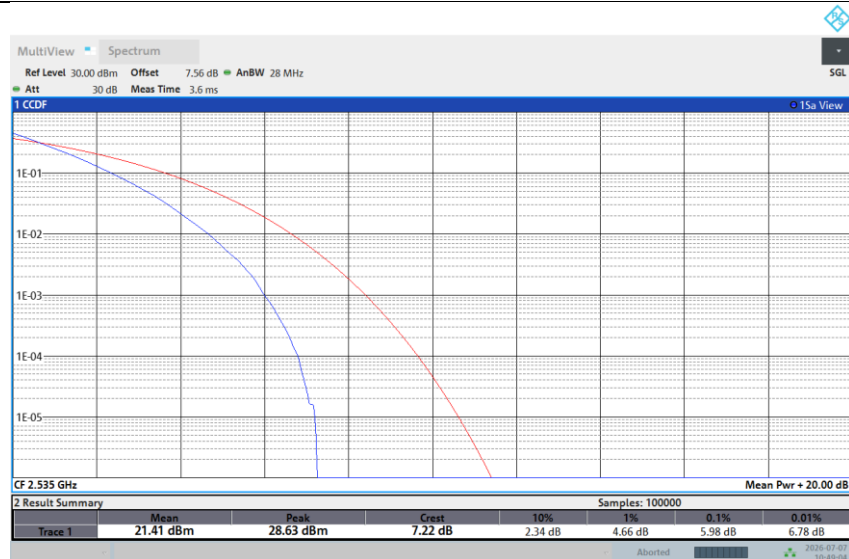
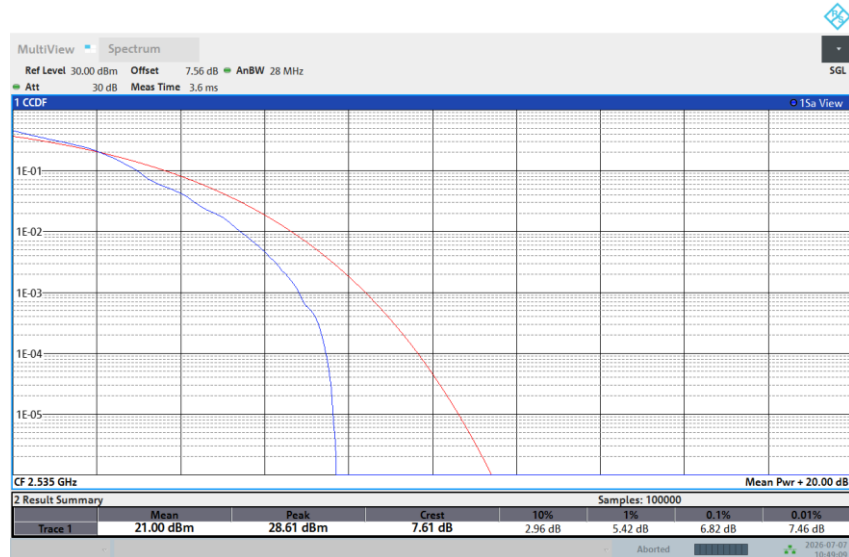
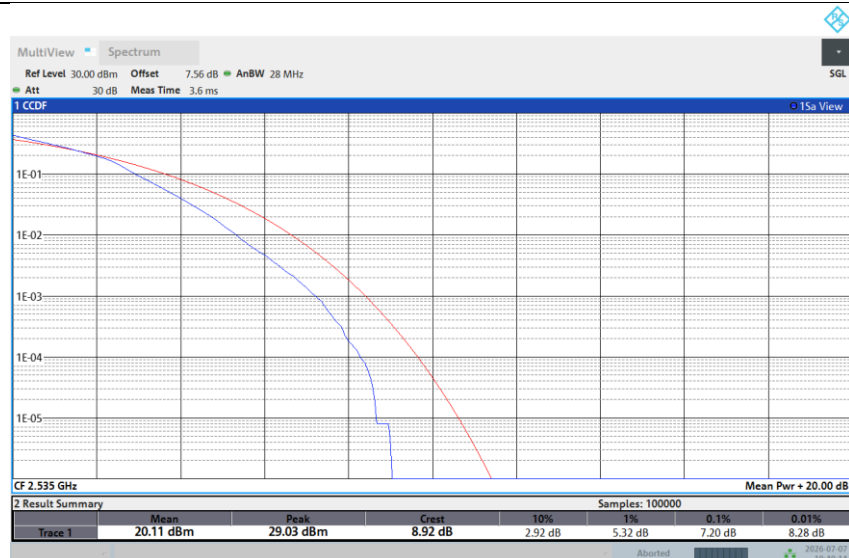




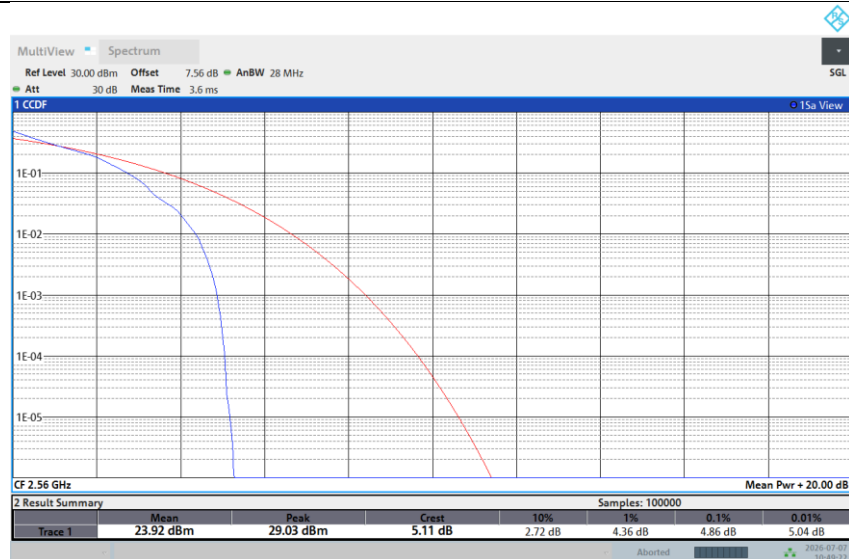
Band 7-20M-MID-16QAM-1RB Low



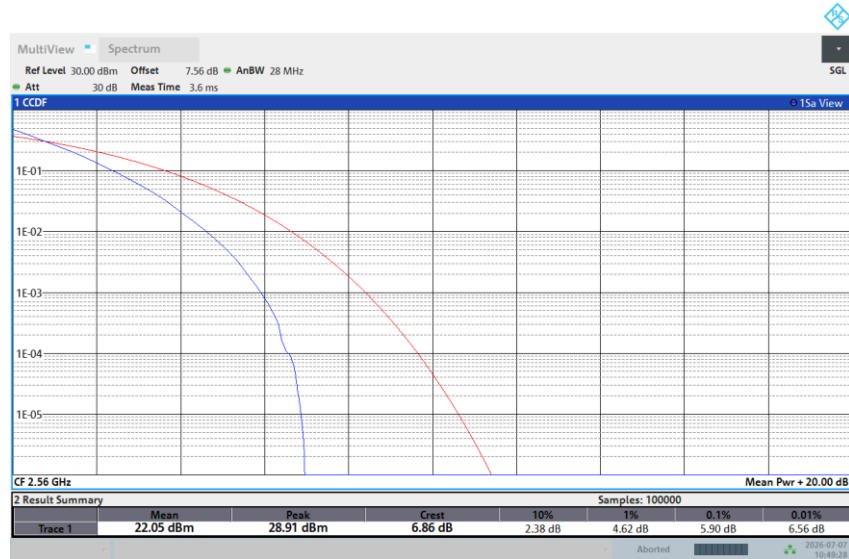
Band 7-20M-MID-16QAM-Full RB



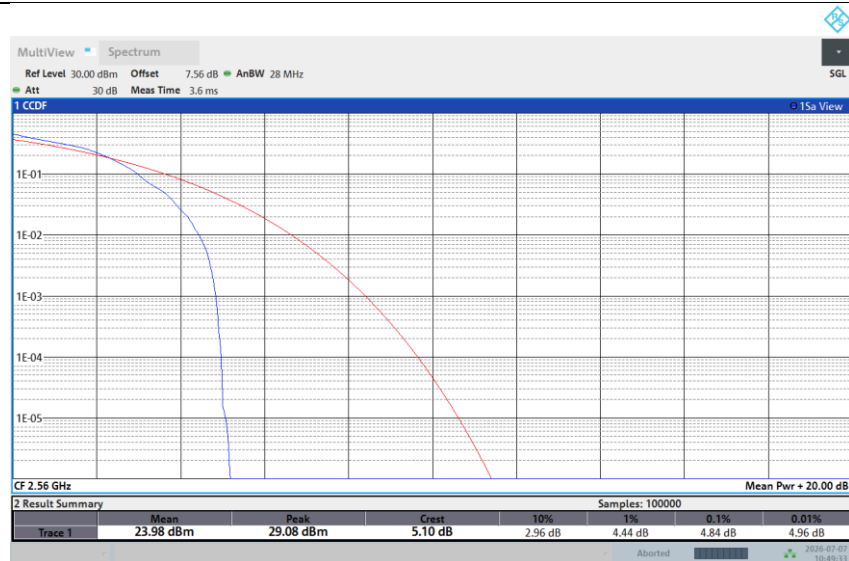
Band 7-20M-HIGH-QPSK-1RB Low



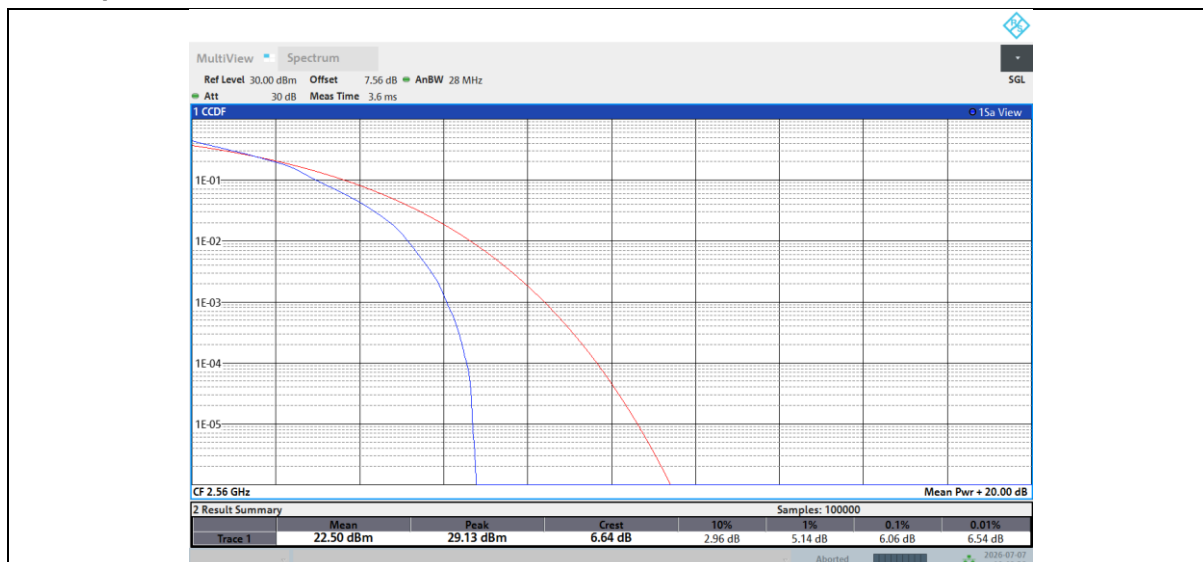
Band 7-20M-HIGH-QPSK-Full RB



Band 7-20M-HIGH-16QAM-1RB Low



Band 7-20M-HIGH-16QAM-Full RB



OCCUPIED BANDWIDTH

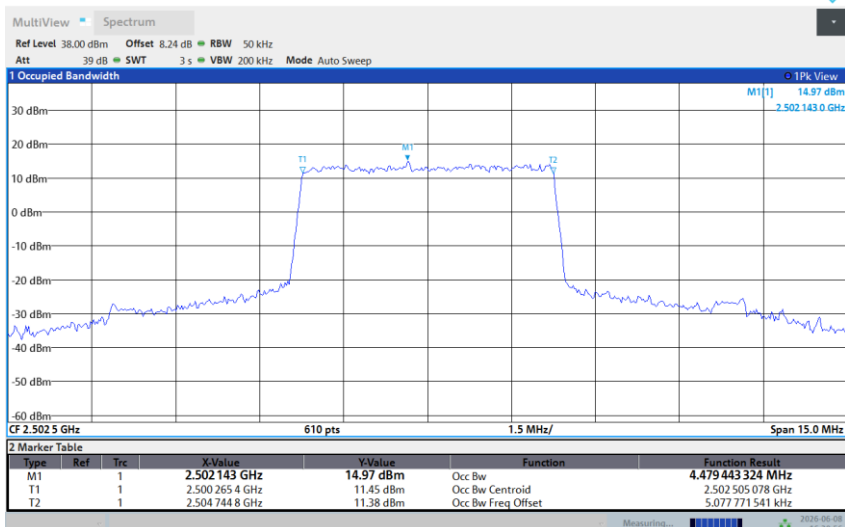
Test Result

LTE band 7(99%)

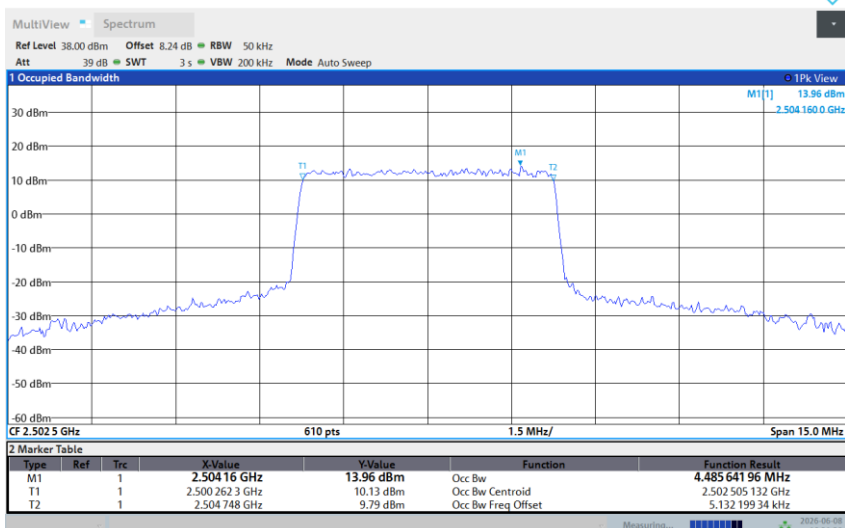
Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth(MHz)	Verdict
5MHz	QPSK	20775	Full RB	4.479	PASS
5MHz	16QAM	20775	Full RB	4.486	PASS
5MHz	QPSK	21100	Full RB	4.498	PASS
5MHz	16QAM	21100	Full RB	4.477	PASS
5MHz	QPSK	21425	Full RB	4.489	PASS
5MHz	16QAM	21425	Full RB	4.499	PASS
10MHz	QPSK	20800	Full RB	8.946	PASS
10MHz	16QAM	20800	Full RB	4.986	PASS
10MHz	QPSK	21100	Full RB	8.933	PASS
10MHz	16QAM	21100	Full RB	4.925	PASS
10MHz	QPSK	21400	Full RB	8.942	PASS
10MHz	16QAM	21400	Full RB	4.974	PASS
15MHz	QPSK	20825	Full RB	13.484	PASS
15MHz	16QAM	20825	Full RB	5.349	PASS
15MHz	QPSK	21100	Full RB	13.457	PASS
15MHz	16QAM	21100	Full RB	5.409	PASS
15MHz	QPSK	21375	Full RB	13.490	PASS
15MHz	16QAM	21375	Full RB	5.380	PASS
20MHz	QPSK	20850	Full RB	17.893	PASS
20MHz	16QAM	20850	Full RB	5.770	PASS
20MHz	QPSK	21100	Full RB	17.900	PASS
20MHz	16QAM	21100	Full RB	5.574	PASS
20MHz	QPSK	21350	Full RB	17.914	PASS
20MHz	16QAM	21350	Full RB	5.332	PASS

Test Graphs

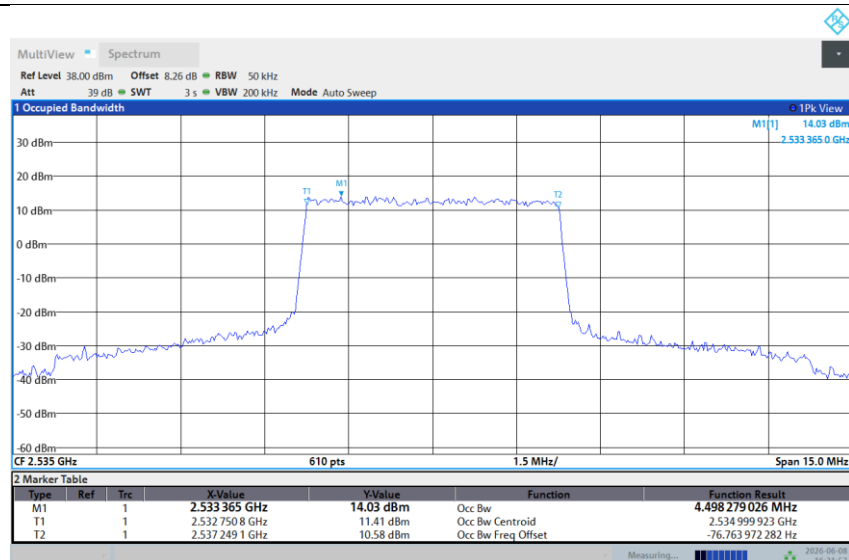
Band 7-5M-Low-QPSK-Full RB



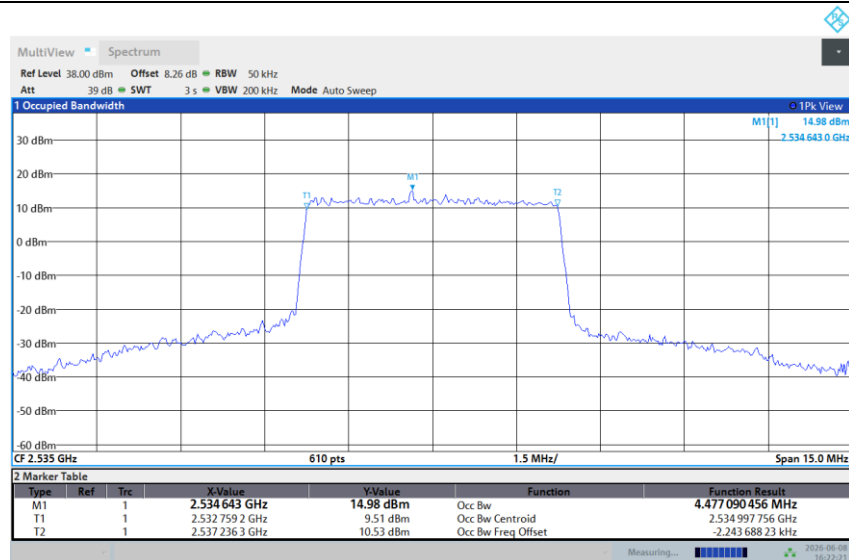
Band 7-5M-Low-16QAM-Full RB



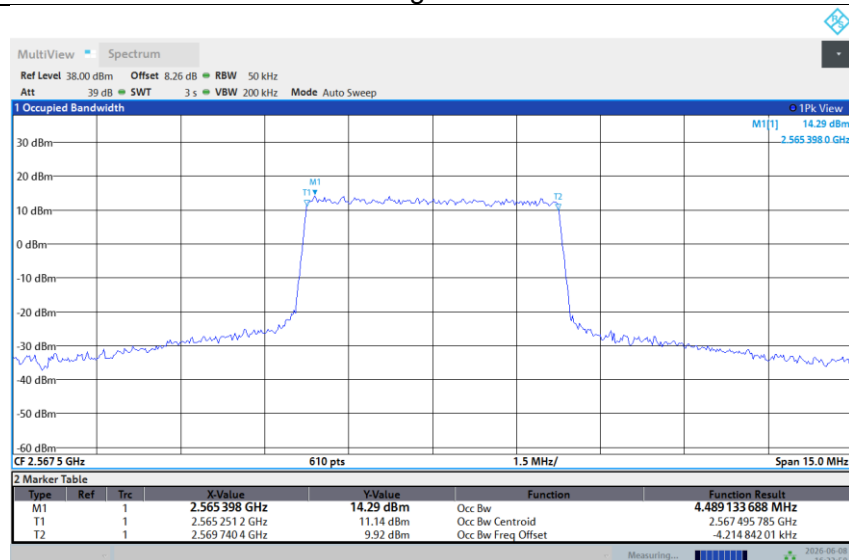
Band 7-5M-Mid-QPSK-Full RB



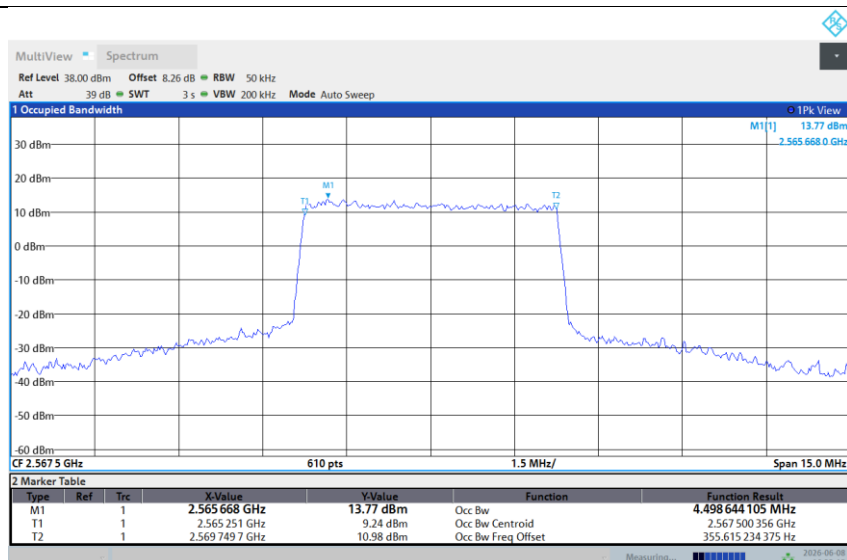
Band 7-5M-Mid-16QAM-Full RB



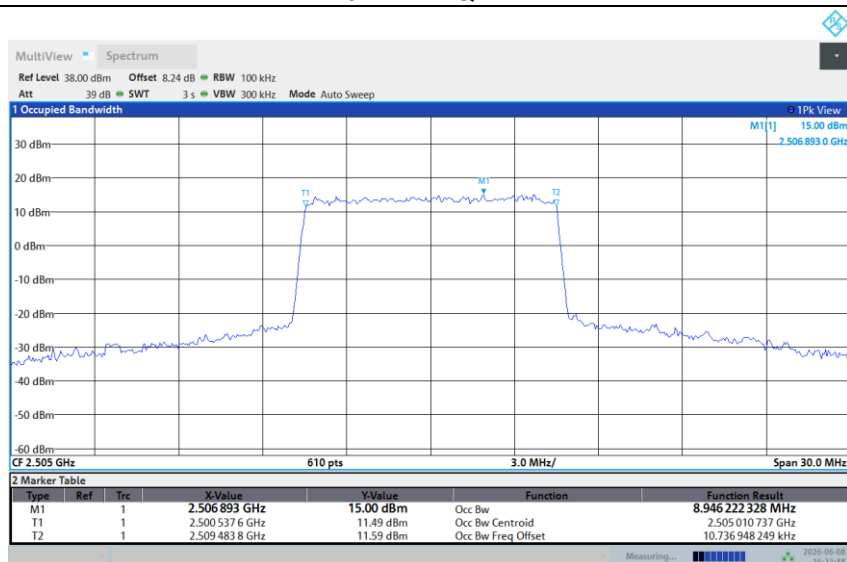
Band 7-5M-High-QPSK-Full RB



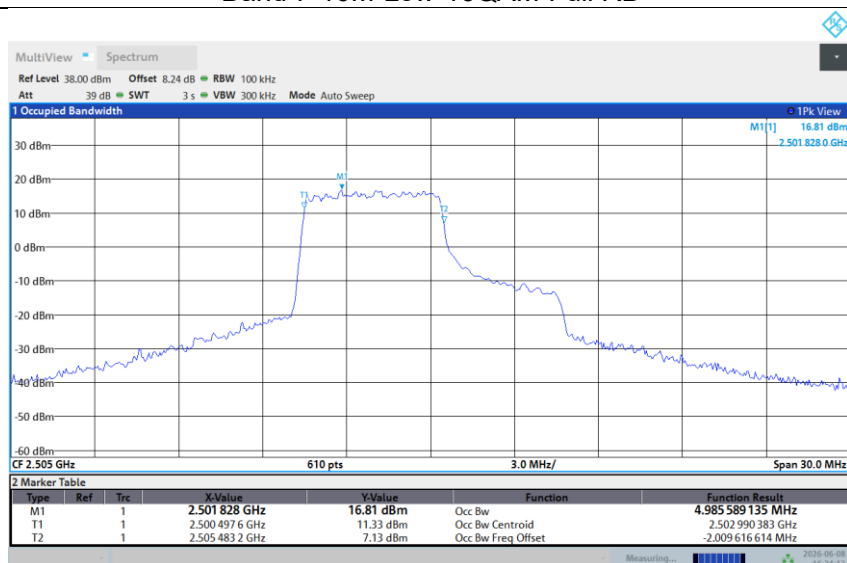
Band 7-5M-High-16QAM-Full RB



Band 7-10M-Low-QPSK-Full RB



Band 7-10M-Low-16QAM-Full RB

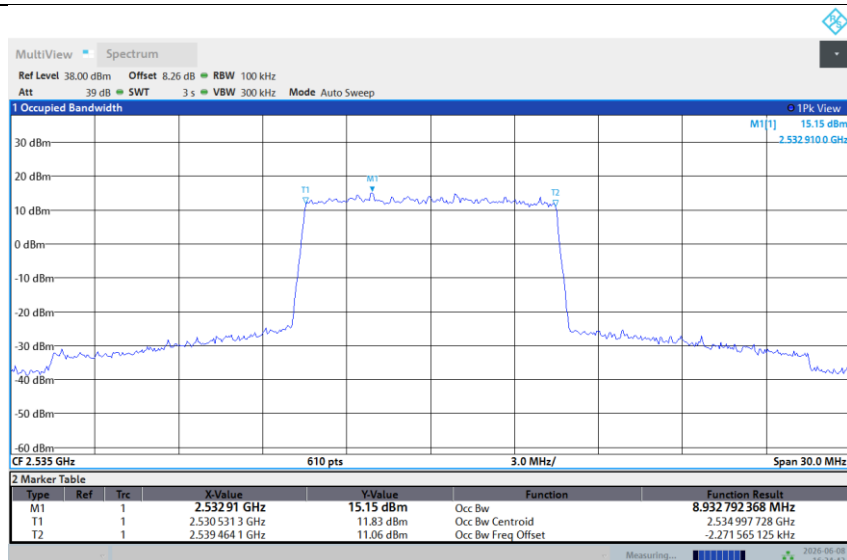


Band 7-10M-Mid-QPSK-Full RB

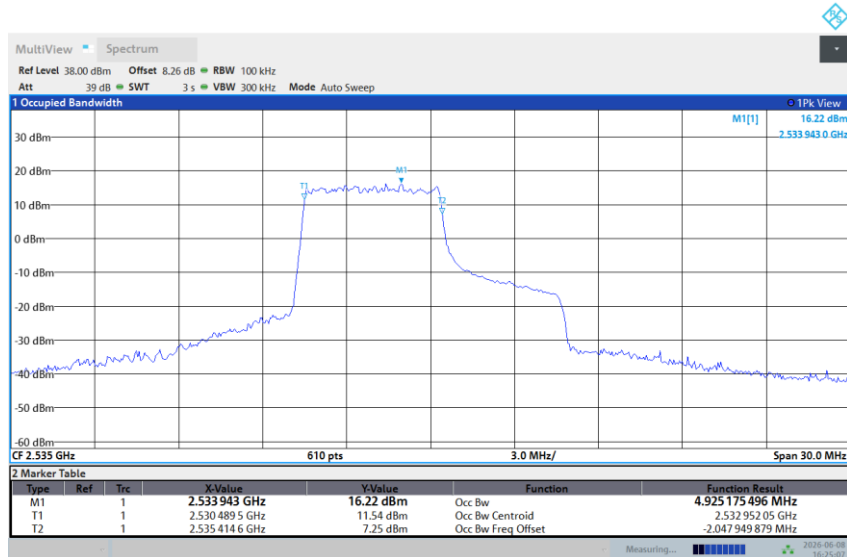
BOOMWAVE TEST (SHENZHEN)
CO., LTD.

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

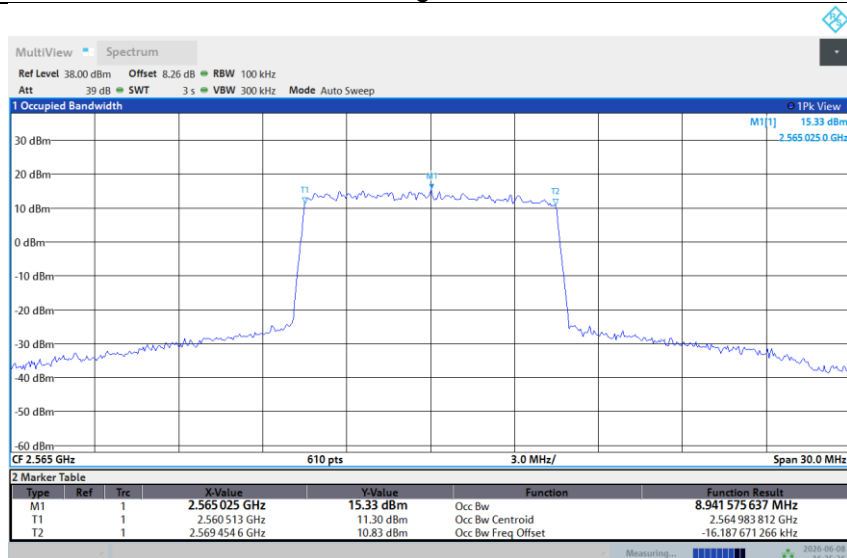
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



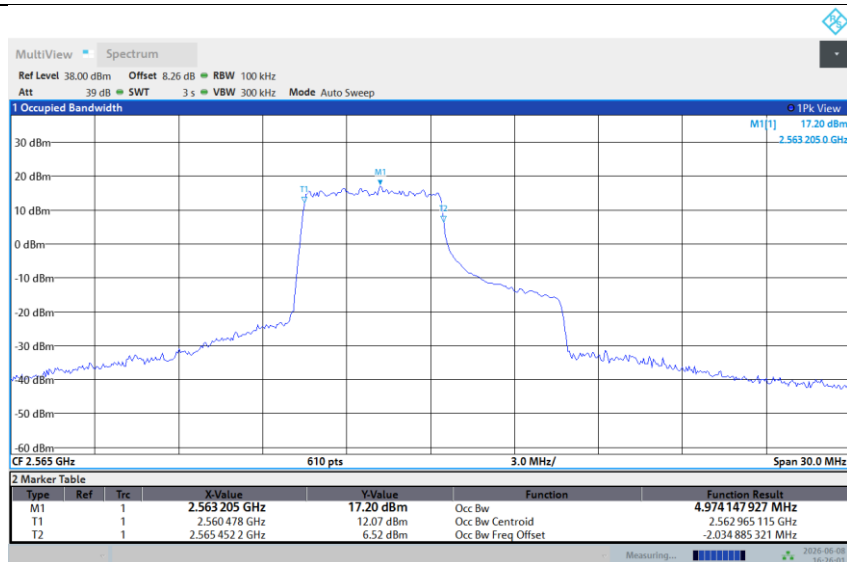
Band 7-10M-Mid-16QAM-Full RB



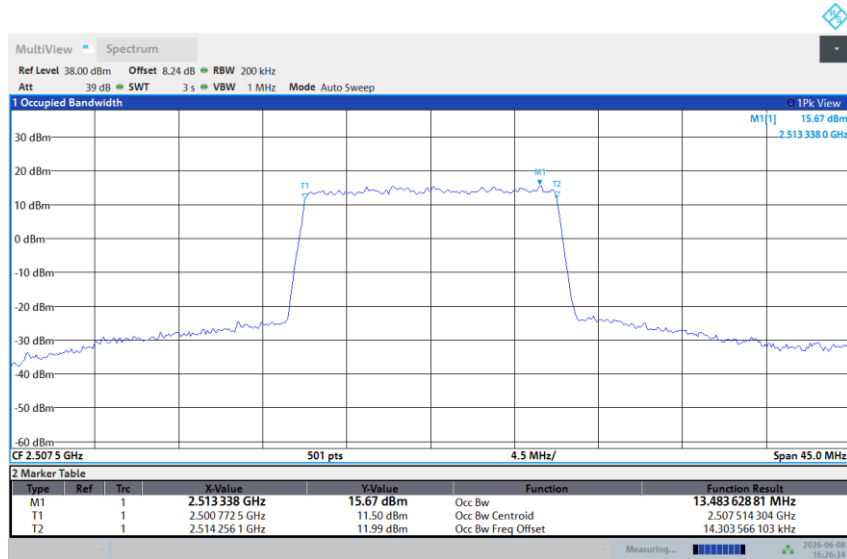
Band 7-10M-High-QPSK-Full RB



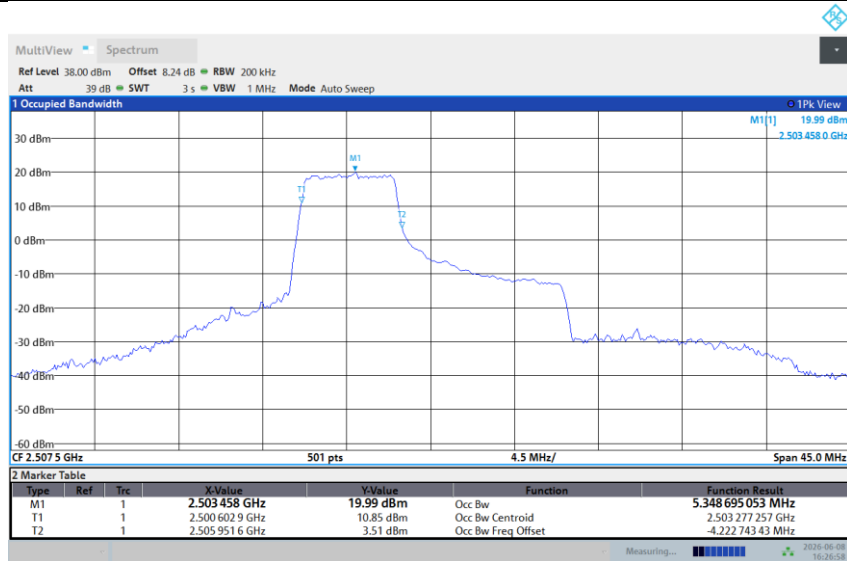
Band 7-10M-High-16QAM-Full RB



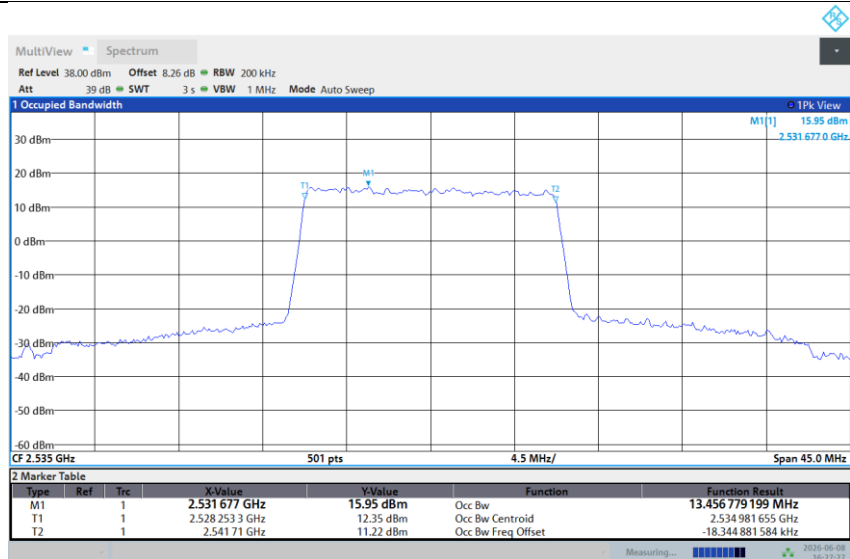
Band 7-15M-Low-QPSK-Full RB



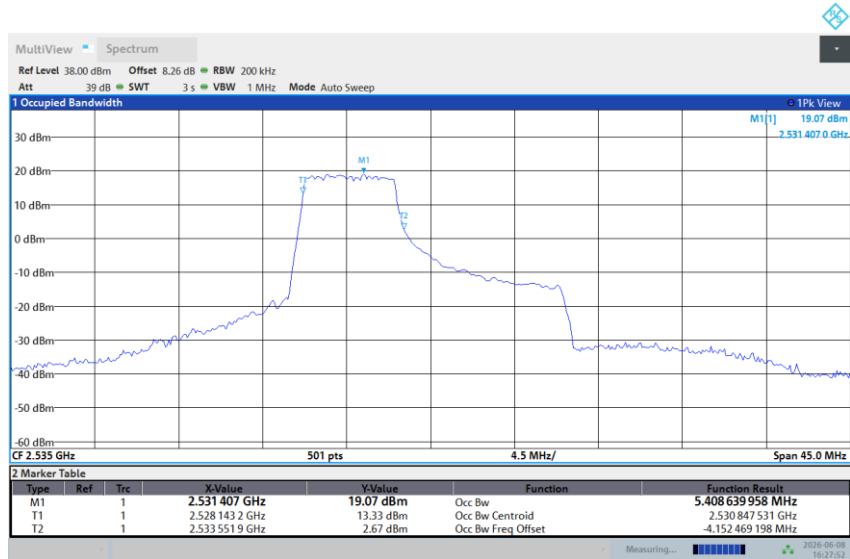
Band 7-15M-Low-16QAM-Full RB



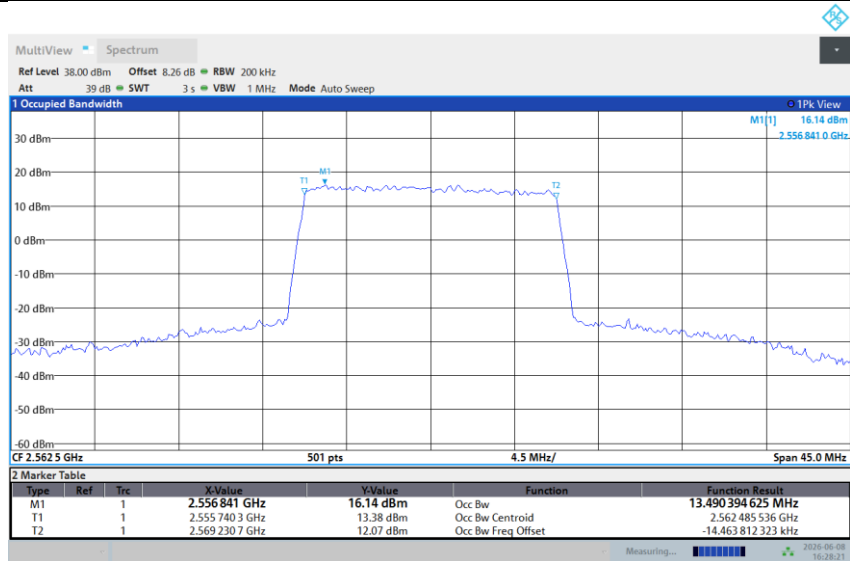
Band 7-15M-Mid-QPSK-Full RB



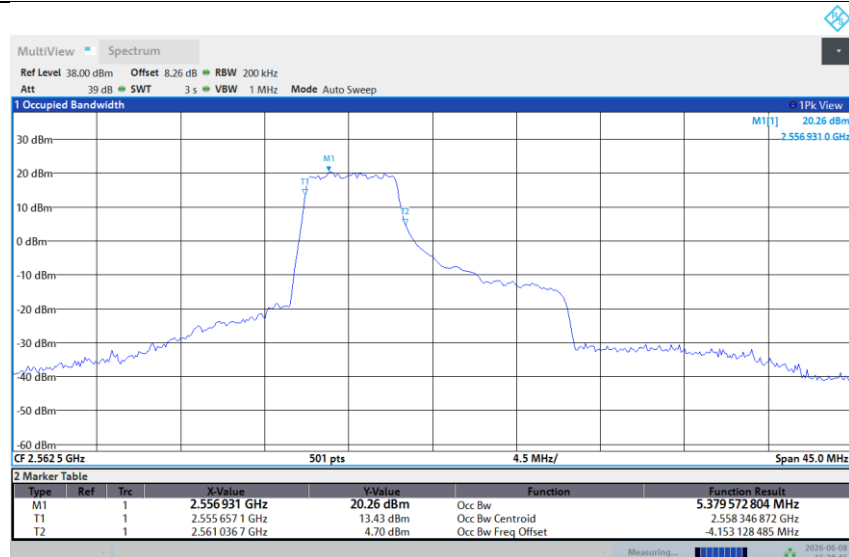
Band 7-15M-Mid-16QAM-Full RB



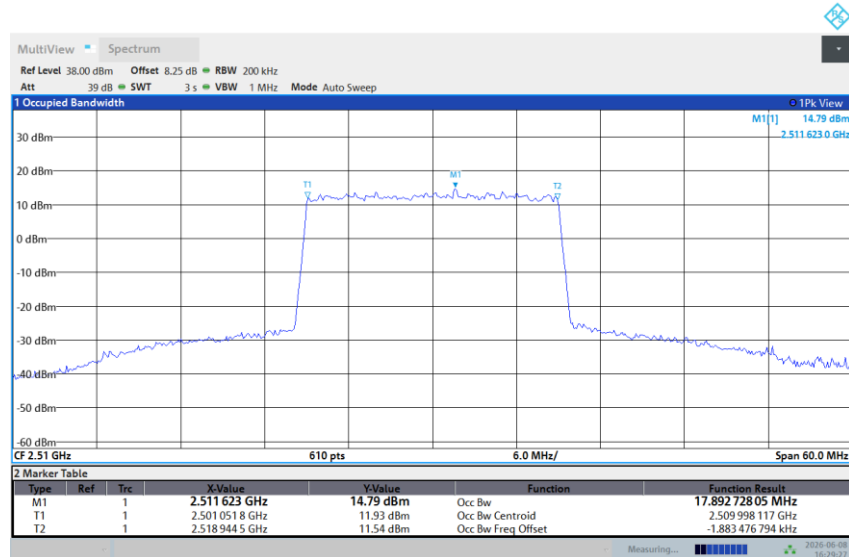
Band 7-15M-High-QPSK-Full RB



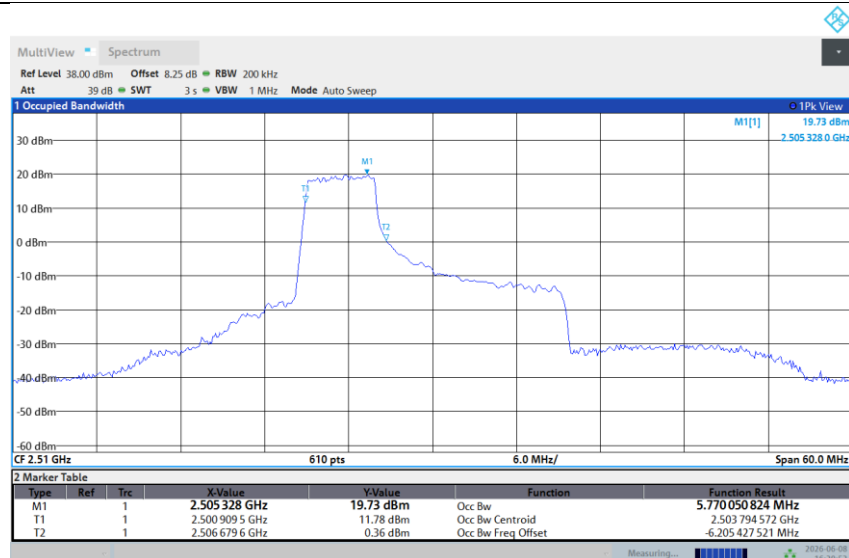
Band 7-15M-High-16QAM-Full RB



Band 7-20M-Low-QPSK-Full RB



Band 7-20M-Low-16QAM-Full RB

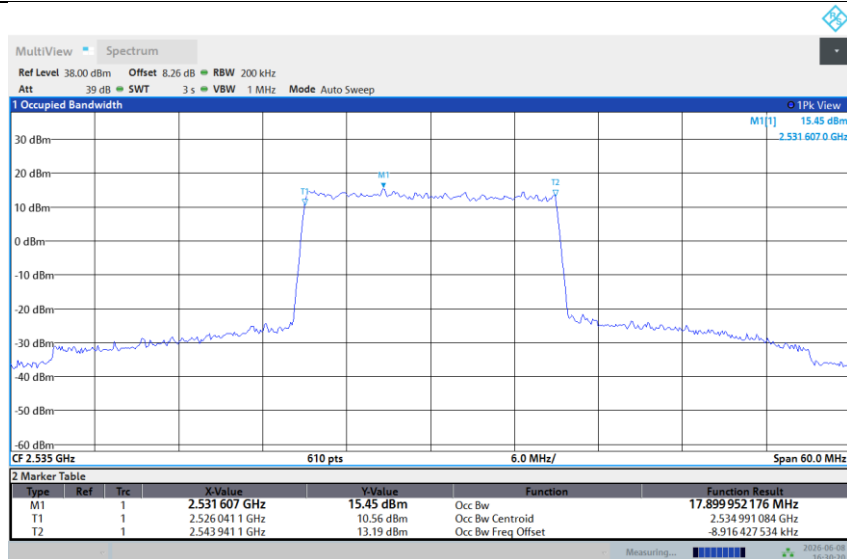


Band 7-20M-Mid-QPSK-Full RB

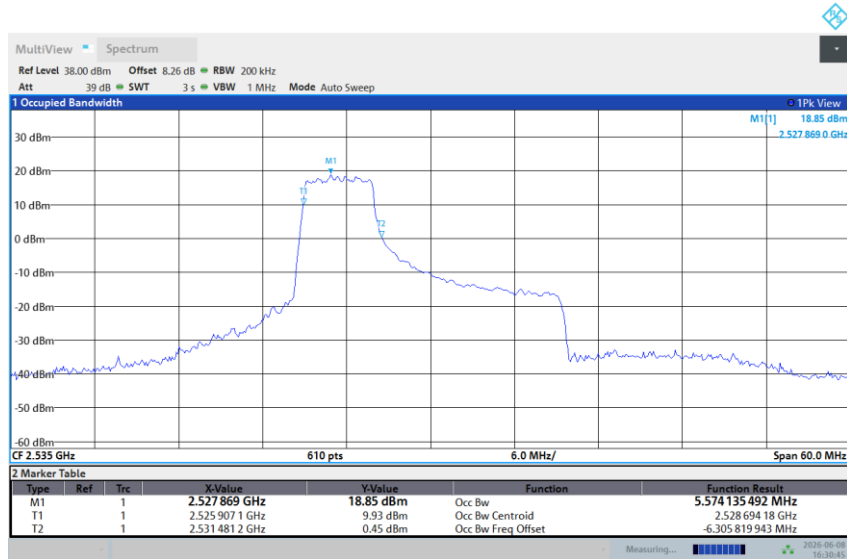
BOOMWAVE TEST (SHENZHEN)
CO., LTD.

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

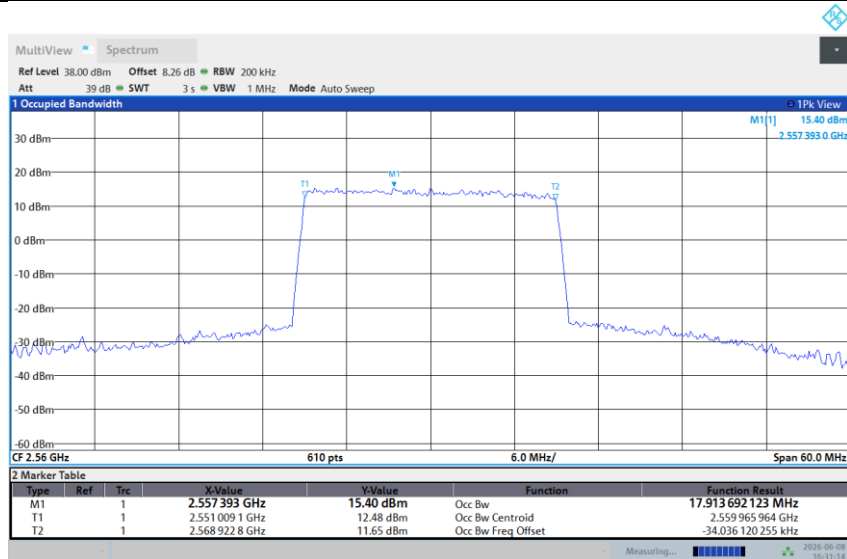
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



Band 7-20M-Mid-16QAM-Full RB



Band 7-20M-High-QPSK-Full RB

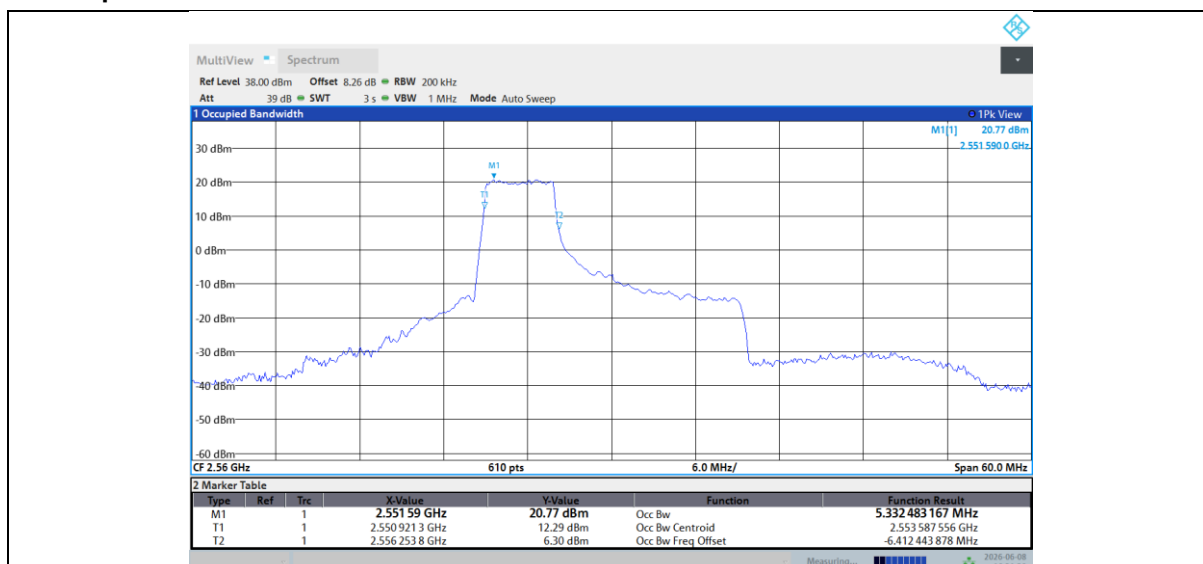


Band 7-20M-High-16QAM-Full RB

BOOMWAVE TEST (SHENZHEN)
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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
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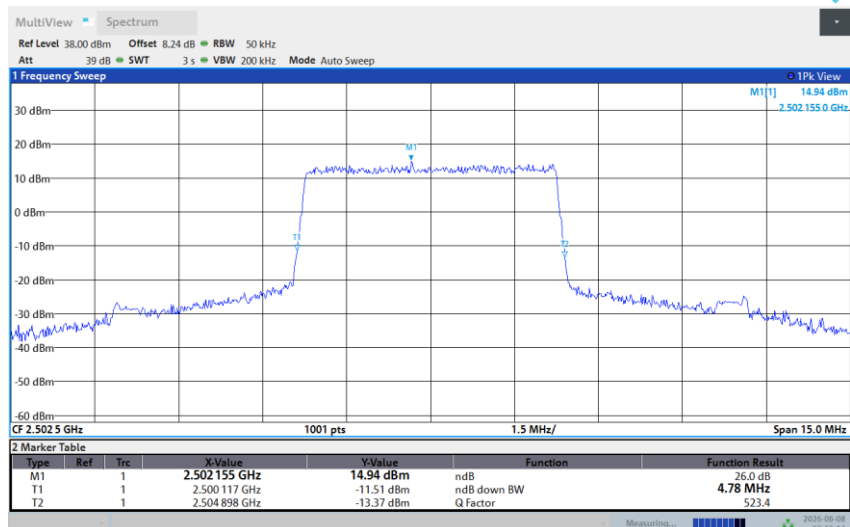
26dB Bandwidth

LTE band 7(-26dBc)

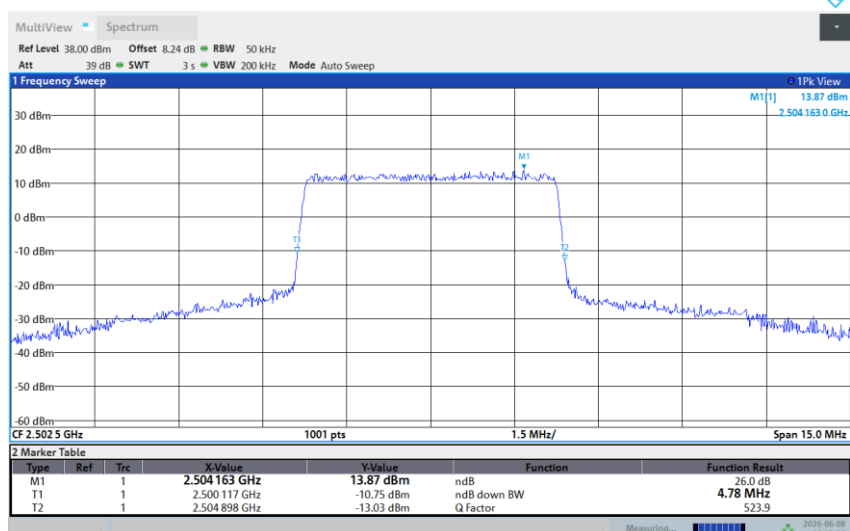
Bandwidth	Modulation	Channel	RB Configuration	26dB Bandwidth(MHz)	Verdict
5MHz	QPSK	20775	Full RB	4.78	PASS
5MHz	16QAM	20775	Full RB	4.78	PASS
5MHz	QPSK	21100	Full RB	4.78	PASS
5MHz	16QAM	21100	Full RB	4.76	PASS
5MHz	QPSK	21425	Full RB	4.78	PASS
5MHz	16QAM	21425	Full RB	4.78	PASS
10MHz	QPSK	20800	Full RB	9.53	PASS
10MHz	16QAM	20800	Full RB	6.41	PASS
10MHz	QPSK	21100	Full RB	9.50	PASS
10MHz	16QAM	21100	Full RB	6.02	PASS
10MHz	QPSK	21400	Full RB	9.50	PASS
10MHz	16QAM	21400	Full RB	6.17	PASS
15MHz	QPSK	20825	Full RB	14.61	PASS
15MHz	16QAM	20825	Full RB	7.33	PASS
15MHz	QPSK	21100	Full RB	14.52	PASS
15MHz	16QAM	21100	Full RB	7.60	PASS
15MHz	QPSK	21375	Full RB	14.65	PASS
15MHz	16QAM	21375	Full RB	7.19	PASS
20MHz	QPSK	20850	Full RB	18.88	PASS
20MHz	16QAM	20850	Full RB	7.61	PASS
20MHz	QPSK	21100	Full RB	18.94	PASS
20MHz	16QAM	21100	Full RB	7.25	PASS
20MHz	QPSK	21350	Full RB	19.06	PASS
20MHz	16QAM	21350	Full RB	7.37	PASS

Test Graphs

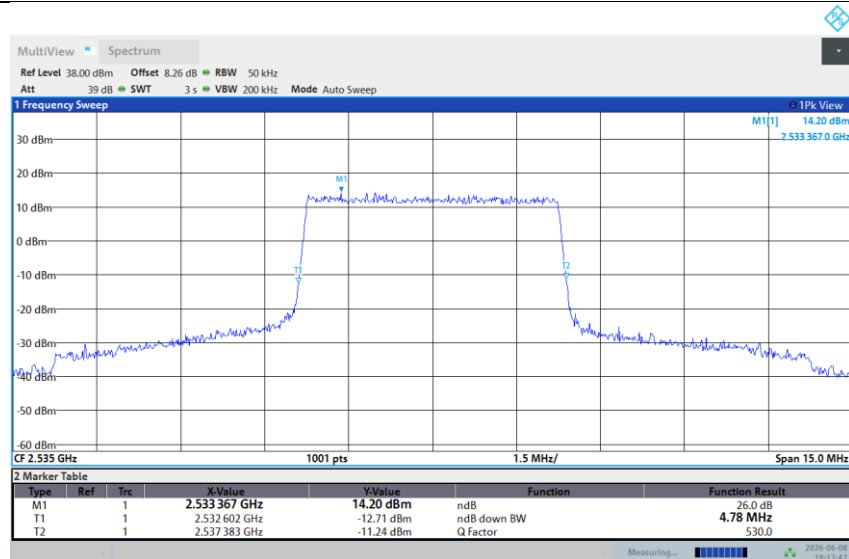
Band 7-5M-Low-QPSK-Full RB



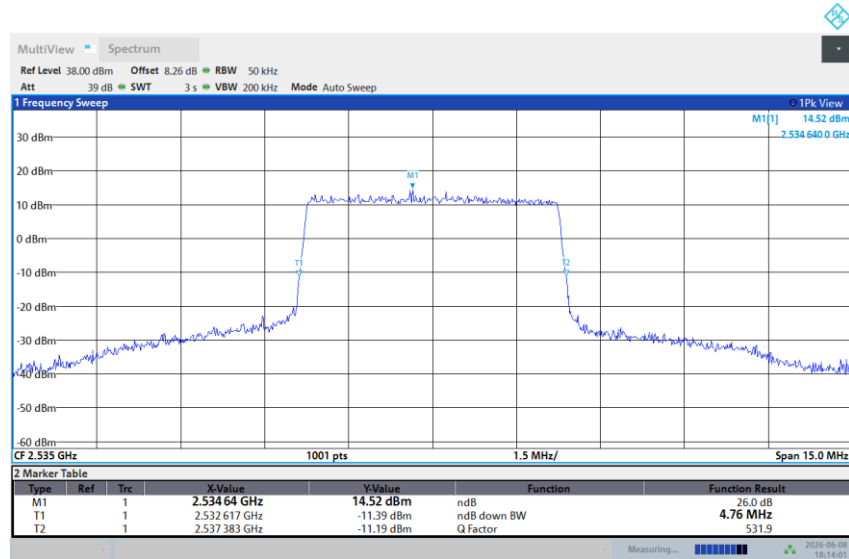
Band 7-5M-Low-16QAM-Full RB



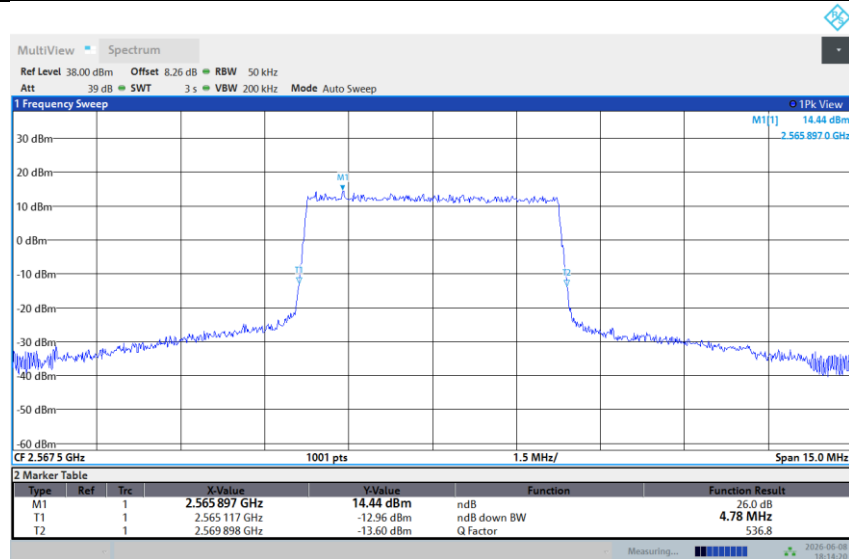
Band 7-5M-Mid-QPSK-Full RB



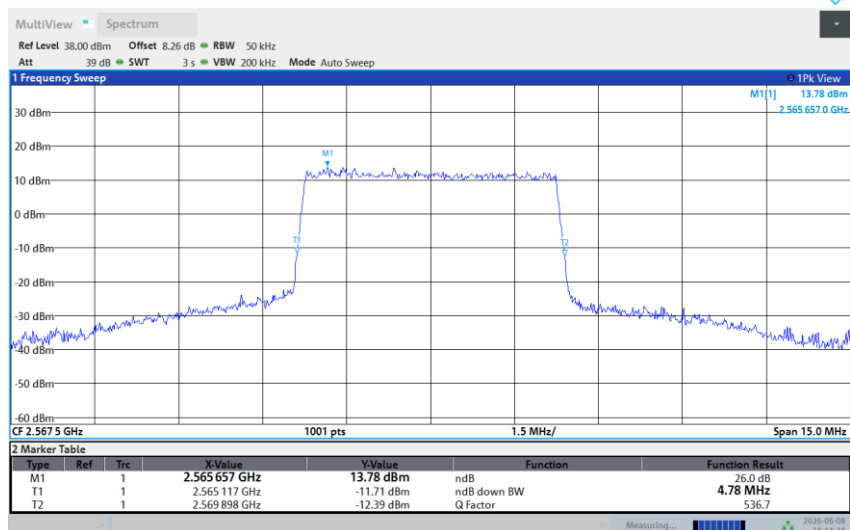
Band 7-5M-Mid-16QAM-Full RB



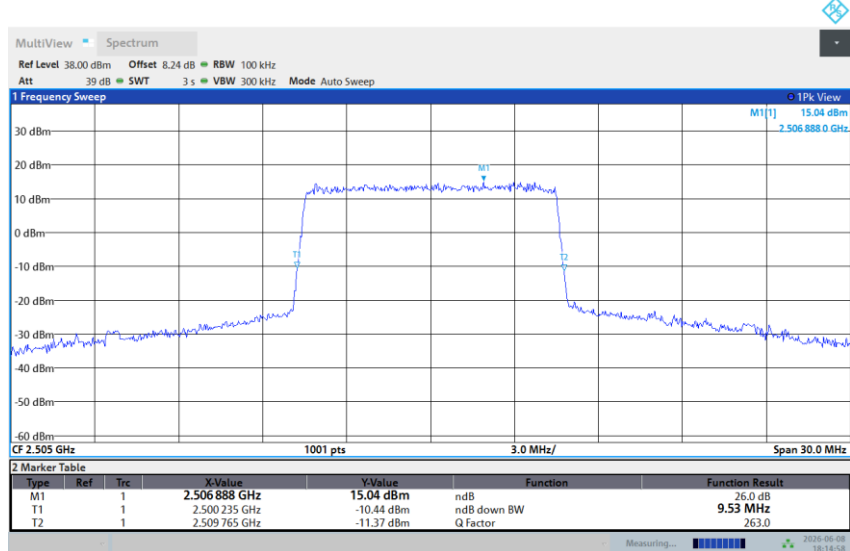
Band 7-5M-High-QPSK-Full RB



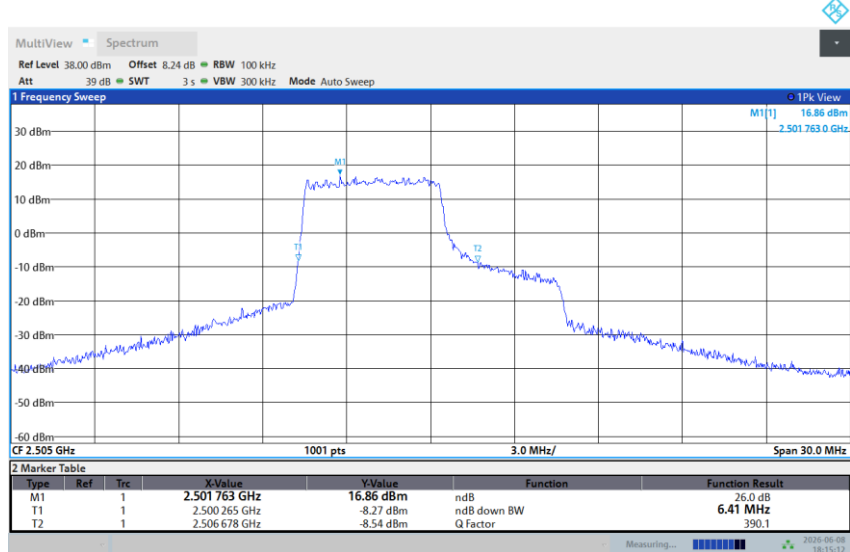
Band 7-5M-High-16QAM-Full RB



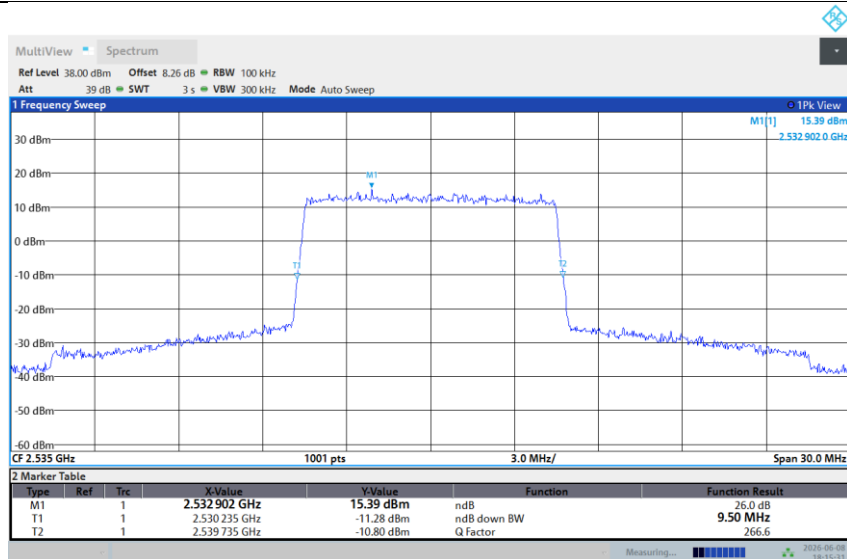
Band 7-10M-Low-QPSK-Full RB



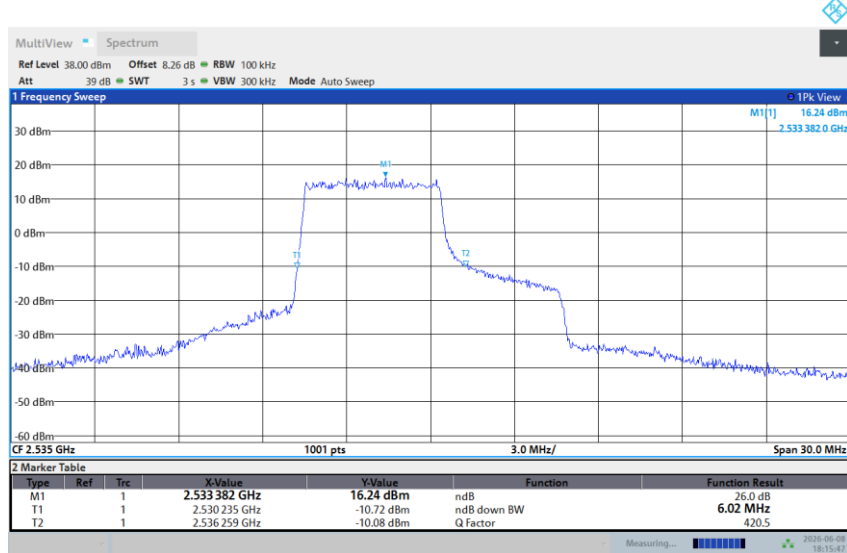
Band 7-10M-Low-16QAM-Full RB



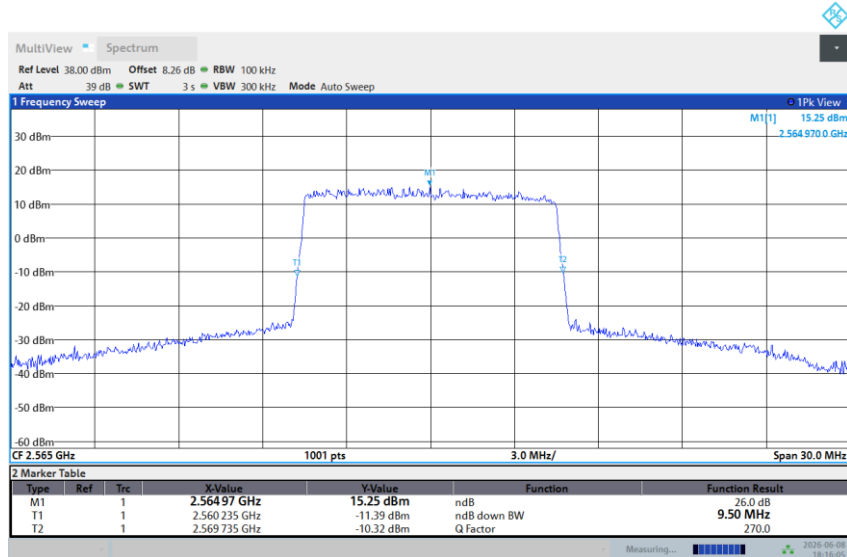
Band 7-10M-Mid-QPSK-Full RB



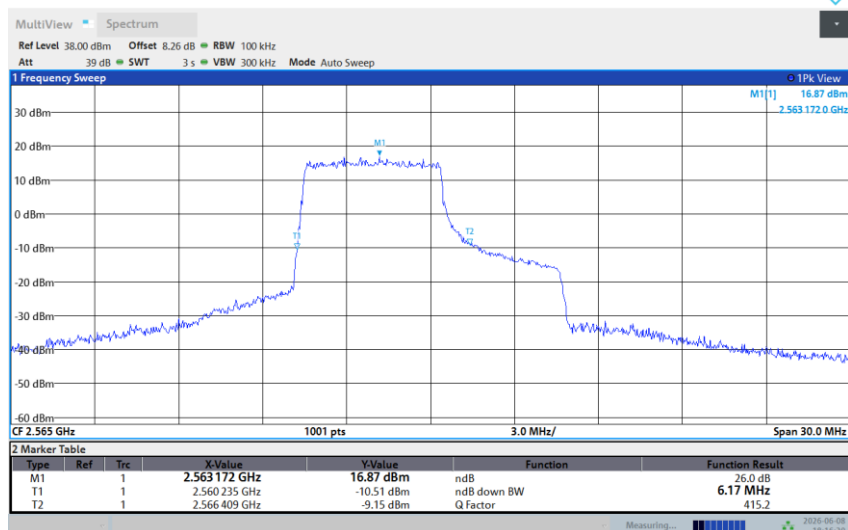
Band 7-10M-Mid-16QAM-Full RB



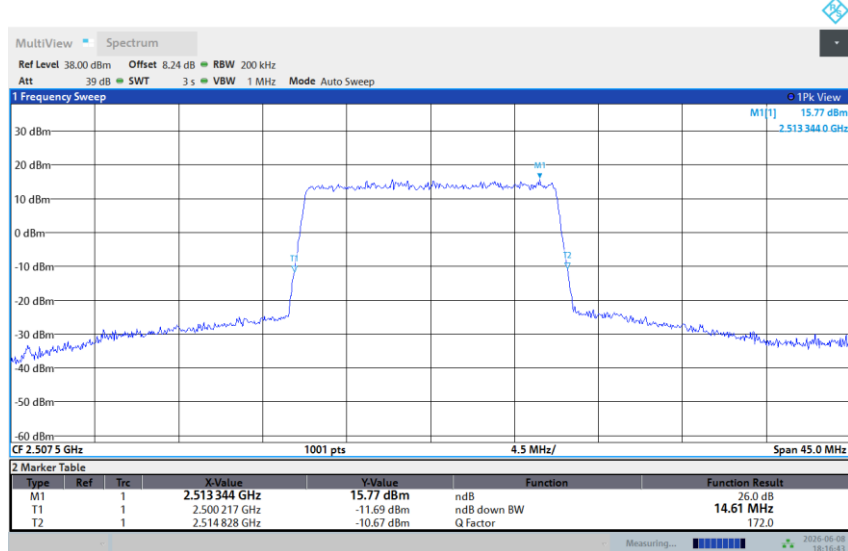
Band 7-10M-High-QPSK-Full RB



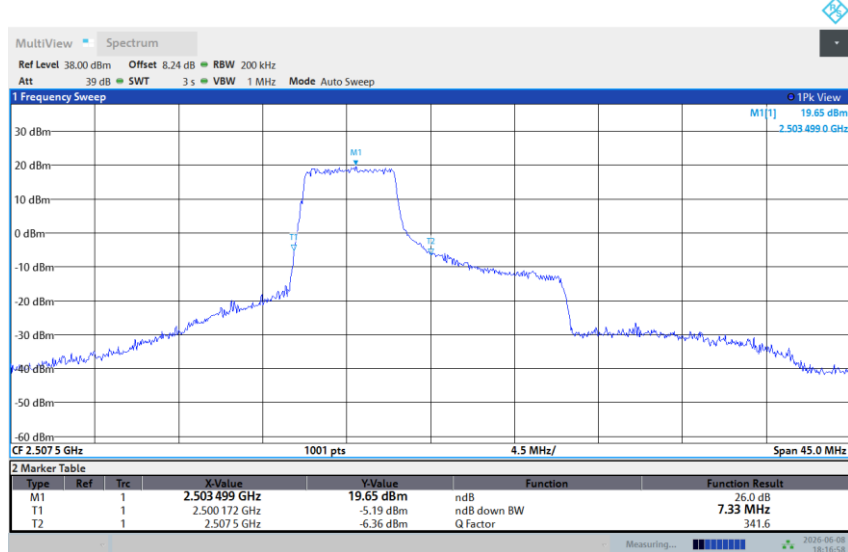
Band 7-10M-High-16QAM-Full RB



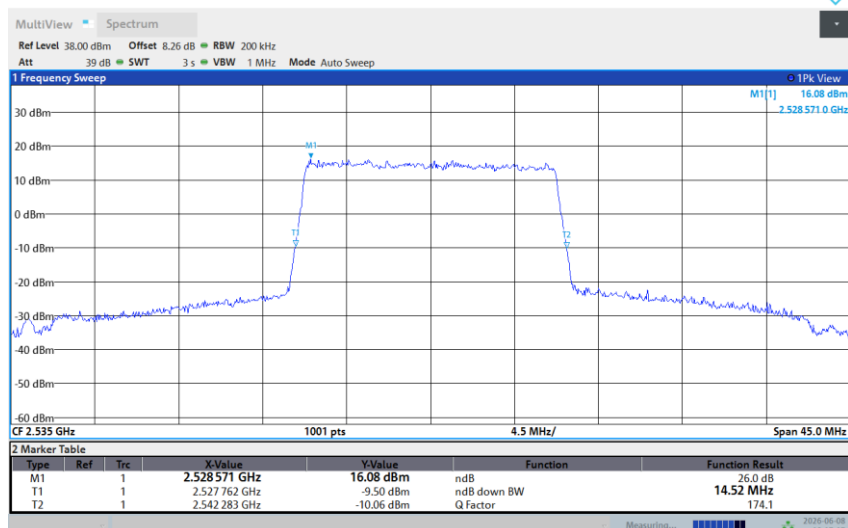
Band 7-15M-Low-QPSK-Full RB



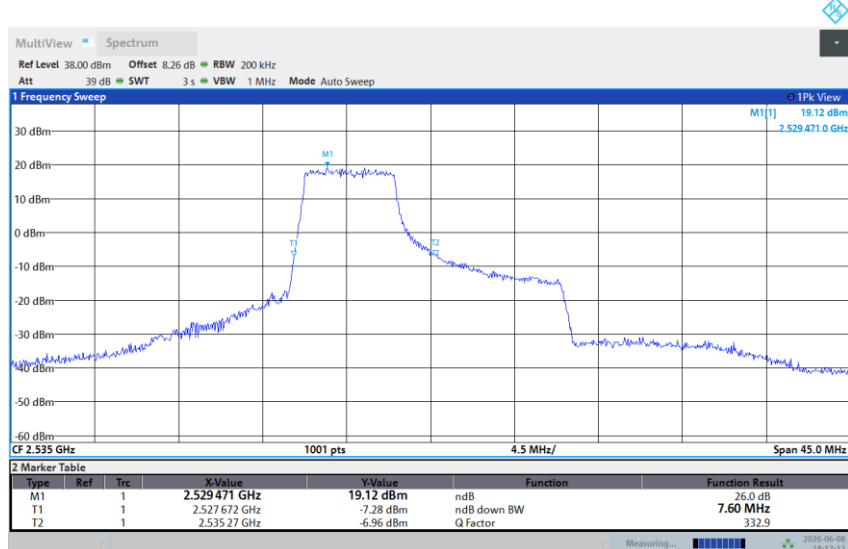
Band 7-15M-Low-16QAM-Full RB



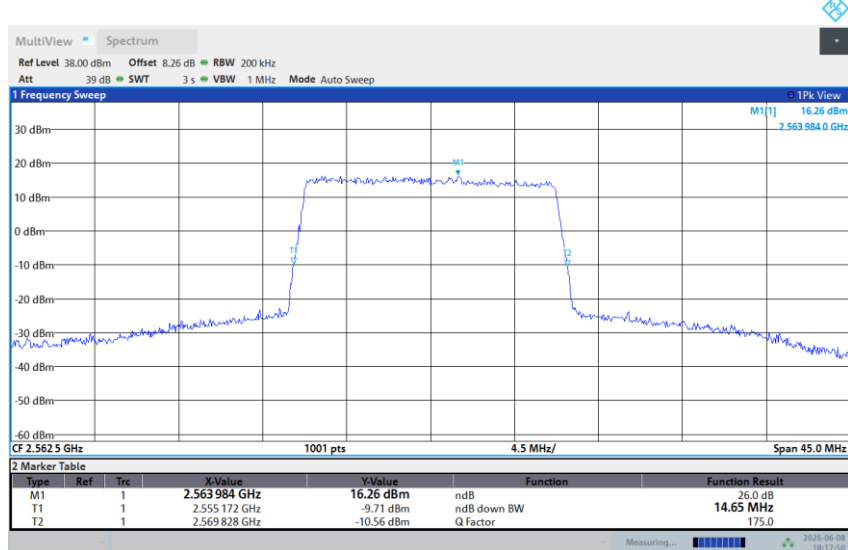
Band 7-15M-Mid-QPSK-Full RB



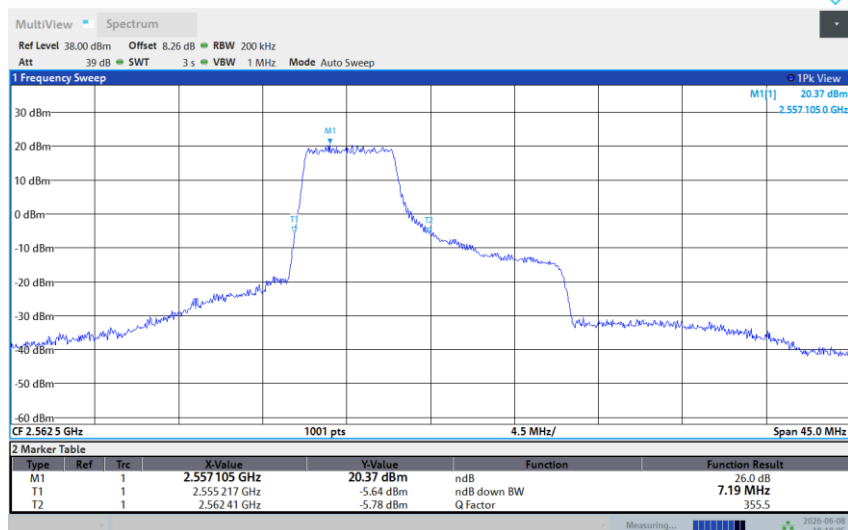
Band 7-15M-Mid-16QAM-Full RB



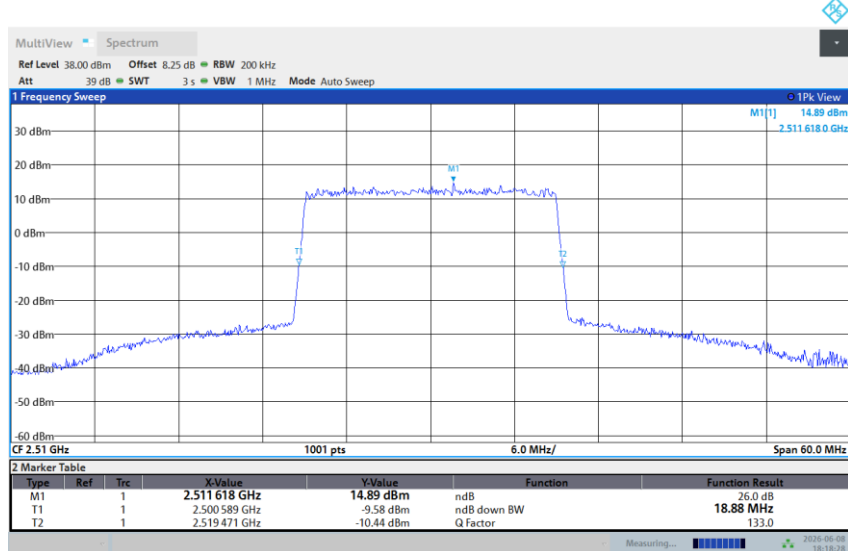
Band 7-15M-High-QPSK-Full RB



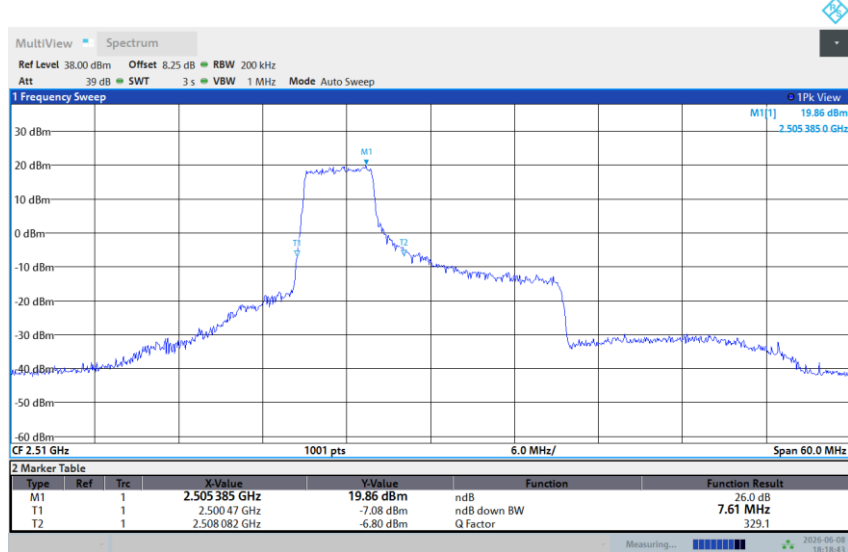
Band 7-15M-High-16QAM-Full RB



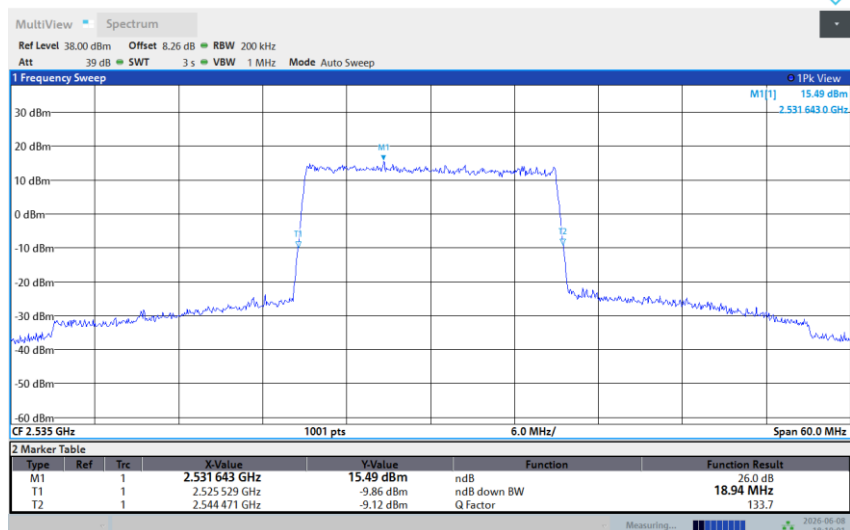
Band 7-20M-Low-QPSK-Full RB



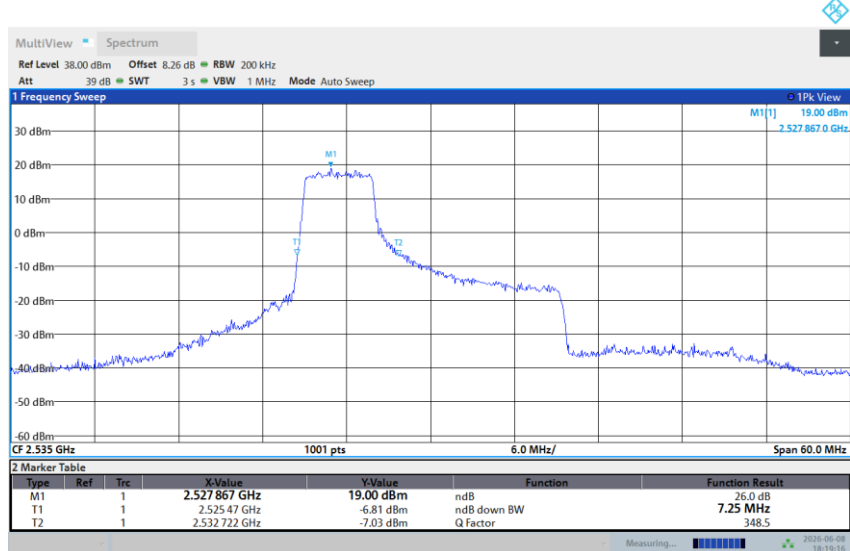
Band 7-20M-Low-16QAM-Full RB



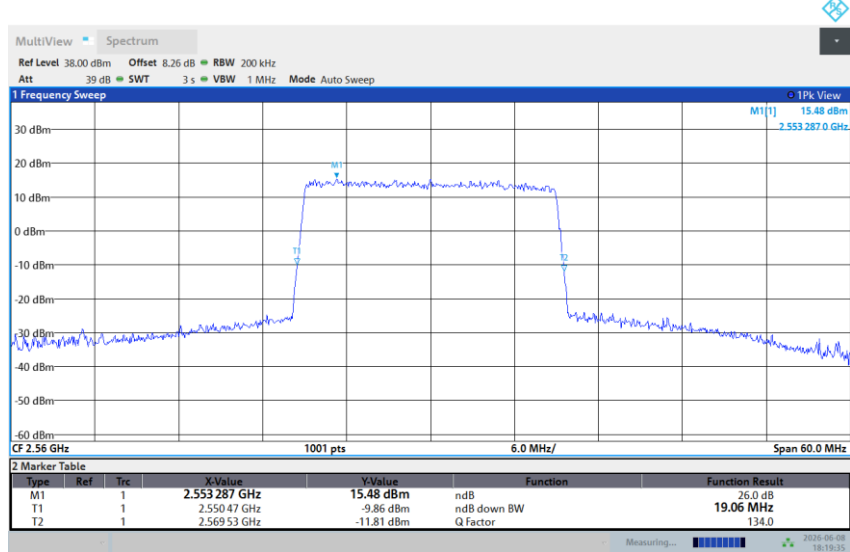
Band 7-20M-Mid-QPSK-Full RB



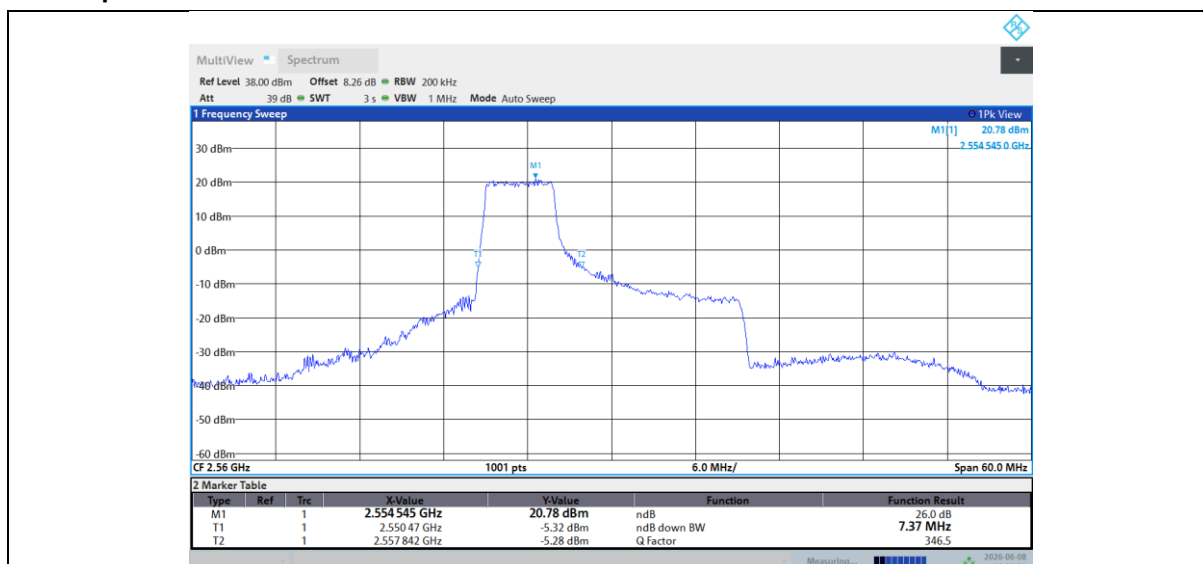
Band 7-20M-Mid-16QAM-Full RB



Band 7-20M-High-QPSK-Full RB



Band 7-20M-High-16QAM-Full RB



BAND EDGE

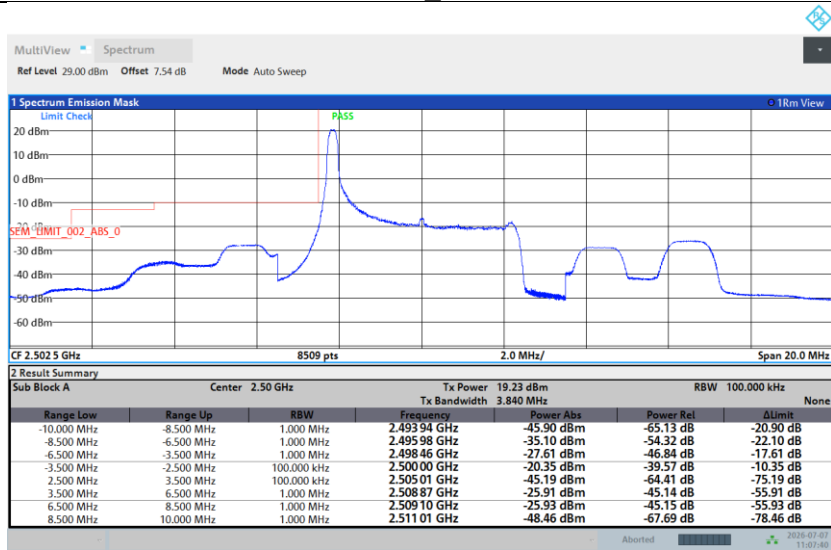
Test Result

LTE band 7

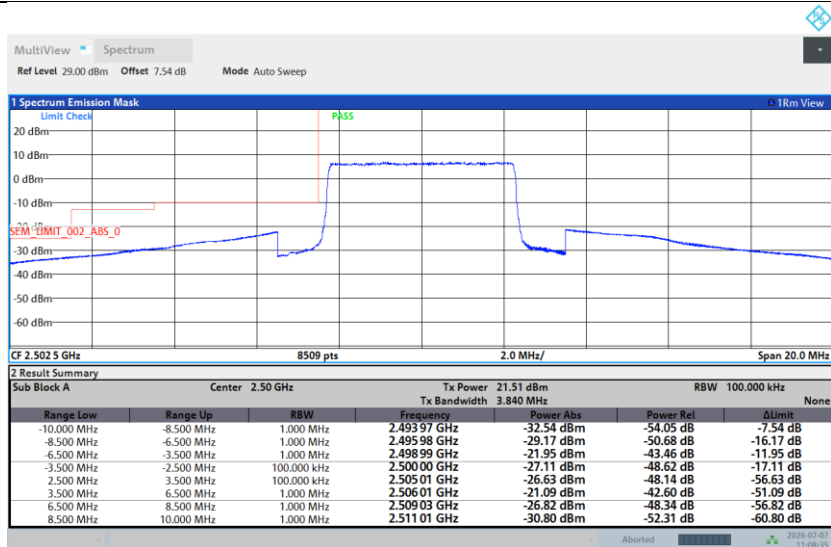
Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
5MHz	QPSK	20775	1RB Low	See Graph1	PASS
5MHz	QPSK	20775	Full RB	See Graph2	PASS
5MHz	16QAM	20775	1RB Low	See Graph3	PASS
5MHz	16QAM	20775	Full RB	See Graph4	PASS
5MHz	QPSK	21425	1RB High	See Graph5	PASS
5MHz	QPSK	21425	Full RB	See Graph6	PASS
5MHz	16QAM	21425	1RB High	See Graph7	PASS
5MHz	16QAM	21425	Full RB	See Graph8	PASS
10MHz	QPSK	20800	1RB Low	See Graph9	PASS
10MHz	QPSK	20800	Full RB	See Graph10	PASS
10MHz	16QAM	20800	1RB Low	See Graph11	PASS
10MHz	16QAM	20800	Full RB	See Graph12	PASS
10MHz	QPSK	21400	1RB High	See Graph13	PASS
10MHz	QPSK	21400	Full RB	See Graph14	PASS
10MHz	16QAM	21400	1RB High	See Graph15	PASS
10MHz	16QAM	21400	Full RB	See Graph16	PASS
15MHz	QPSK	20825	1RB Low	See Graph17	PASS
15MHz	QPSK	20825	Full RB	See Graph18	PASS
15MHz	16QAM	20825	1RB Low	See Graph19	PASS
15MHz	16QAM	20825	Full RB	See Graph20	PASS
15MHz	QPSK	21375	1RB High	See Graph21	PASS
15MHz	QPSK	21375	Full RB	See Graph22	PASS
15MHz	16QAM	21375	1RB High	See Graph23	PASS
15MHz	16QAM	21375	Full RB	See Graph24	PASS
20MHz	QPSK	20850	1RB Low	See Graph25	PASS
20MHz	QPSK	20850	Full RB	See Graph26	PASS
20MHz	16QAM	20850	1RB Low	See Graph27	PASS
20MHz	16QAM	20850	Full RB	See Graph28	PASS
20MHz	QPSK	21350	1RB High	See Graph29	PASS
20MHz	QPSK	21350	Full RB	See Graph30	PASS
20MHz	16QAM	21350	1RB High	See Graph31	PASS
20MHz	16QAM	21350	Full RB	See Graph32	PASS

Test Graphs

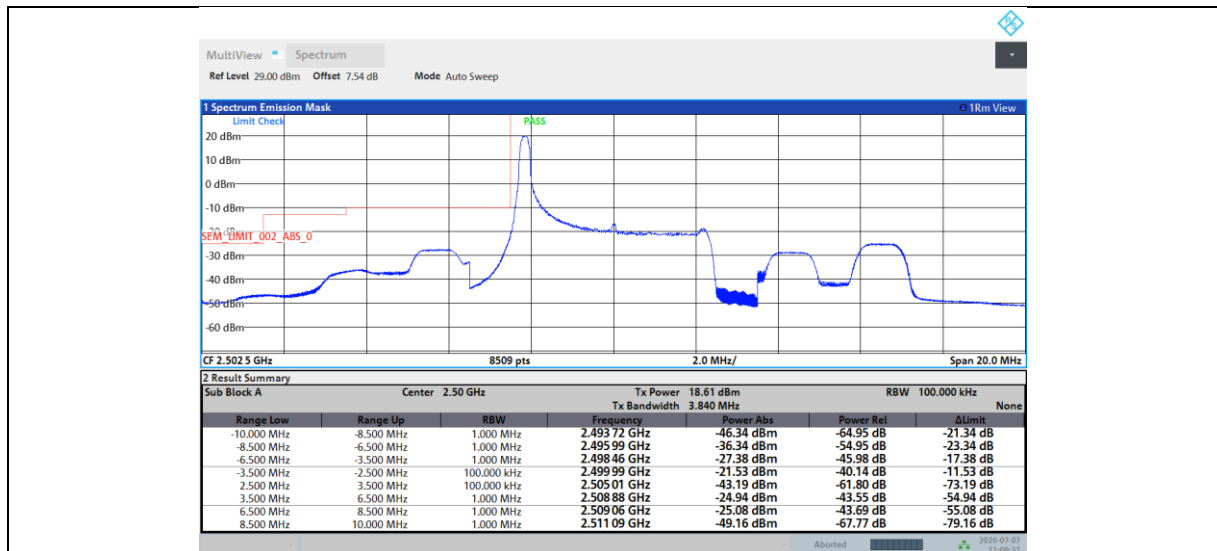
Graph1 LOW BAND EDGE BLOCK-1RB-LOW_offset



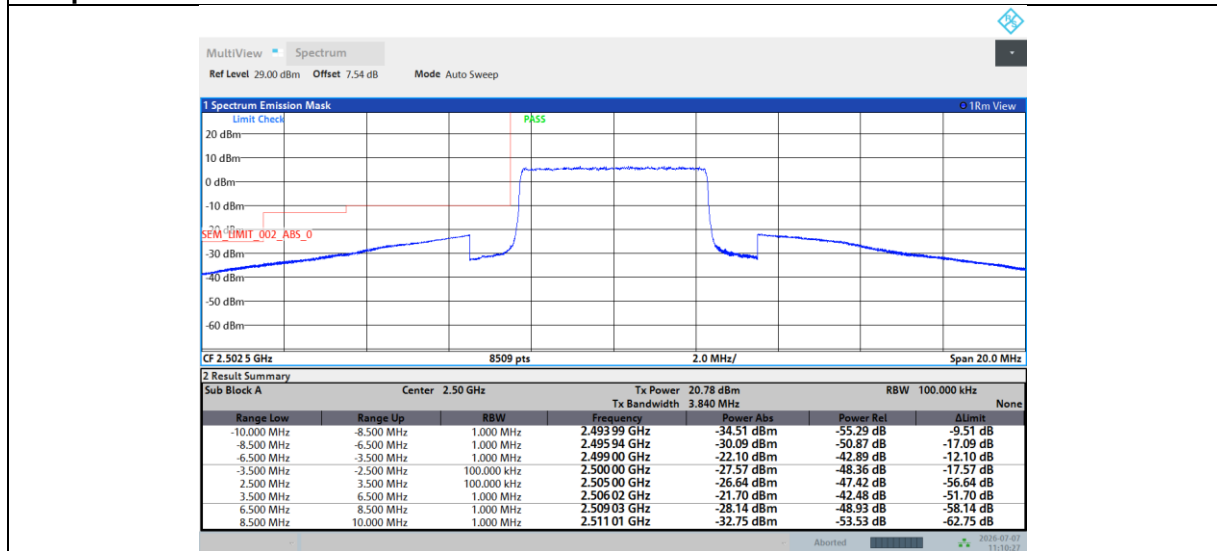
Graph2 LOW BAND EDGE BLOCK-5MHz-100%RB



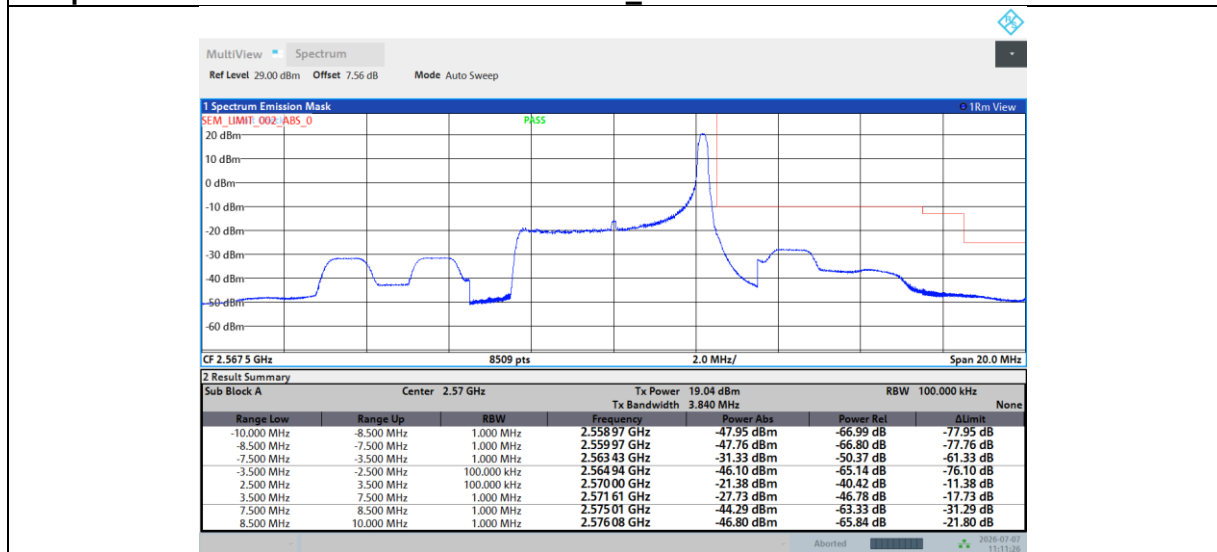
Graph3 LOW BAND EDGE BLOCK-1RB-LOW_offset



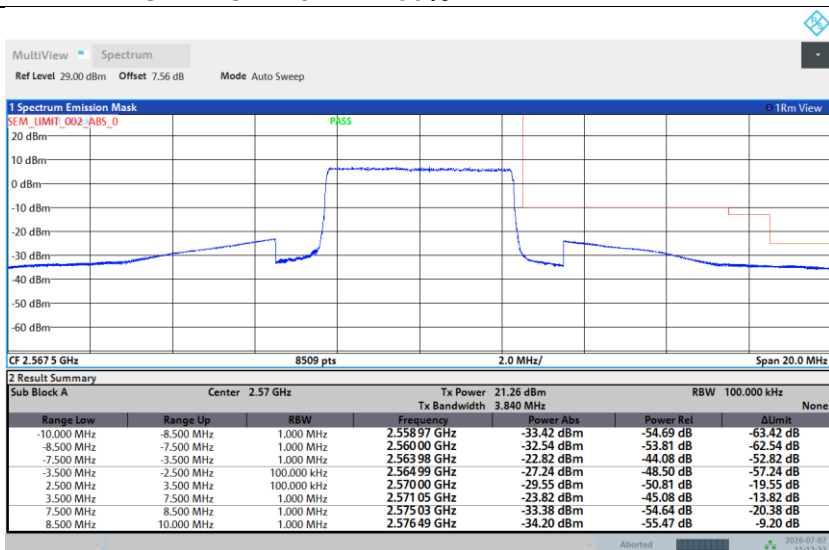
Graph4 LOW BAND EDGE BLOCK-5MHz-100%RB



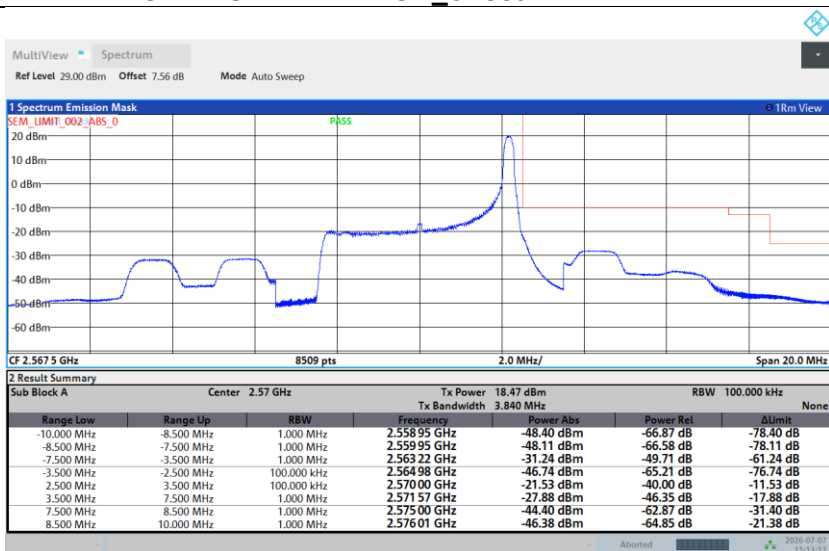
Graph5 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



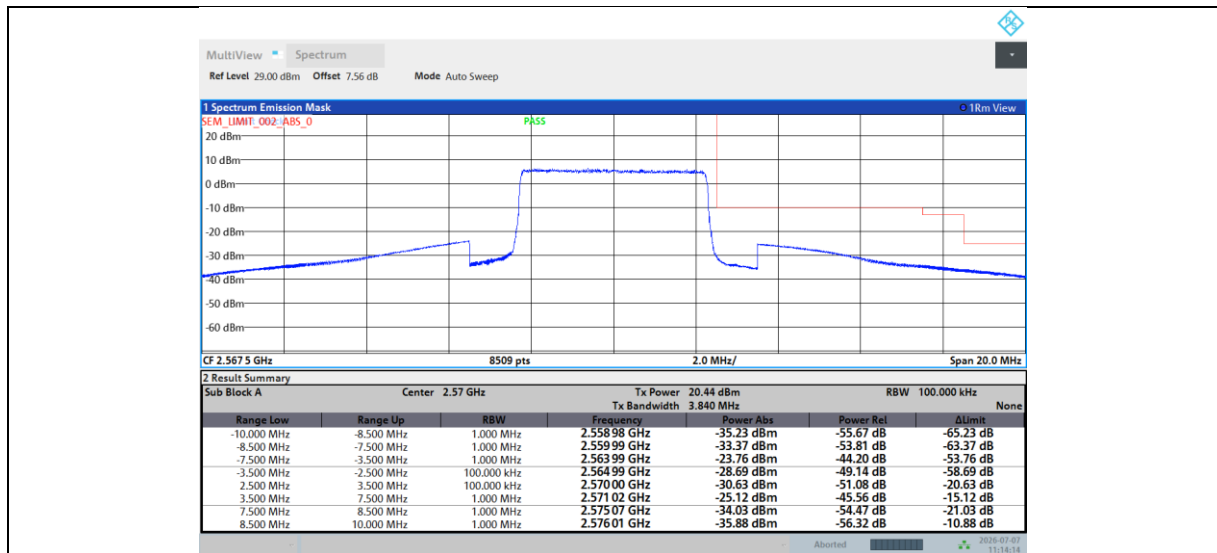
Graph6 HIGH BAND EDGE BLOCK-5MHz-100%RB



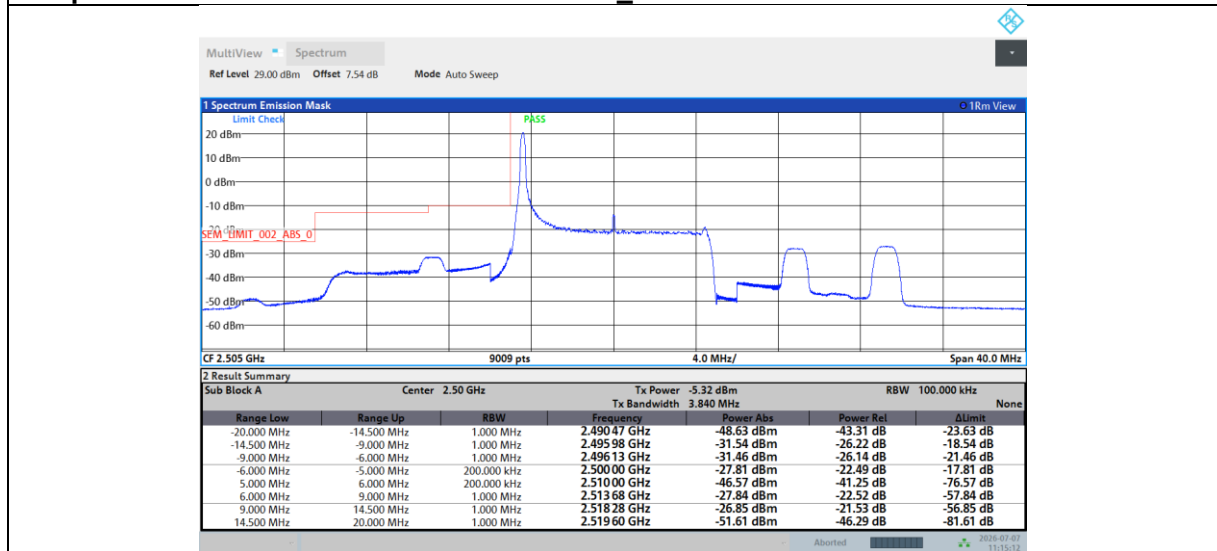
Graph7 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



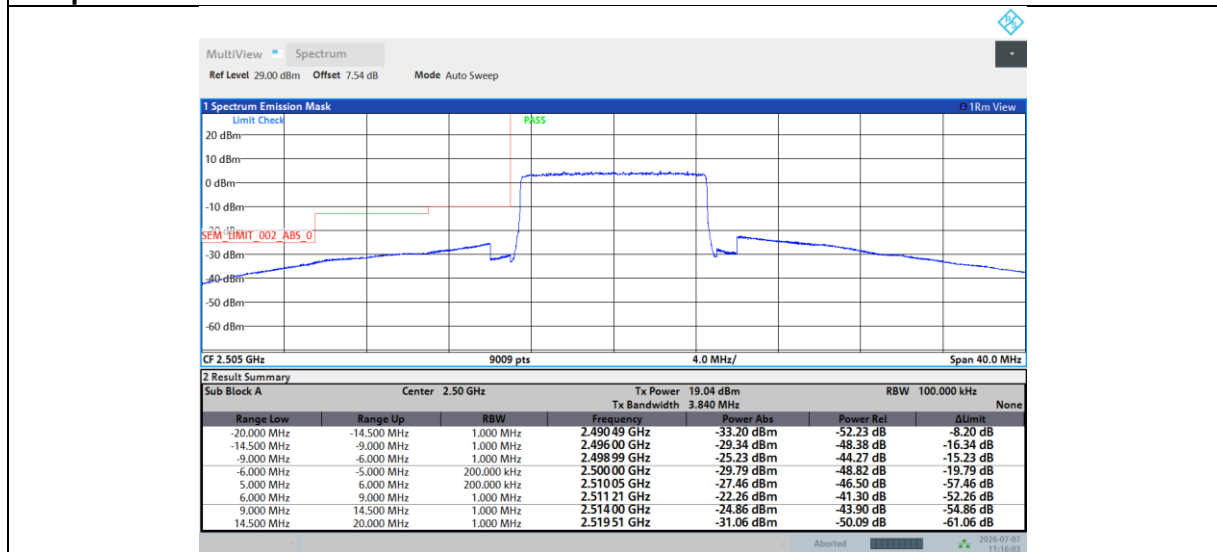
Graph8 HIGH BAND EDGE BLOCK-5MHz-100%RB



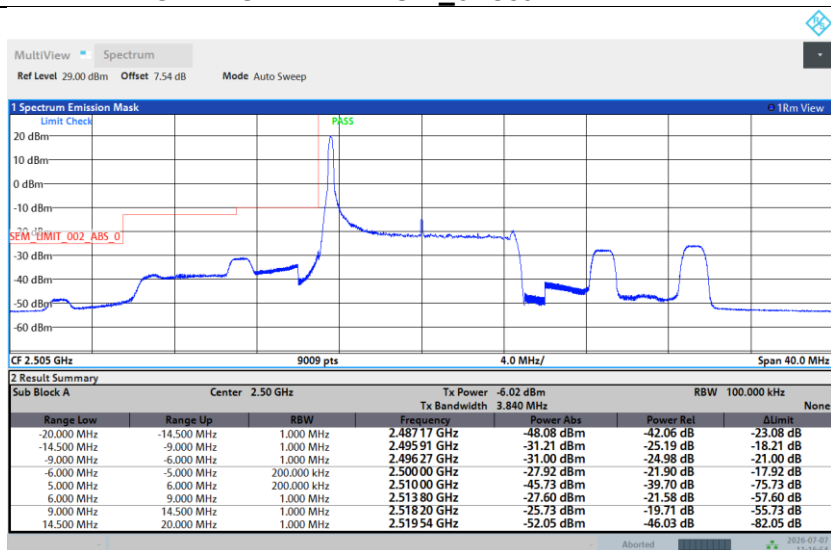
Graph9 LOW BAND EDGE BLOCK-1RB-LOW_offset



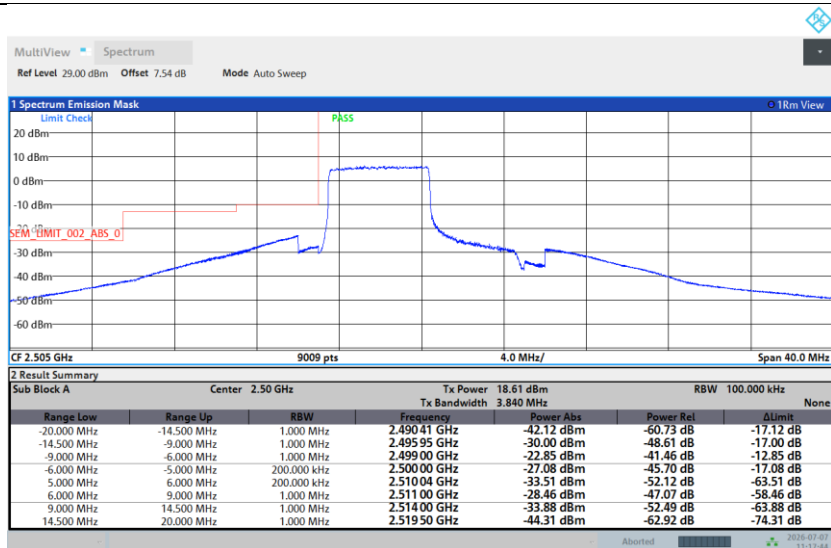
Graph10 LOW BAND EDGE BLOCK-10MHz-100%RB



Graph11 LOW BAND EDGE BLOCK-1RB-LOW_offset



Graph12 LOW BAND EDGE BLOCK-10MHz-100%RB



Graph13 HIGH BAND EDGE BLOCK-1RB-HIGH_offset