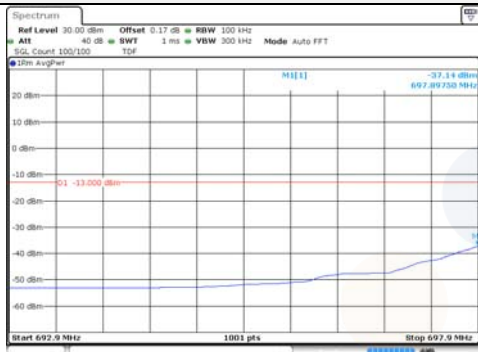
1.4M BW QPSK Lower extended 1RB



1.4M BW QPSK Upper extended 1RB



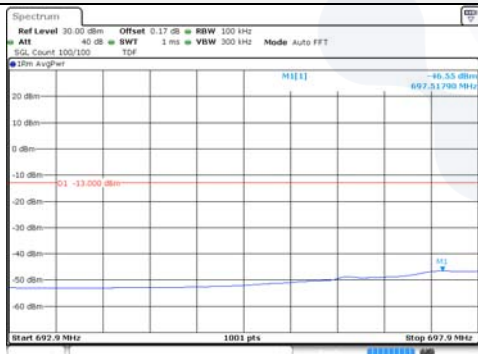
1.4M BW QPSK Lower extended FRB



1.4M BW QPSK Upper extended FRB



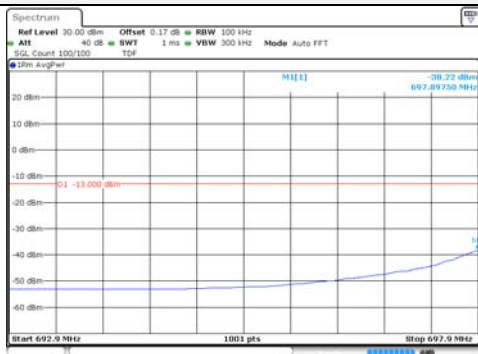
1.4M BW 16QAM Lower extended 1RB



1.4M BW 16QAM Upper extended 1RB



1.4M BW 16QAM Lower extended FRB



1.4M BW 16QAM Upper extended FRB



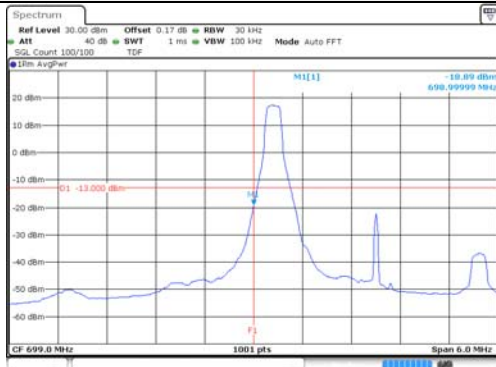
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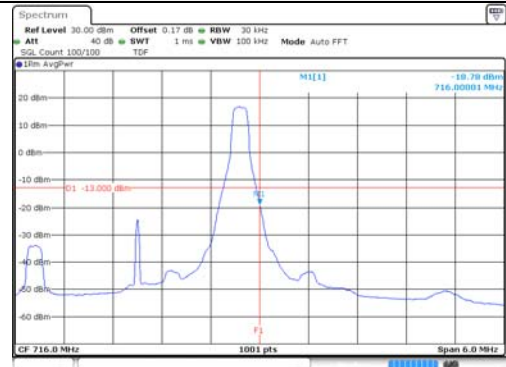
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3M BW QPSK Low ch. 1RB



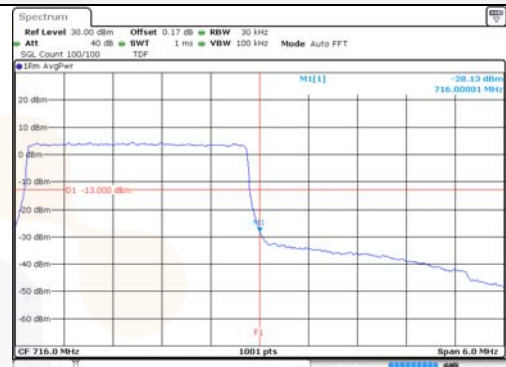
3M BW QPSK High ch. 1RB



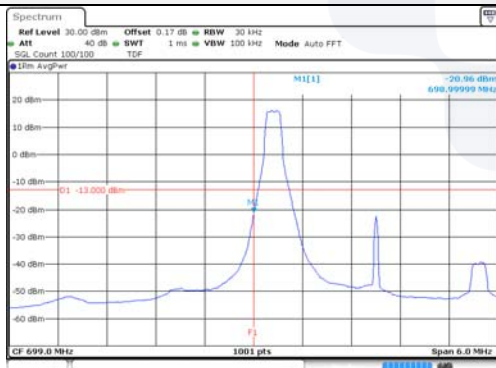
3M BW QPSK Low ch. FRB



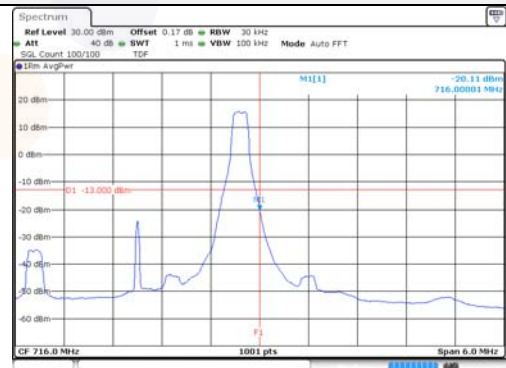
3M BW QPSK High ch. FRB



3M BW 16QAM Low ch. 1RB



3M BW 16QAM High ch. 1RB



3M BW 16QAM Low ch. FRB



3M BW 16QAM High ch. FRB



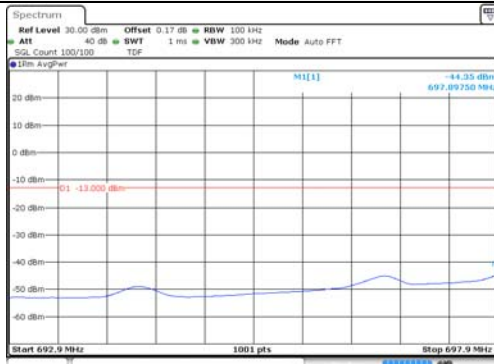
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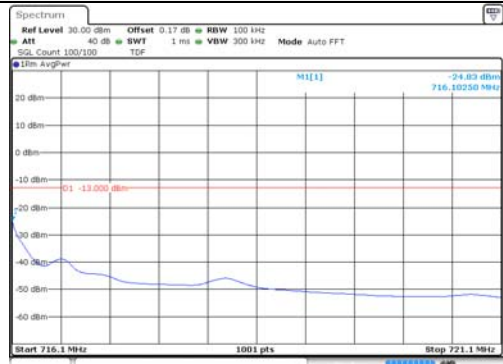
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3M BW QPSK Lower extended 1RB



3M BW QPSK Upper extended 1RB



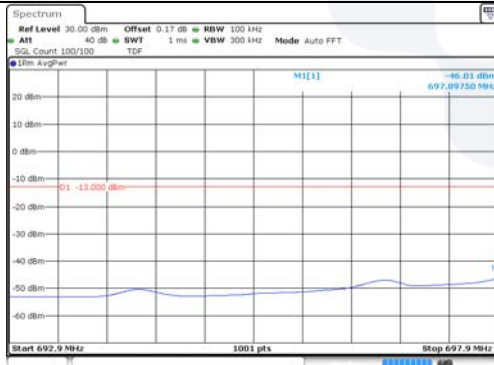
3M BW QPSK Lower extended FRB



3M BW QPSK Upper extended FRB



3M BW 16QAM Lower extended 1RB



3M BW 16QAM Upper extended 1RB



3M BW 16QAM Lower extended FRB



3M BW 16QAM Upper extended FRB



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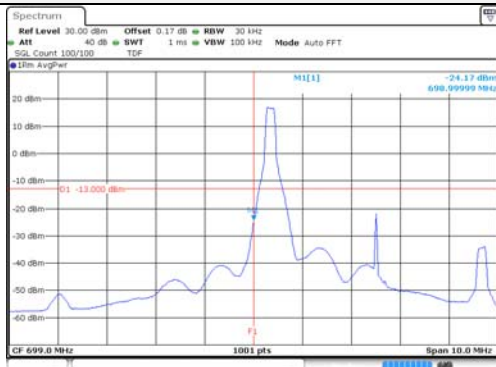
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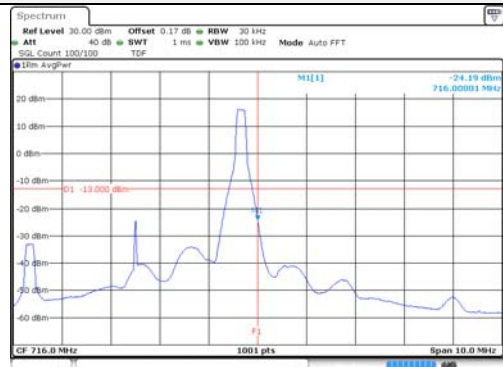


Test mode: LTE Band 12/17

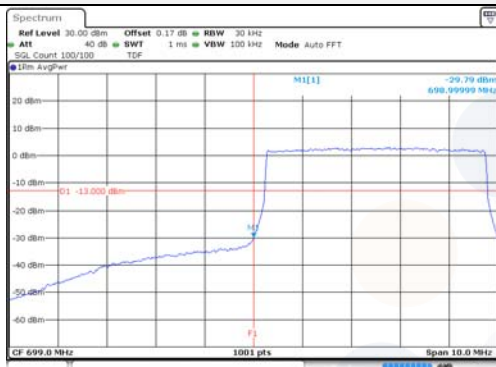
5M BW QPSK Low ch. 1RB



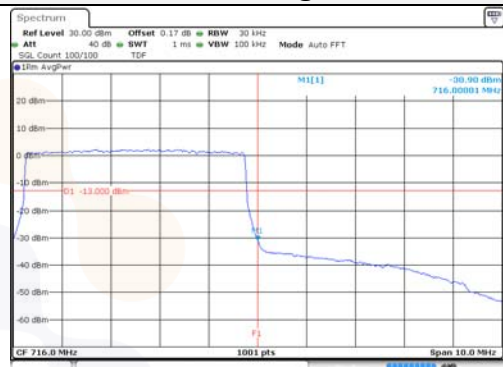
5M BW QPSK High ch. 1RB



5M BW QPSK Low ch. FRB



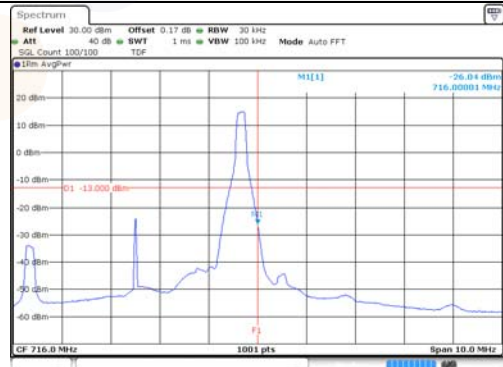
5M BW QPSK High ch. FRB



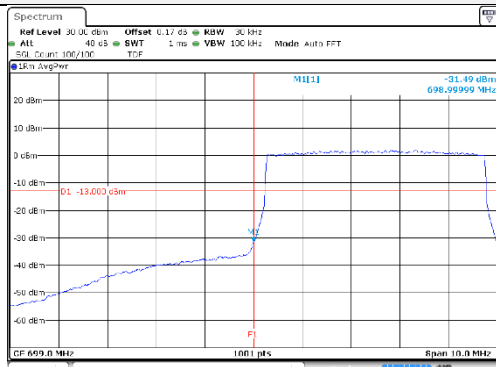
5M BW 16QAM Low ch. 1RB



5M BW 16QAM High ch. 1RB



5M BW 16QAM Low ch. FRB



5M BW 16QAM High ch. FRB



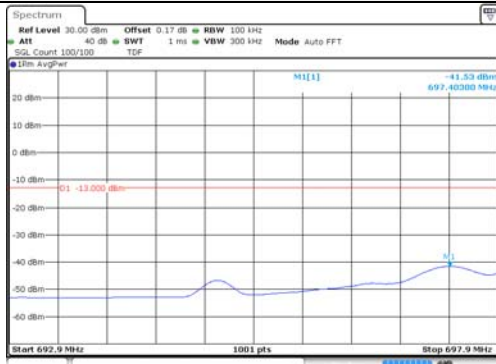
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5M BW QPSK Lower extended 1RB



5M BW QPSK Upper extended 1RB



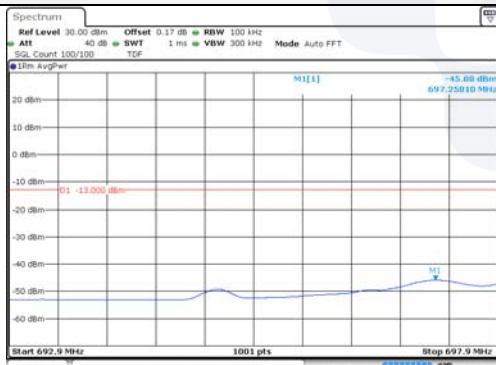
5M BW QPSK Lower extended FRB



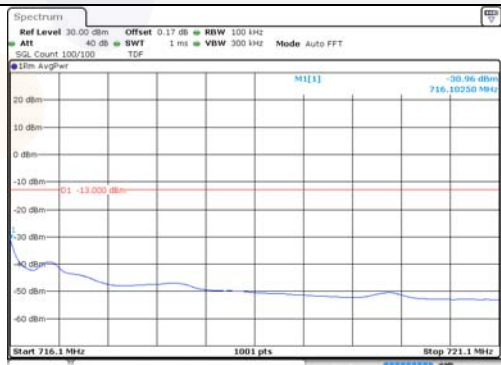
5M BW QPSK Upper extended FRB



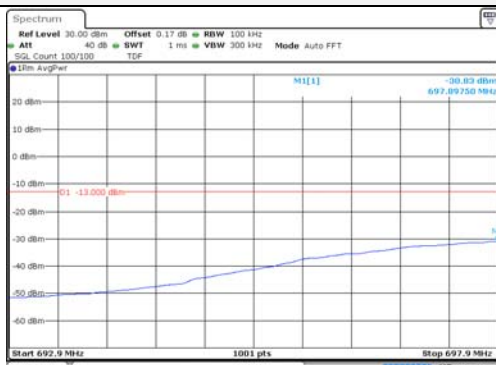
5M BW 16QAM Lower extended 1RB



5M BW 16QAM Upper extended 1RB



5M BW 16QAM Lower extended FRB



5M BW 16QAM Upper extended FRB



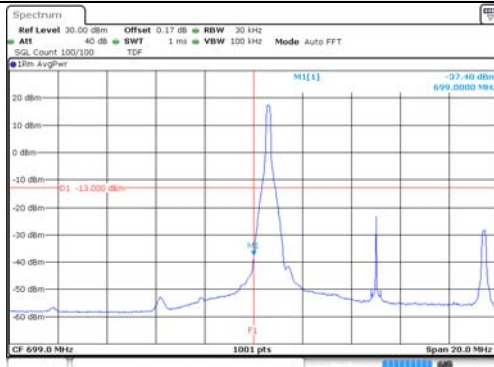
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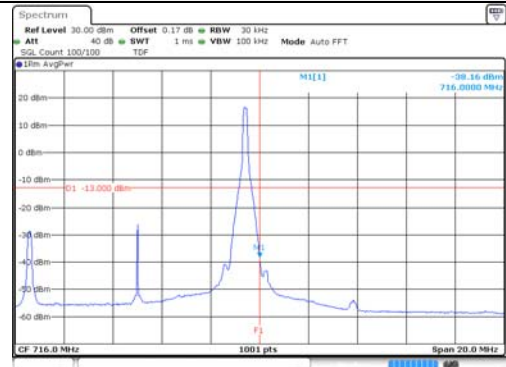
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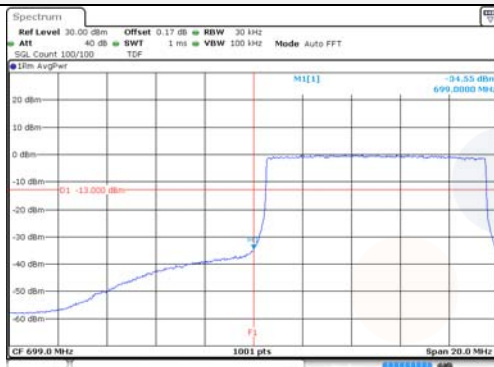
10M BW QPSK Low ch. 1RB



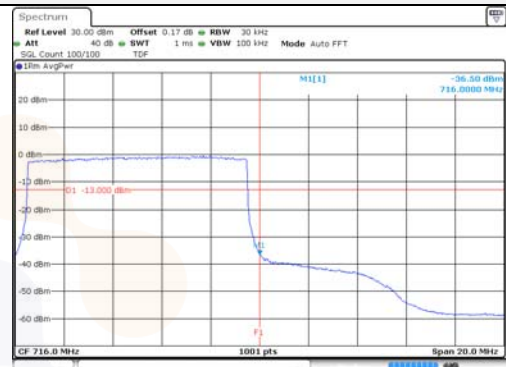
10M BW QPSK High ch. 1RB



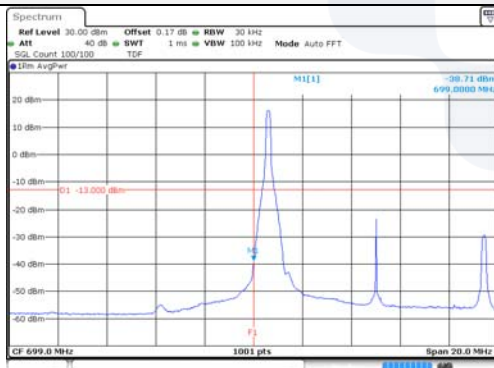
10M BW QPSK Low ch. FRB



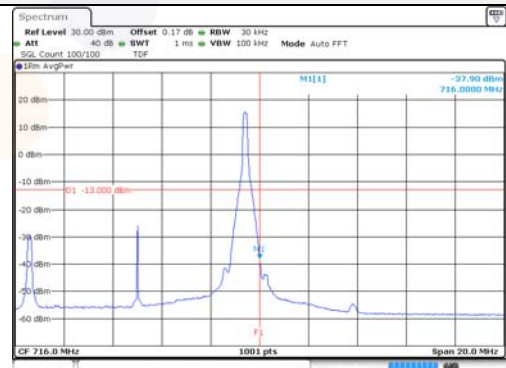
10M BW QPSK High ch. FRB



10M BW 16QAM Low ch. 1RB



10M BW 16QAM High ch. 1RB



10M BW 16QAM Low ch. FRB



10M BW 16QAM High ch. FRB



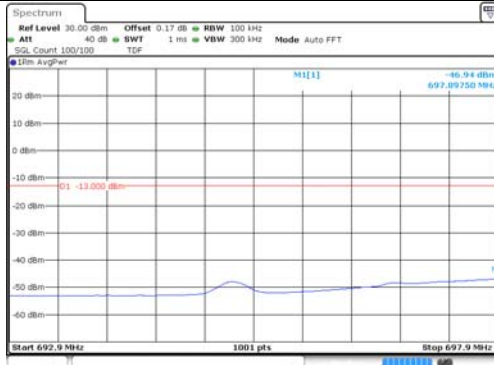
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10M BW QPSK Lower extended 1RB



10M BW QPSK Upper extended 1RB



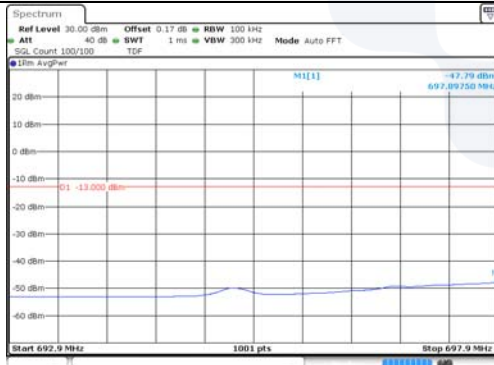
10M BW QPSK Lower extended FRB



10M BW QPSK Upper extended FRB



10M BW 16QAM Lower extended 1RB



10M BW 16QAM Upper extended 1RB



10M BW 16QAM Lower extended FRB



10M BW 16QAM Upper extended FRB



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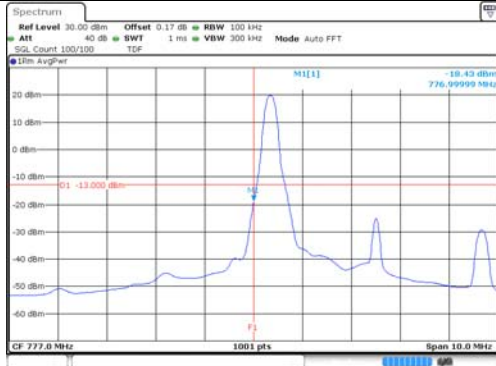
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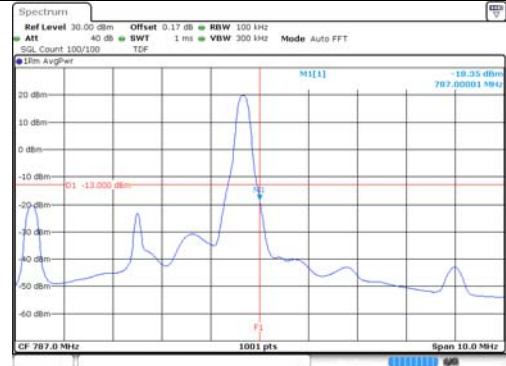


Test mode: LTE Band 13

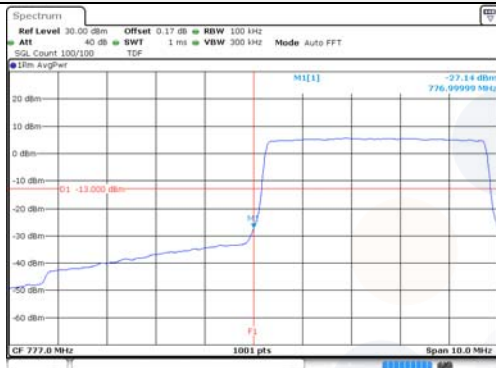
5M BW QPSK Low ch. 1RB



5M BW QPSK High ch. 1RB



5M BW QPSK Low ch. FRB



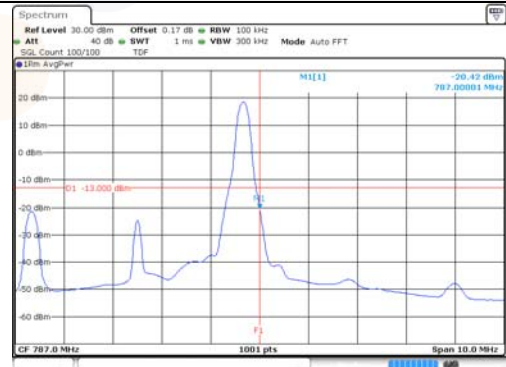
5M BW QPSK High ch. FRB



5M BW 16QAM Low ch. 1RB



5M BW 16QAM High ch. 1RB



5M BW 16QAM Low ch. FRB



5M BW 16QAM High ch. FRB



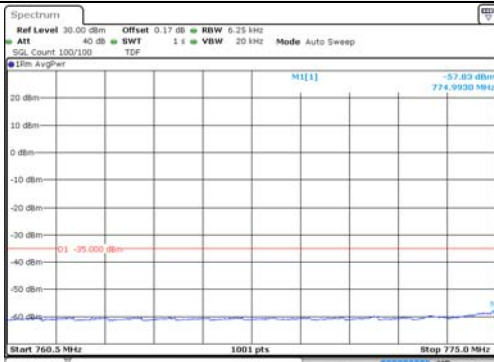
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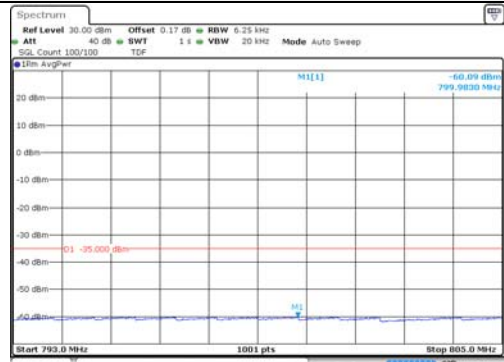
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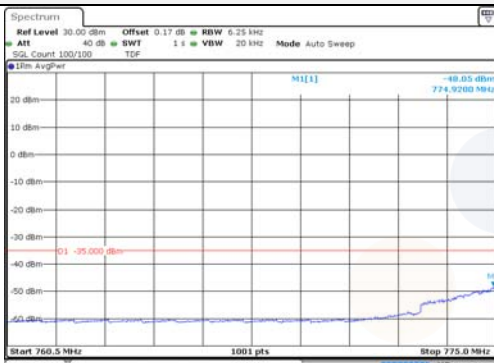
5M BW QPSK Lower extended 1RB



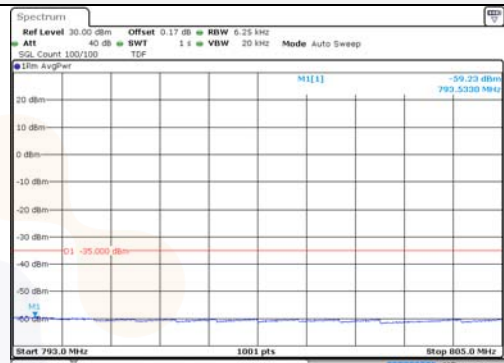
5M BW QPSK Upper extended 1RB



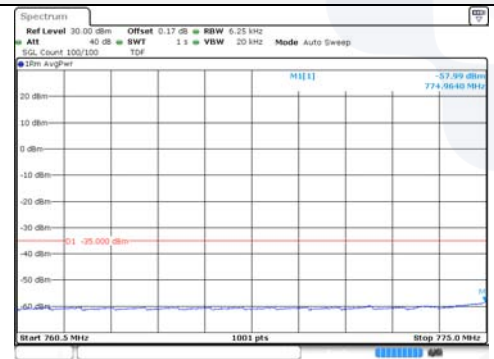
5M BW QPSK Lower extended FRB



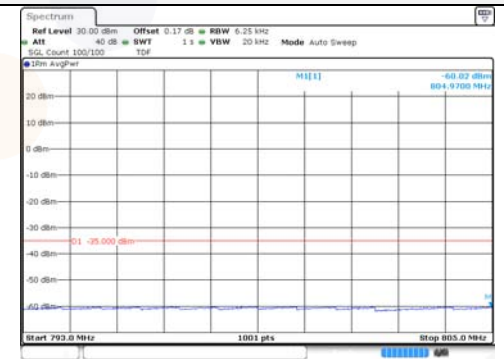
5M BW QPSK Upper extended FRB



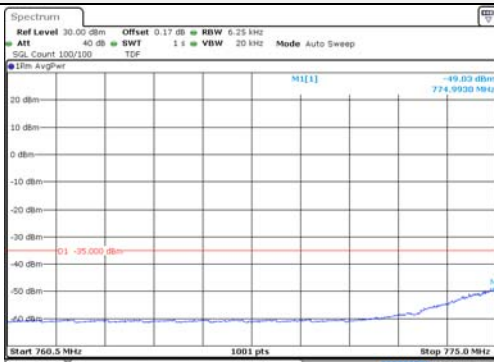
5M BW 16QAM Lower extended 1RB



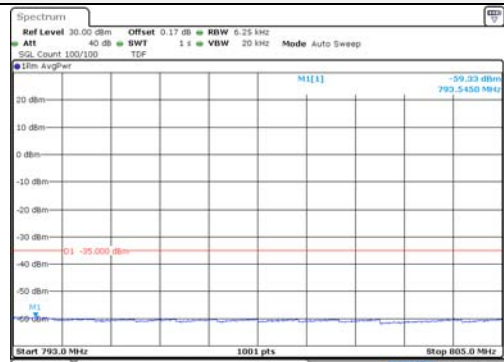
5M BW 16QAM Upper extended 1RB



5M BW 16QAM Lower extended FRB



5M BW 16QAM Upper extended FRB



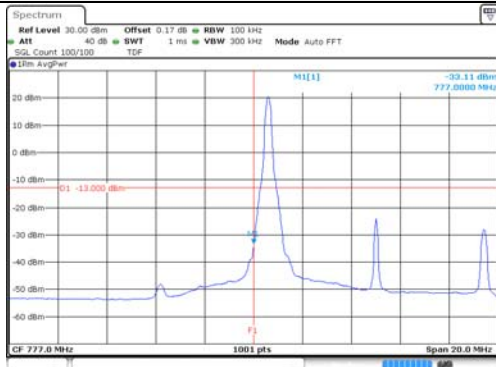
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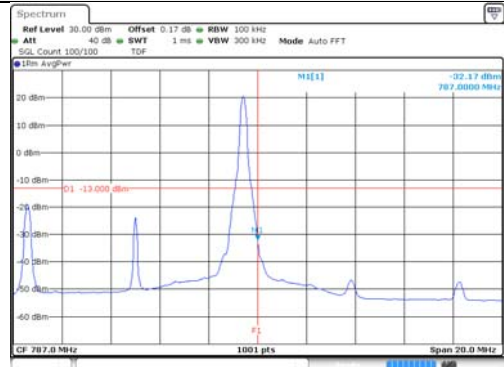
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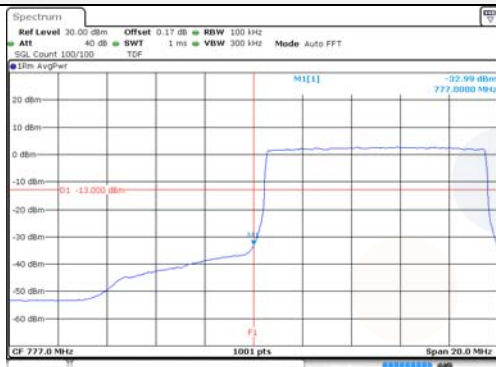
10M BW QPSK Lower 1RB



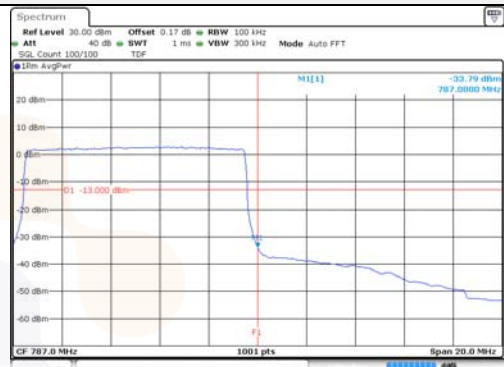
10M BW QPSK Upper 1RB



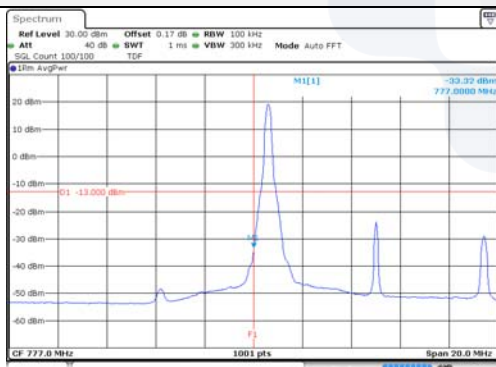
10M BW QPSK Lower FRB



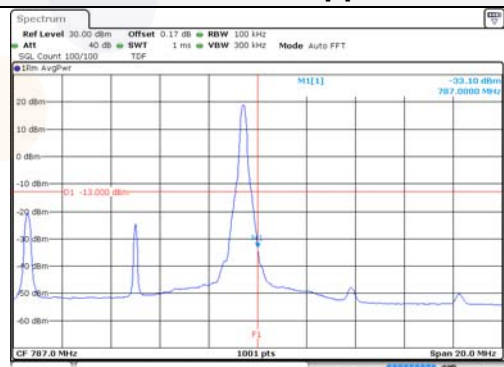
10M BW QPSK Upper FRB



10M BW 16QAM Lower 1RB



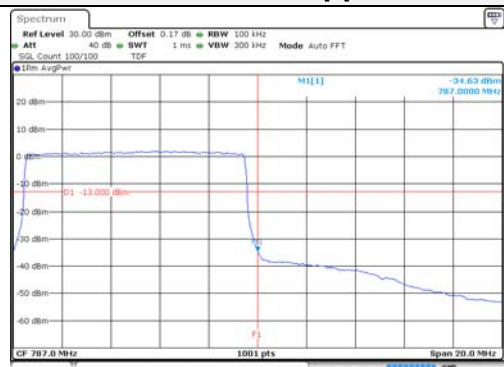
10M BW 16QAM Upper 1RB



10M BW 16QAM Lower FRB



10M BW 16QAM Upper FRB



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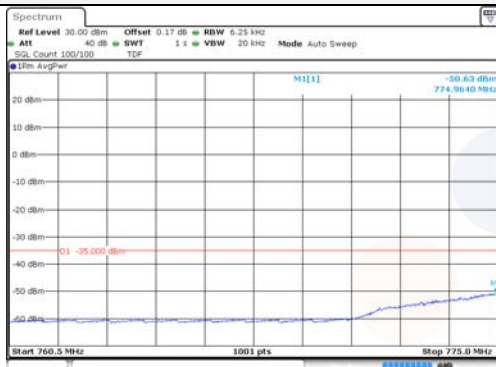
10M BW QPSK Lower extended 1RB



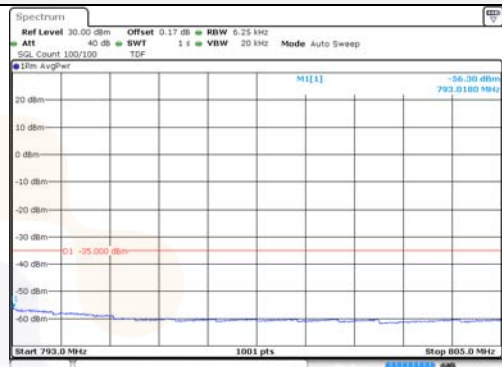
10M BW QPSK Upper extended 1RB



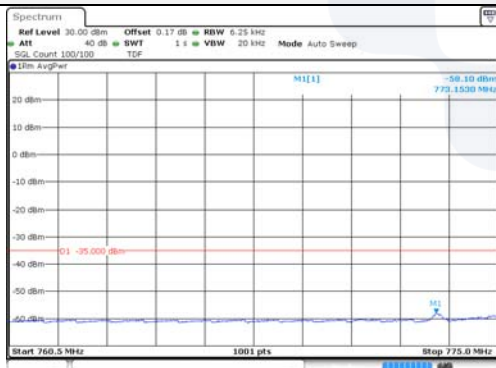
10M BW QPSK Lower extended FRB



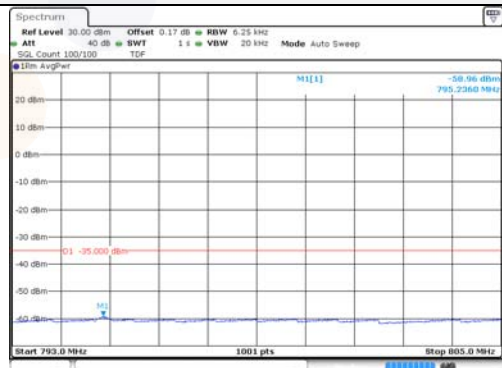
10M BW QPSK Upper extended FRB



10M BW 16QAM Lower extended 1RB



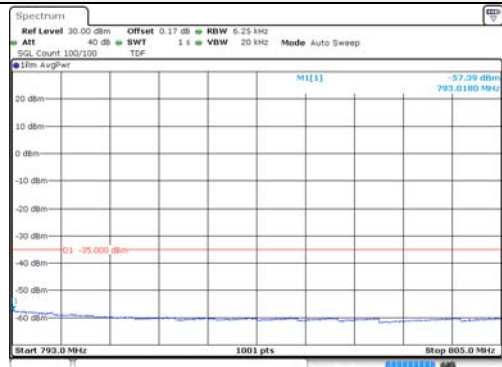
10M BW 16QAM Upper extended 1RB



10M BW 16QAM Lower extended FRB



10M BW 16QAM Upper extended FRB



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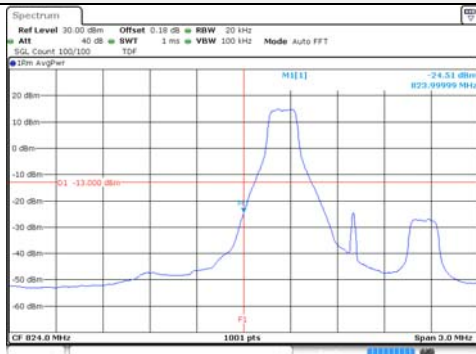
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Test mode: LTE Band 26

1.4M BW QPSK Low ch. 1RB



1.4M BW QPSK High ch. 1RB



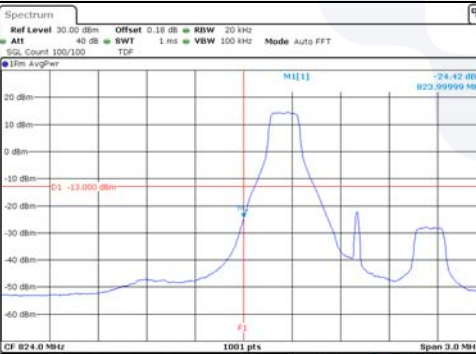
1.4M BW QPSK Low ch. FRB



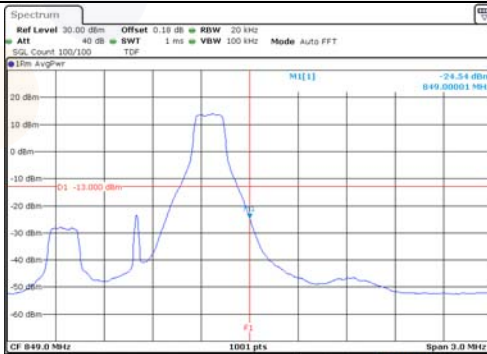
1.4M BW QPSK High ch. FRB



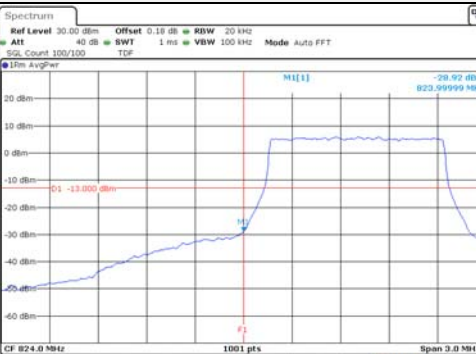
1.4M BW 16QAM Low ch. 1RB



1.4M BW 16QAM High ch. 1RB



1.4M BW 16QAM Low ch. FRB



1.4M BW 16QAM High ch. FRB



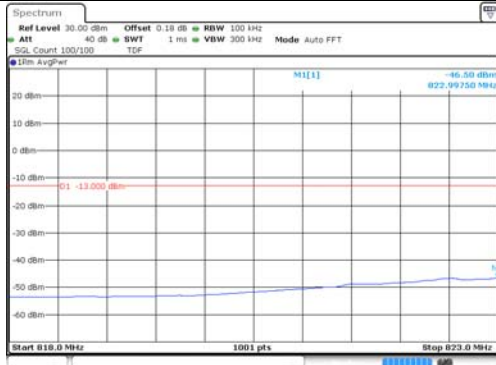
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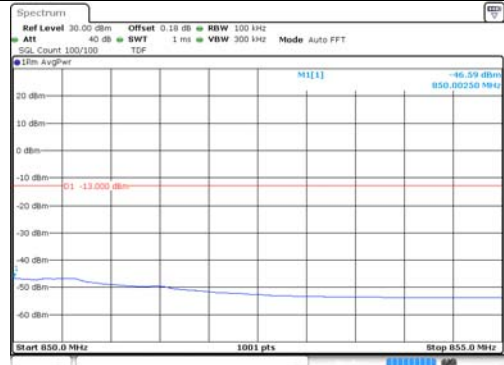
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1.4M BW QPSK Lower extended 1RB



1.4M BW QPSK Upper extended 1RB



1.4M BW QPSK Lower extended FRB



1.4M BW QPSK Upper extended FRB



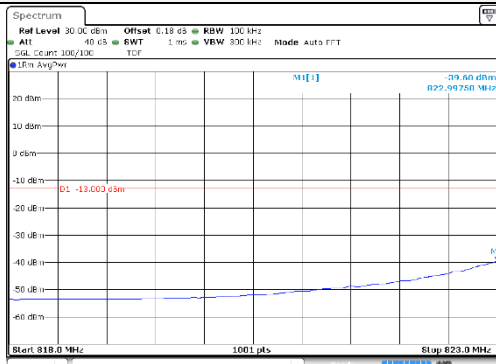
1.4M BW 16QAM Lower extended 1RB



1.4M BW 16QAM Upper extended 1RB



1.4M BW 16QAM Lower extended FRB



1.4M BW 16QAM Upper extended FRB



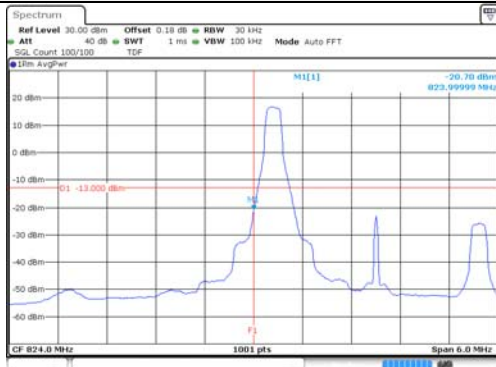
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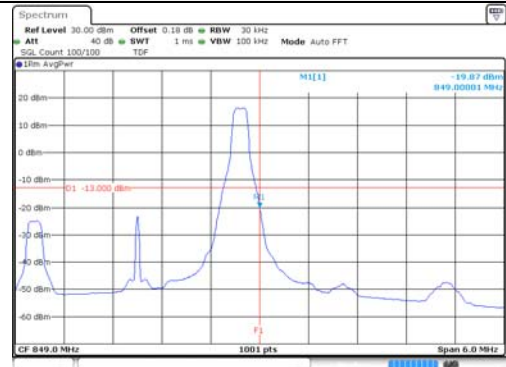
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3M BW QPSK Low ch. 1RB



3M BW QPSK High ch. 1RB



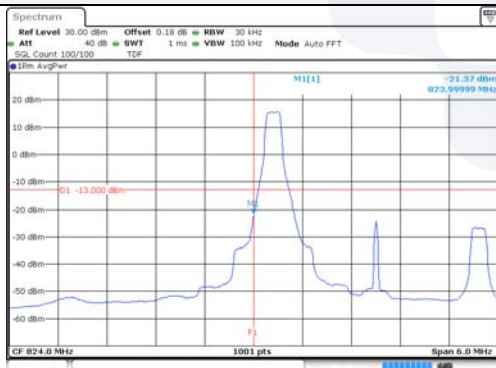
3M BW QPSK Low ch. FRB



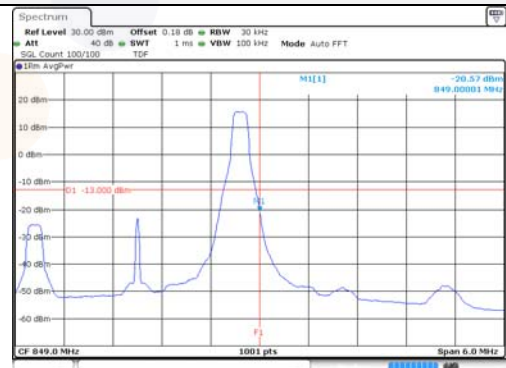
3M BW QPSK High ch. FRB



3M BW 16QAM Low ch. 1RB



3M BW 16QAM High ch. 1RB



3M BW 16QAM Low ch. FRB



3M BW 16QAM High ch. FRB



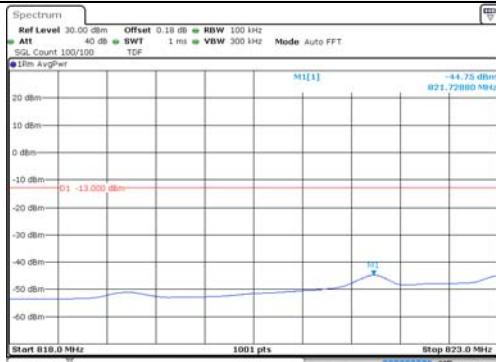
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Suwon-si, Gyeonggi-do, 16677, Korea
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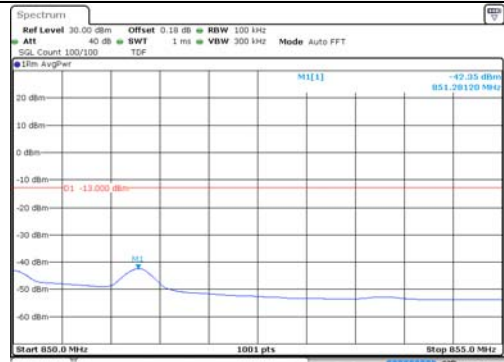
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3M BW QPSK Lower extended 1RB



3M BW QPSK Upper extended 1RB



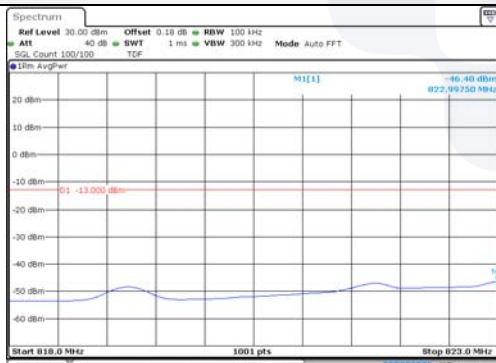
3M BW QPSK Lower extended FRB



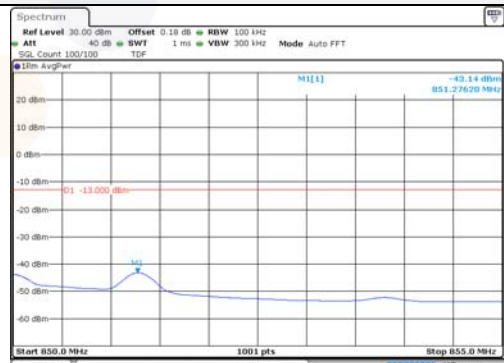
3M BW QPSK Upper extended FRB



3M BW 16QAM Lower extended 1RB



3M BW 16QAM Upper extended 1RB



3M BW 16QAM Lower extended FRB



3M BW 16QAM Upper extended FRB



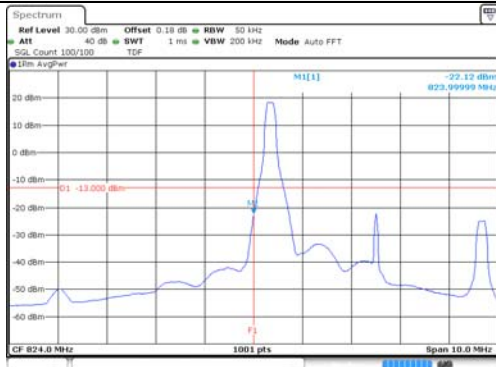
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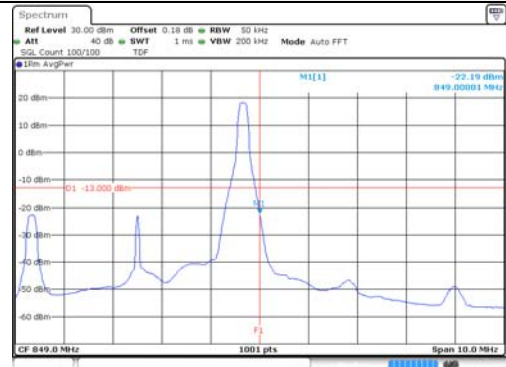
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5M BW QPSK Low ch. 1RB



5M BW QPSK High ch. 1RB



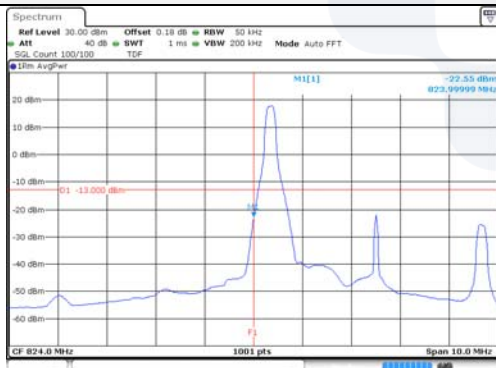
5M BW QPSK Low ch. FRB



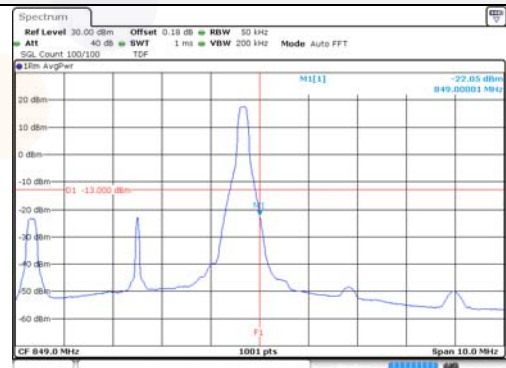
5M BW QPSK High ch. FRB



5M BW 16QAM Low ch. 1RB



5M BW 16QAM High ch. 1RB



5M BW 16QAM Low ch. FRB



5M BW 16QAM High ch. FRB

