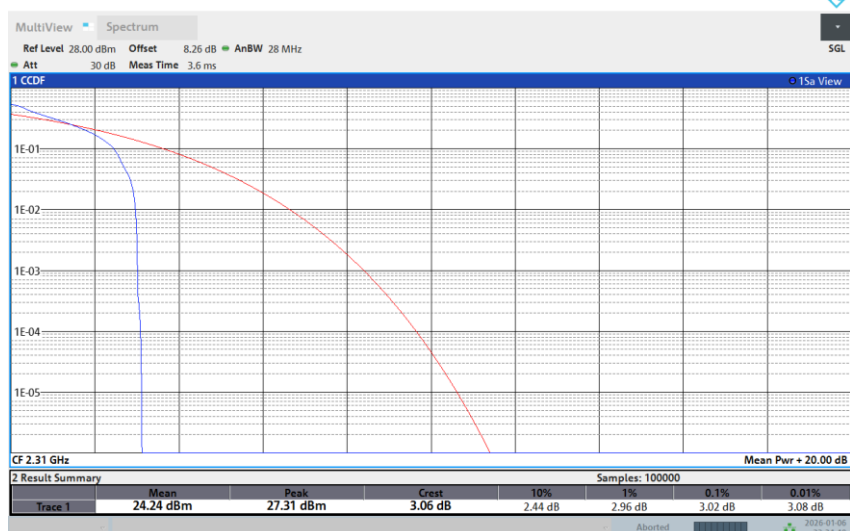
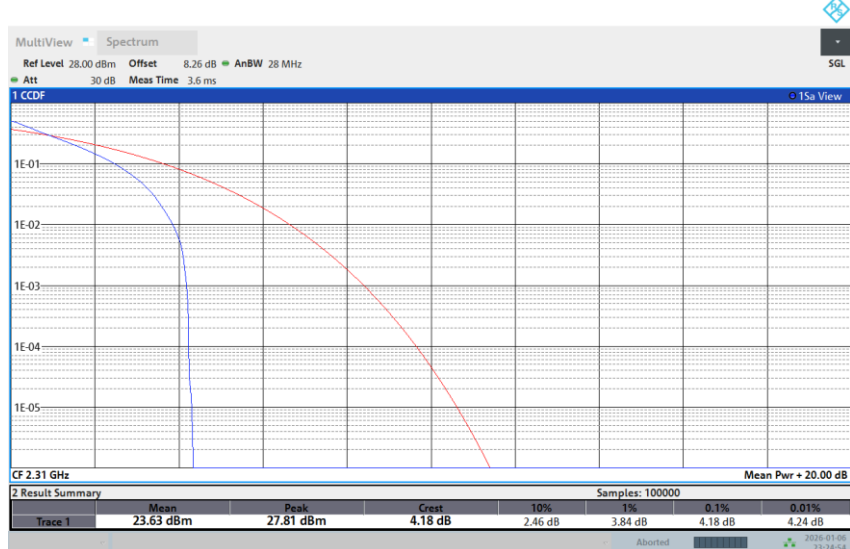
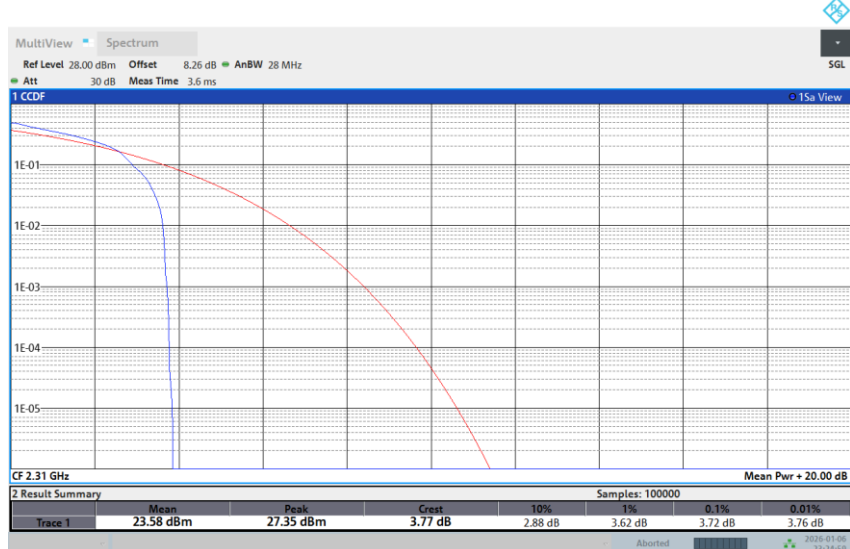




Band 30-10M-MID-QPSK-Full RB



Band 30-10M-MID-16QAM-1RB Low

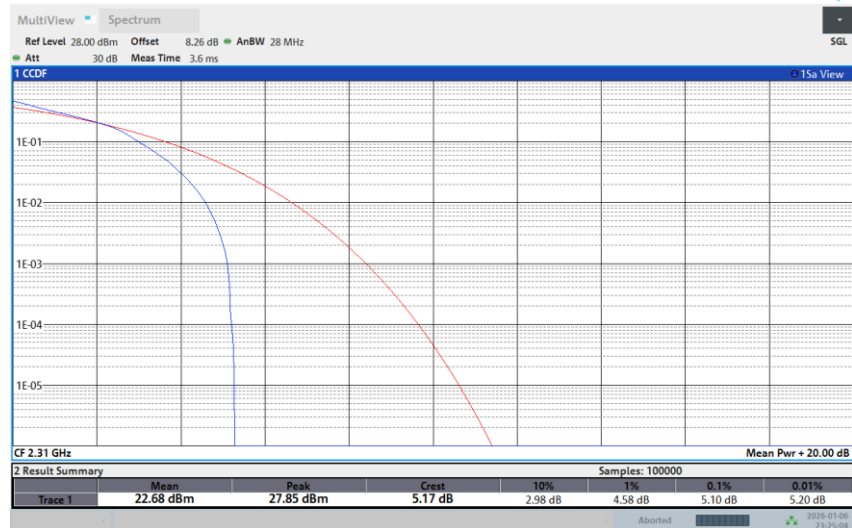


Band 30-10M-MID-16QAM-Full RB

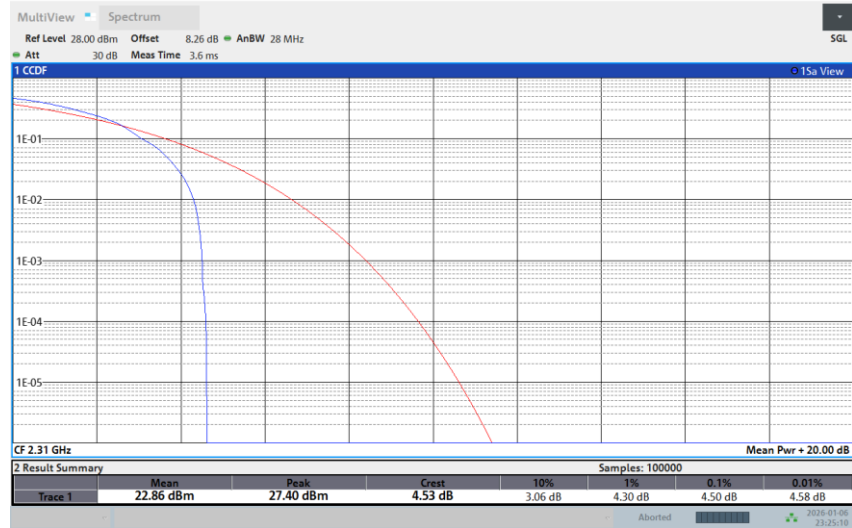
BOOMWAVE TEST (SHENZHEN)
CO., LTD.

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan
4th Road, Chiwan Community, Zhaoshang Street,
Nanshan District, Shenzhen, Guangdong, P.R. CHINA

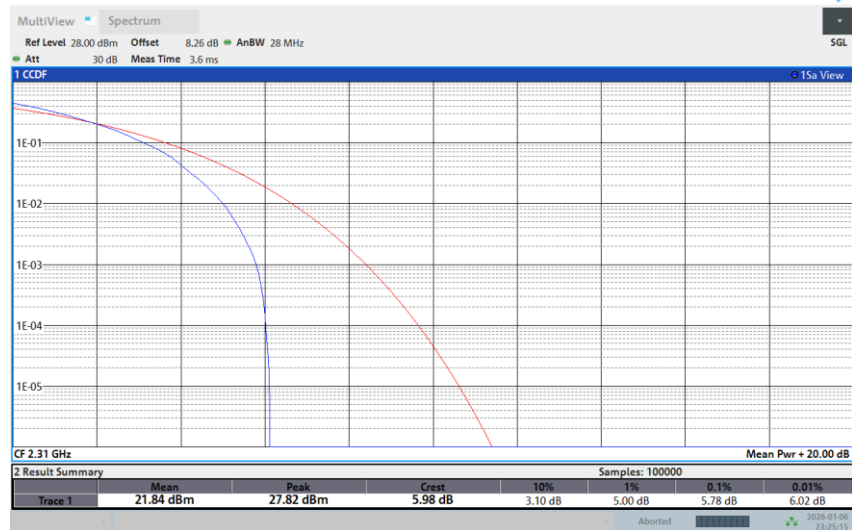
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



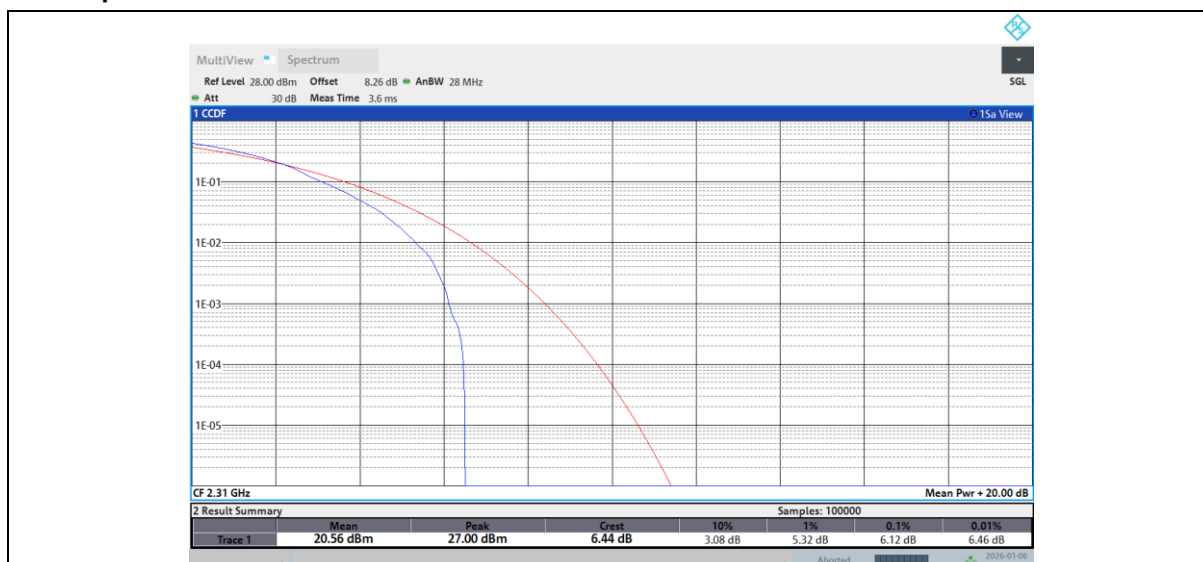
Band 30-10M-MID-64QAM-1RB Low



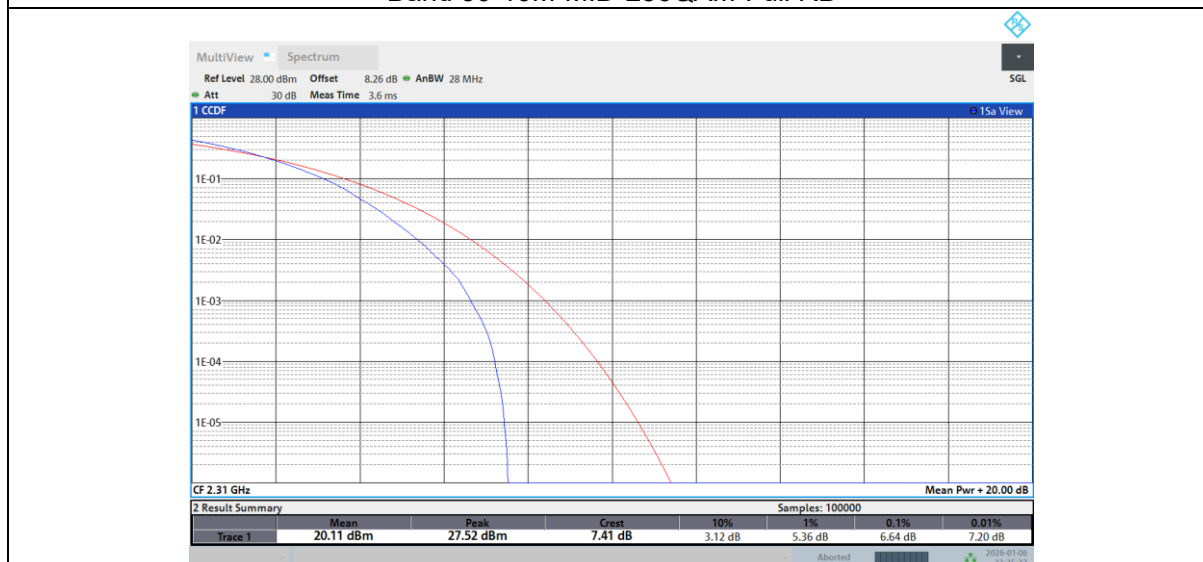
Band 30-10M-MID-64QAM-Full RB



Band 30-10M-MID-256QAM-1RB Low



Band 30-10M-MID-256QAM-Full RB



26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

LTE band 30(99%)

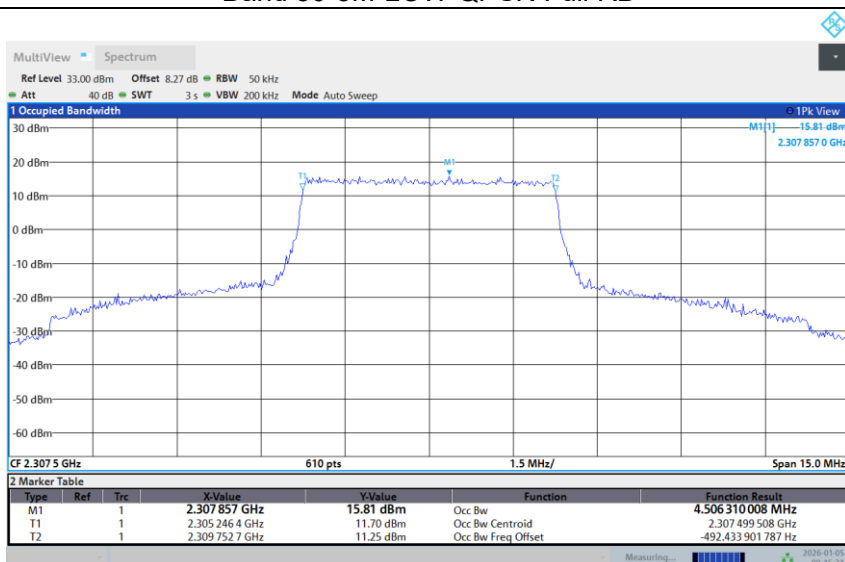
Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth(MHz)	Verdict
5MHz	QPSK	27685	Full RB	4.506	PASS
5MHz	16QAM	27685	Full RB	4.505	PASS
5MHz	64QAM	27685	Full RB	4.500	PASS
5MHz	256QAM	27685	Full RB	4.502	PASS
5MHz	QPSK	27710	Full RB	4.499	PASS
5MHz	16QAM	27710	Full RB	4.493	PASS
5MHz	64QAM	27710	Full RB	4.501	PASS
5MHz	256QAM	27710	Full RB	4.499	PASS
5MHz	QPSK	27735	Full RB	4.498	PASS
5MHz	16QAM	27735	Full RB	4.501	PASS

Test Report No.: RF260714B008

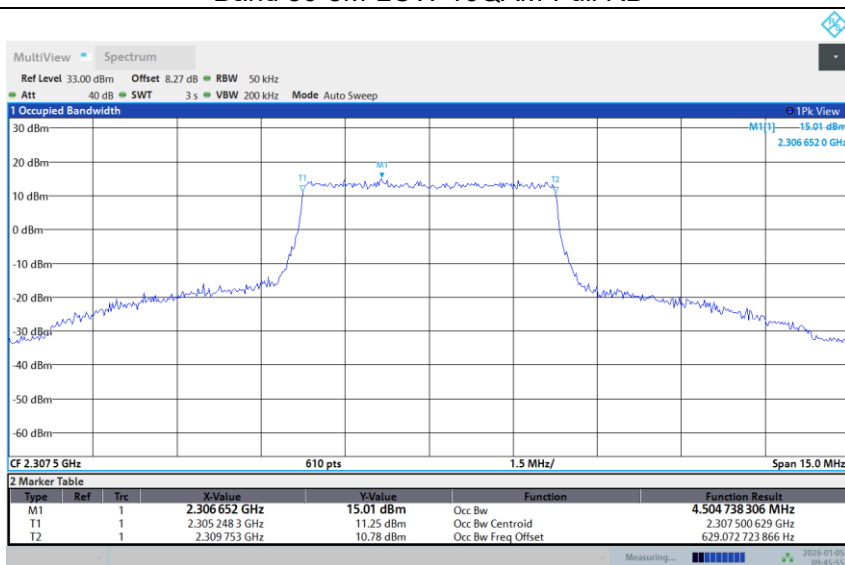
5MHz	64QAM	27735	Full RB	4.495	PASS
5MHz	256QAM	27735	Full RB	4.497	PASS
10MHz	QPSK	27710	Full RB	8.989	PASS
10MHz	16QAM	27710	Full RB	9.003	PASS
10MHz	64QAM	27710	Full RB	8.984	PASS
10MHz	256QAM	27710	Full RB	8.975	PASS

Test Graphs

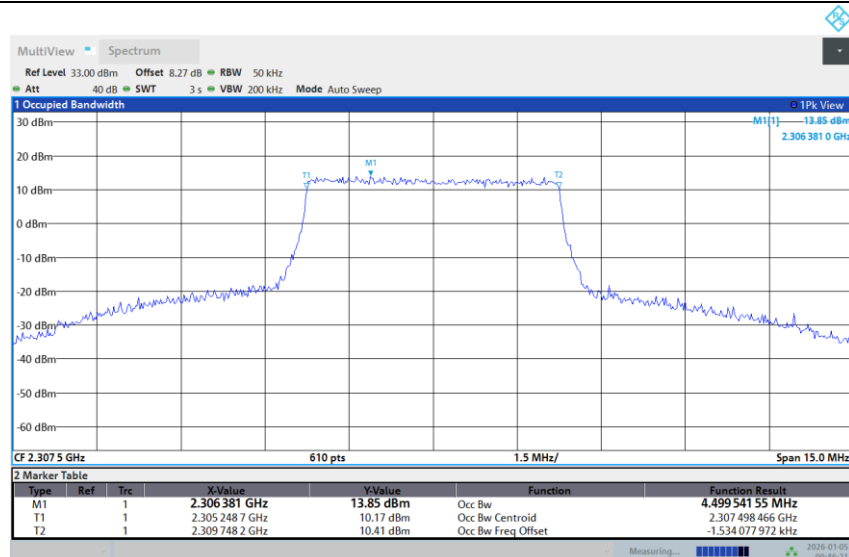
Band 30-5M-LOW-QPSK-Full RB



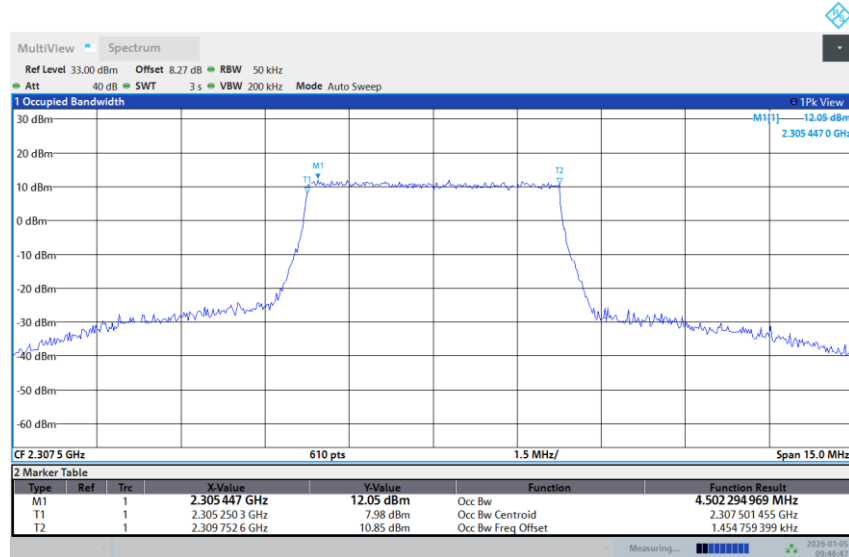
Band 30-5M-LOW-16QAM-Full RB



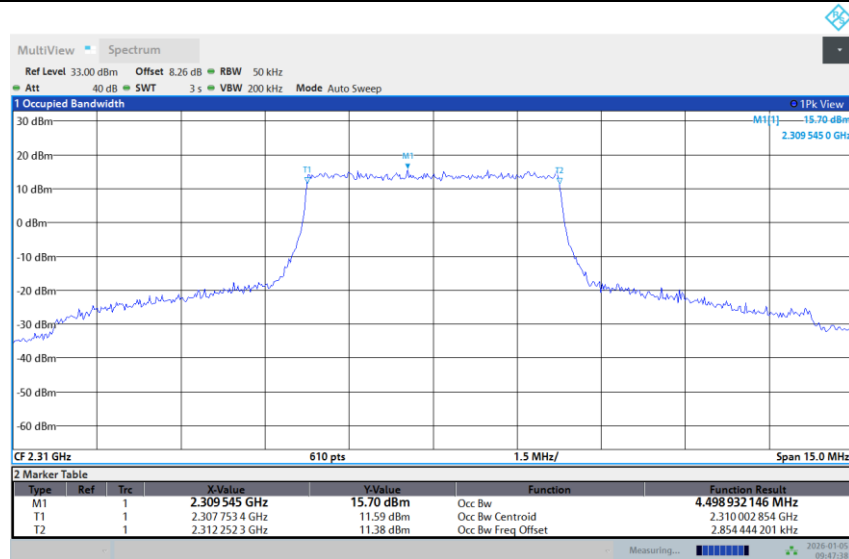
Band 30-5M-LOW-64QAM-Full RB



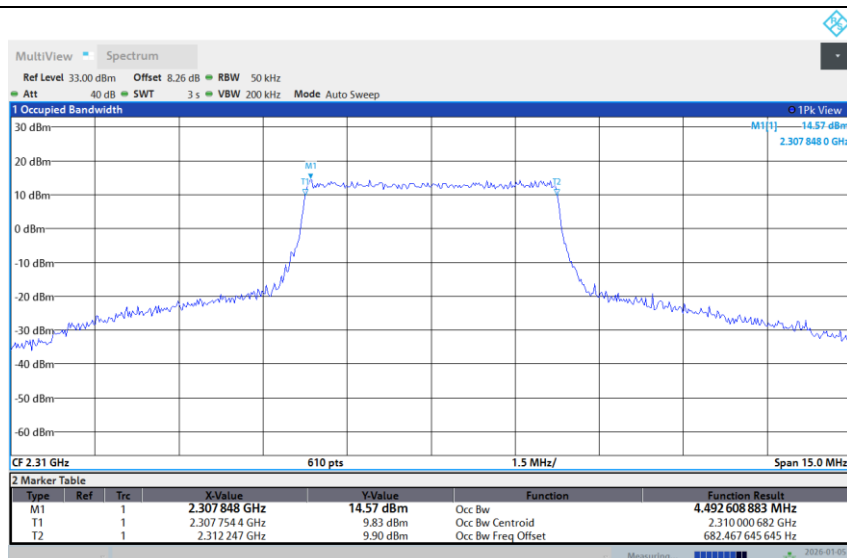
Band 30-5M-LOW-256QAM-Full RB



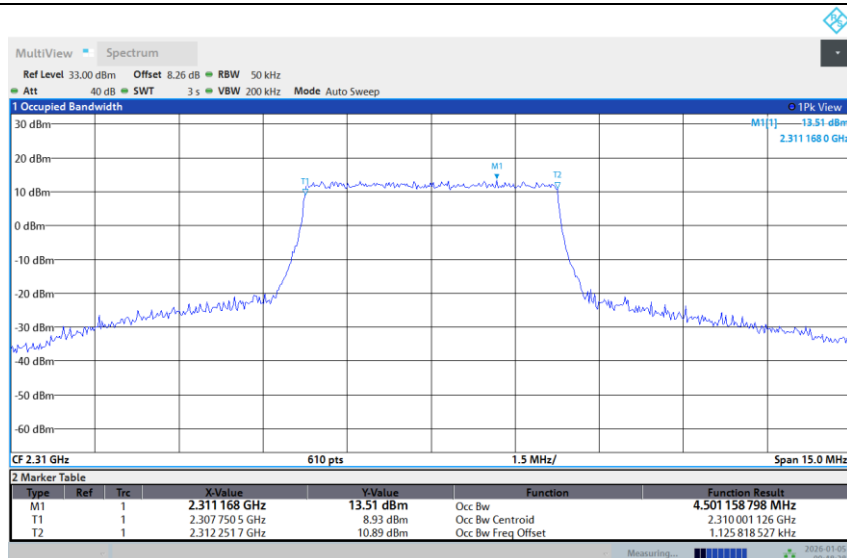
Band 30-5M-MID-QPSK-Full RB



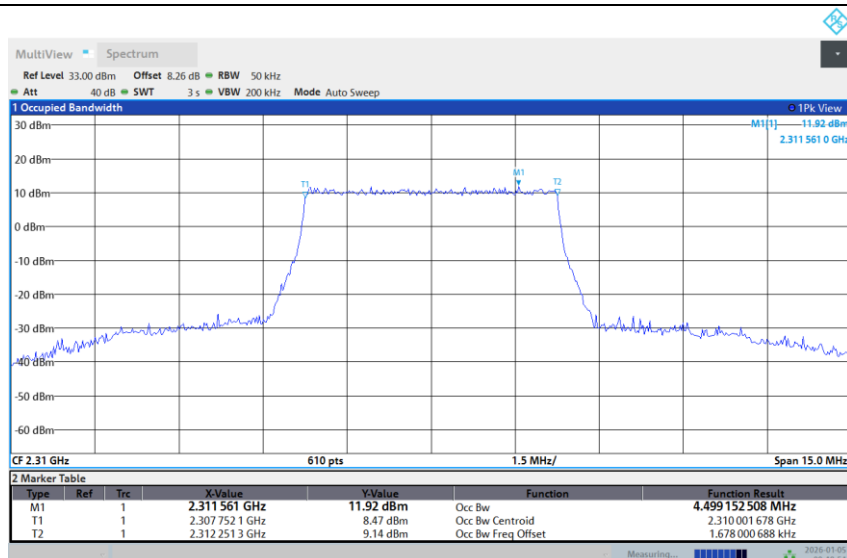
Band 30-5M-MID-16QAM-Full RB



Band 30-5M-MID-64QAM-Full RB



Band 30-5M-MID-256QAM-Full RB

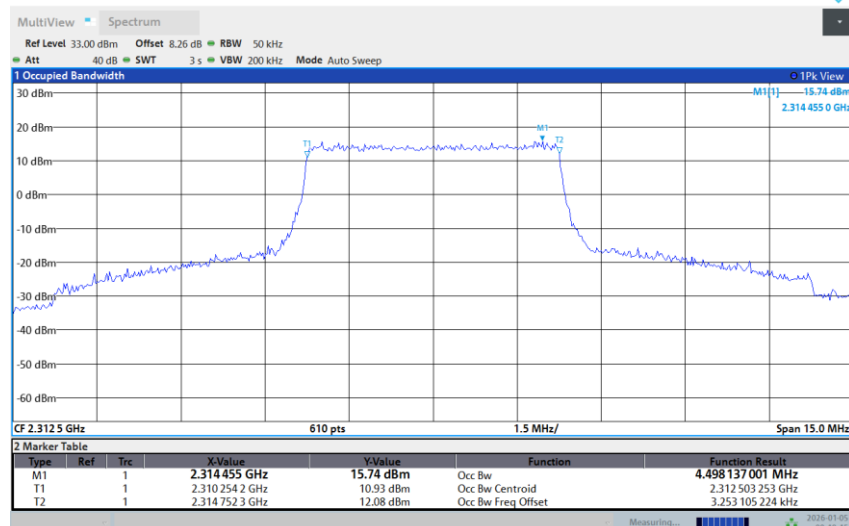


Band 30-5M-HIGH-QPSK-Full RB

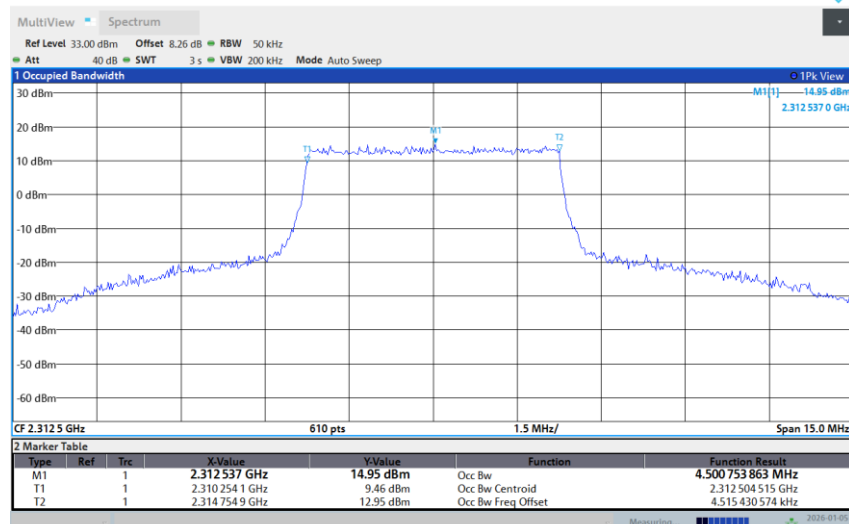
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Nanshan District, Shenzhen, Guangdong, P.R. CHINA

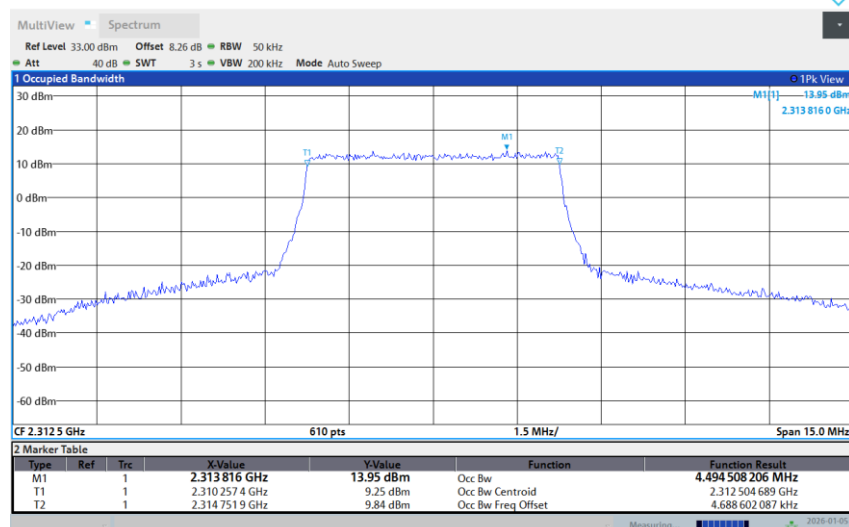
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



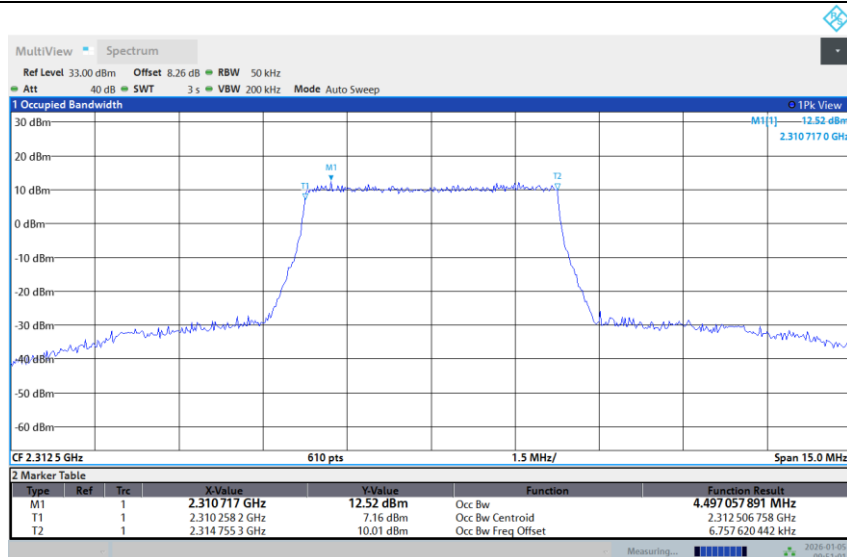
Band 30-5M-HIGH-16QAM-Full RB



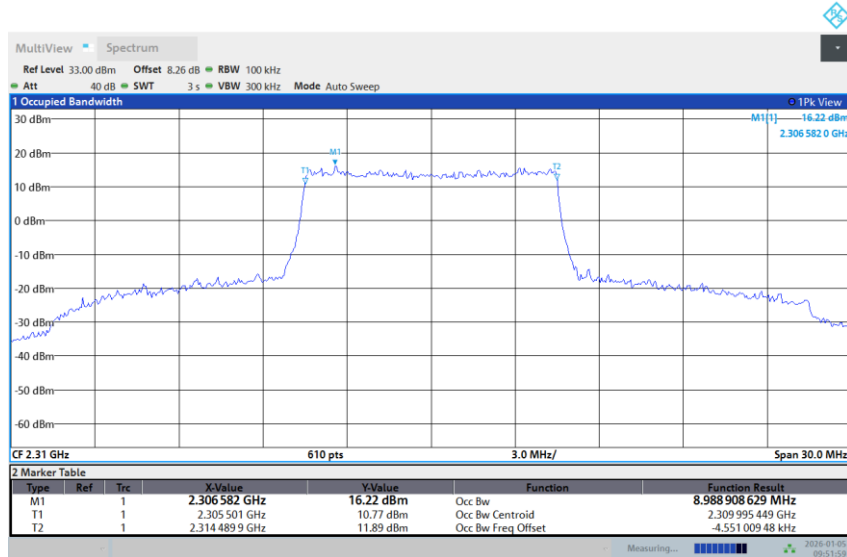
Band 30-5M-HIGH-64QAM-Full RB



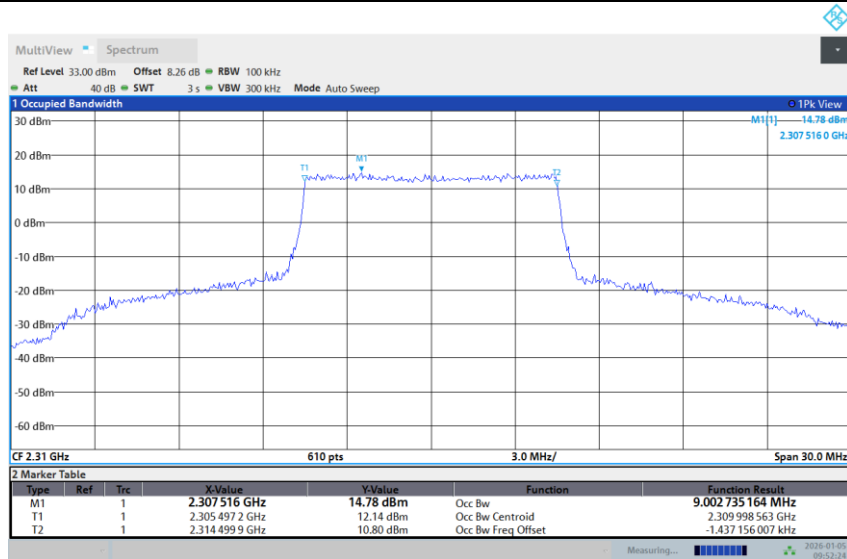
Band 30-5M-HIGH-256QAM-Full RB



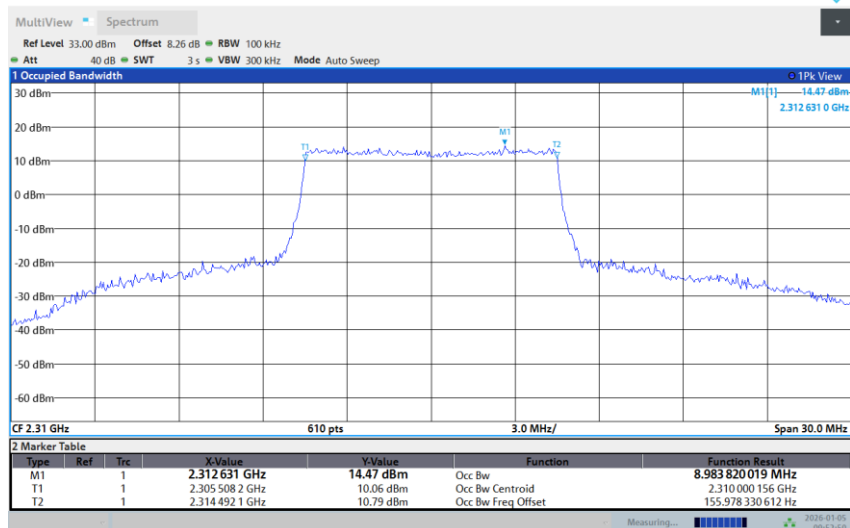
Band 30-10M-MID-QPSK-Full RB



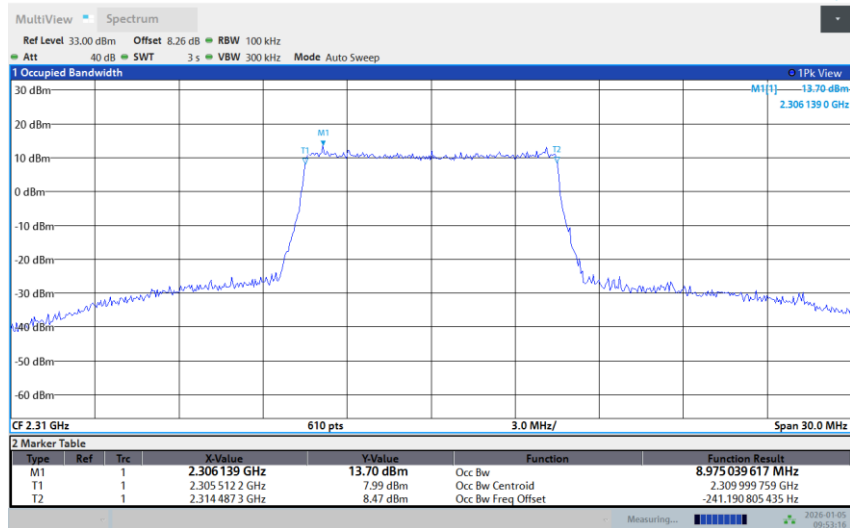
Band 30-10M-MID-16QAM-Full RB



Band 30-10M-MID-64QAM-Full RB



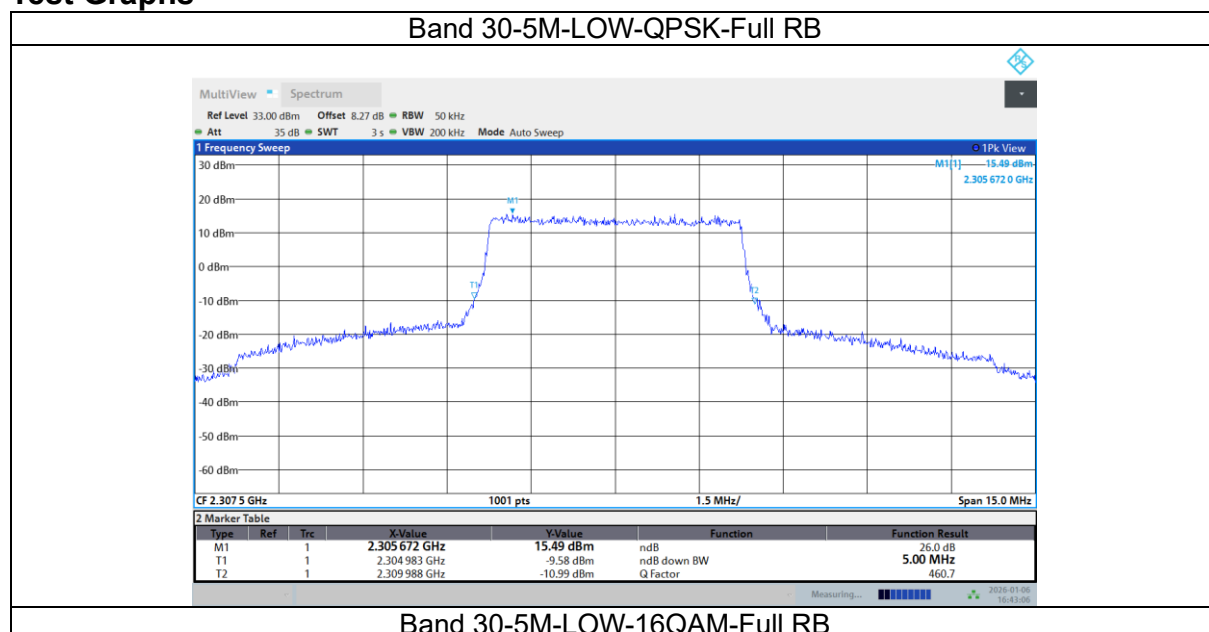
Band 30-10M-MID-256QAM-Full RB

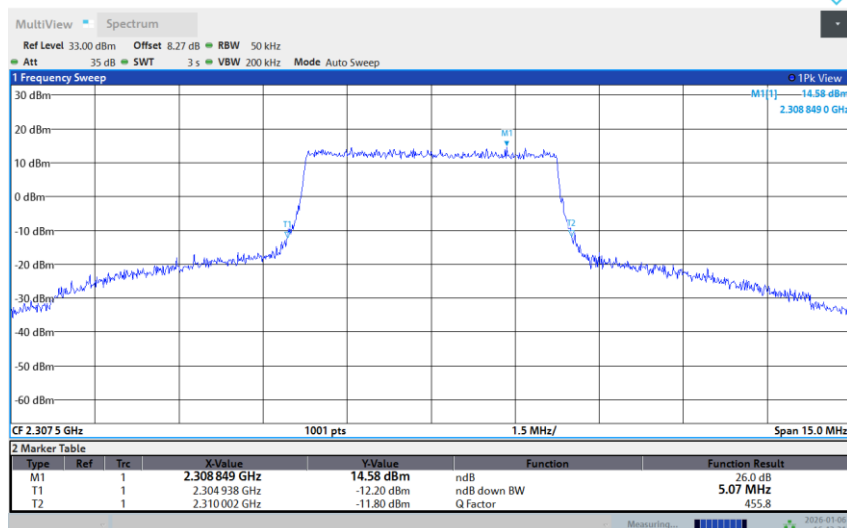


LTE band 30(-26dBc)

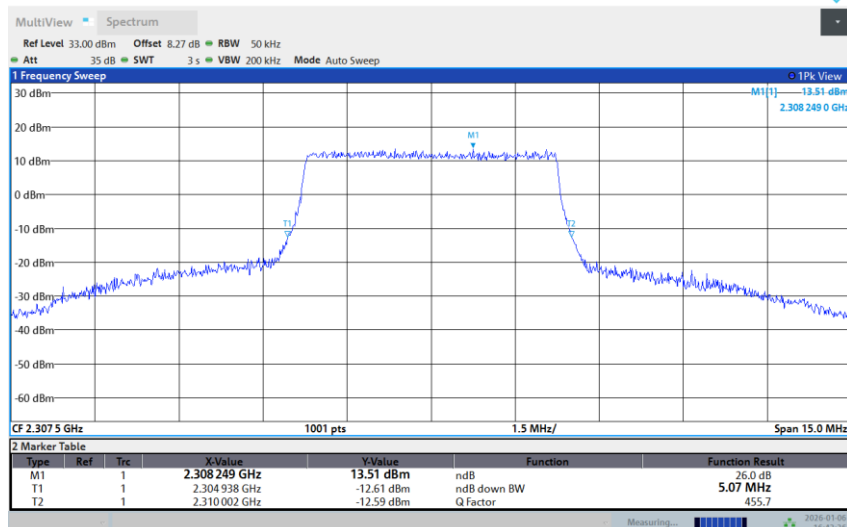
Bandwidth	Modulation	Channel	RB Configuration	26dB Bandwidth(MHz)	Verdict
5MHz	QPSK	27685	Full RB	5.00	PASS
5MHz	16QAM	27685	Full RB	5.07	PASS
5MHz	64QAM	27685	Full RB	5.07	PASS
5MHz	256QAM	27685	Full RB	4.99	PASS
5MHz	QPSK	27710	Full RB	4.97	PASS
5MHz	16QAM	27710	Full RB	5.00	PASS
5MHz	64QAM	27710	Full RB	5.04	PASS
5MHz	256QAM	27710	Full RB	5.04	PASS
5MHz	QPSK	27735	Full RB	4.96	PASS
5MHz	16QAM	27735	Full RB	5.05	PASS
5MHz	64QAM	27735	Full RB	5.02	PASS
5MHz	256QAM	27735	Full RB	5.00	PASS
10MHz	QPSK	27710	Full RB	9.89	PASS
10MHz	16QAM	27710	Full RB	9.95	PASS
10MHz	64QAM	27710	Full RB	9.89	PASS
10MHz	256QAM	27710	Full RB	9.80	PASS

Test Graphs

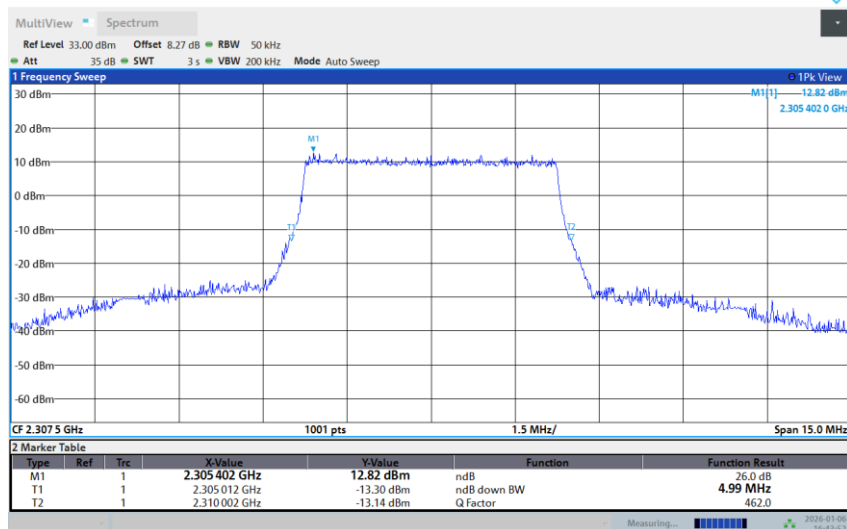




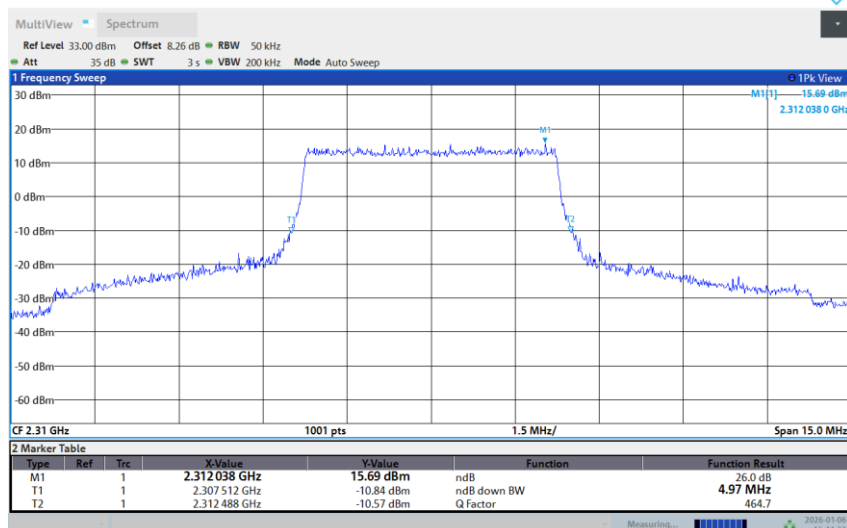
Band 30-5M-LOW-64QAM-Full RB



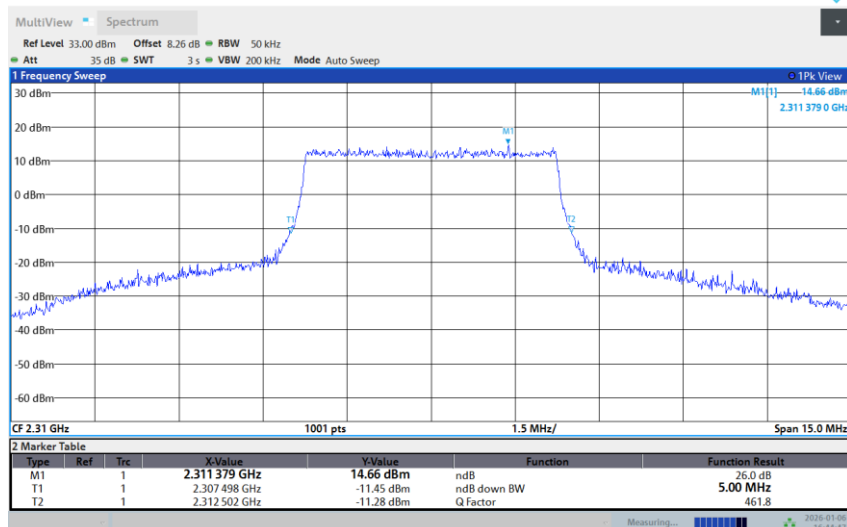
Band 30-5M-LOW-256QAM-Full RB



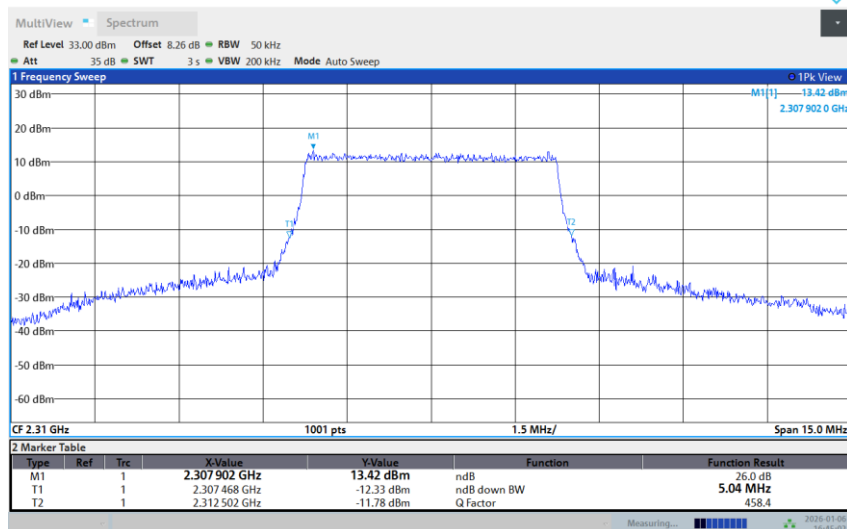
Band 30-5M-MID-QPSK-Full RB



Band 30-5M-MID-16QAM-Full RB



Band 30-5M-MID-64QAM-Full RB

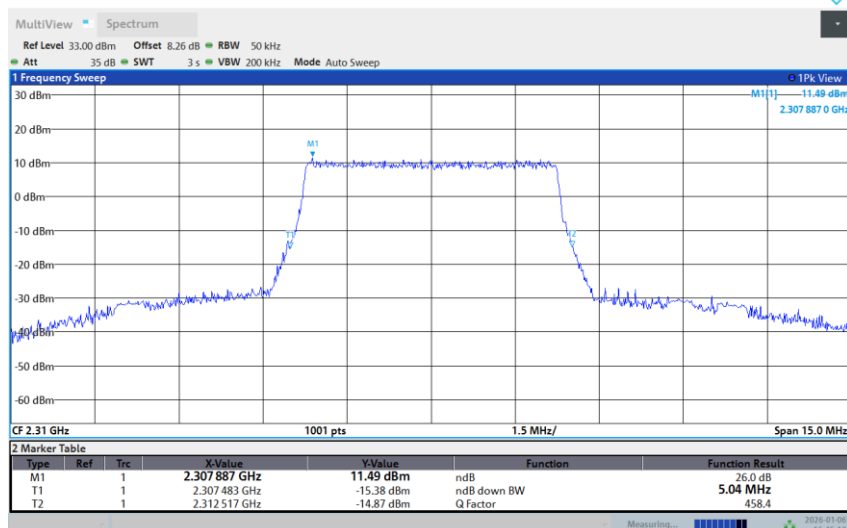


Band 30-5M-MID-256QAM-Full RB

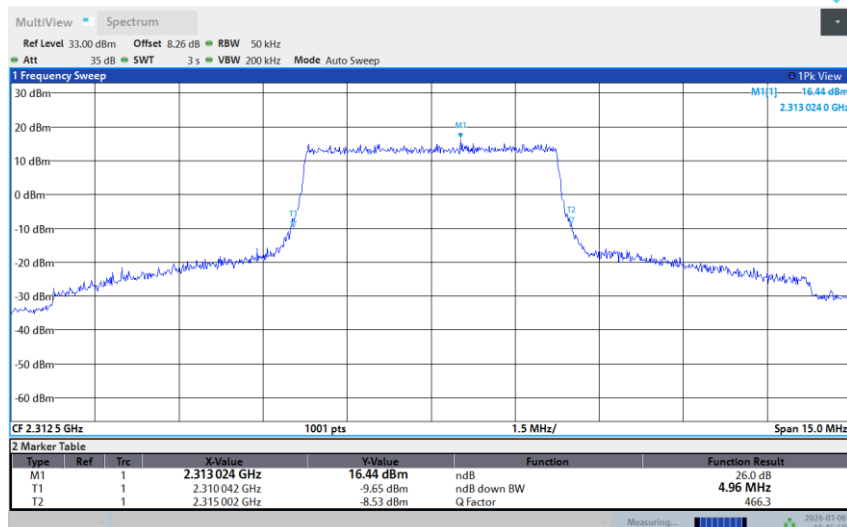
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Nanshan District, Shenzhen, Guangdong, P.R. CHINA

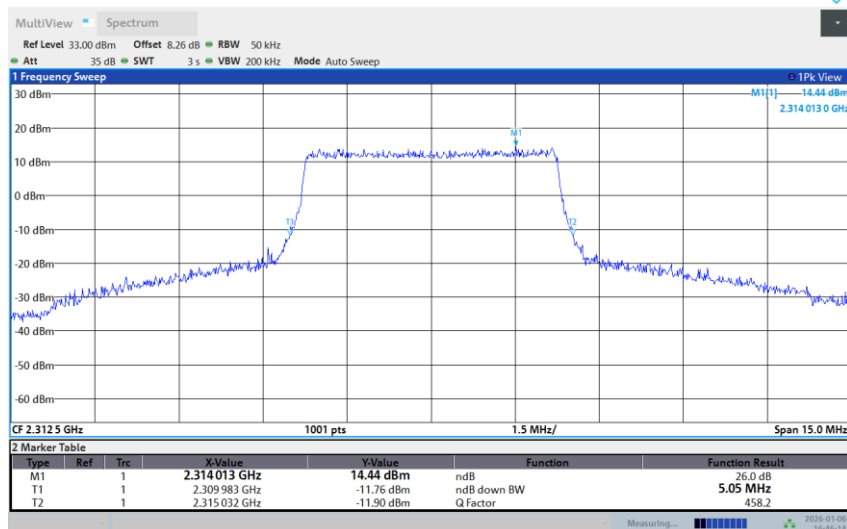
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



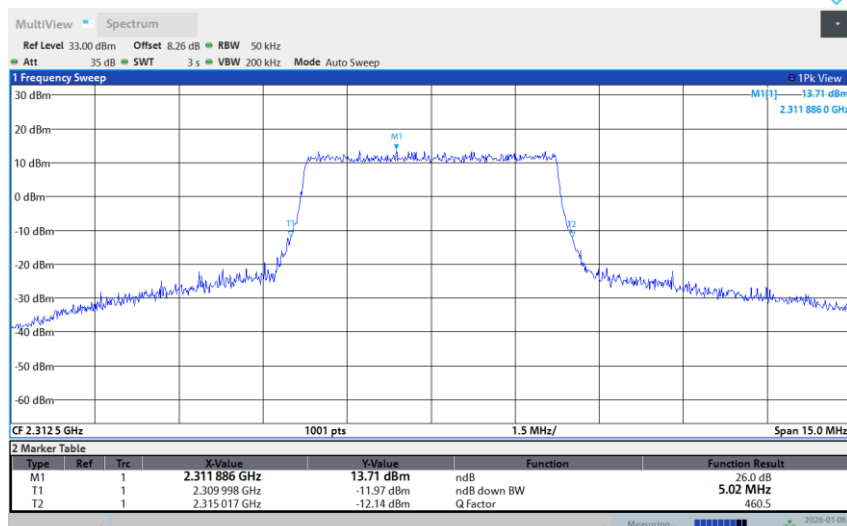
Band 30-5M-HIGH-QPSK-Full RB



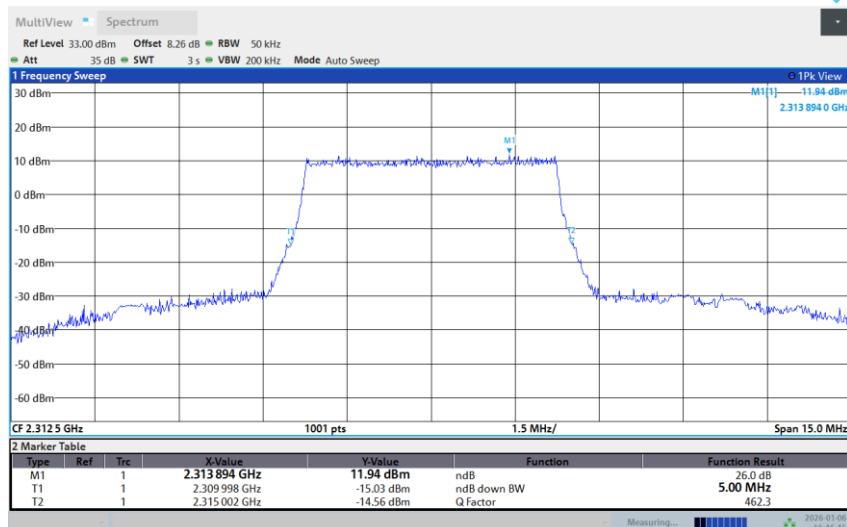
Band 30-5M-HIGH-16QAM-Full RB



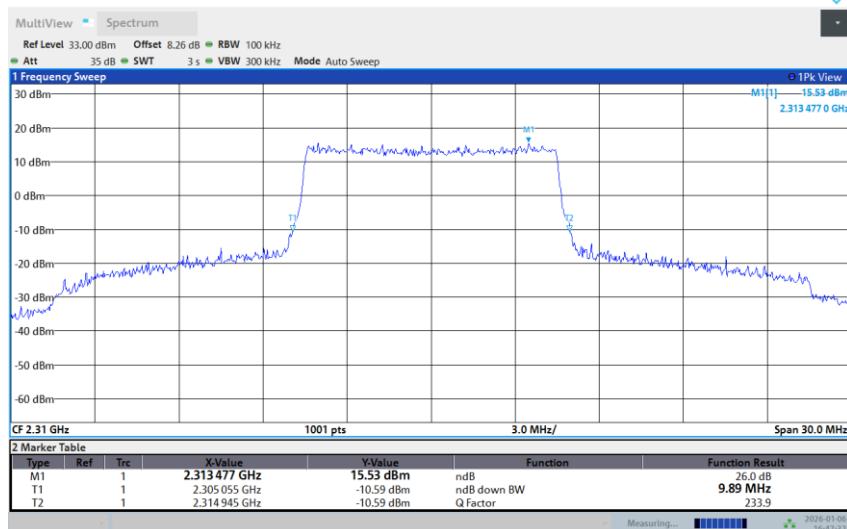
Band 30-5M-HIGH-64QAM-Full RB



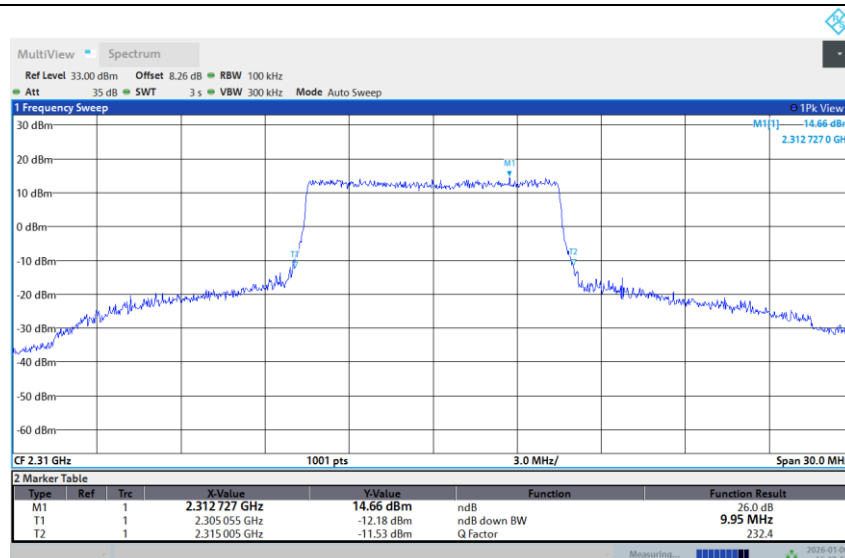
Band 30-5M-HIGH-256QAM-Full RB



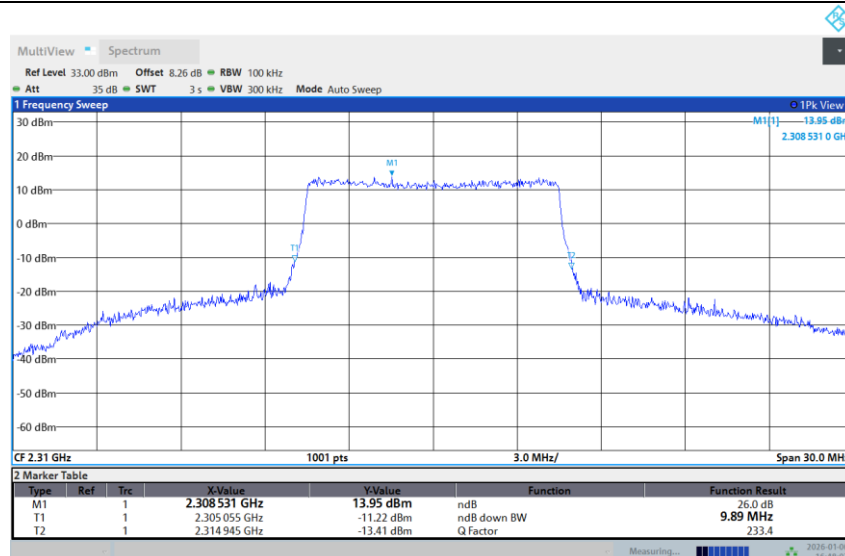
Band 30-10M-MID-QPSK-Full RB



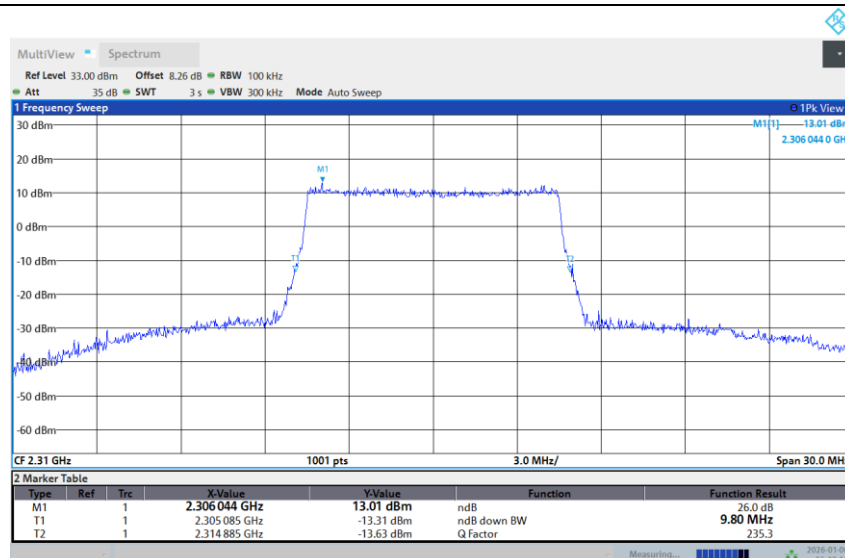
Band 30-10M-MID-16QAM-Full RB



Band 30-10M-MID-64QAM-Full RB



Band 30-10M-MID-256QAM-Full RB



BAND EDGE

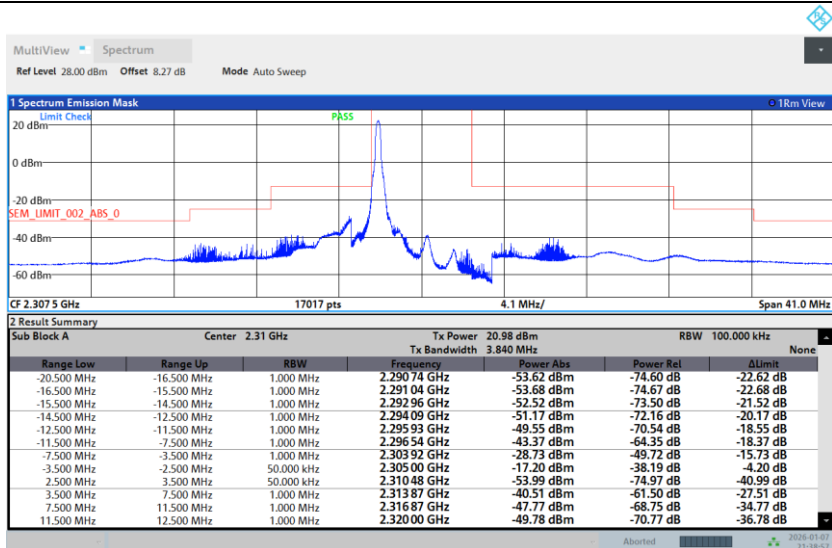
Test Result

LTE band 30

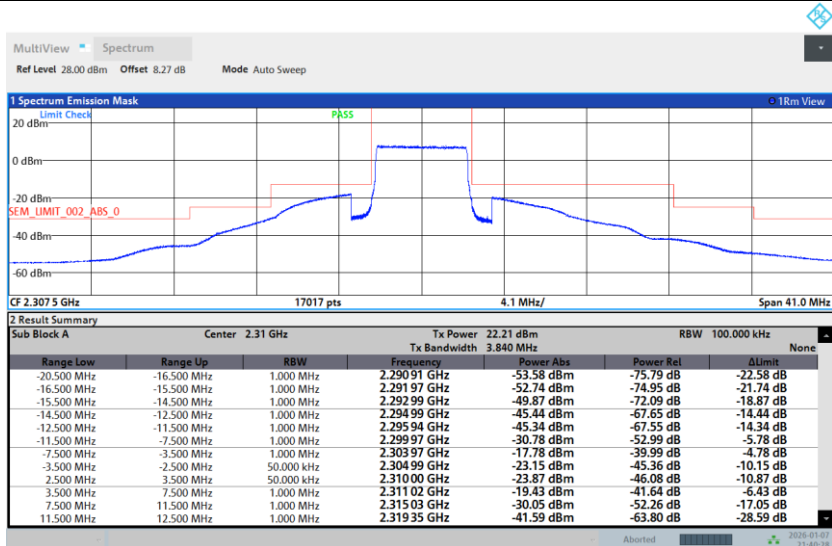
Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
5MHz	QPSK	27685	1RB Low	See Graph1	PASS
5MHz	QPSK	27685	Full RB	See Graph2	PASS
5MHz	16QAM	27685	1RB Low	See Graph3	PASS
5MHz	16QAM	27685	Full RB	See Graph4	PASS
5MHz	64QAM	27685	1RB Low	See Graph5	PASS
5MHz	64QAM	27685	Full RB	See Graph6	PASS
5MHz	256QAM	27685	1RB Low	See Graph7	PASS
5MHz	256QAM	27685	Full RB	See Graph8	PASS
5MHz	QPSK	27735	1RB High	See Graph9	PASS
5MHz	QPSK	27735	Full RB	See Graph10	PASS
5MHz	16QAM	27735	1RB High	See Graph11	PASS
5MHz	16QAM	27735	Full RB	See Graph12	PASS
5MHz	64QAM	27735	1RB High	See Graph13	PASS
5MHz	64QAM	27735	Full RB	See Graph14	PASS
5MHz	256QAM	27735	1RB High	See Graph15	PASS
5MHz	256QAM	27735	Full RB	See Graph16	PASS
10MHz	QPSK	27710	1RB Low	See Graph17	PASS
10MHz	QPSK	27710	Full RB	See Graph18	PASS
10MHz	16QAM	27710	1RB Low	See Graph19	PASS
10MHz	16QAM	27710	Full RB	See Graph20	PASS
10MHz	64QAM	27710	1RB Low	See Graph21	PASS
10MHz	64QAM	27710	Full RB	See Graph22	PASS
10MHz	256QAM	27710	1RB Low	See Graph23	PASS
10MHz	256QAM	27710	Full RB	See Graph24	PASS
10MHz	QPSK	27710	1RB High	See Graph25	PASS
10MHz	16QAM	27710	1RB High	See Graph26	PASS
10MHz	64QAM	27710	1RB High	See Graph27	PASS
10MHz	256QAM	27710	1RB High	See Graph28	PASS

Test Graphs

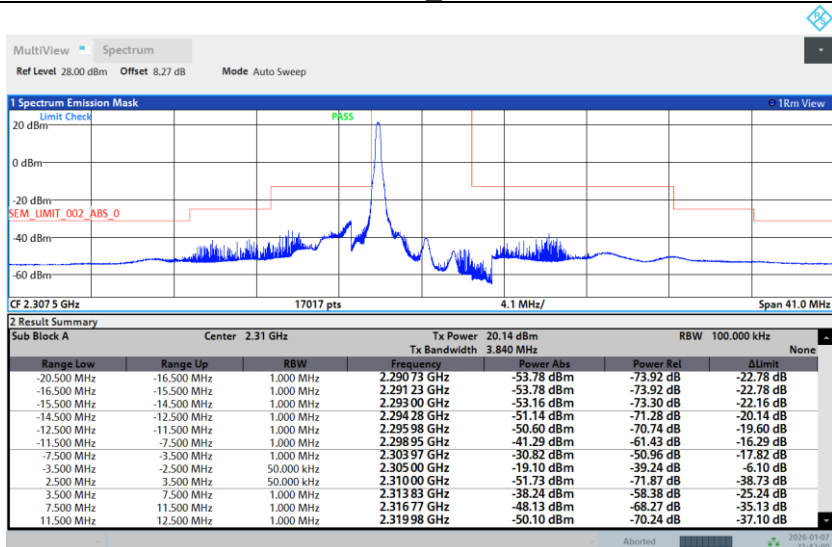
Graph1 LOW BAND EDGE BLOCK-1RB-LOW_offset



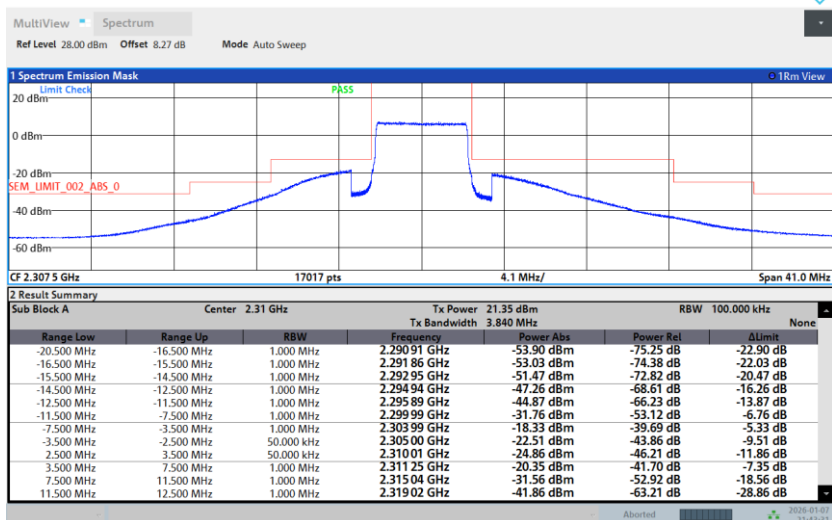
Graph2 LOW BAND EDGE BLOCK-5MHz-100%RB



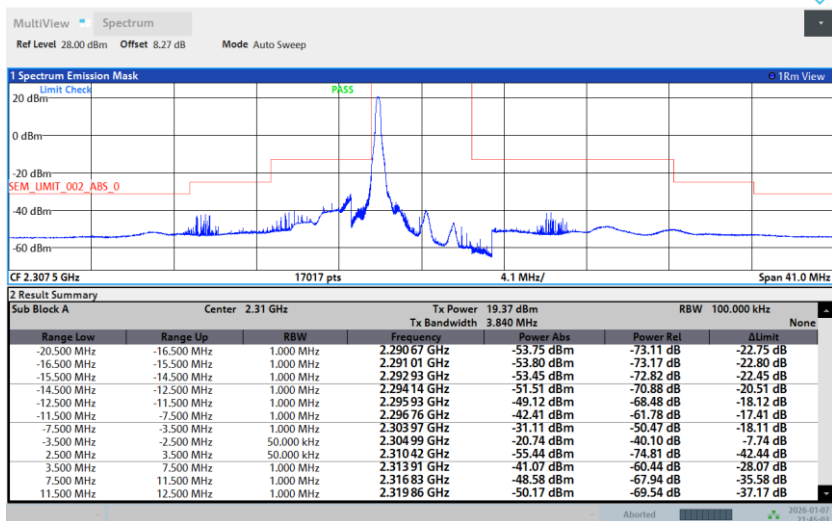
Graph3 LOW BAND EDGE BLOCK-1RB-LOW_offset



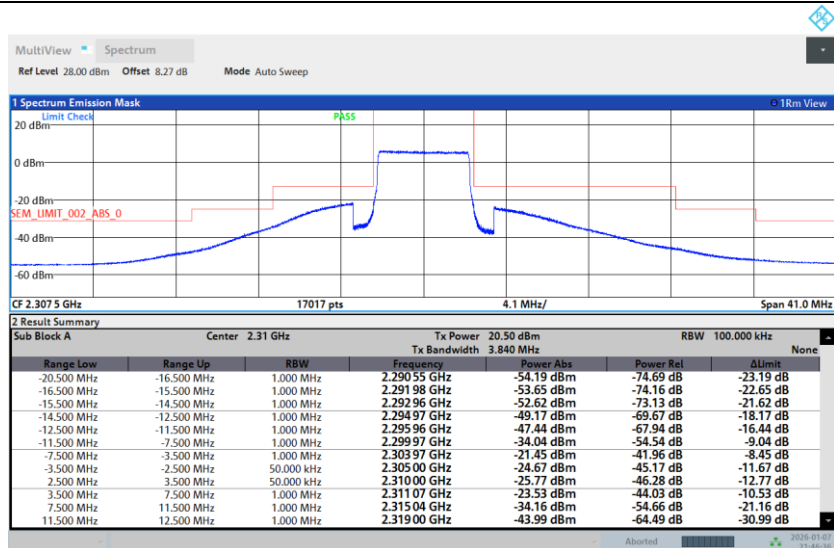
Graph4 LOW BAND EDGE BLOCK-5MHz-100%RB



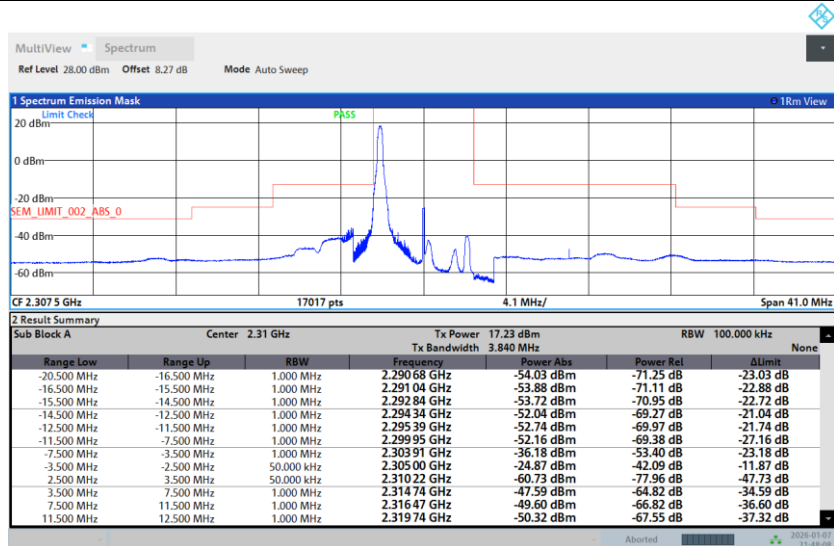
Graph5 LOW BAND EDGE BLOCK-1RB-LOW_offset



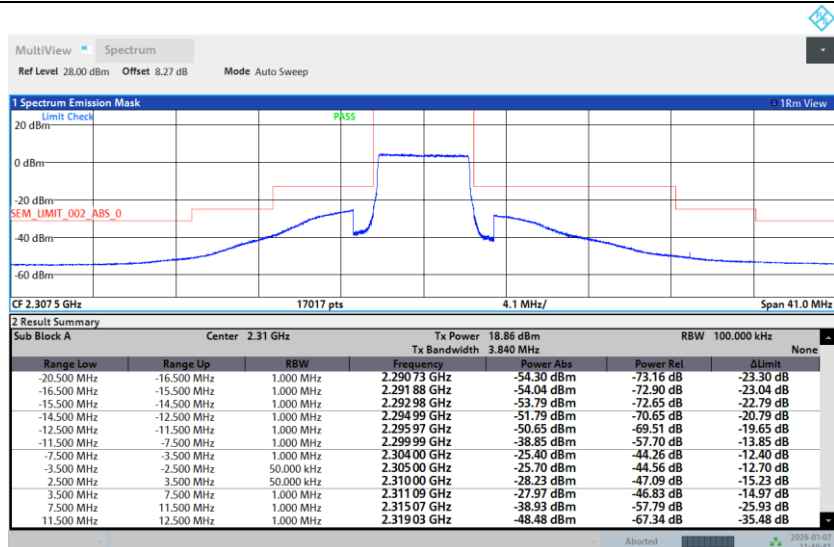
Graph6 LOW BAND EDGE BLOCK-5MHz-100%RB



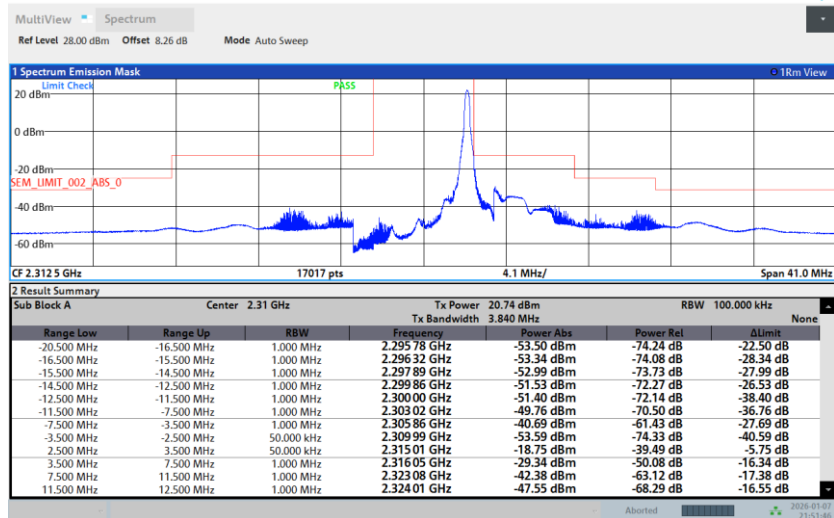
Graph7 LOW BAND EDGE BLOCK-1RB-LOW_offset



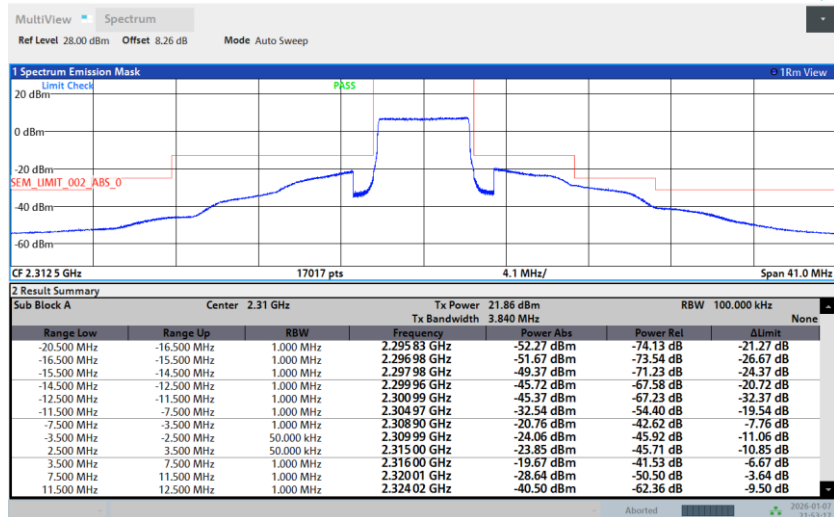
Graph8 LOW BAND EDGE BLOCK-5MHz-100%RB



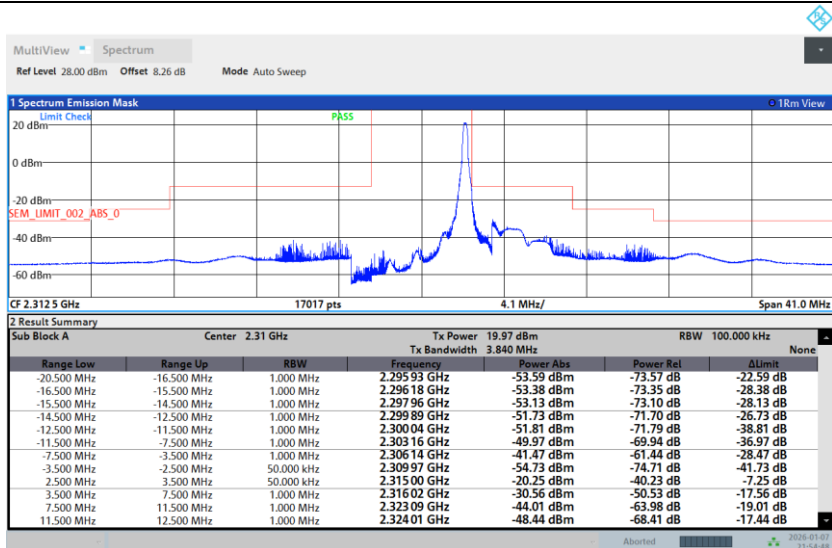
Graph9 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



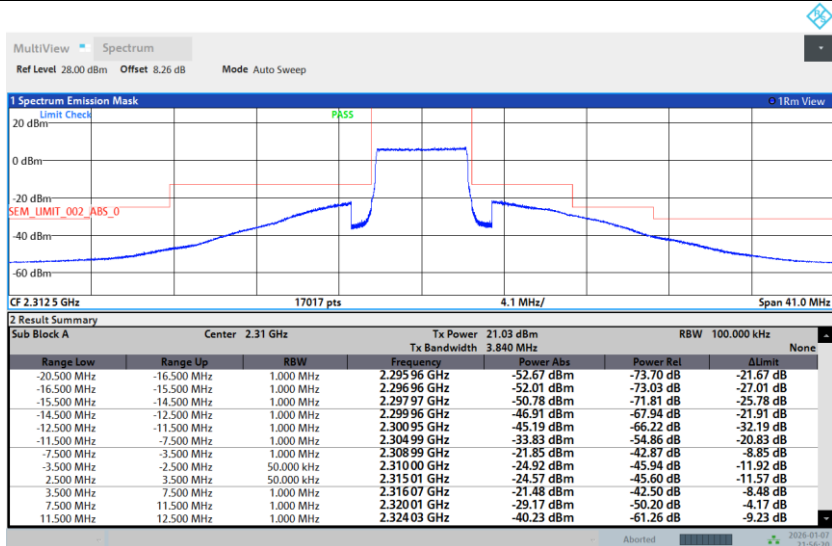
Graph10 HIGH BAND EDGE BLOCK-5MHz-100%RB



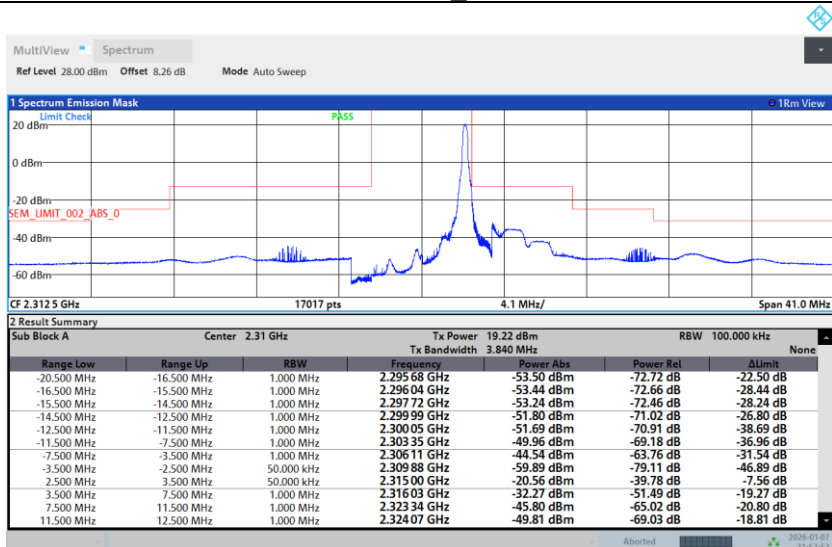
Graph11 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



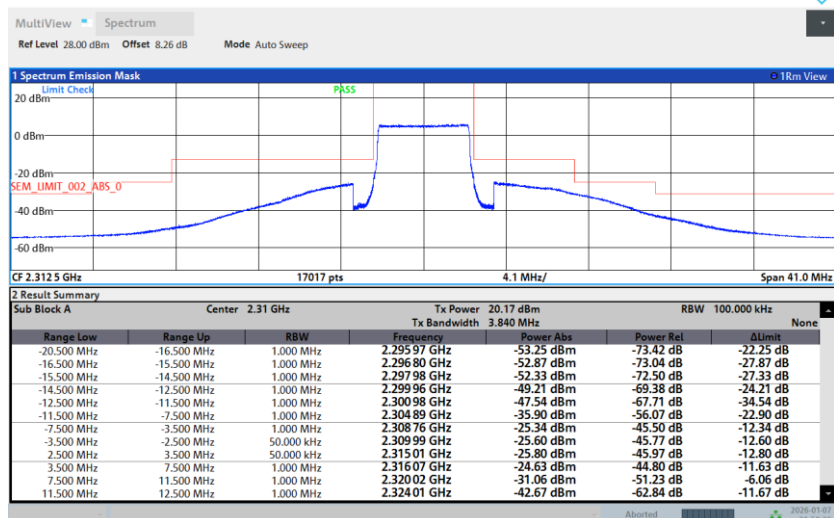
Graph12 HIGH BAND EDGE BLOCK-5MHz-100%RB



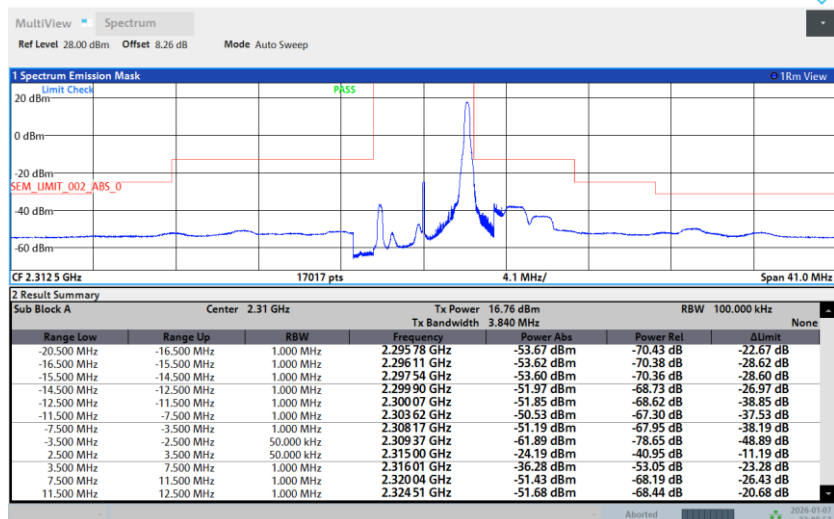
Graph13 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



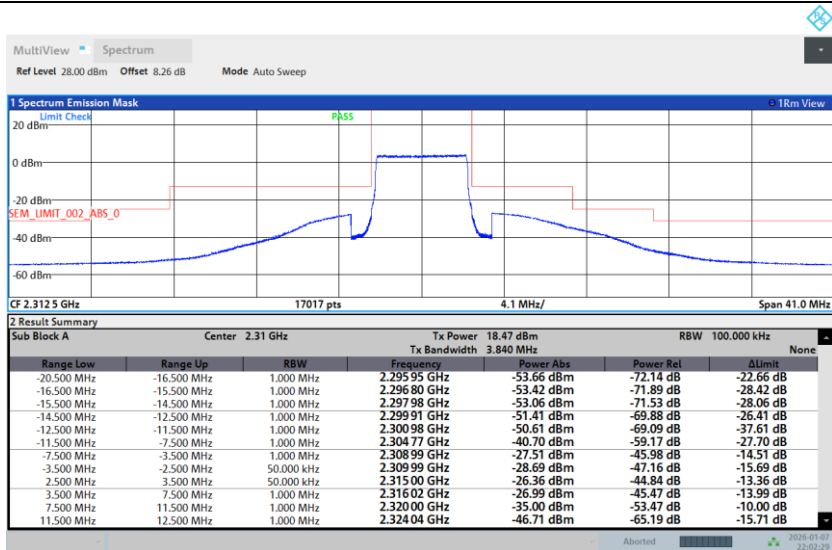
Graph14 HIGH BAND EDGE BLOCK-5MHz-100%RB



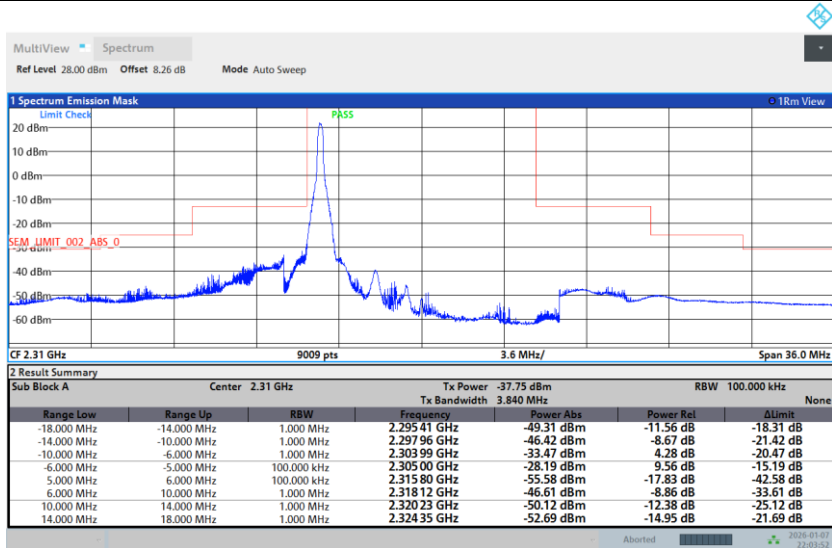
Graph15 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



Graph16 HIGH BAND EDGE BLOCK-5MHz-100%RB



Graph17 LOW BAND EDGE BLOCK-1RB-LOW_offset



Graph18 LOW BAND EDGE BLOCK-10MHz-100%RB

