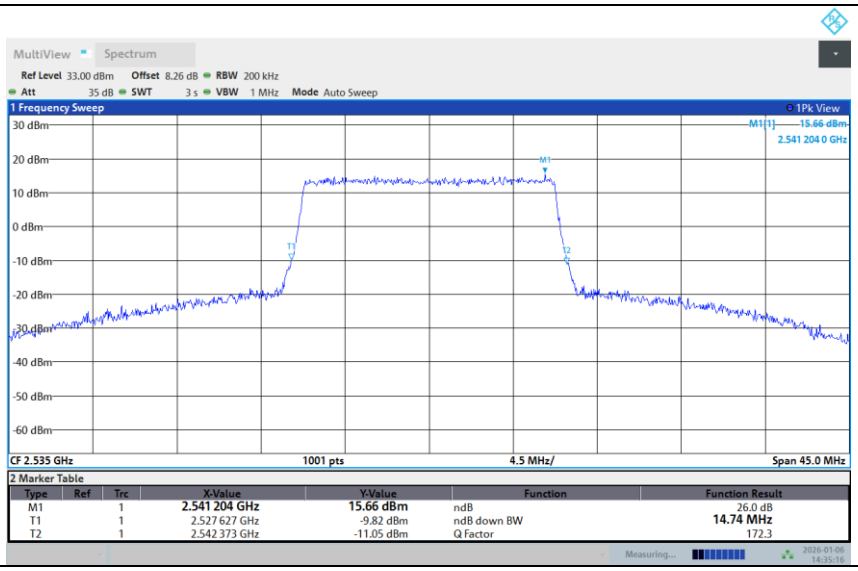
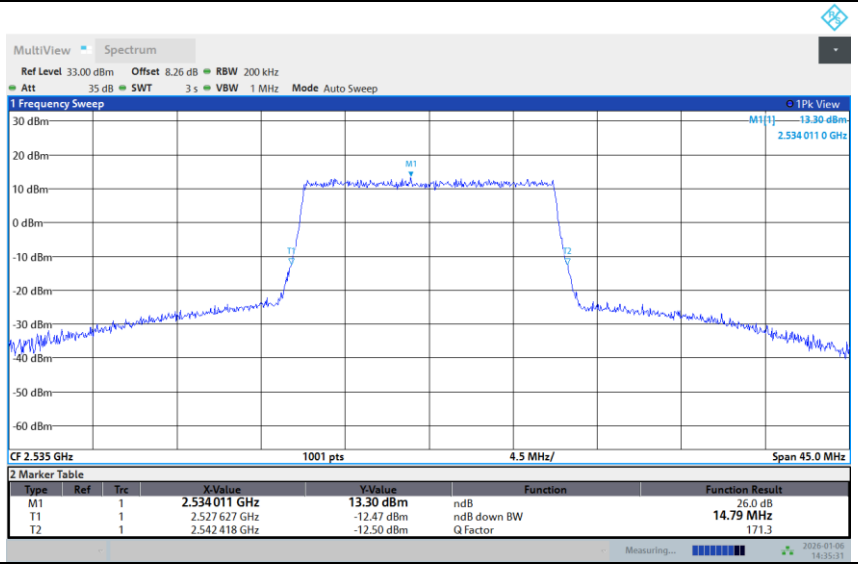
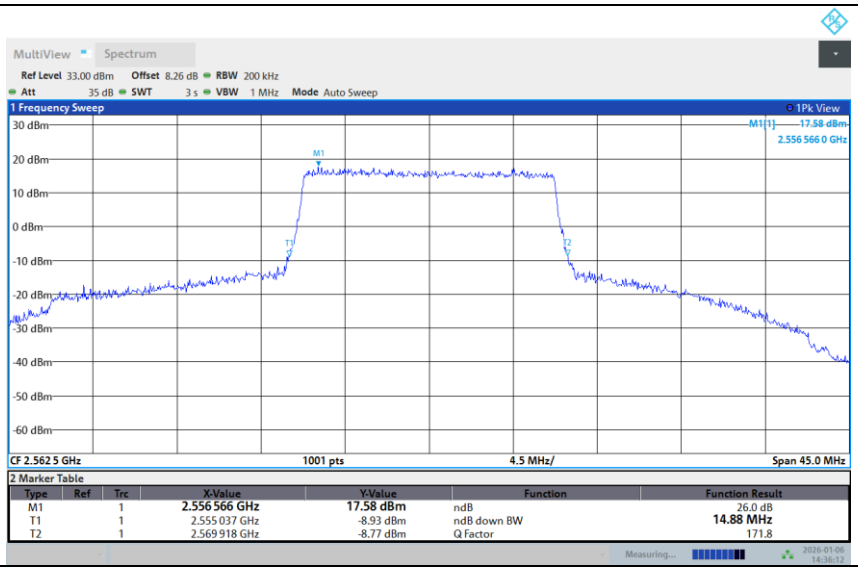


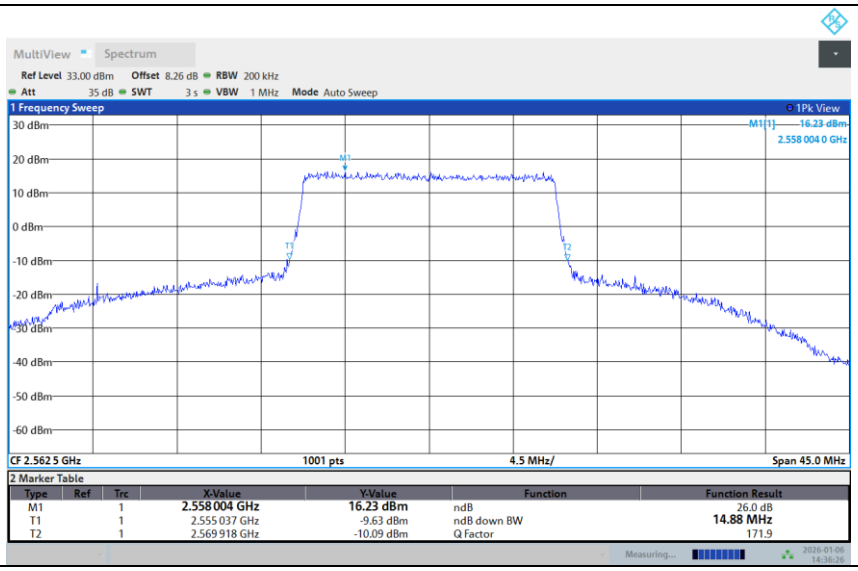
Band 7-15M-MID-256QAM-Full RB



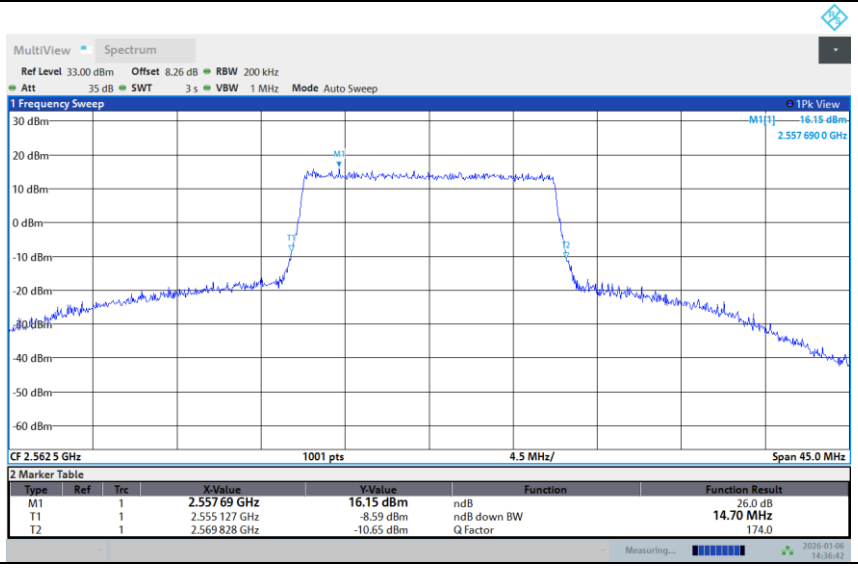
Band 7-15M-HIGH-QPSK-Full RB



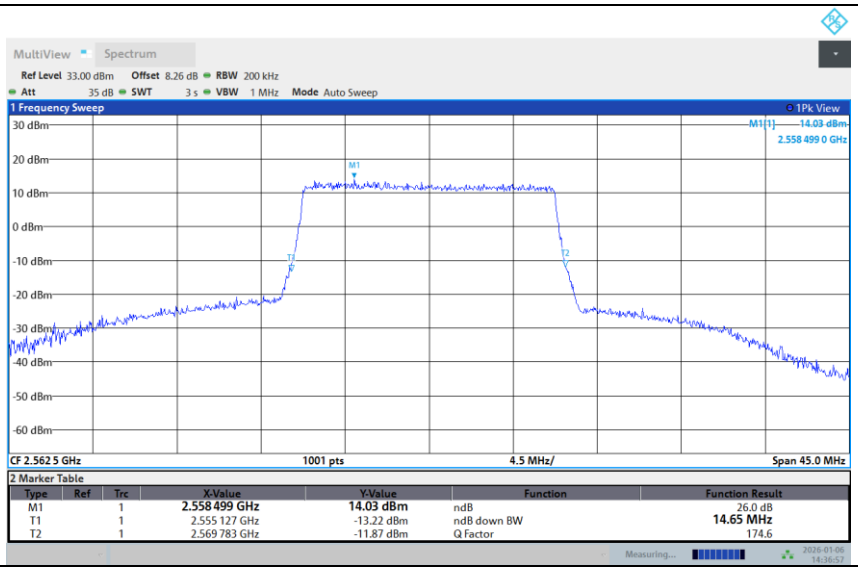
Band 7-15M-HIGH-16QAM-Full RB



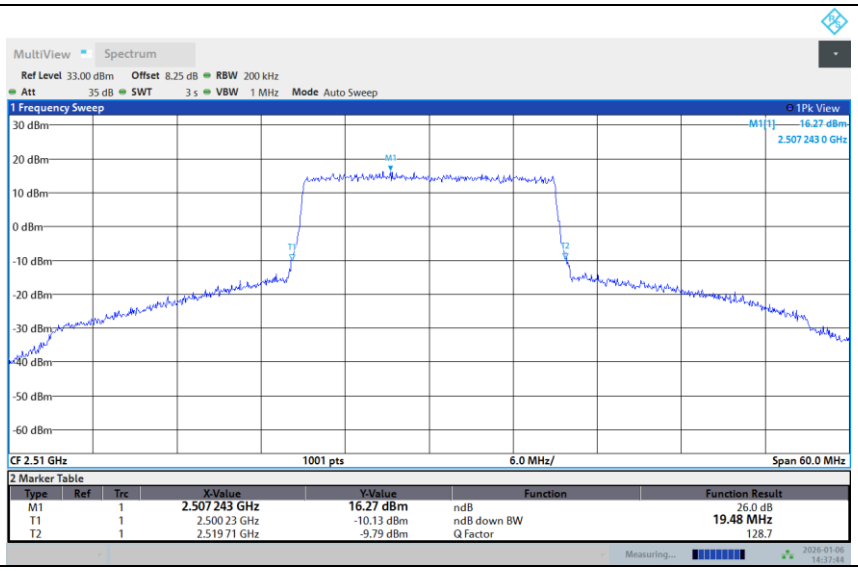
Band 7-15M-HIGH-64QAM-Full RB



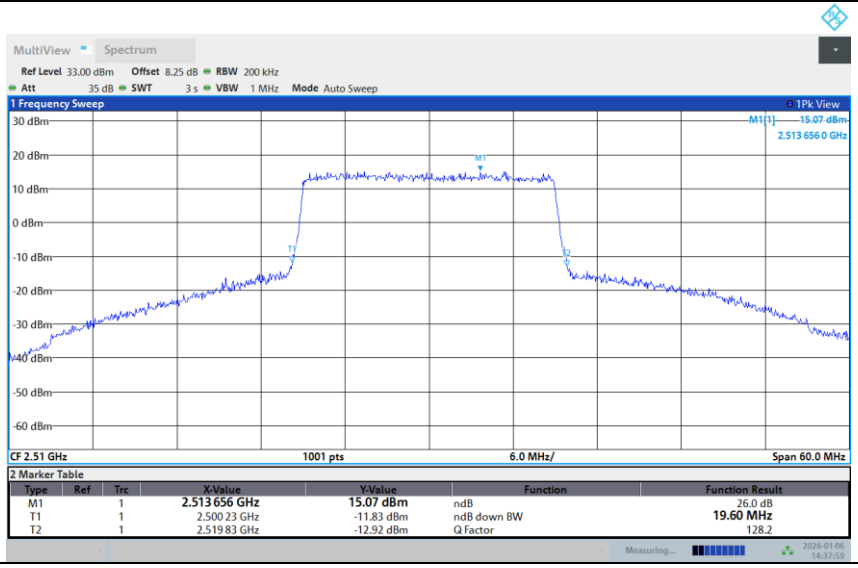
Band 7-15M-HIGH-256QAM-Full RB



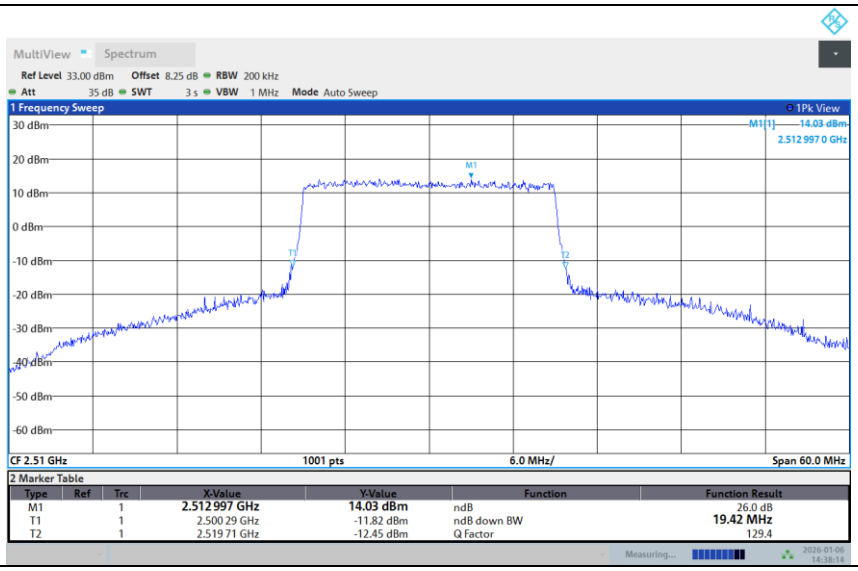
Band 7-20M-LOW-QPSK-Full RB



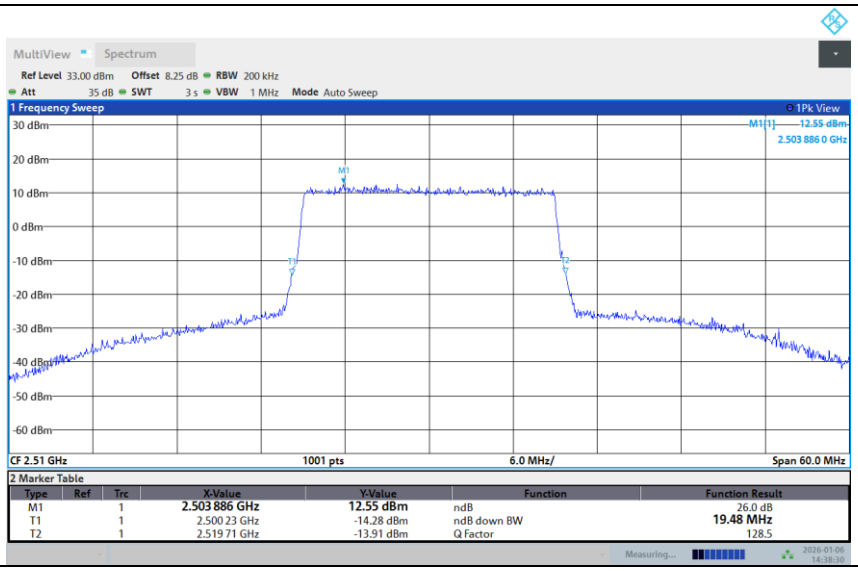
Band 7-20M-LOW-16QAM-Full RB



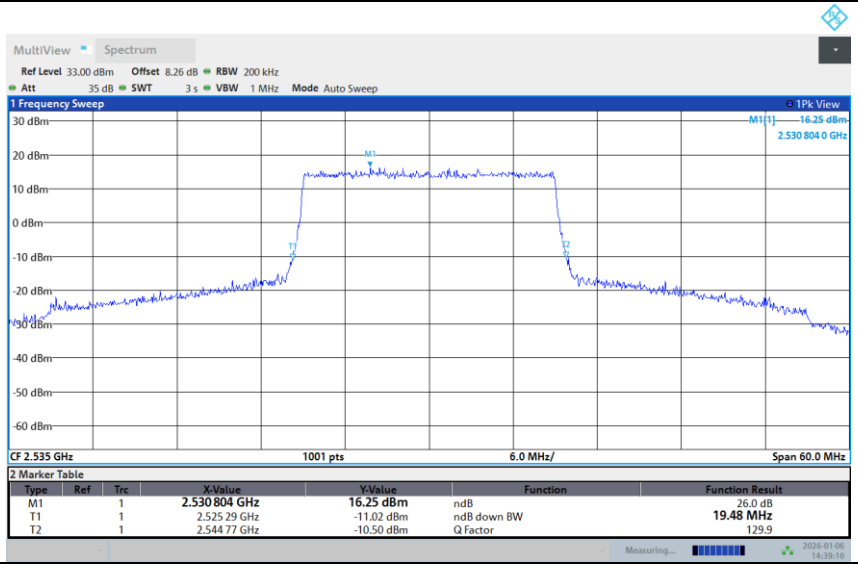
Band 7-20M-LOW-64QAM-Full RB



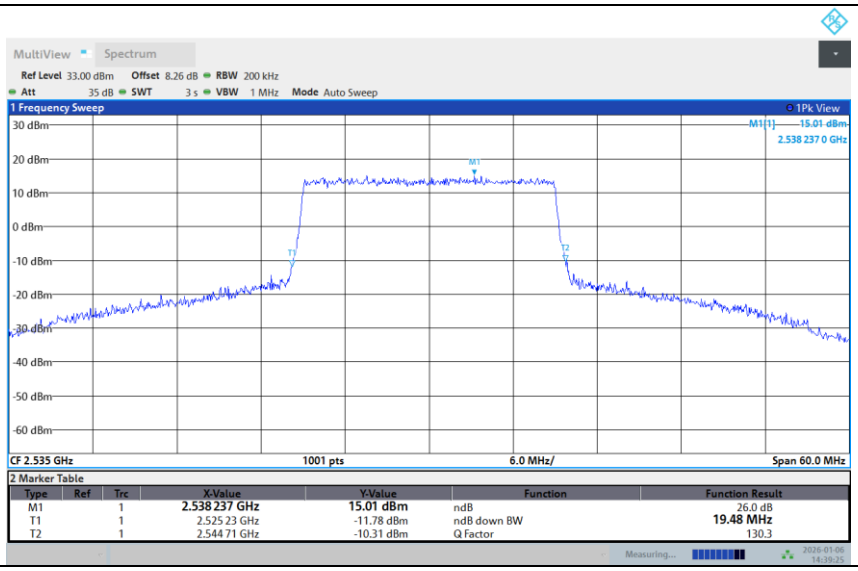
Band 7-20M-LOW-256QAM-Full RB



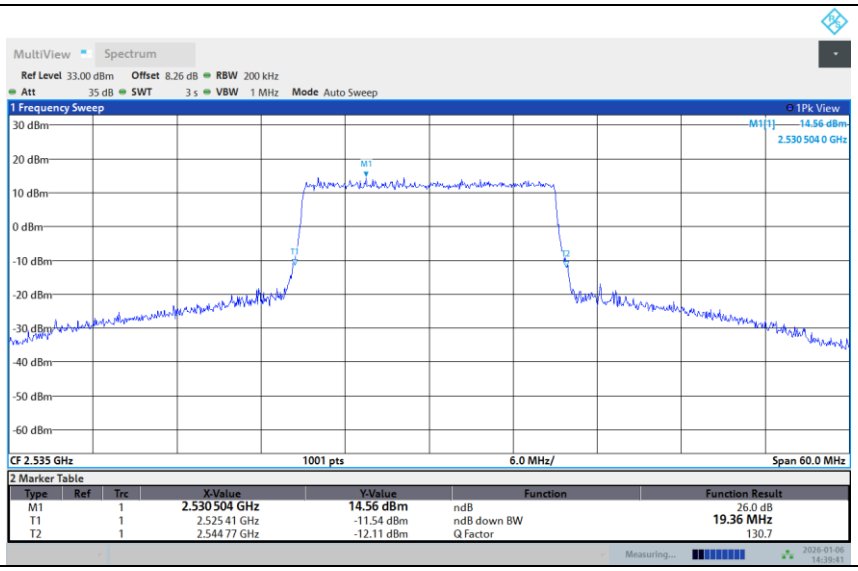
Band 7-20M-MID-QPSK-Full RB



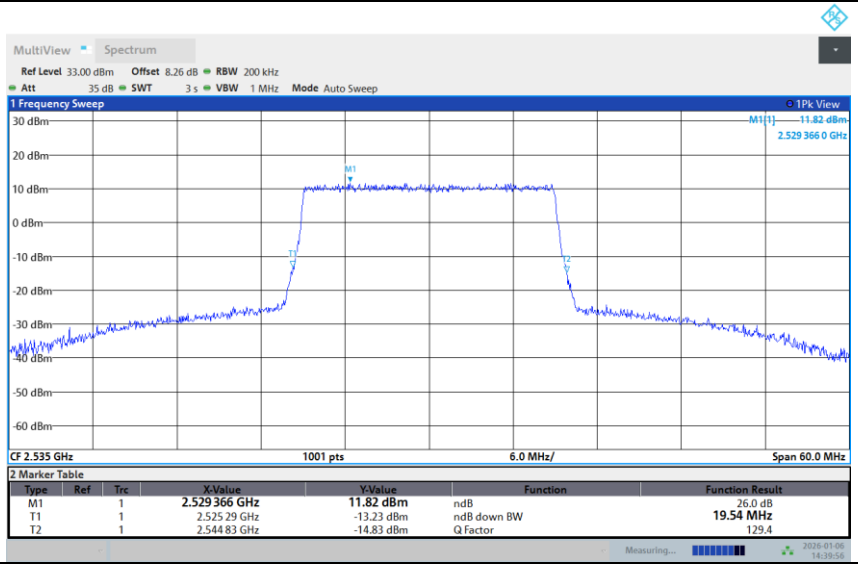
Band 7-20M-MID-16QAM-Full RB



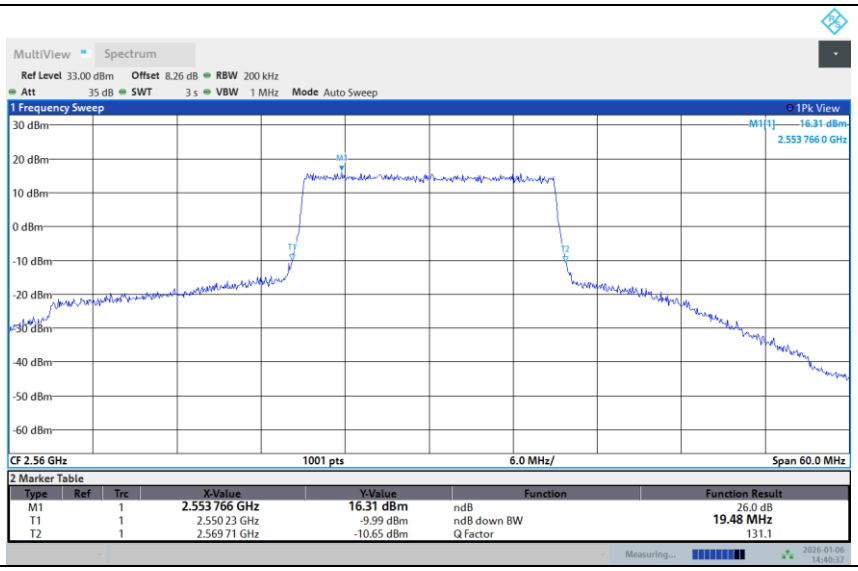
Band 7-20M-MID-64QAM-Full RB



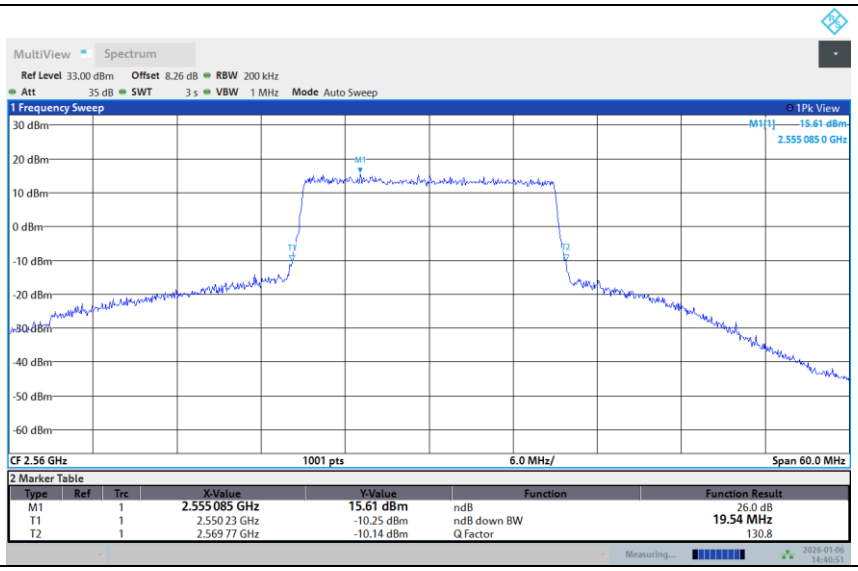
Band 7-20M-MID-256QAM-Full RB



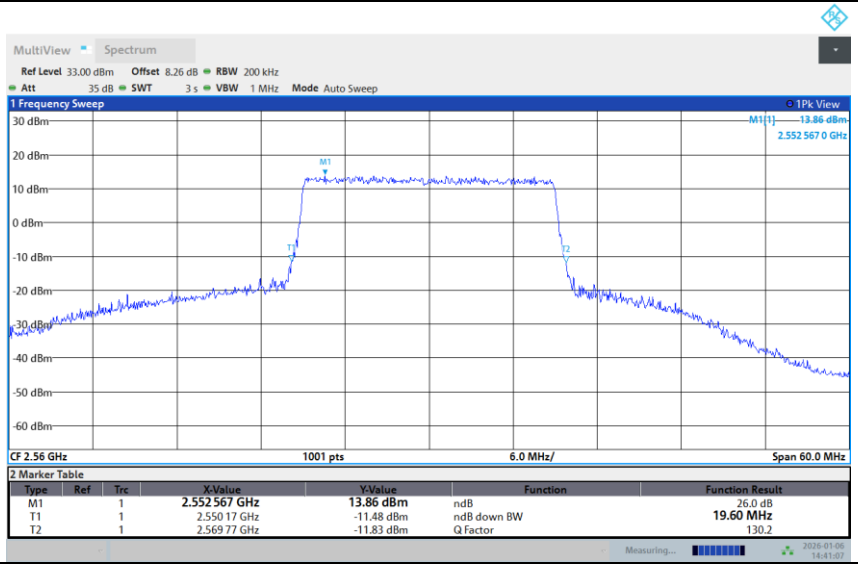
Band 7-20M-HIGH-QPSK-Full RB



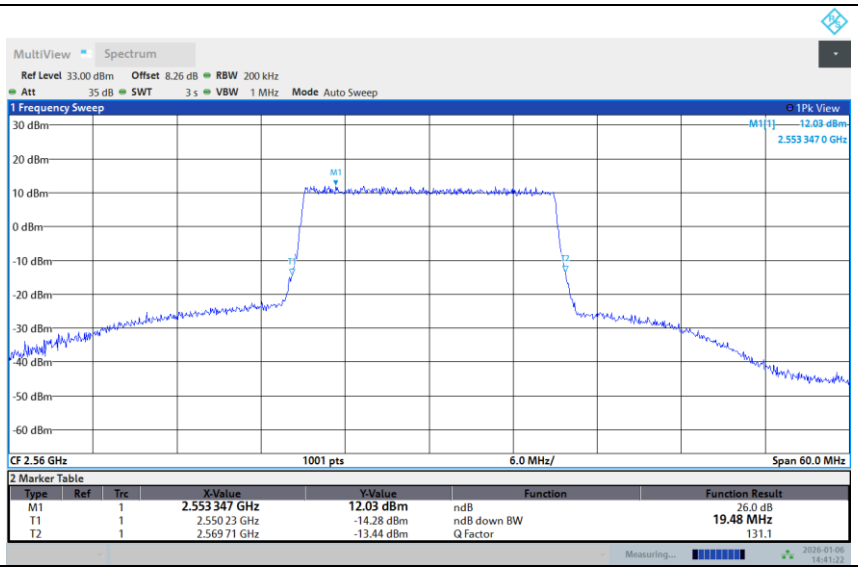
Band 7-20M-HIGH-16QAM-Full RB



Band 7-20M-HIGH-64QAM-Full RB



Band 7-20M-HIGH-256QAM-Full RB



BAND EDGE

Test Result

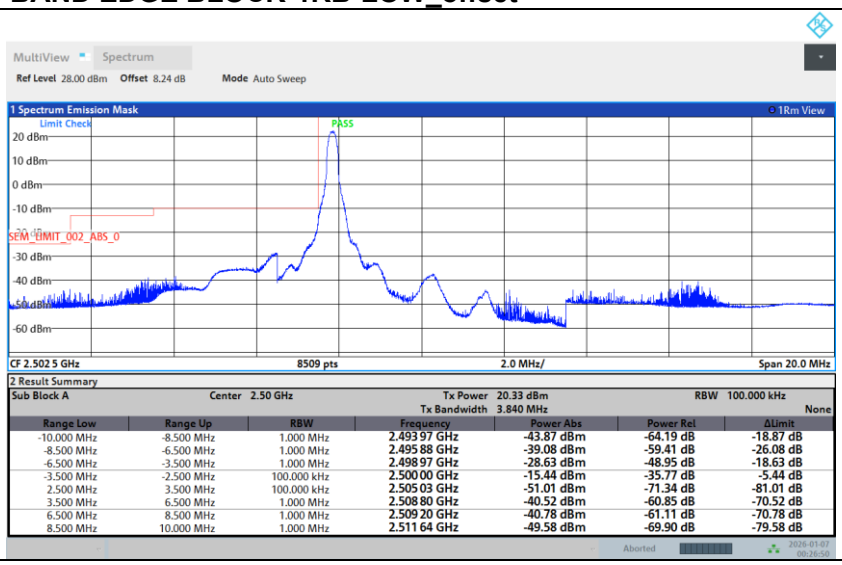
LTE band 7

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	64QAM	20775	1RB Low	See Graph5	PASS
5MHz	64QAM	20775	Full RB	See Graph6	PASS
5MHz	256QAM	20775	1RB Low	See Graph7	PASS
5MHz	256QAM	20775	Full RB	See Graph8	PASS
5MHz	QPSK	21425	1RB High	See Graph9	PASS
5MHz	QPSK	21425	Full RB	See Graph10	PASS
5MHz	16QAM	21425	1RB High	See Graph11	PASS
5MHz	16QAM	21425	Full RB	See Graph12	PASS
5MHz	64QAM	21425	1RB High	See Graph13	PASS
5MHz	64QAM	21425	Full RB	See Graph14	PASS
5MHz	256QAM	21425	1RB High	See Graph15	PASS
5MHz	256QAM	21425	Full RB	See Graph16	PASS
10MHz	QPSK	20800	1RB Low	See Graph17	PASS
10MHz	QPSK	20800	Full RB	See Graph18	PASS
10MHz	16QAM	20800	1RB Low	See Graph19	PASS
10MHz	16QAM	20800	Full RB	See Graph20	PASS
10MHz	64QAM	20800	1RB Low	See Graph21	PASS
10MHz	64QAM	20800	Full RB	See Graph22	PASS
10MHz	256QAM	20800	1RB Low	See Graph23	PASS
10MHz	256QAM	20800	Full RB	See Graph24	PASS
10MHz	QPSK	21400	1RB High	See Graph25	PASS
10MHz	QPSK	21400	Full RB	See Graph26	PASS
10MHz	16QAM	21400	1RB High	See Graph27	PASS
10MHz	16QAM	21400	Full RB	See Graph28	PASS
10MHz	64QAM	21400	1RB High	See Graph29	PASS
10MHz	64QAM	21400	Full RB	See Graph30	PASS
10MHz	256QAM	21400	1RB High	See Graph31	PASS
10MHz	256QAM	21400	Full RB	See Graph32	PASS
15MHz	QPSK	20825	1RB Low	See Graph33	PASS
15MHz	QPSK	20825	Full RB	See Graph34	PASS
15MHz	16QAM	20825	1RB Low	See Graph35	PASS
15MHz	16QAM	20825	Full RB	See Graph36	PASS
15MHz	64QAM	20825	1RB Low	See Graph37	PASS
15MHz	64QAM	20825	Full RB	See Graph38	PASS
15MHz	256QAM	20825	1RB Low	See Graph39	PASS
15MHz	256QAM	20825	Full RB	See Graph40	PASS
15MHz	QPSK	21375	1RB High	See Graph41	PASS
15MHz	QPSK	21375	Full RB	See Graph42	PASS
15MHz	16QAM	21375	1RB High	See Graph43	PASS
15MHz	16QAM	21375	Full RB	See Graph44	PASS
15MHz	64QAM	21375	1RB High	See Graph45	PASS
15MHz	64QAM	21375	Full RB	See Graph46	PASS
15MHz	256QAM	21375	1RB High	See Graph47	PASS

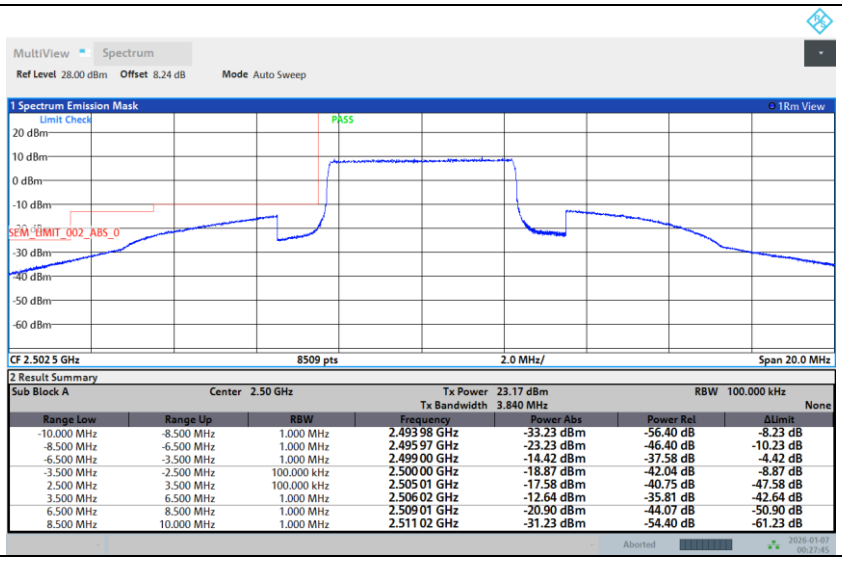
15MHz	256QAM	21375	Full RB	See Graph48	PASS
20MHz	QPSK	20850	1RB Low	See Graph49	PASS
20MHz	QPSK	20850	Full RB	See Graph50	PASS
20MHz	16QAM	20850	1RB Low	See Graph51	PASS
20MHz	16QAM	20850	Full RB	See Graph52	PASS
20MHz	64QAM	20850	1RB Low	See Graph53	PASS
20MHz	64QAM	20850	Full RB	See Graph54	PASS
20MHz	256QAM	20850	1RB Low	See Graph55	PASS
20MHz	256QAM	20850	Full RB	See Graph56	PASS
20MHz	QPSK	21350	1RB High	See Graph57	UNTEST
20MHz	QPSK	21350	Full RB	See Graph58	PASS
20MHz	16QAM	21350	1RB High	See Graph59	UNTEST
20MHz	16QAM	21350	Full RB	See Graph60	PASS
20MHz	64QAM	21350	1RB High	See Graph61	UNTEST
20MHz	64QAM	21350	Full RB	See Graph62	PASS
20MHz	256QAM	21350	1RB High	See Graph63	UNTEST
20MHz	256QAM	21350	Full RB	See Graph64	PASS

Test Graphs

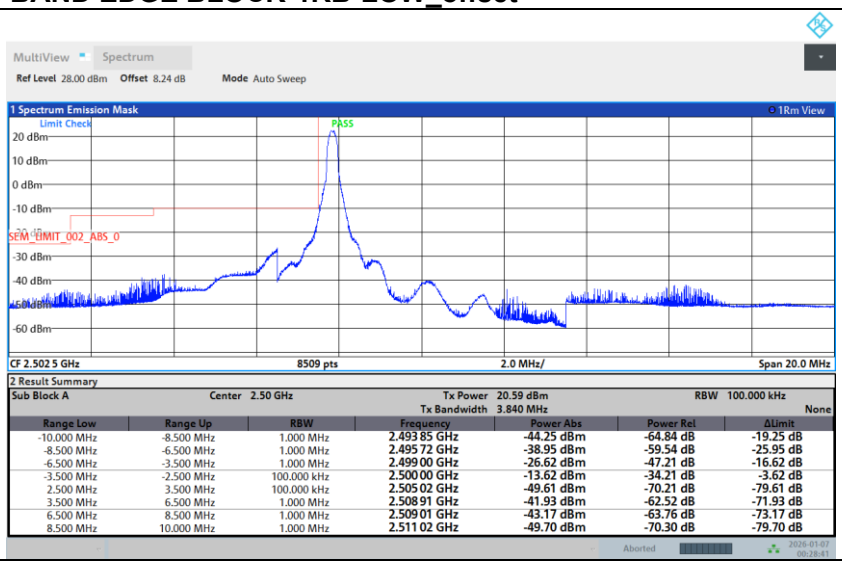
Graph1 LOW BAND EDGE BLOCK-1RB-LOW_offset



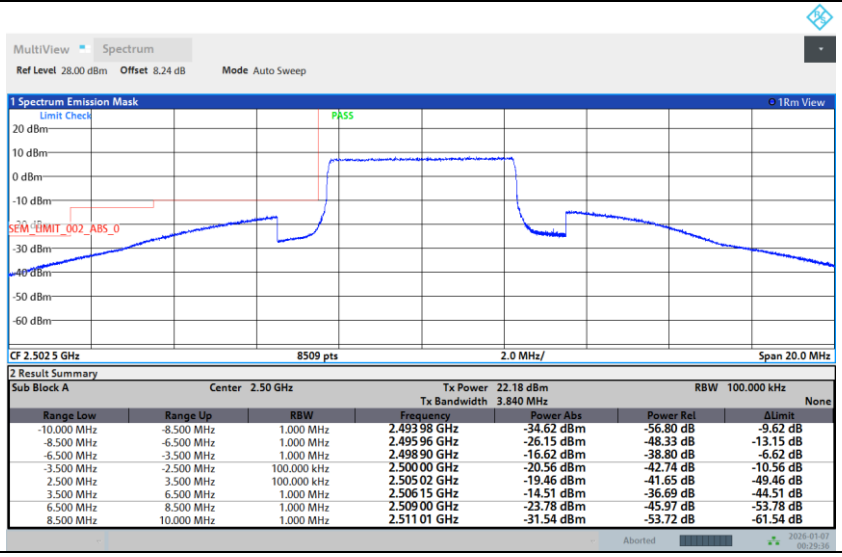
Graph2 LOW BAND EDGE BLOCK-5MHz-100%RB



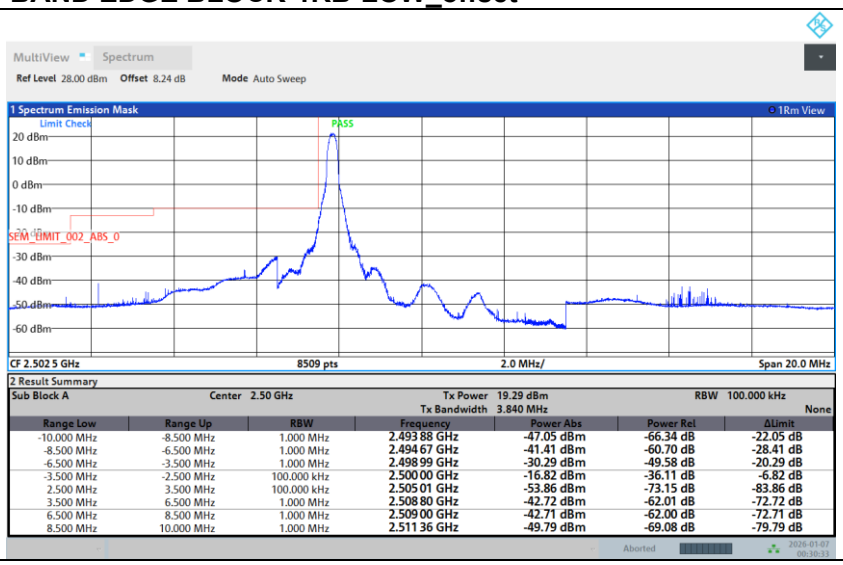
Graph3 LOW BAND EDGE BLOCK-1RB-LOW_offset



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

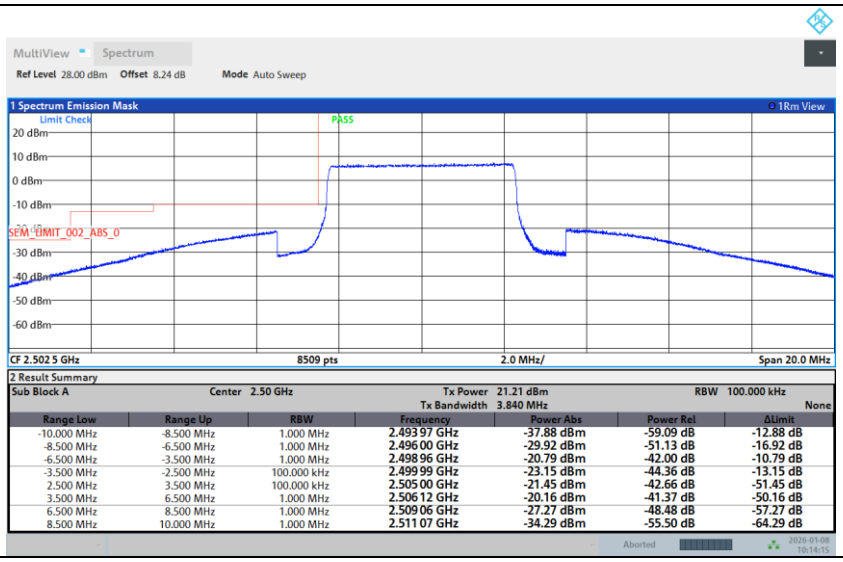


Graph5 LOW BAND EDGE BLOCK-1RB-LOW_offset



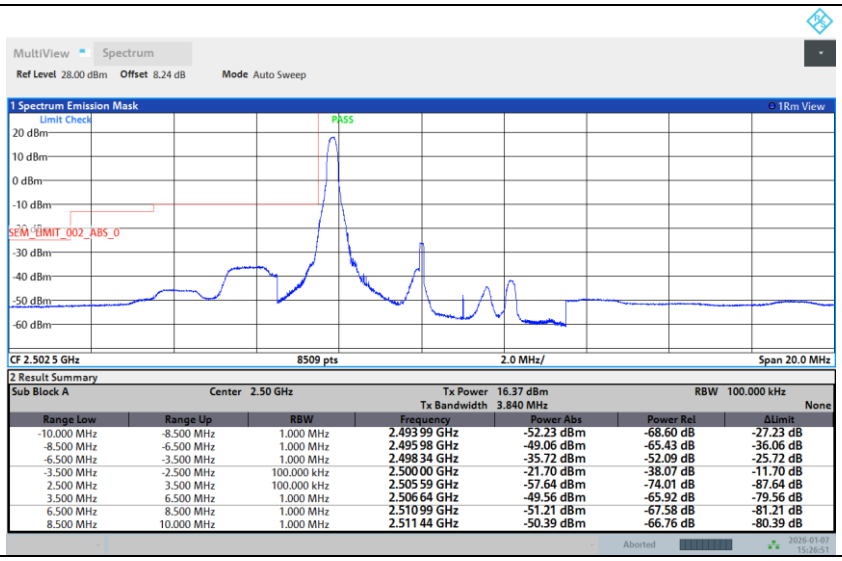
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-8.500 MHz	1.000 MHz	2.493 88 GHz	-47.05 dBm	-66.34 dB	-22.05 dB
-8.500 MHz	-6.500 MHz	1.000 MHz	2.494 67 GHz	-41.41 dBm	-60.70 dB	-28.41 dB
-6.500 MHz	-3.500 MHz	1.000 MHz	2.498 99 GHz	-30.29 dBm	-49.58 dB	-20.29 dB
-3.500 MHz	-2.500 MHz	100.000 kHz	2.500 00 GHz	-16.82 dBm	-36.11 dB	-6.82 dB
2.500 MHz	3.500 MHz	100.000 kHz	2.505 01 GHz	-53.86 dBm	-73.15 dB	-83.86 dB
3.500 MHz	6.500 MHz	1.000 MHz	2.508 80 GHz	-42.72 dBm	-62.01 dB	-72.72 dB
6.500 MHz	8.500 MHz	1.000 MHz	2.509 00 GHz	-42.71 dBm	-62.00 dB	-72.71 dB
8.500 MHz	10.000 MHz	1.000 MHz	2.511 36 GHz	-49.79 dBm	-69.08 dB	-79.79 dB

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

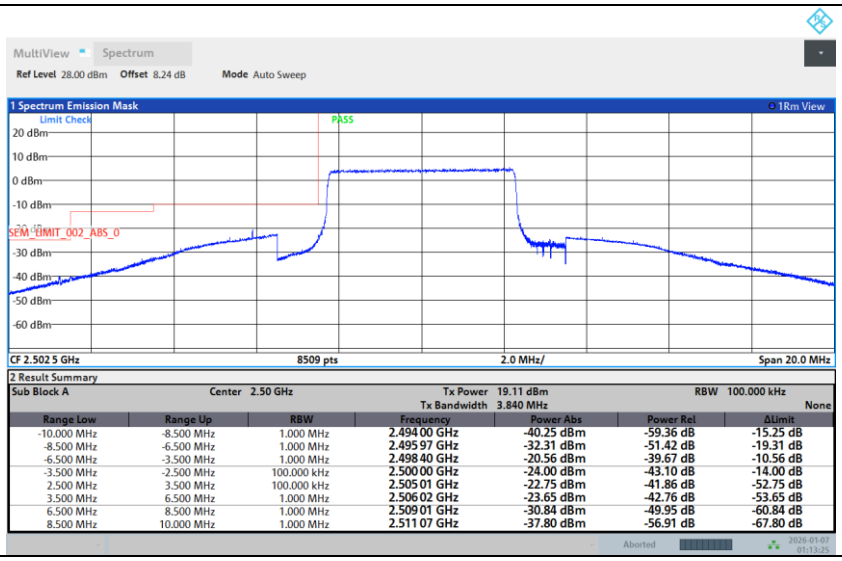


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-8.500 MHz	1.000 MHz	2.493 97 GHz	-37.88 dBm	-59.09 dB	-12.88 dB
-8.500 MHz	-6.500 MHz	1.000 MHz	2.496 00 GHz	-29.92 dBm	-51.13 dB	-16.92 dB
-6.500 MHz	-3.500 MHz	1.000 MHz	2.498 96 GHz	-20.79 dBm	-42.00 dB	-10.79 dB
-3.500 MHz	-2.500 MHz	100.000 kHz	2.499 99 GHz	-23.15 dBm	-44.36 dB	-13.15 dB
2.500 MHz	3.500 MHz	100.000 kHz	2.505 00 GHz	-21.45 dBm	-42.66 dB	-51.45 dB
3.500 MHz	6.500 MHz	1.000 MHz	2.506 12 GHz	-20.16 dBm	-41.37 dB	-50.16 dB
6.500 MHz	8.500 MHz	1.000 MHz	2.509 06 GHz	-27.27 dBm	-48.48 dB	-57.27 dB
8.500 MHz	10.000 MHz	1.000 MHz	2.511 07 GHz	-34.29 dBm	-55.50 dB	-64.29 dB

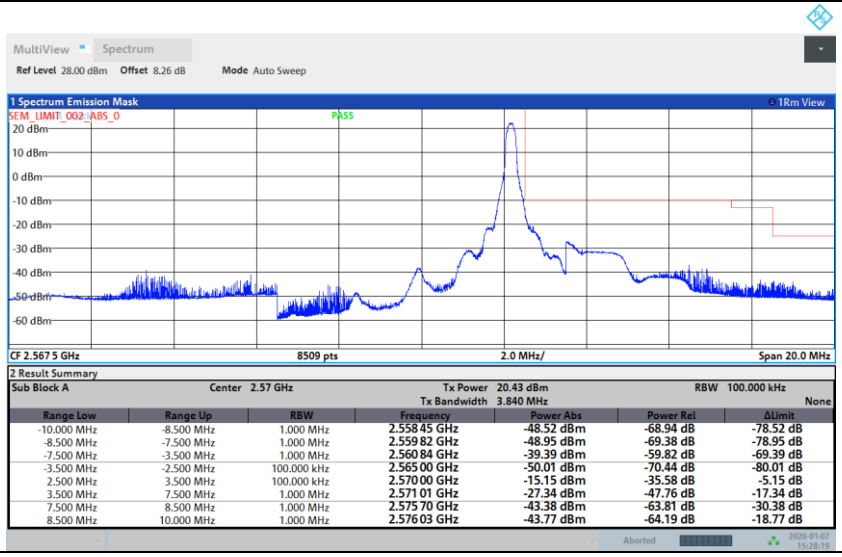
Graph7 LOW BAND EDGE BLOCK-1RB-LOW_offset



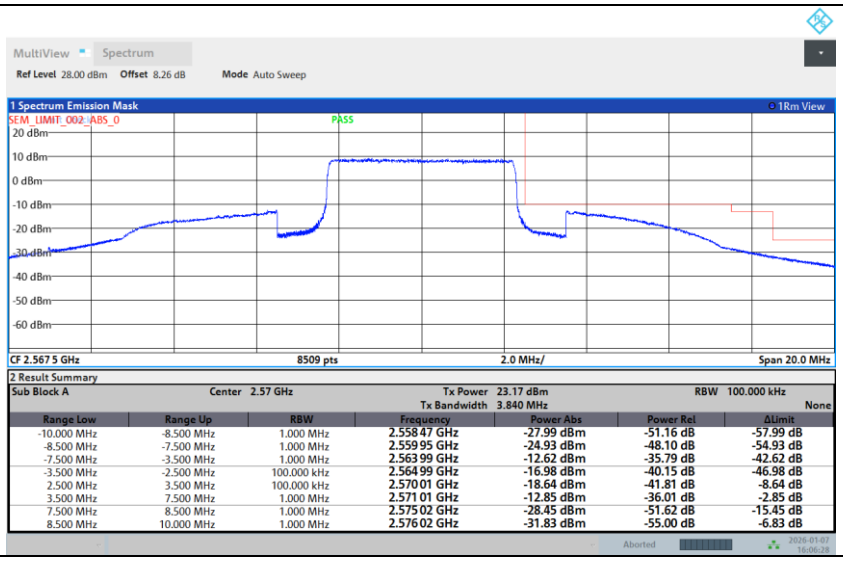
Graph8 LOW BAND EDGE BLOCK-5MHz-100%RB



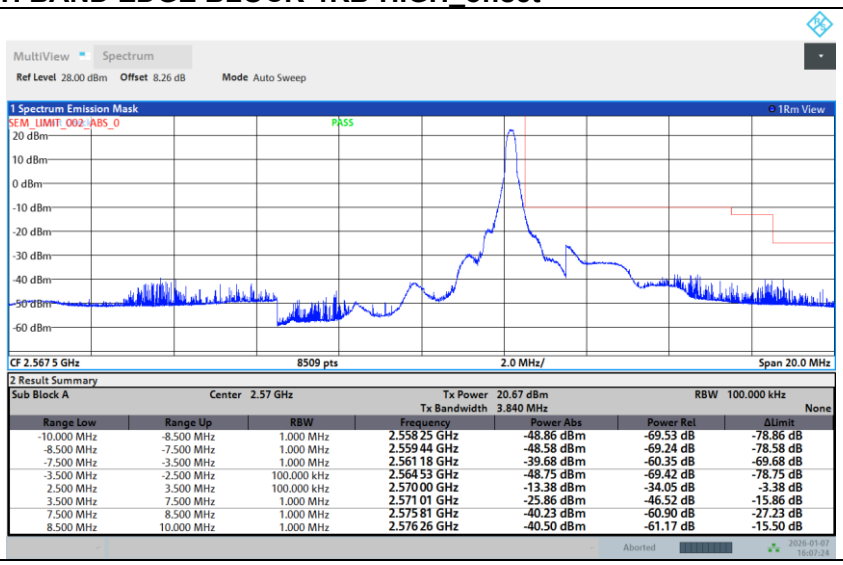
Graph9 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



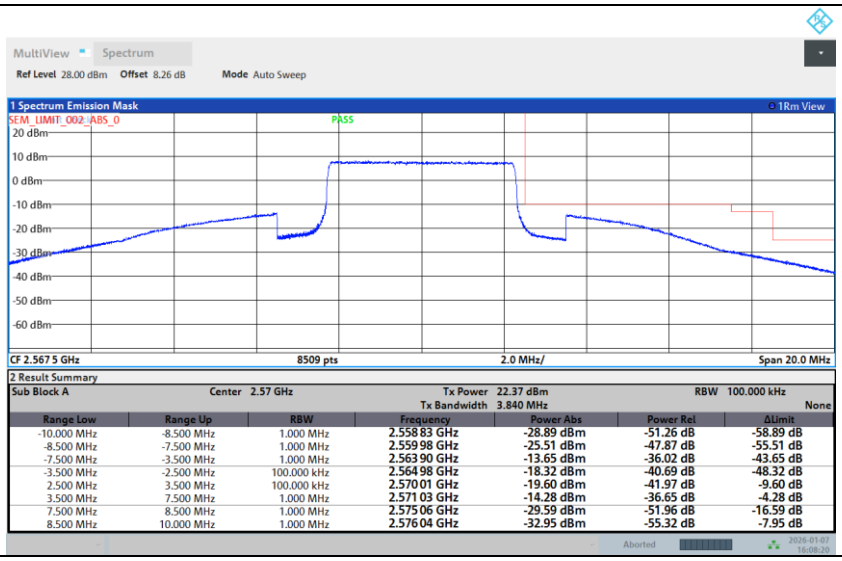
Graph10 HIGH BAND EDGE BLOCK-5MHz-100%RB



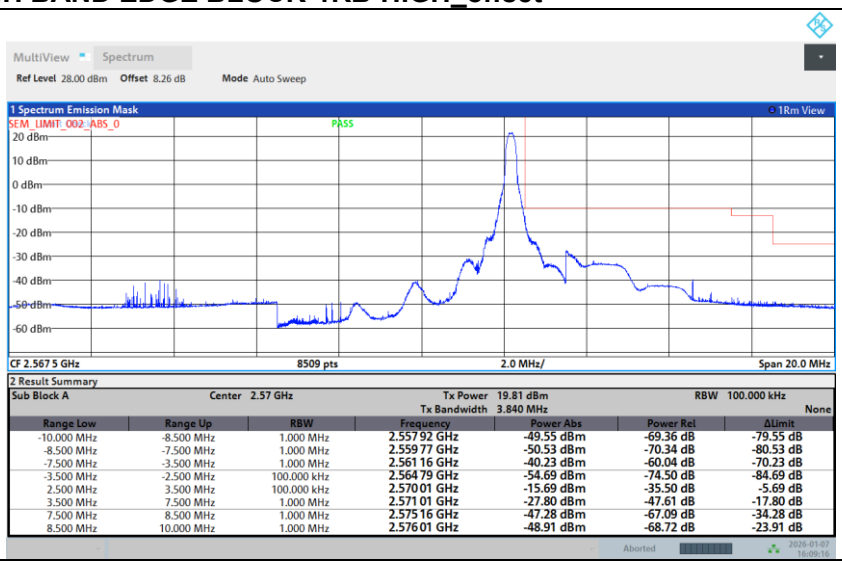
Graph11 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



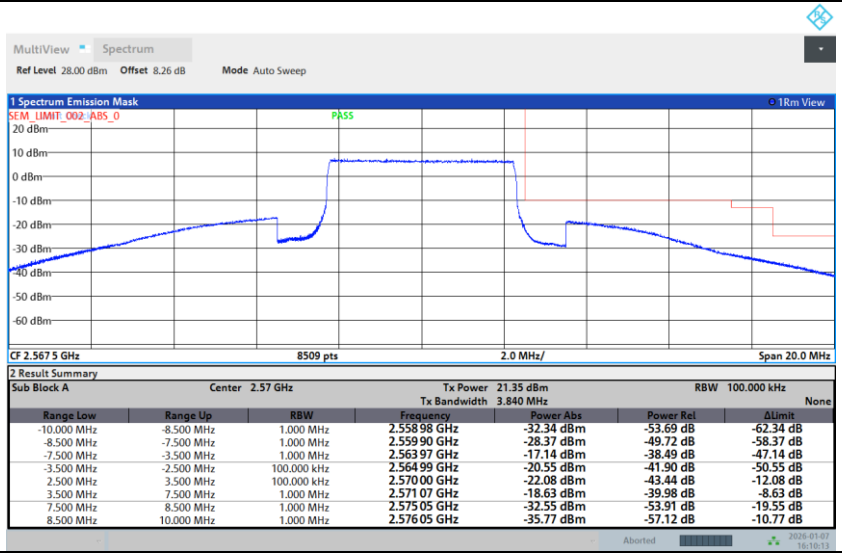
Graph12 HIGH BAND EDGE BLOCK-5MHz-100%RB



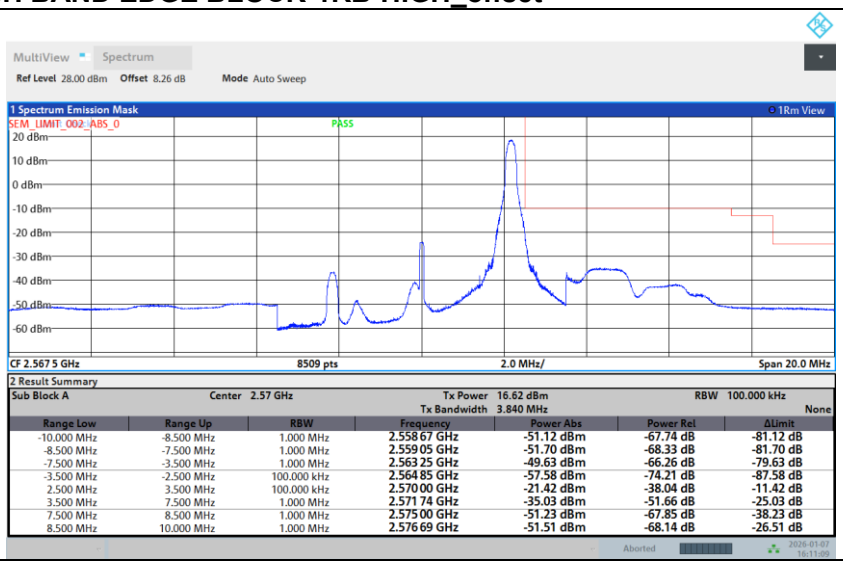
Graph13 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



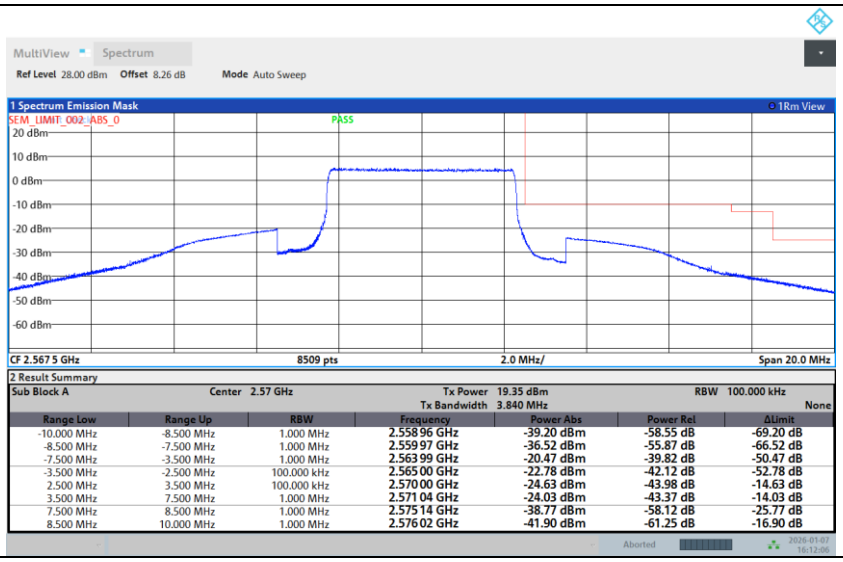
Graph14 HIGH BAND EDGE BLOCK-5MHz-100%RB



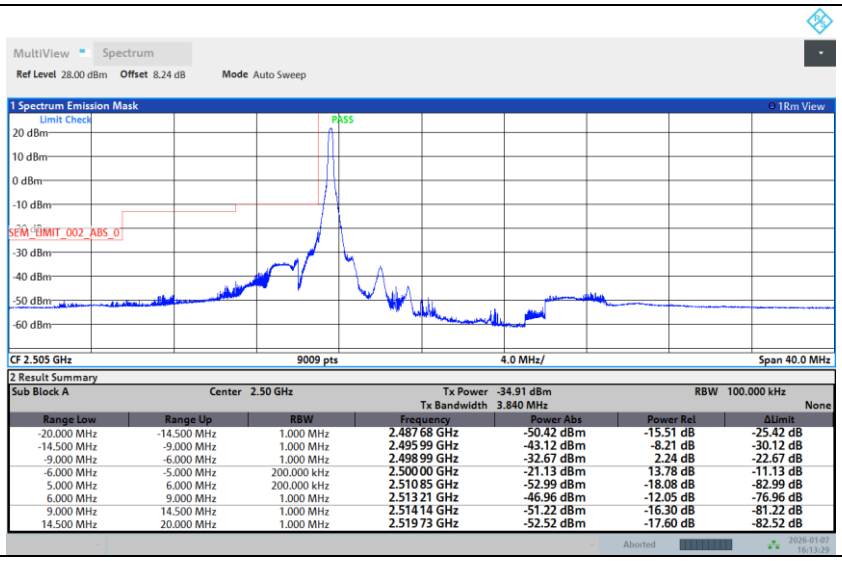
Graph15 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



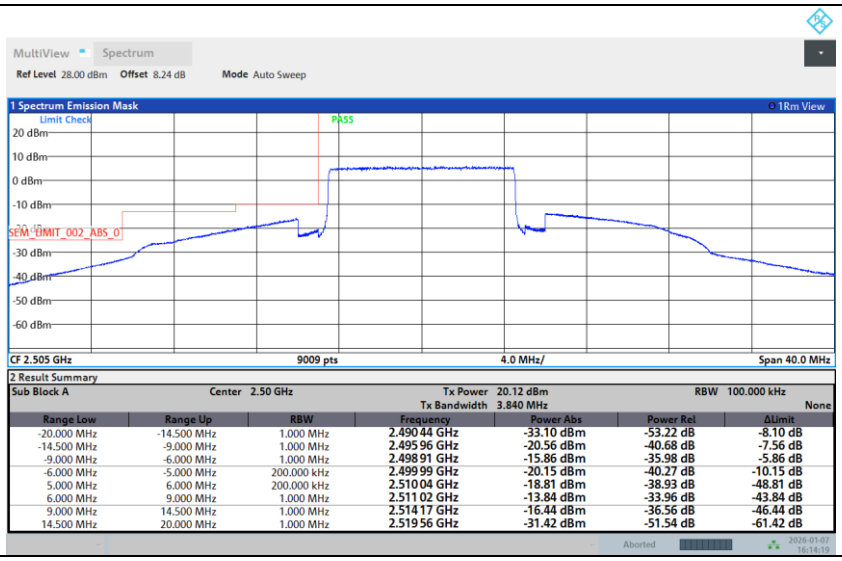
Graph16 HIGH BAND EDGE BLOCK-5MHz-100%RB



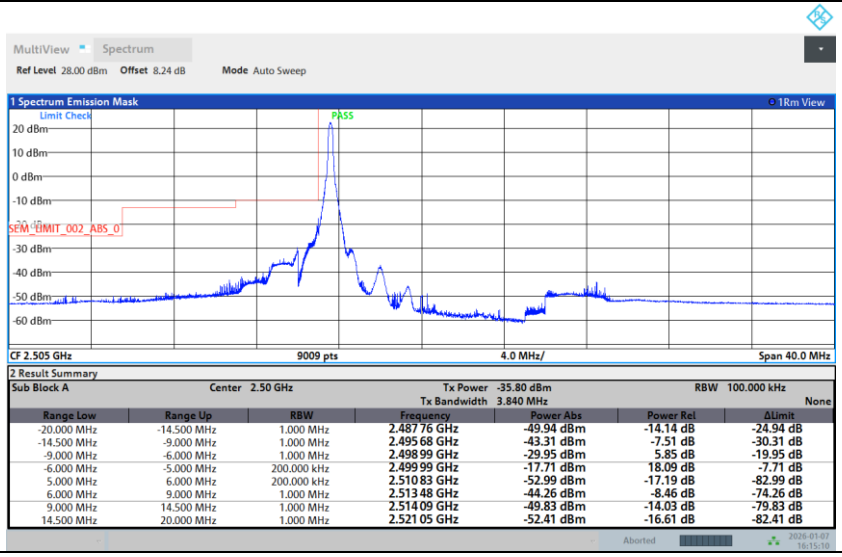
Graph17 LOW BAND EDGE BLOCK-1RB-LOW_offset



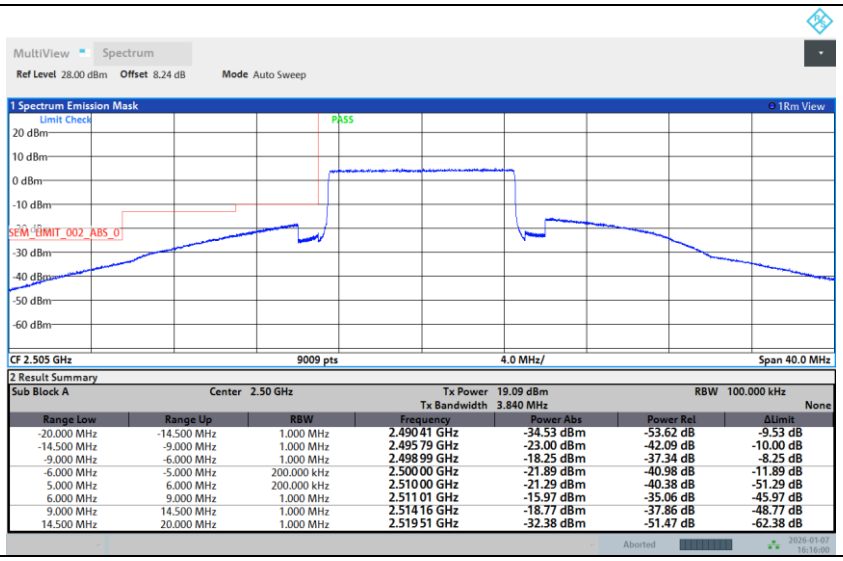
Graph18 LOW BAND EDGE BLOCK-10MHz-100%RB



Graph19 LOW BAND EDGE BLOCK-1RB-LOW_offset

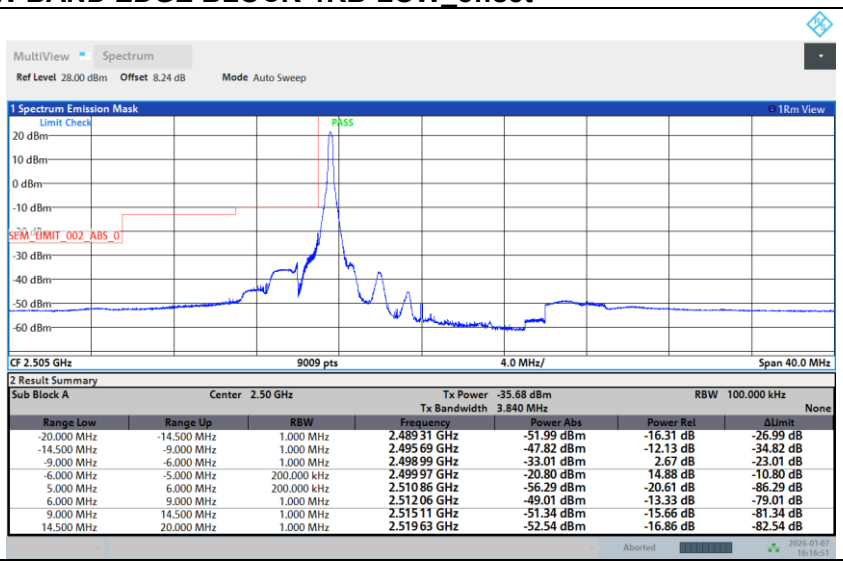


Graph20 LOW BAND EDGE BLOCK-10MHz-100%RB



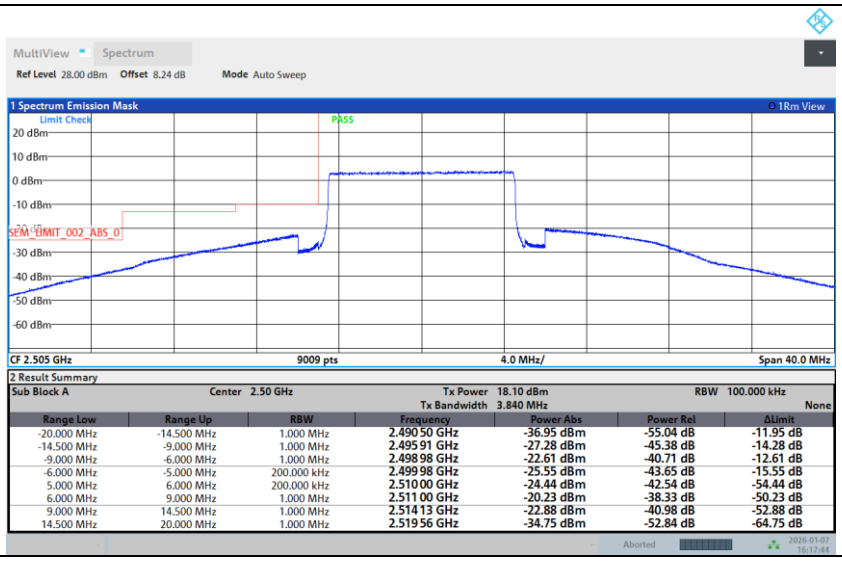
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-14.500 MHz	1.000 MHz	2.490 41 GHz	-34.53 dBm	-53.62 dB	-9.53 dB
-14.500 MHz	-9.000 MHz	1.000 MHz	2.495 79 GHz	-23.00 dBm	-42.09 dB	-10.00 dB
-9.000 MHz	-6.000 MHz	1.000 MHz	2.498 99 GHz	-18.25 dBm	-37.34 dB	-8.25 dB
-6.000 MHz	-5.000 MHz	200.000 kHz	2.500 00 GHz	-21.89 dBm	-40.98 dB	-11.89 dB
5.000 MHz	6.000 MHz	200.000 kHz	2.510 00 GHz	-21.29 dBm	-40.38 dB	-51.29 dB
6.000 MHz	9.000 MHz	1.000 MHz	2.511 01 GHz	-15.97 dBm	-35.06 dB	-45.97 dB
9.000 MHz	14.500 MHz	1.000 MHz	2.514 16 GHz	-18.77 dBm	-37.86 dB	-48.77 dB
14.500 MHz	20.000 MHz	1.000 MHz	2.519 51 GHz	-32.38 dBm	-51.47 dB	-62.38 dB

Graph21 LOW BAND EDGE BLOCK-1RB-LOW_offset

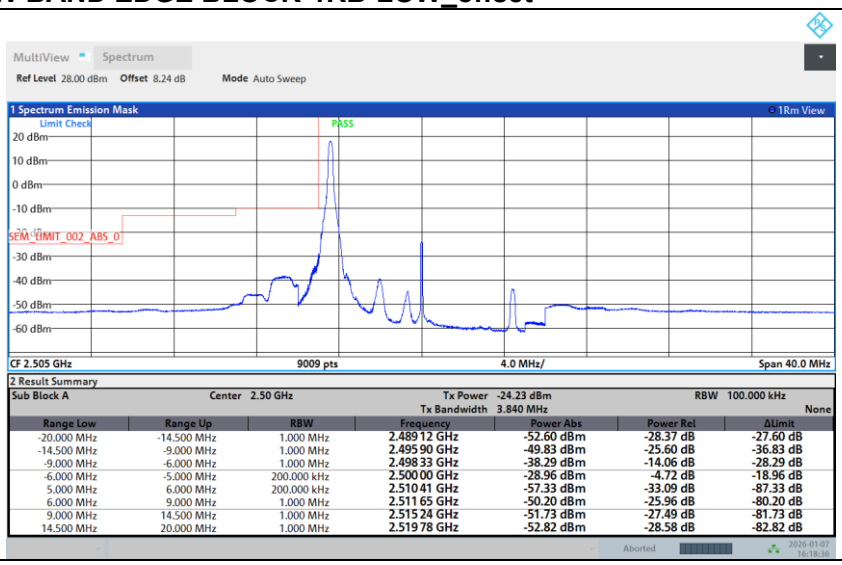


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-14.500 MHz	1.000 MHz	2.489 31 GHz	-51.99 dBm	-16.31 dB	-26.99 dB
-14.500 MHz	-9.000 MHz	1.000 MHz	2.495 69 GHz	-47.82 dBm	-12.13 dB	-34.82 dB
-9.000 MHz	-6.000 MHz	1.000 MHz	2.498 99 GHz	-33.01 dBm	2.67 dB	-23.01 dB
-6.000 MHz	-5.000 MHz	200.000 kHz	2.499 97 GHz	-20.80 dBm	14.88 dB	-10.80 dB
5.000 MHz	6.000 MHz	200.000 kHz	2.510 86 GHz	-56.29 dBm	-20.61 dB	-86.29 dB
6.000 MHz	9.000 MHz	1.000 MHz	2.512 06 GHz	-49.01 dBm	-13.33 dB	-79.01 dB
9.000 MHz	14.500 MHz	1.000 MHz	2.515 11 GHz	-51.34 dBm	-15.66 dB	-81.34 dB
14.500 MHz	20.000 MHz	1.000 MHz	2.519 63 GHz	-52.54 dBm	-16.86 dB	-82.54 dB

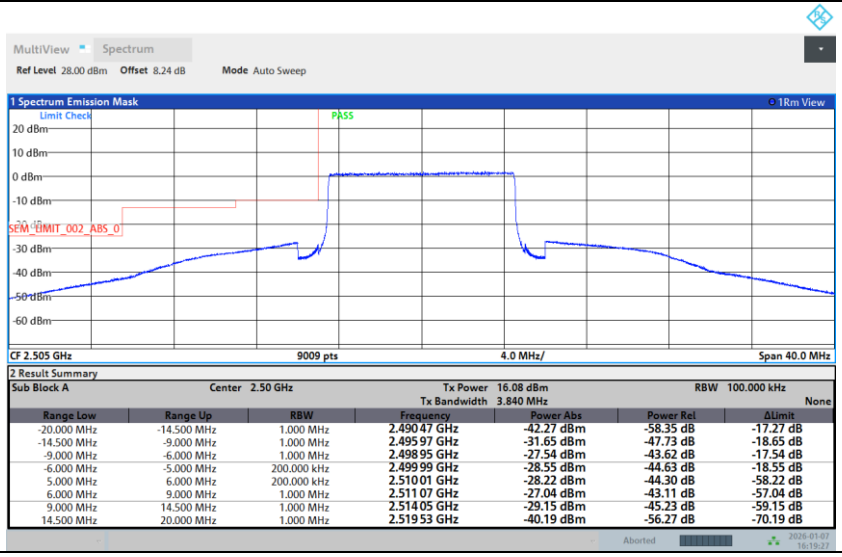
Graph22 LOW BAND EDGE BLOCK-10MHz-100%RB



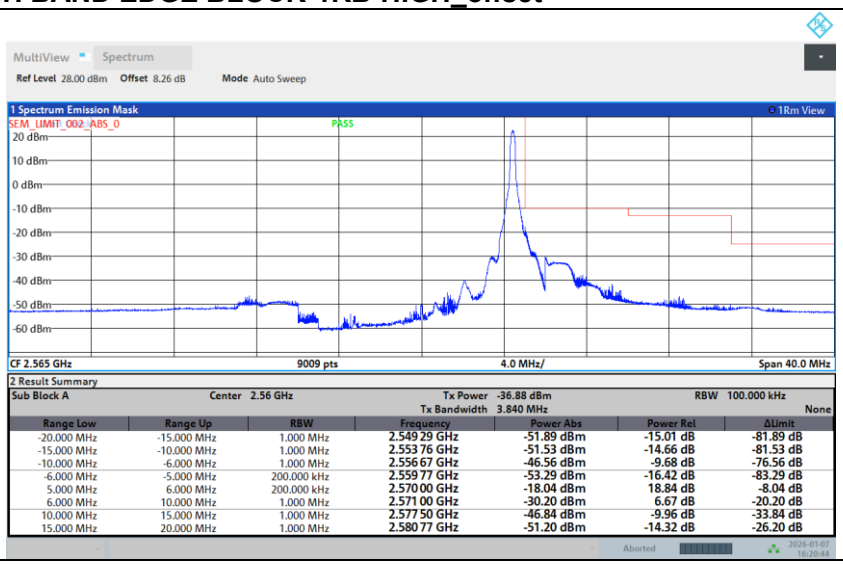
Graph23 LOW BAND EDGE BLOCK-1RB-LOW_offset



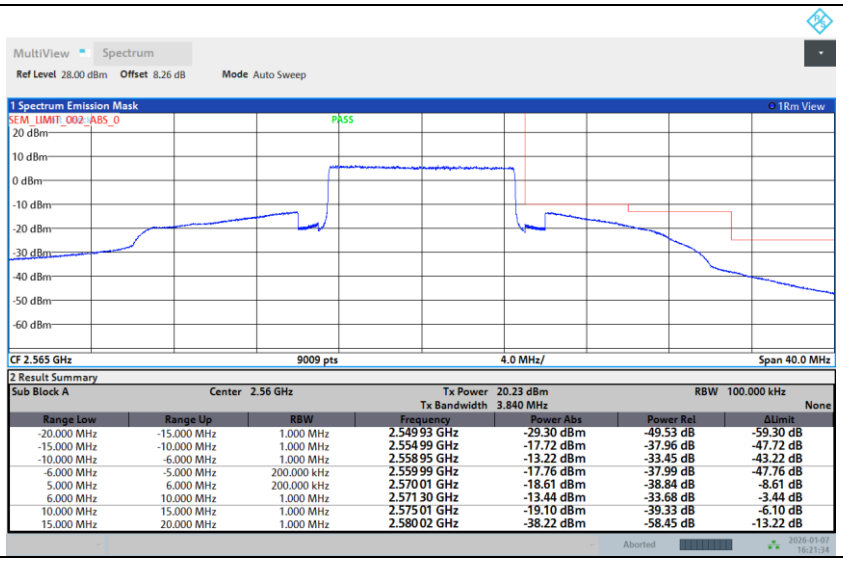
Graph24 LOW BAND EDGE BLOCK-10MHz-100%RB



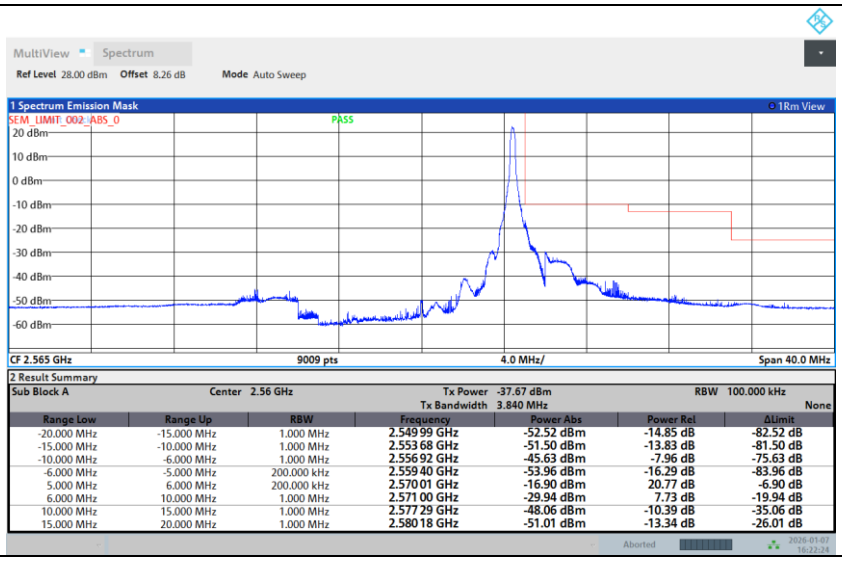
Graph25 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



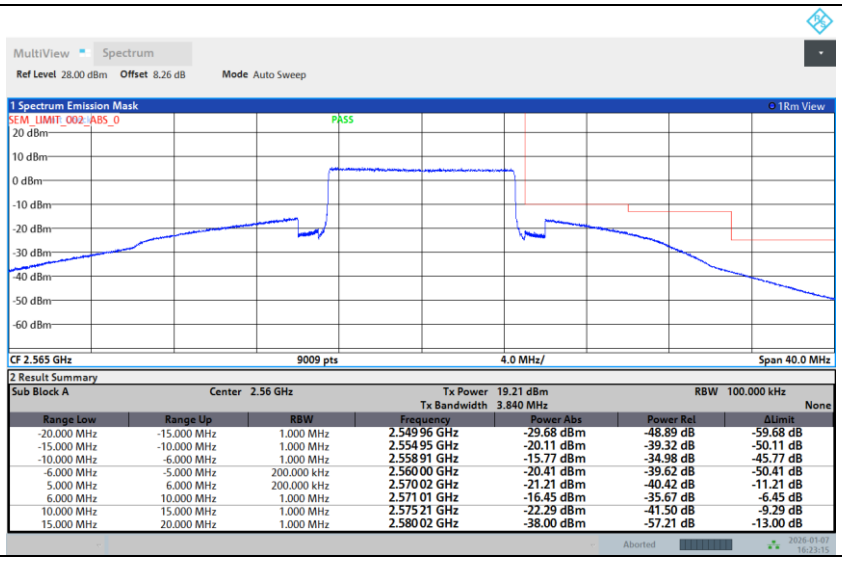
Graph26 HIGH BAND EDGE BLOCK-10MHz-100%RB



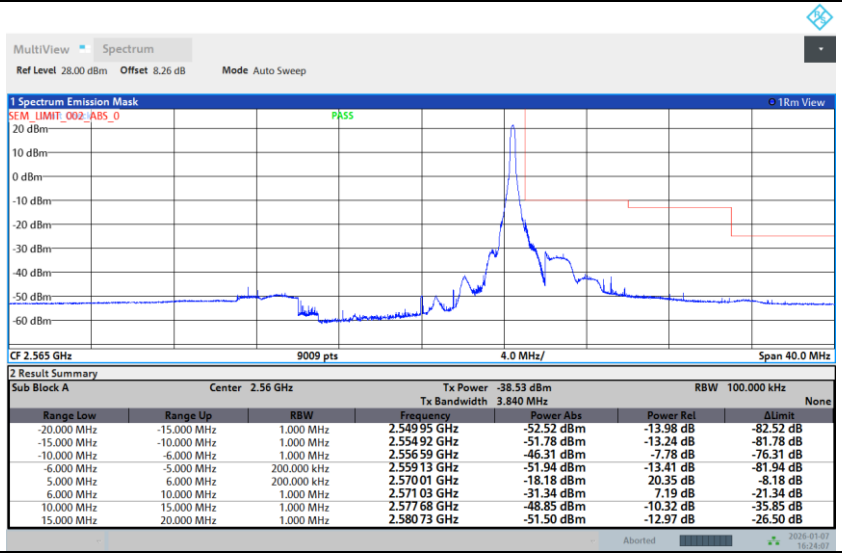
Graph27 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



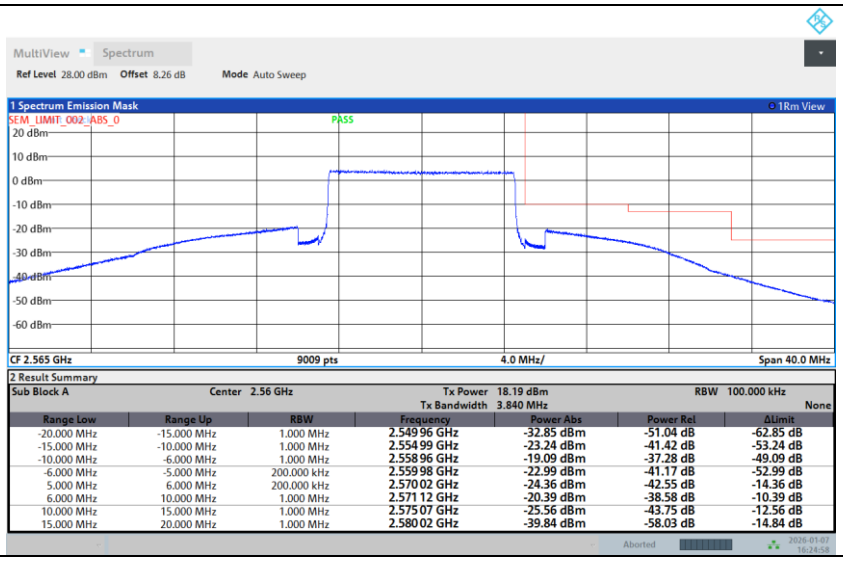
Graph28 HIGH BAND EDGE BLOCK-10MHz-100%RB



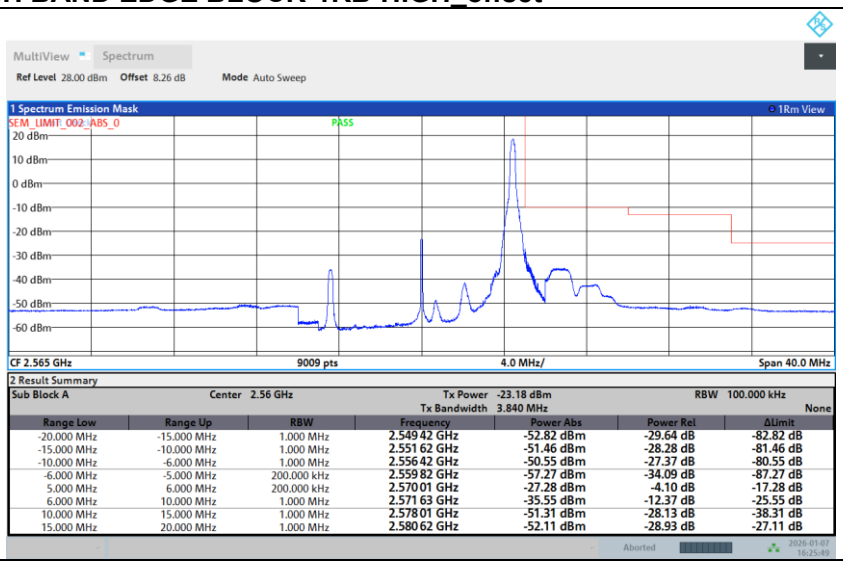
Graph29 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



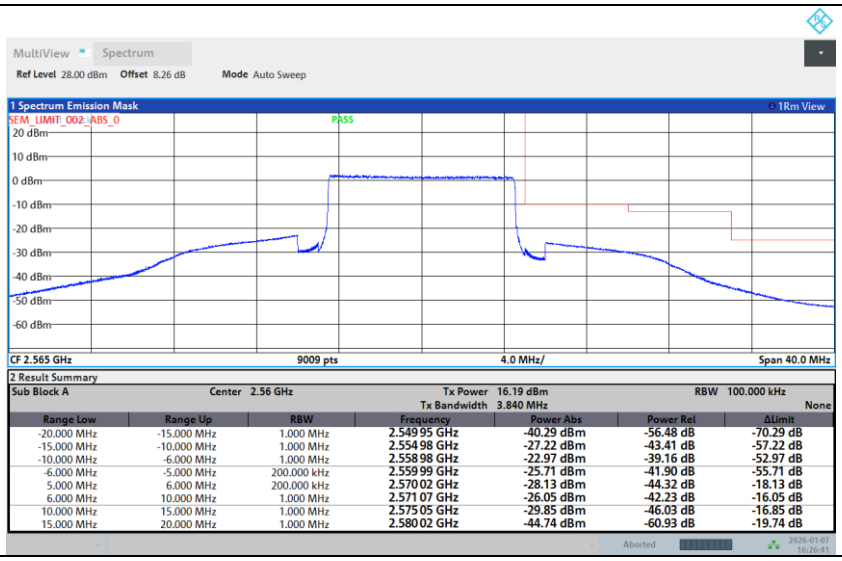
Graph30 HIGH BAND EDGE BLOCK-10MHz-100%RB



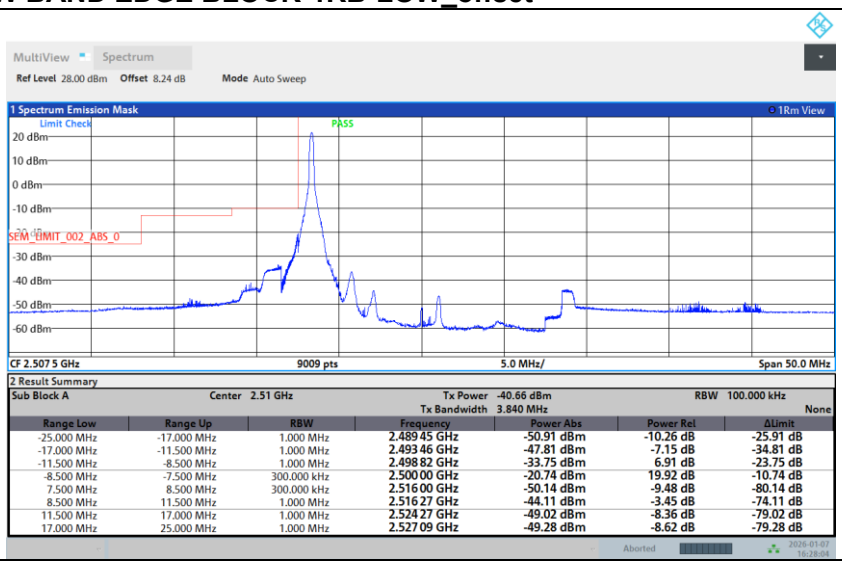
Graph31 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



Graph32 HIGH BAND EDGE BLOCK-10MHz-100%RB



Graph33 LOW BAND EDGE BLOCK-1RB-LOW_offset



Graph34 LOW BAND EDGE BLOCK-15MHz-100%RB