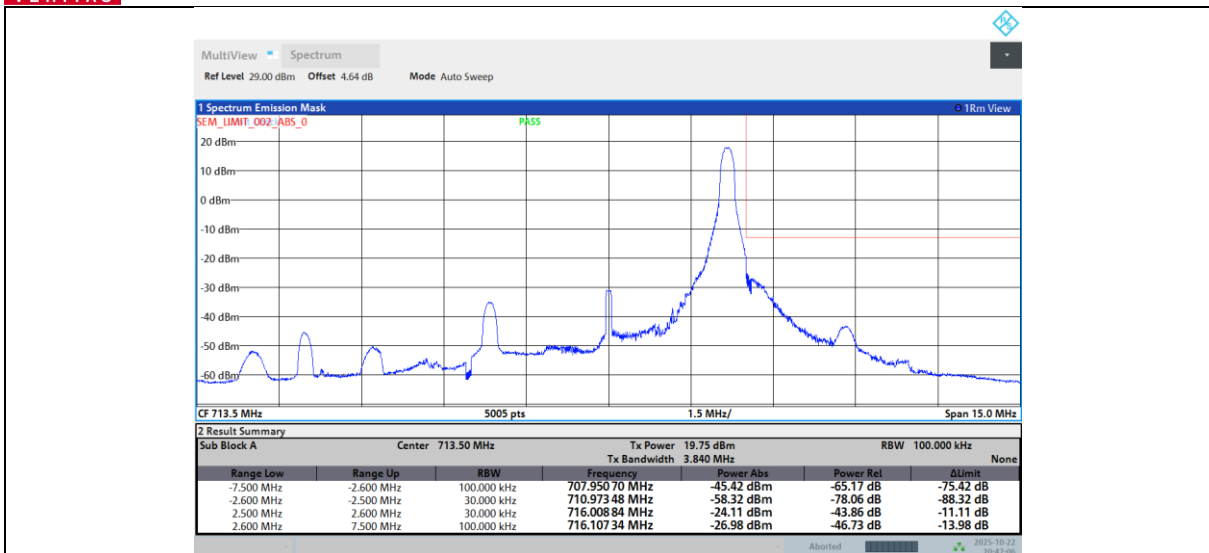
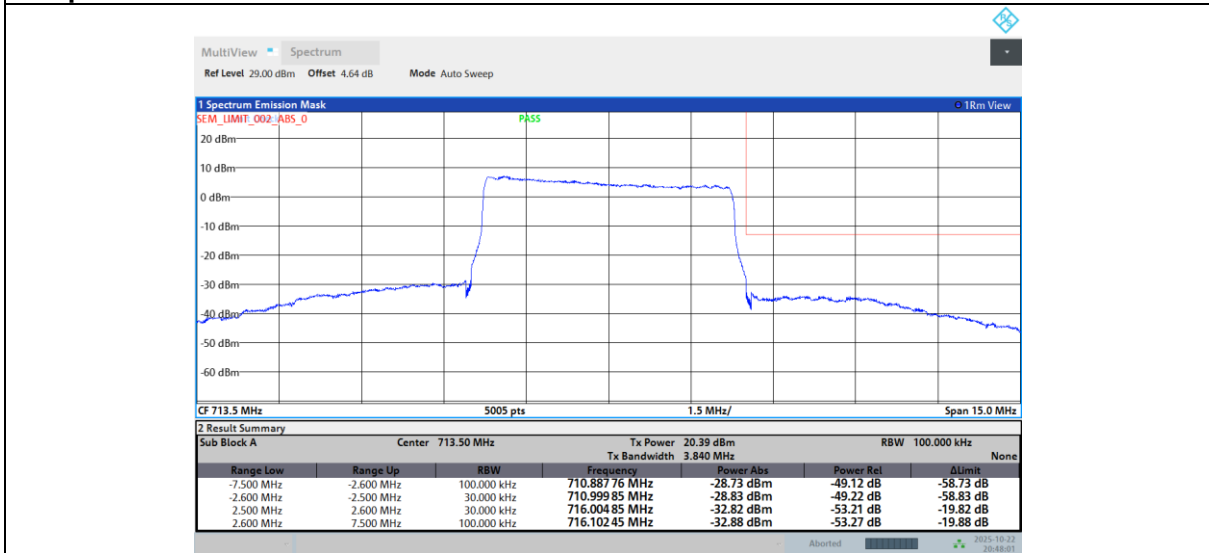
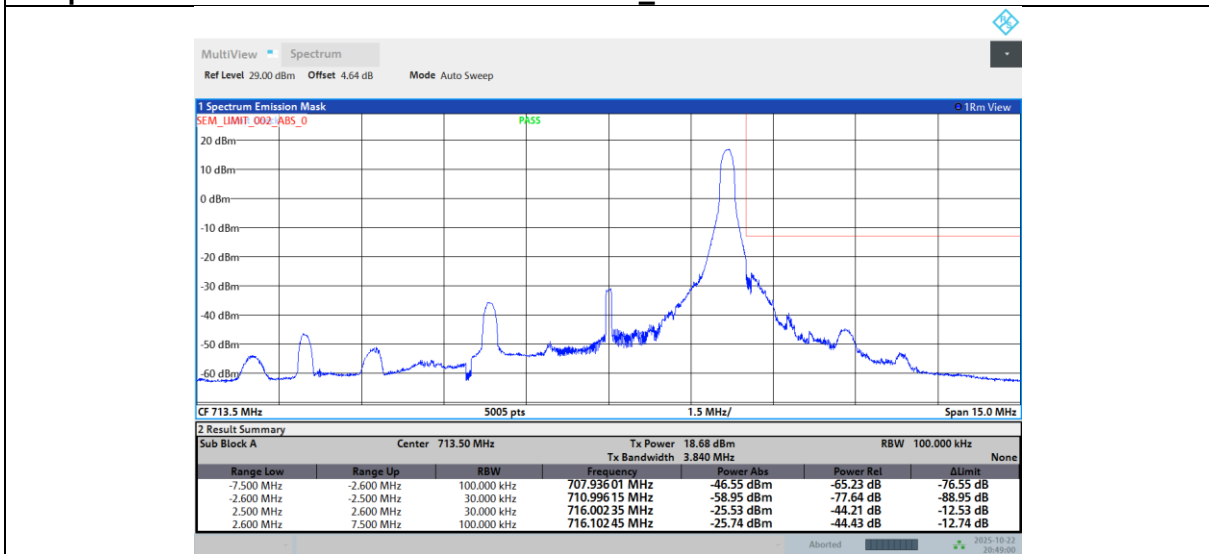




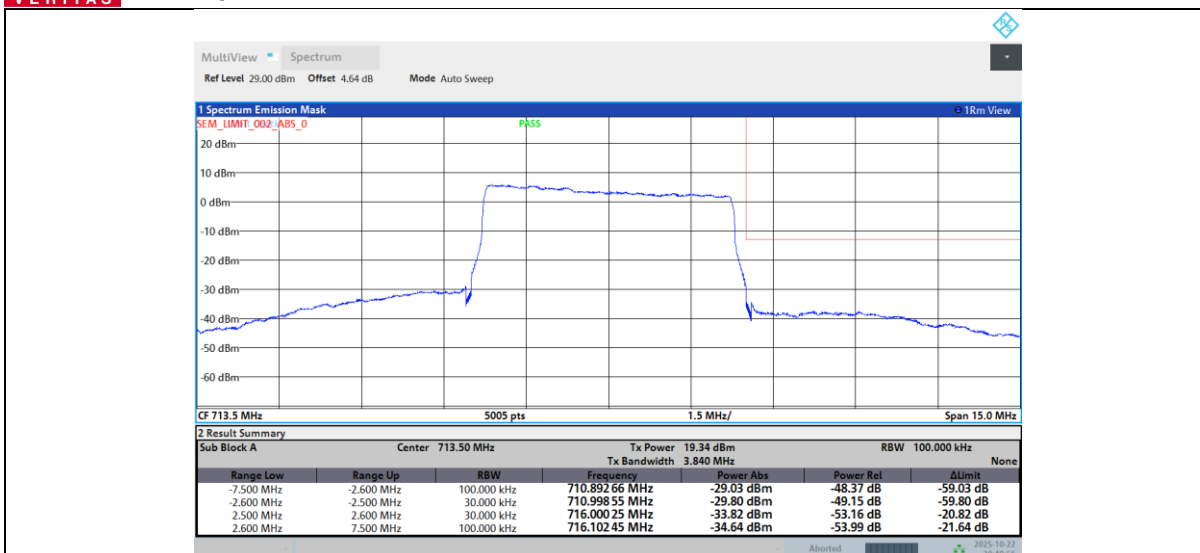
Graph34 HIGH BAND EDGE BLOCK-5MHz-100%RB



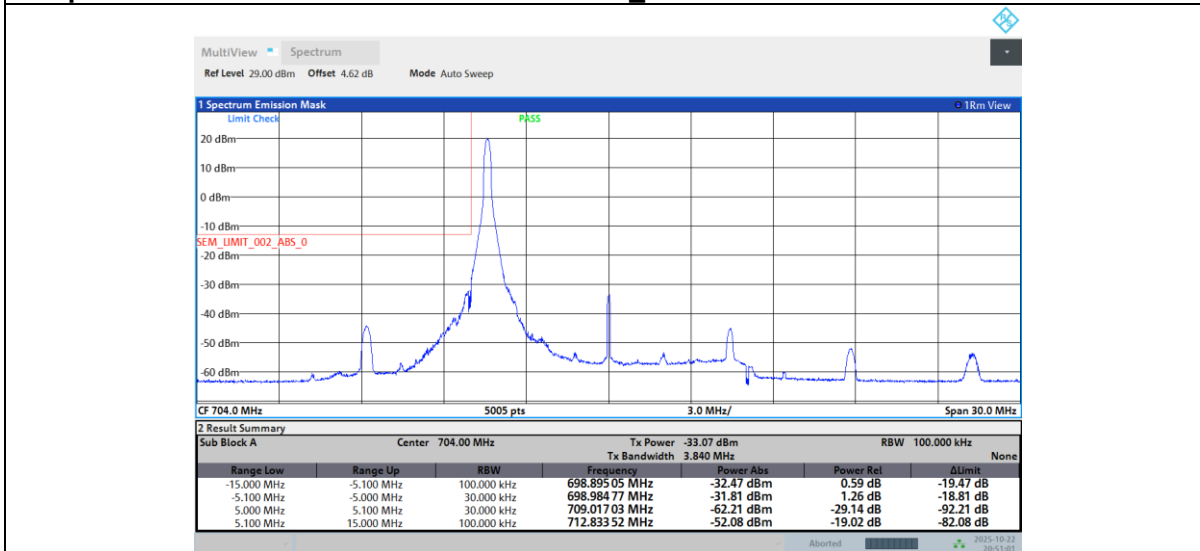
Graph35 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



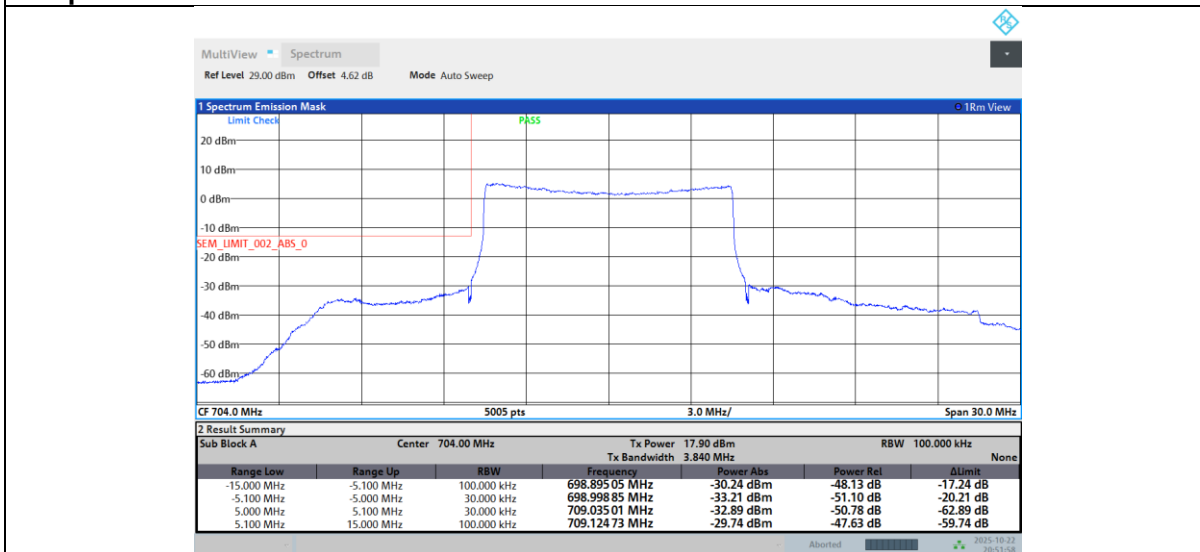
Graph36 HIGH BAND EDGE BLOCK-5MHz-100%RB



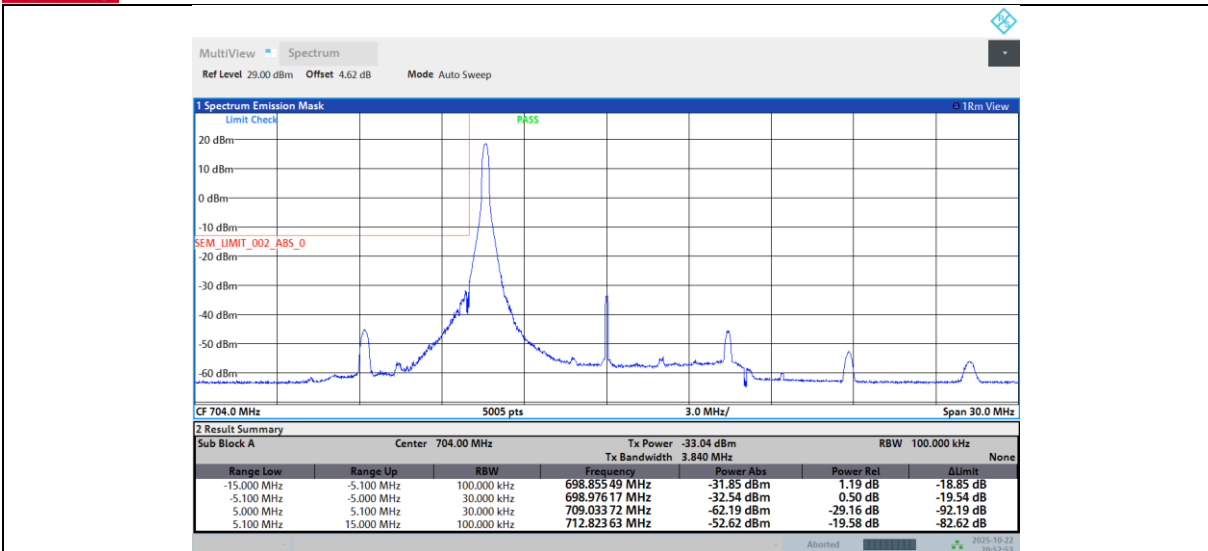
Graph37 LOW BAND EDGE BLOCK-1RB-LOW_offset



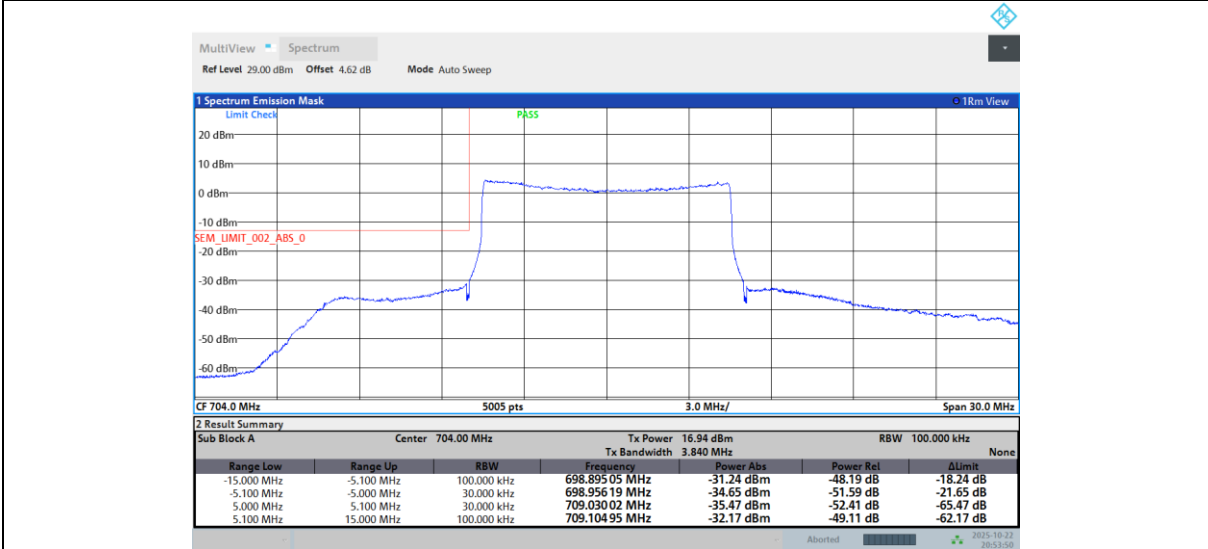
Graph38 LOW BAND EDGE BLOCK-10MHz-100%RB



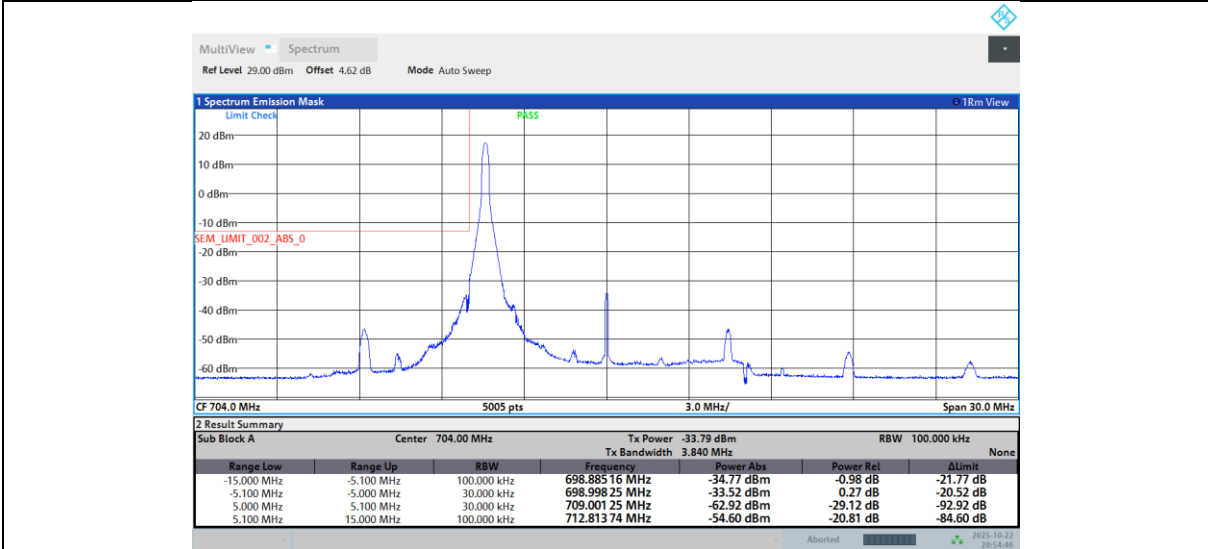
Graph39 LOW BAND EDGE BLOCK-1RB-LOW_offset



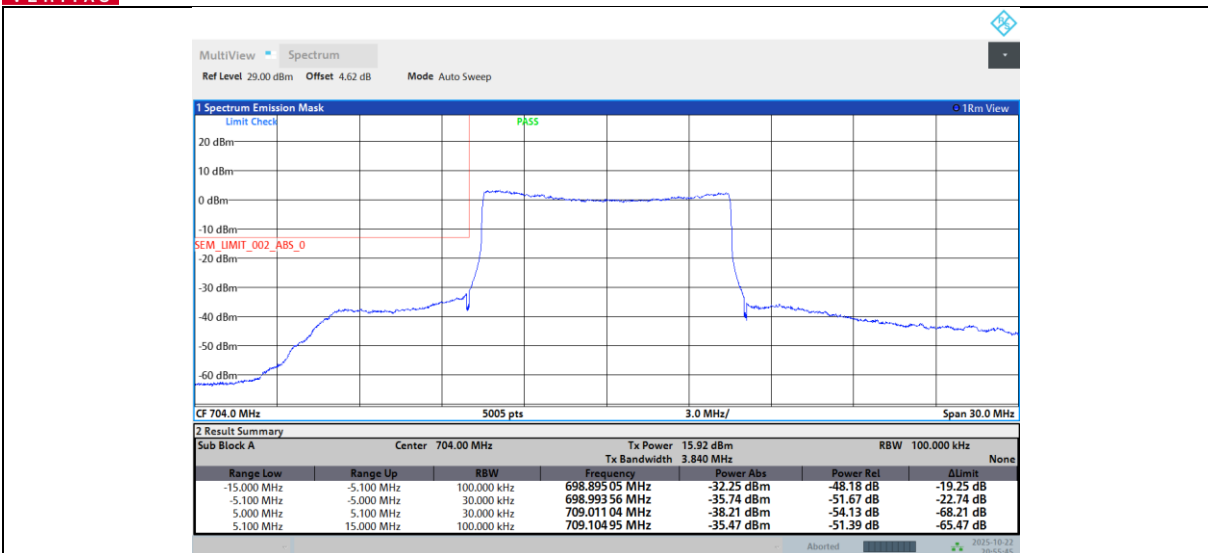
Graph40 LOW BAND EDGE BLOCK-10MHz-100%RB



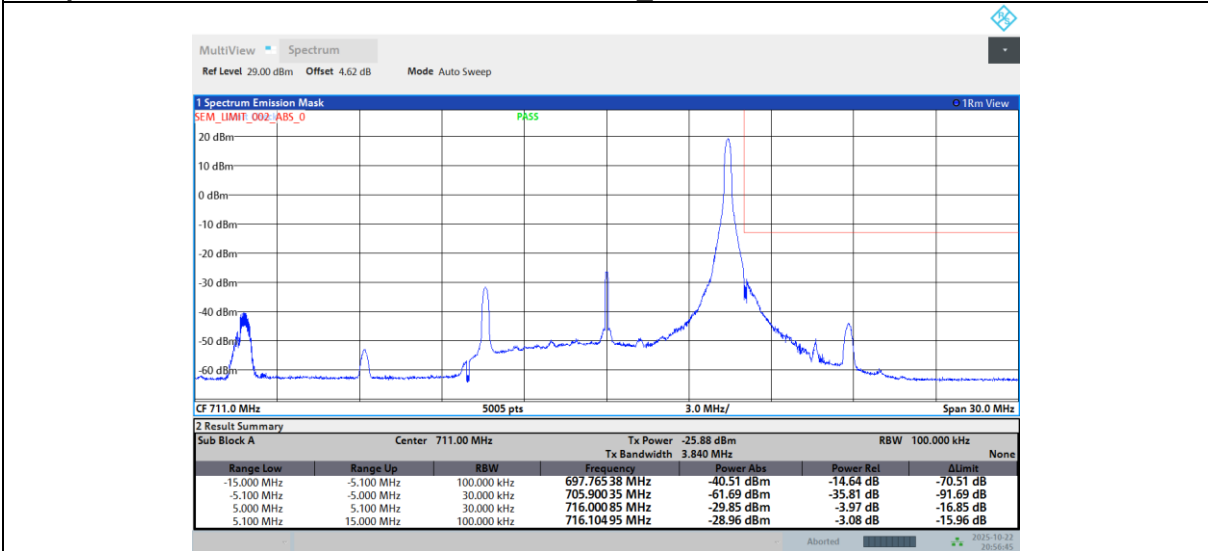
Graph41 LOW BAND EDGE BLOCK-1RB-LOW_offset



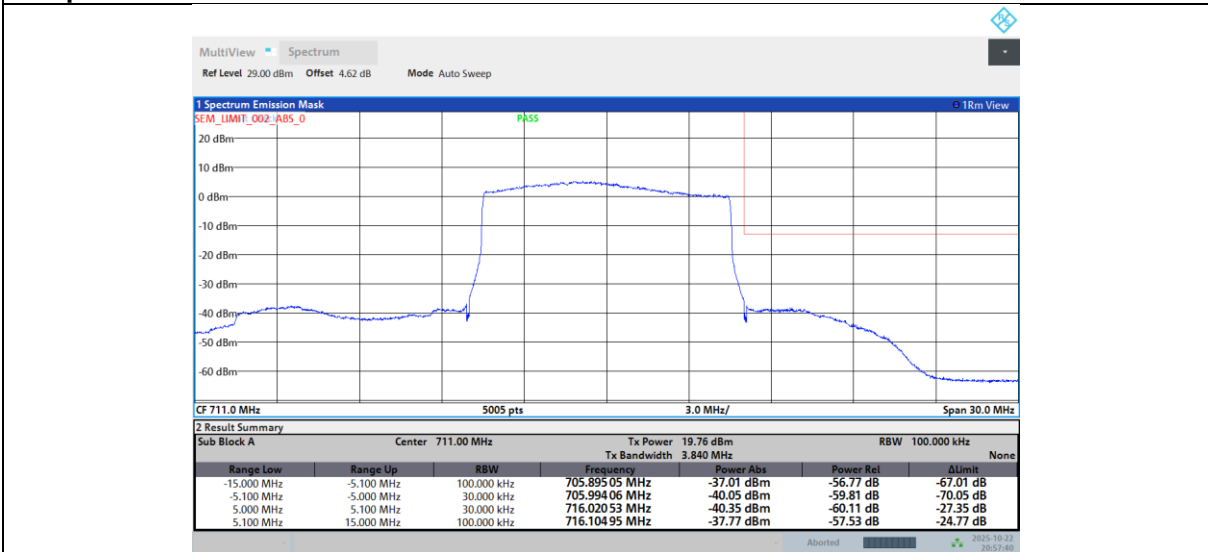
Graph42 LOW BAND EDGE BLOCK-10MHz-100%RB



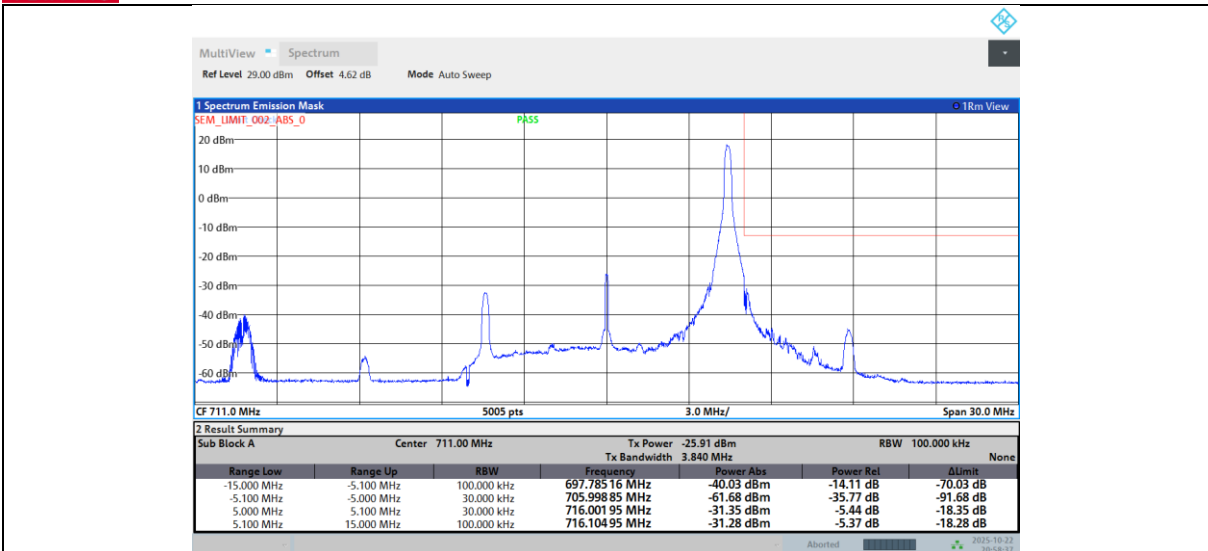
Graph43 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



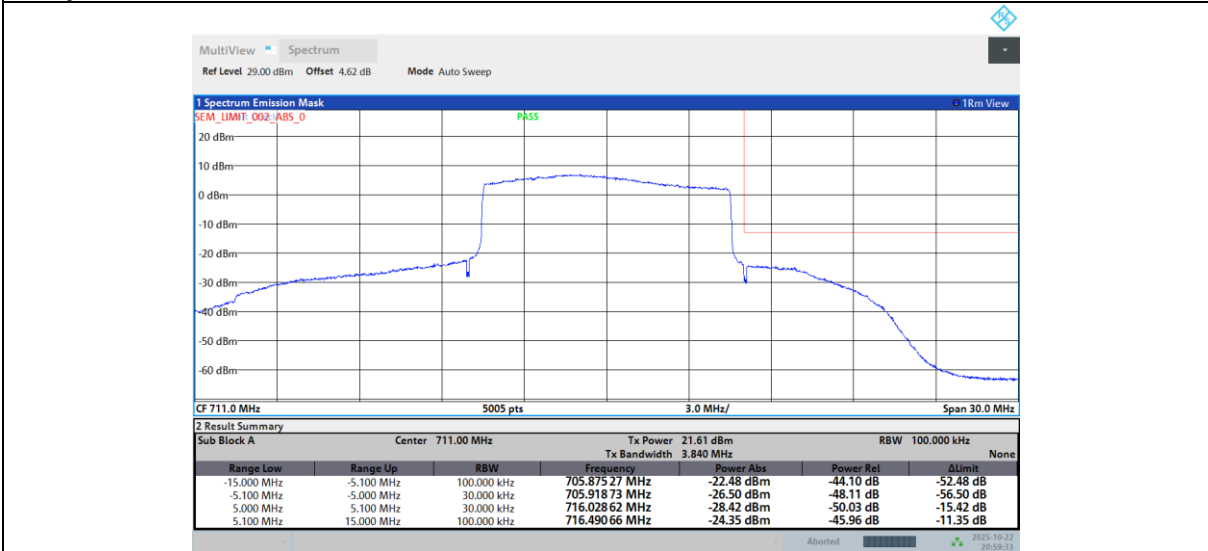
Graph44 HIGH BAND EDGE BLOCK-10MHz-100%RB



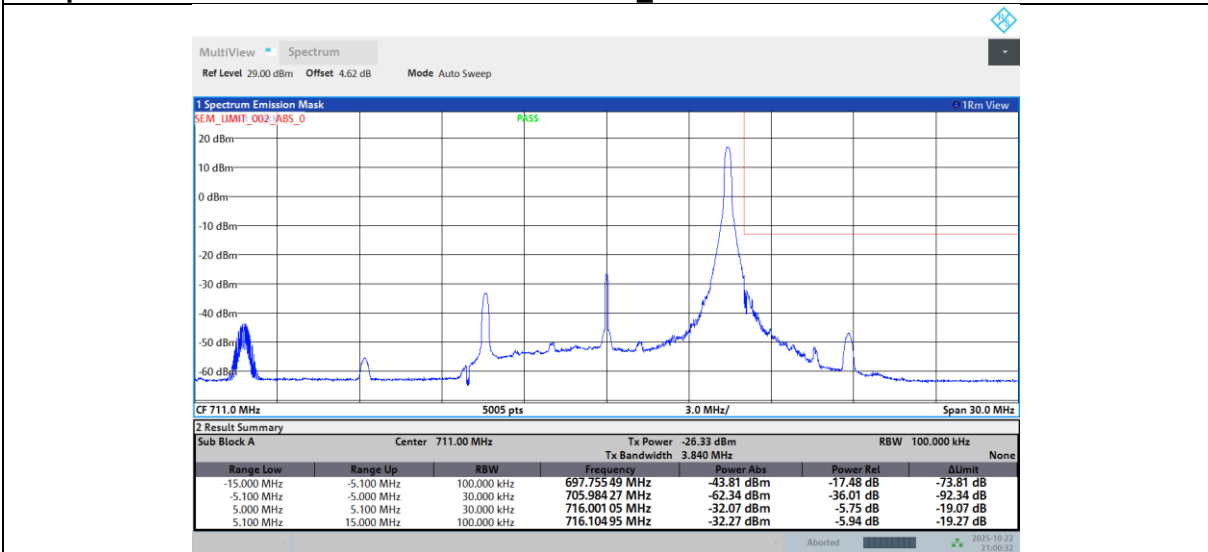
Graph45 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



Graph46 HIGH BAND EDGE BLOCK-10MHz-100%RB



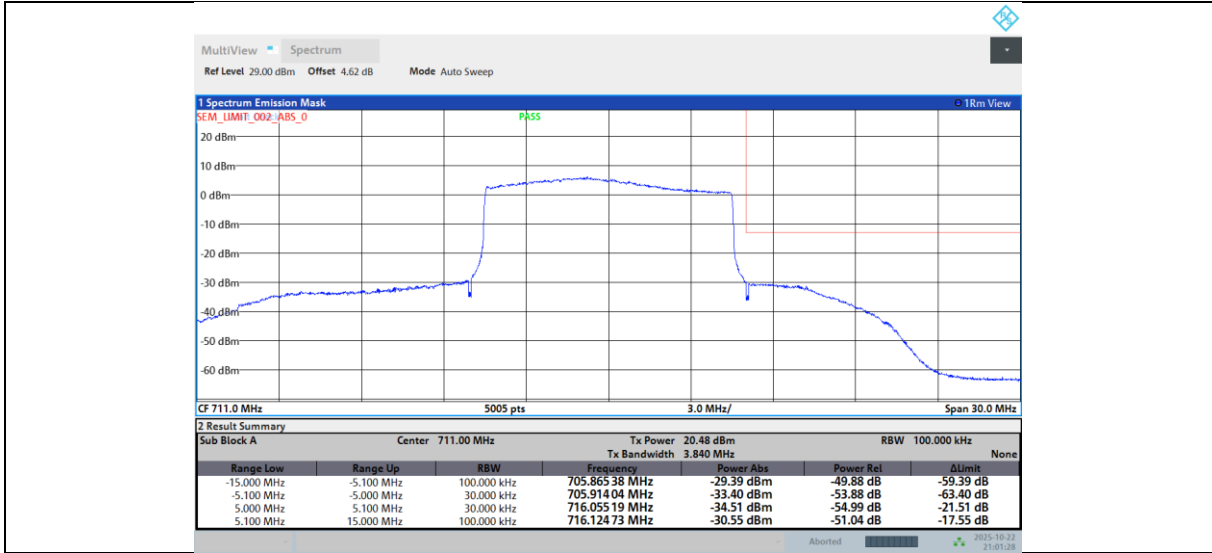
Graph47 HIGH BAND EDGE BLOCK-1RB-HIGH_offset



Graph48 HIGH BAND EDGE BLOCK-10MHz-100%RB



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CONDUCTED SPURIOUS EMISSION

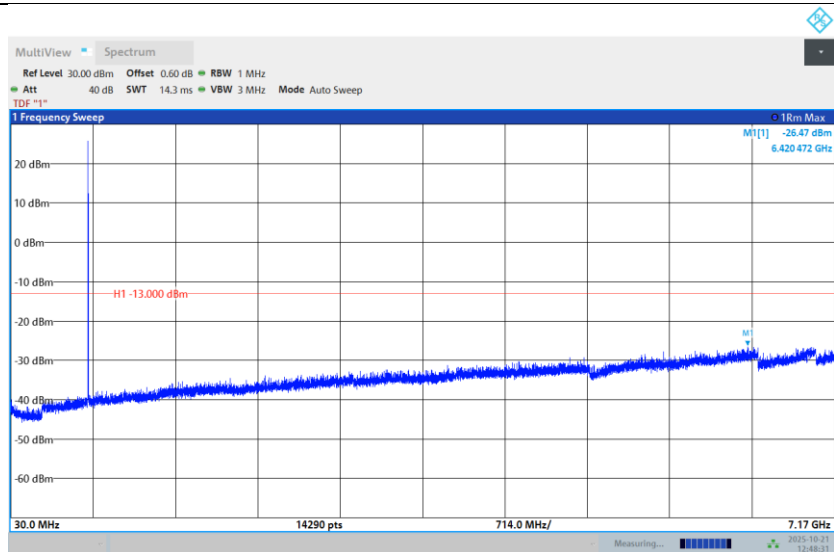
Test Result

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
1.4MHz	QPSK	23017	1RB Low	See Graph1	PASS
1.4MHz	QPSK	23095	1RB Low	See Graph2	PASS
1.4MHz	QPSK	23173	1RB Low	See Graph3	PASS
3MHz	QPSK	23025	1RB Low	See Graph4	PASS
3MHz	QPSK	23095	1RB Low	See Graph5	PASS
3MHz	QPSK	23165	1RB Low	See Graph6	PASS
5MHz	QPSK	23035	1RB Low	See Graph7	PASS
5MHz	QPSK	23095	1RB Low	See Graph8	PASS
5MHz	QPSK	23155	1RB Low	See Graph9	PASS
10MHz	QPSK	23060	1RB Low	See Graph10	PASS
10MHz	QPSK	23095	1RB Low	See Graph11	PASS
10MHz	QPSK	23130	1RB Low	See Graph12	PASS

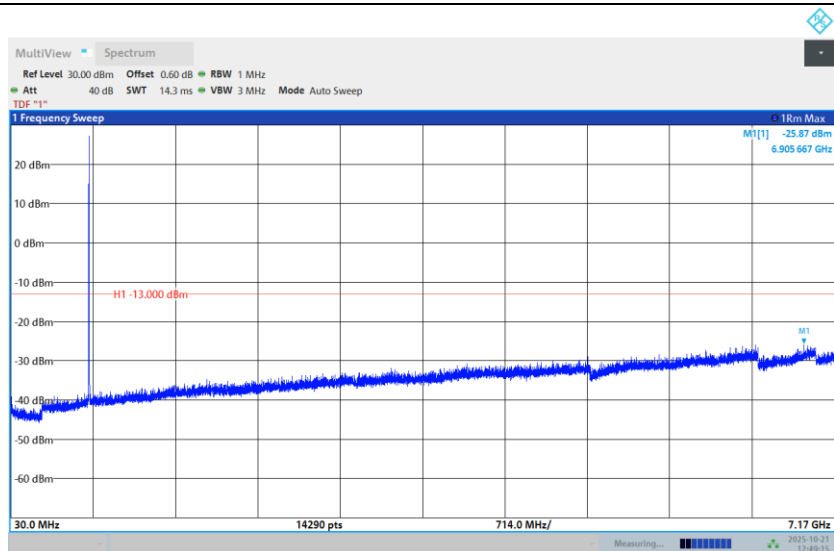


Test Graphs

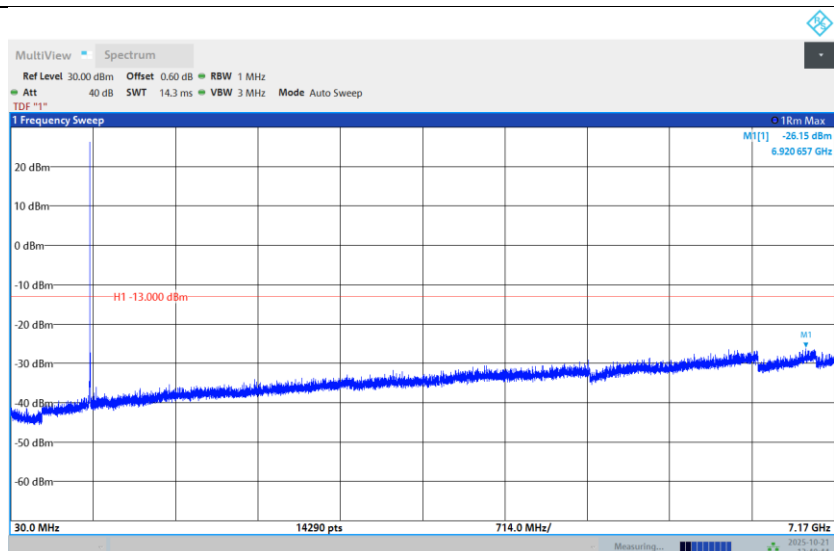
Graph1



Graph2

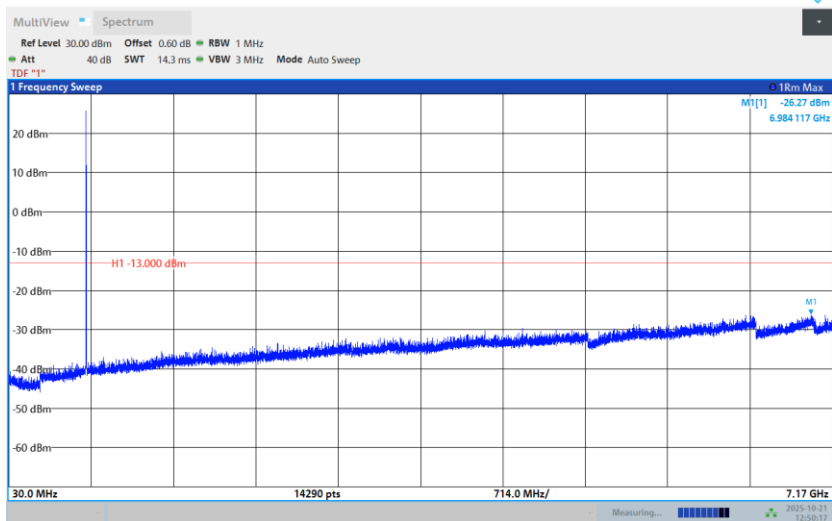


Graph3

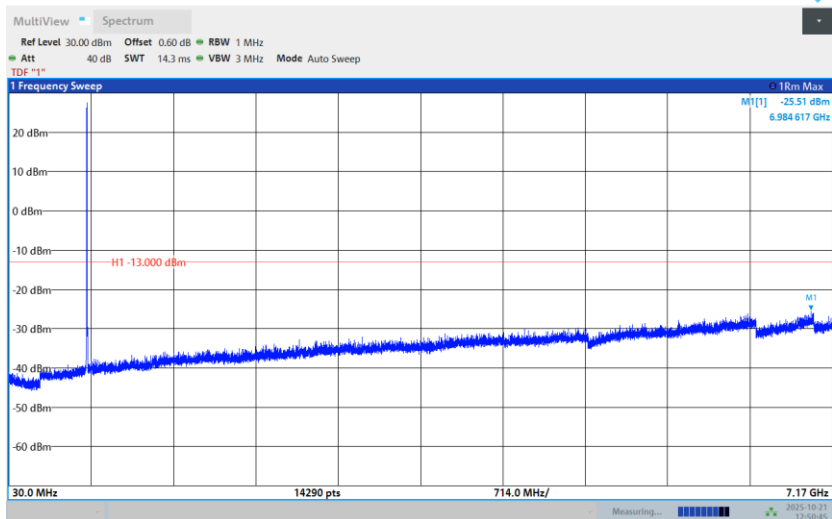




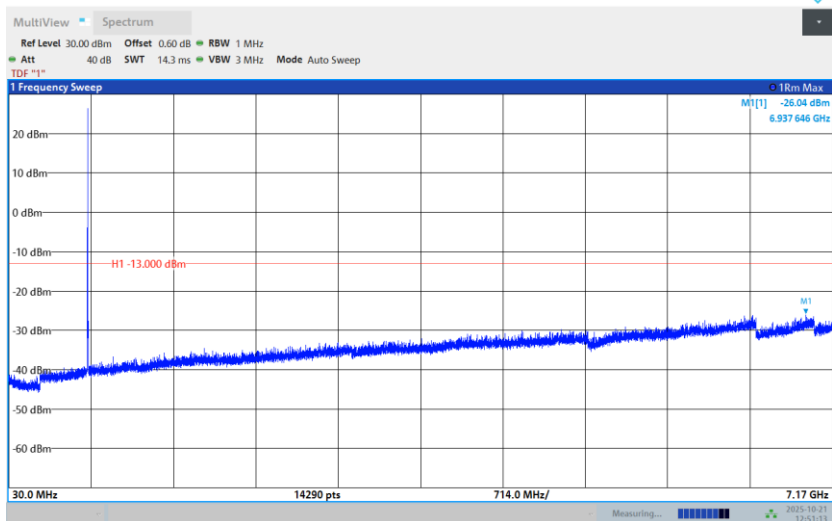
Graph4



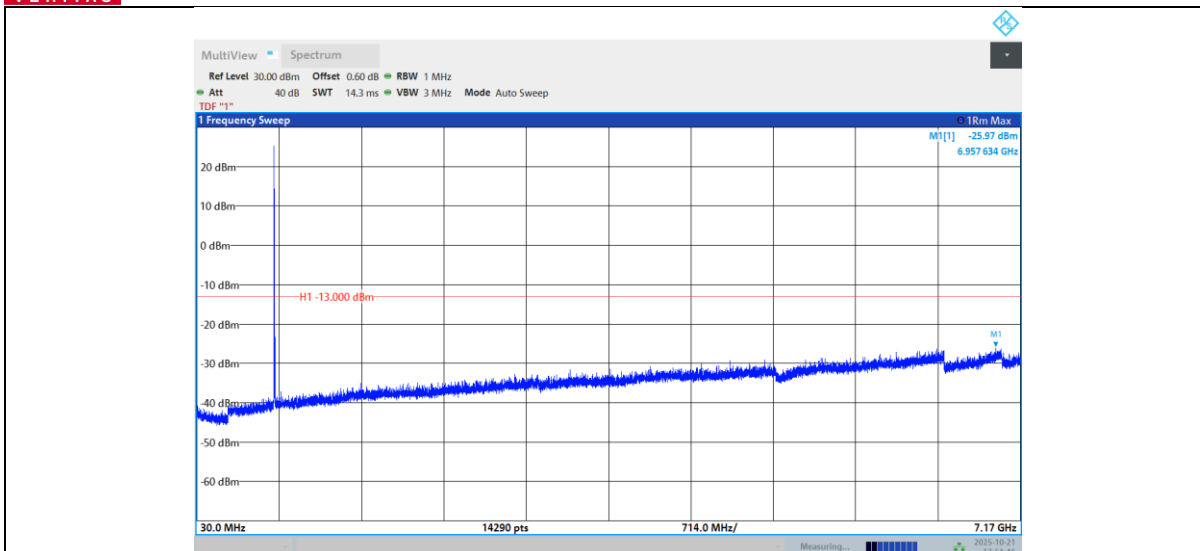
Graph5



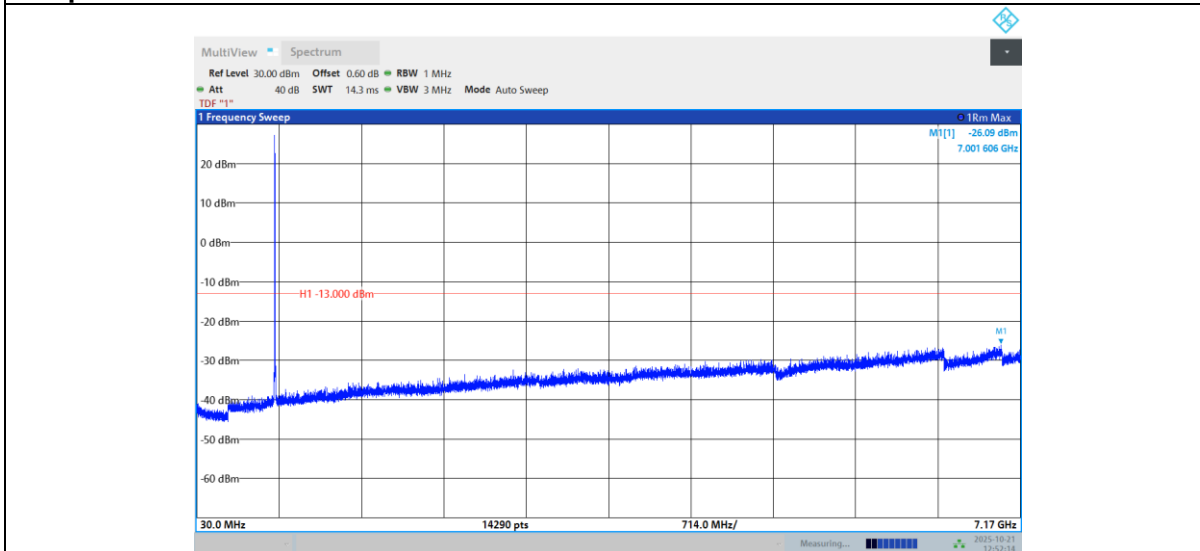
Graph6



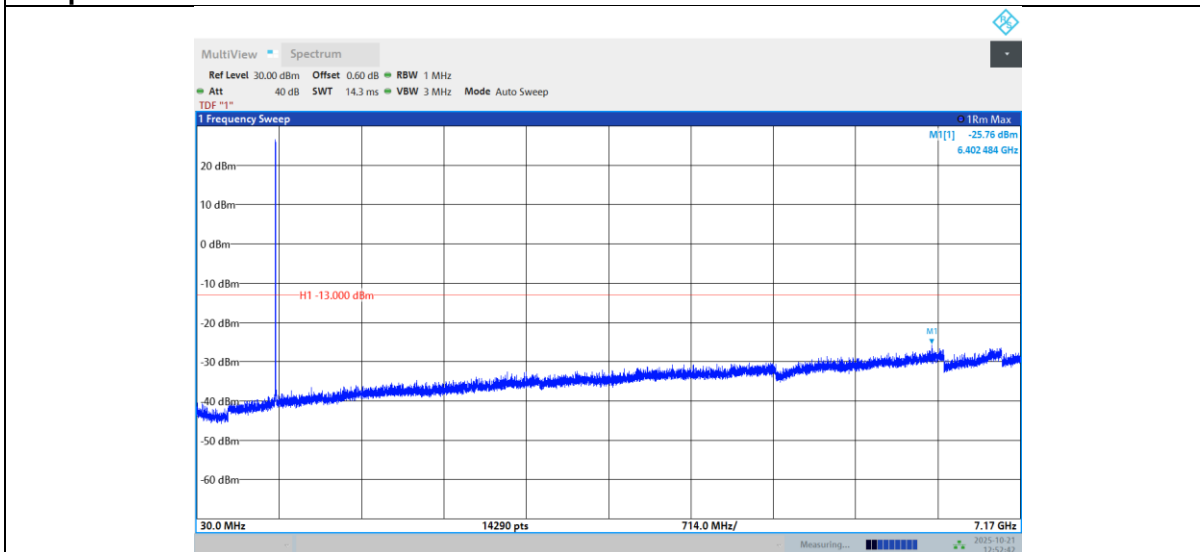
Graph7



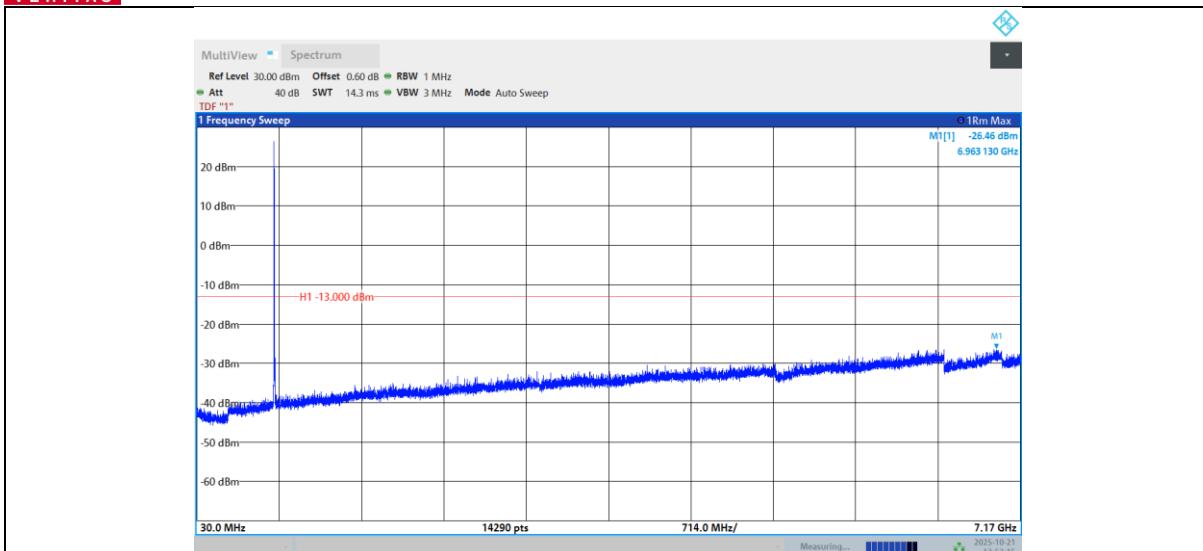
Graph8



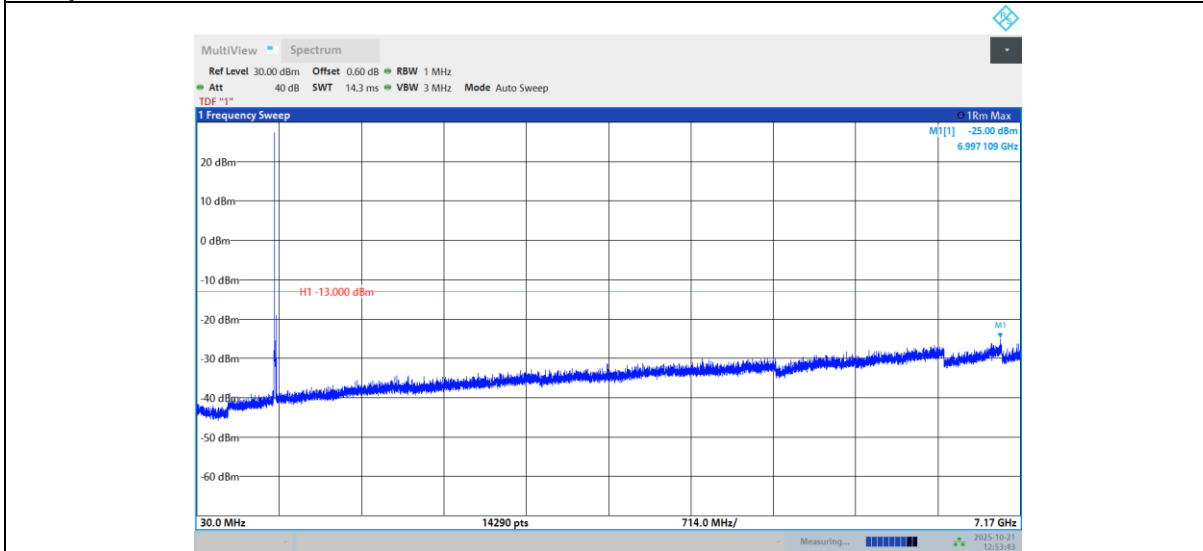
Graph9



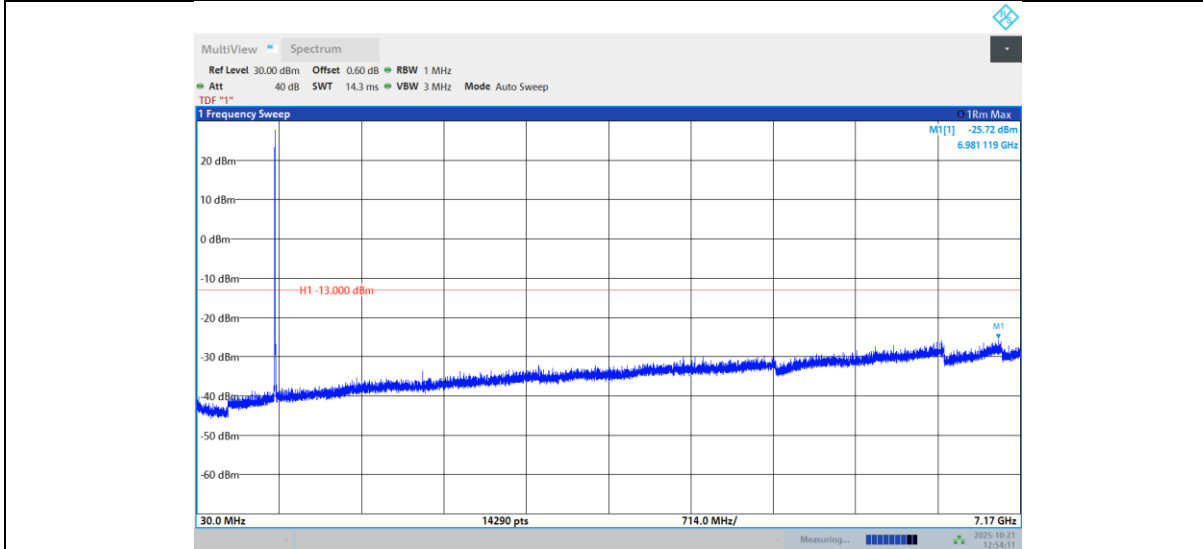
Graph10



Graph11



Graph12





FREQUENCY STABILITY

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature(°C)	Deviation(Hz)	Deviation(ppm)	Limit(ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-116.11	-0.0050	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-73.63	-0.0032	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-137.87	-0.0060	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-107.66	-0.0047	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-133.11	-0.0058	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-13.72	-0.0006	±2.5	PASS
Band12	10MHz	QPSK	21350	50RB#0	VL	NT	-83.77	-0.0036	±2.5	PASS
Band12	10MHz	QPSK	21350	50RB#0	VN	NT	-3.76	-0.0002	±2.5	PASS
Band12	10MHz	QPSK	21350	50RB#0	VH	NT	-161.09	-0.0070	±2.5	PASS



Temperature

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature(°C)	Deviation n(Hz)	Deviation (ppm)	Limit(ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-57.88	-0.0025	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	5.20	0.0002	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-168.01	-0.0073	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-160.21	-0.0069	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-118.99	-0.0052	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	17.01	0.0007	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	11.88	0.0005	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-151.70	-0.0066	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-148.76	-0.0065	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-23.37	-0.0010	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-71.11	-0.0031	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-95.68	-0.0041	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-125.32	-0.0054	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	17.07	0.0007	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-107.57	-0.0047	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-133.67	-0.0058	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-41.78	-0.0018	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-98.87	-0.0043	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-125.14	-0.0054	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-135.21	-0.0058	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-20.98	-0.0009	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-58.84	-0.0025	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-46.35	-0.0020	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-25.06	-0.0011	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	1.91	0.0001	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-51.04	-0.0022	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-88.69	-0.0038	±2.5	PASS



LTE BAND 13

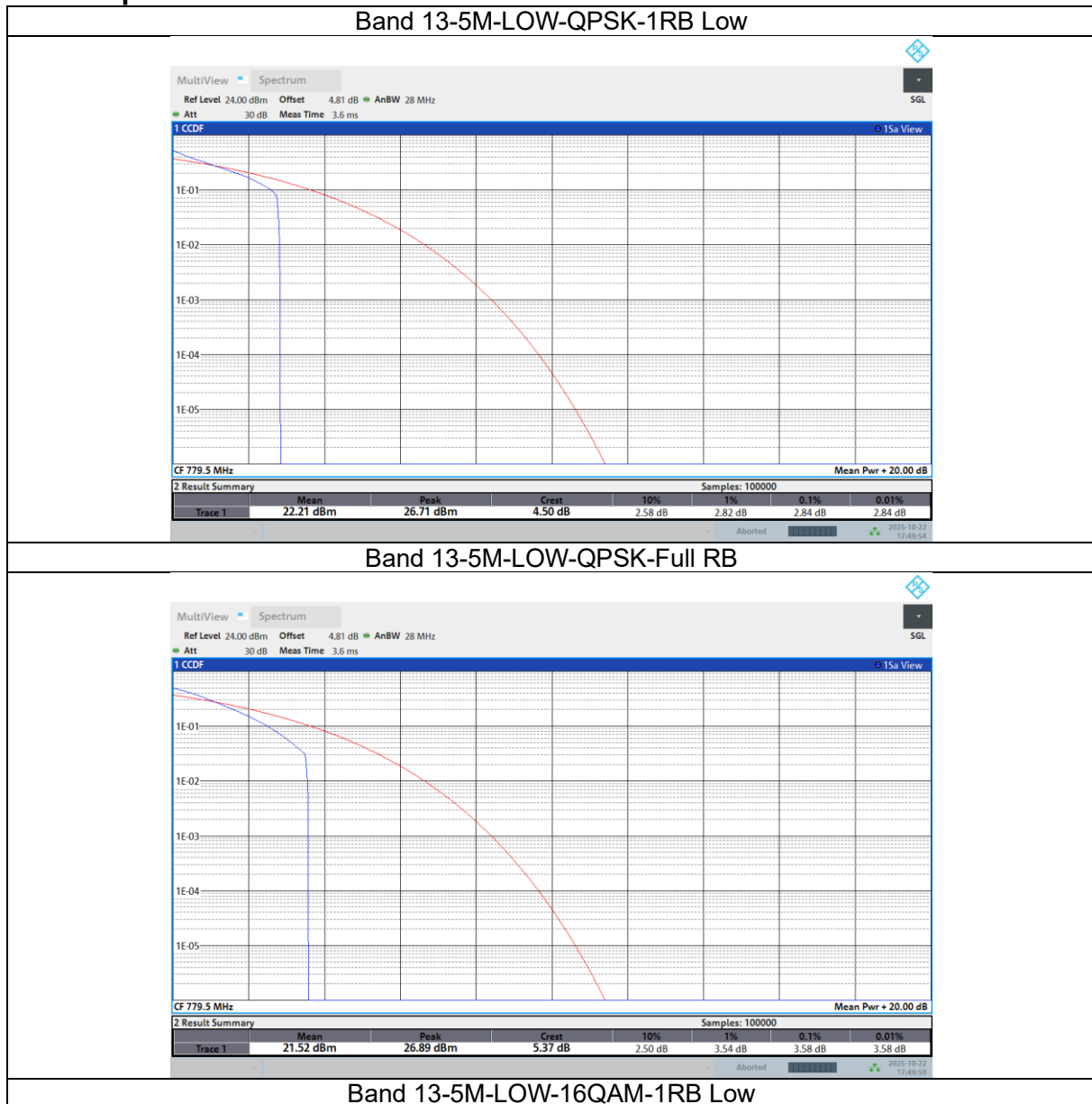
PEAK-TO-AVERAGE RATIO(CCDF)

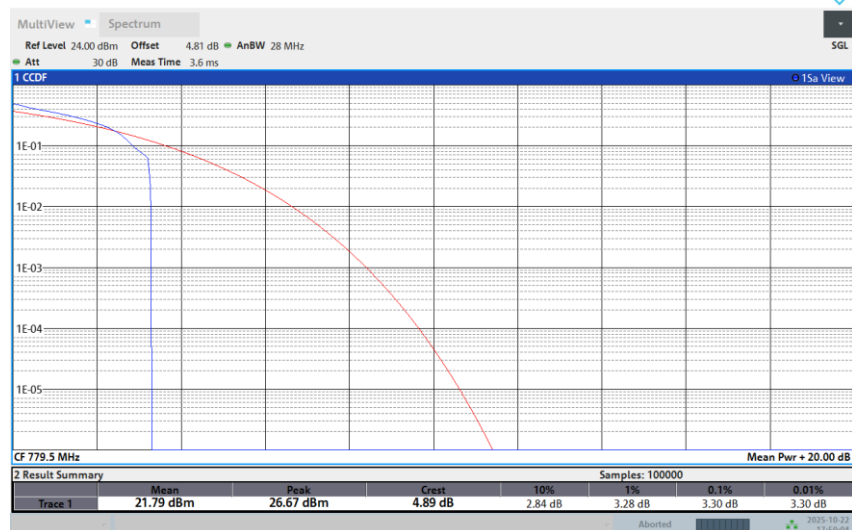
Test Result

Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
5MHz	QPSK	23205	1RB Low	2.84	13	PASS
5MHz	QPSK	23205	Full RB	3.58	13	PASS
5MHz	16QAM	23205	1RB Low	3.30	13	PASS
5MHz	16QAM	23205	Full RB	4.42	13	PASS
5MHz	64QAM	23205	1RB Low	4.06	13	PASS
5MHz	64QAM	23205	Full RB	5.54	13	PASS
5MHz	QPSK	23230	1RB Low	2.46	13	PASS
5MHz	QPSK	23230	Full RB	3.40	13	PASS
5MHz	16QAM	23230	1RB Low	3.30	13	PASS
5MHz	16QAM	23230	Full RB	4.34	13	PASS
5MHz	64QAM	23230	1RB Low	4.06	13	PASS
5MHz	64QAM	23230	Full RB	5.44	13	PASS
5MHz	QPSK	23255	1RB Low	2.74	13	PASS
5MHz	QPSK	23255	Full RB	3.68	13	PASS
5MHz	16QAM	23255	1RB Low	3.30	13	PASS
5MHz	16QAM	23255	Full RB	4.70	13	PASS
5MHz	64QAM	23255	1RB Low	4.34	13	PASS
5MHz	64QAM	23255	Full RB	5.72	13	PASS
10MHz	QPSK	23230	1RB Low	2.74	13	PASS
10MHz	QPSK	23230	Full RB	3.20	13	PASS
10MHz	16QAM	23230	1RB Low	3.12	13	PASS
10MHz	16QAM	23230	Full RB	4.52	13	PASS
10MHz	64QAM	23230	1RB Low	4.14	13	PASS
10MHz	64QAM	23230	Full RB	5.26	13	PASS

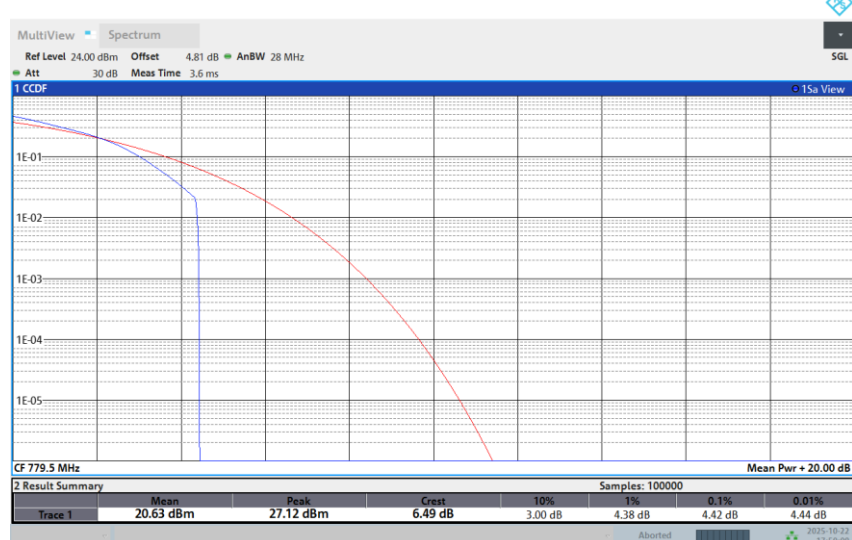


Test Graphs

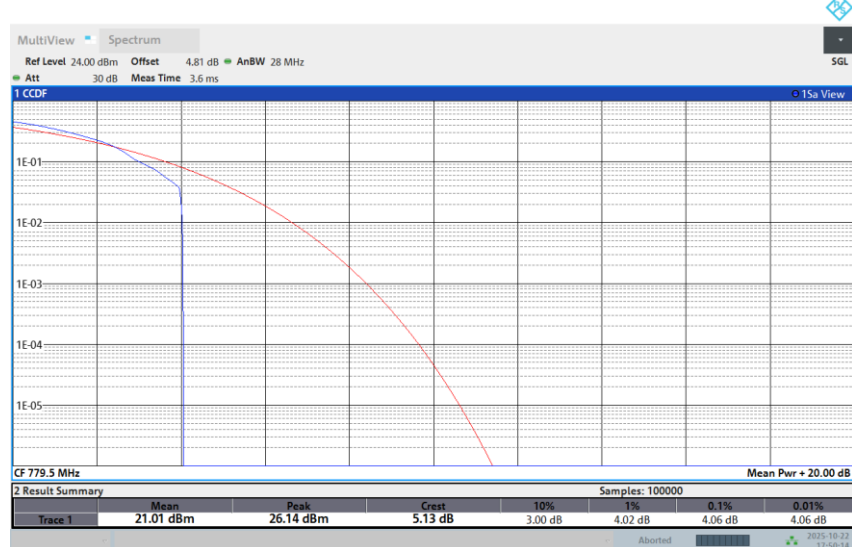




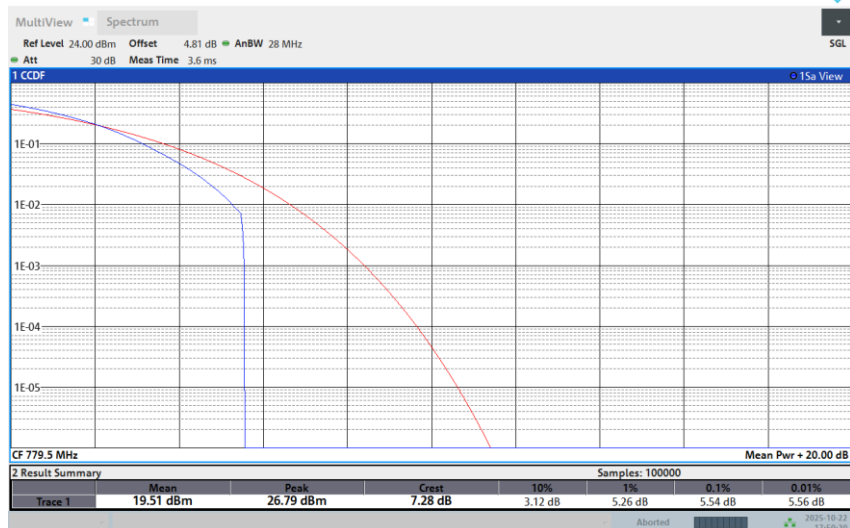
Band 13-5M-LOW-16QAM-Full RB



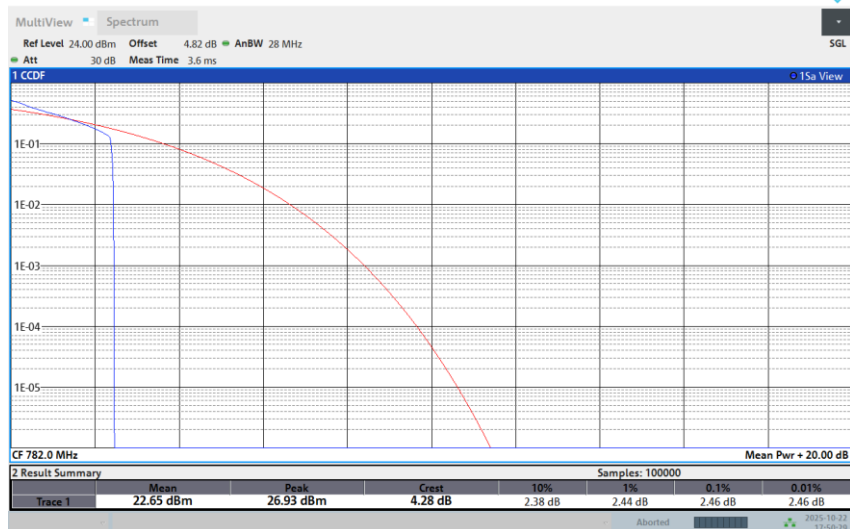
Band 13-5M-LOW-64QAM-1RB Low



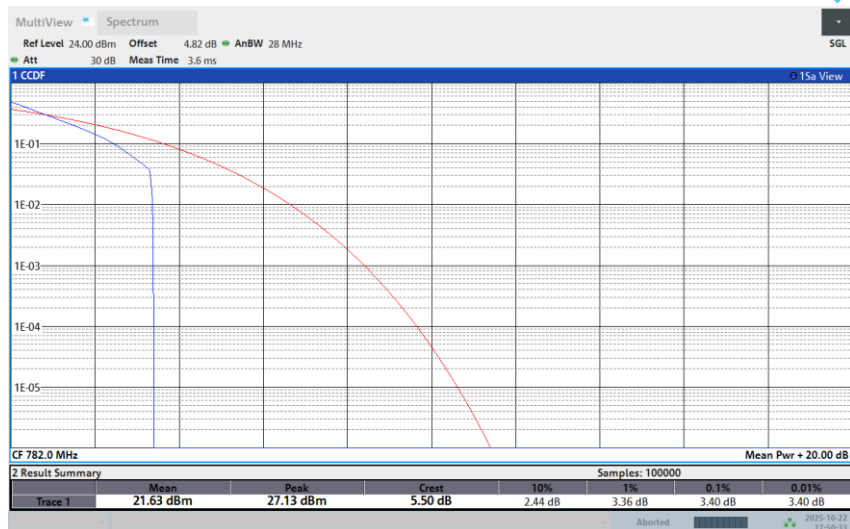
Band 13-5M-LOW-64QAM-Full RB



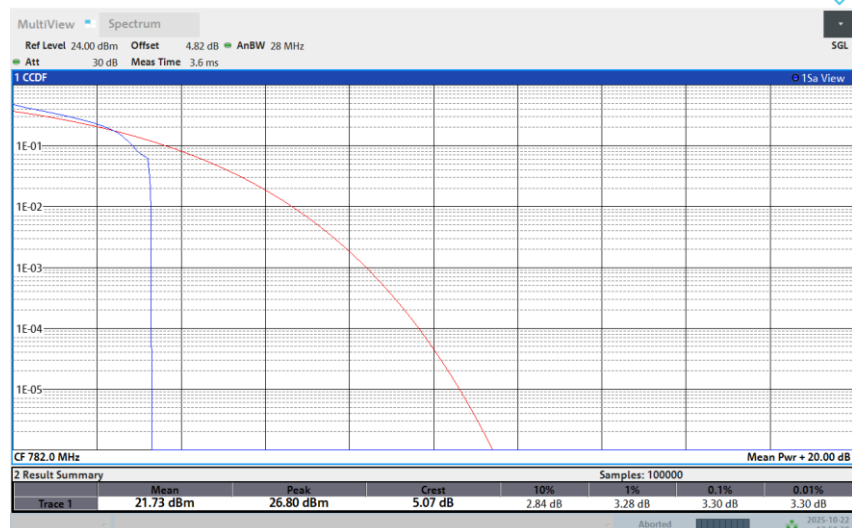
Band 13-5M-MID-QPSK-1RB Low



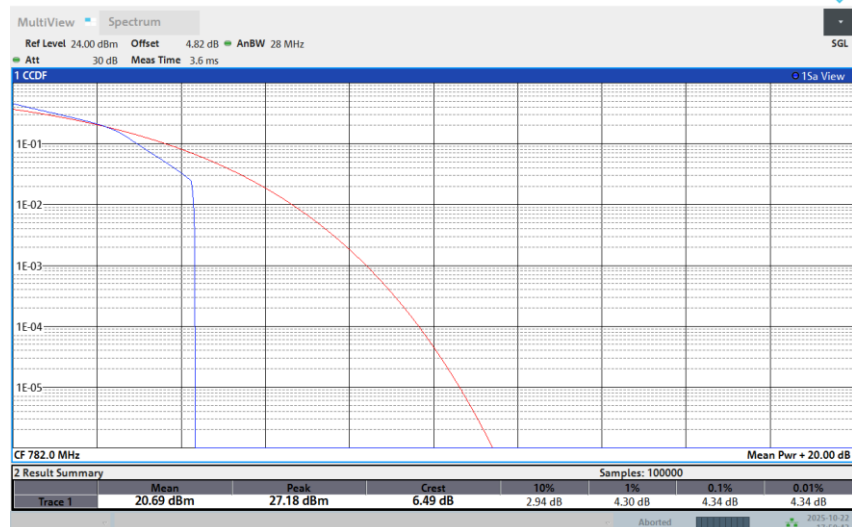
Band 13-5M-MID-QPSK-Full RB



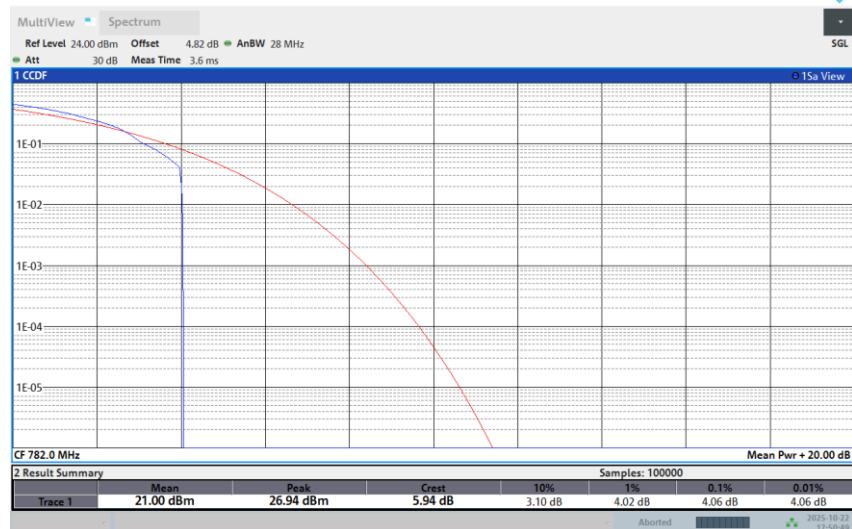
Band 13-5M-MID-16QAM-1RB Low



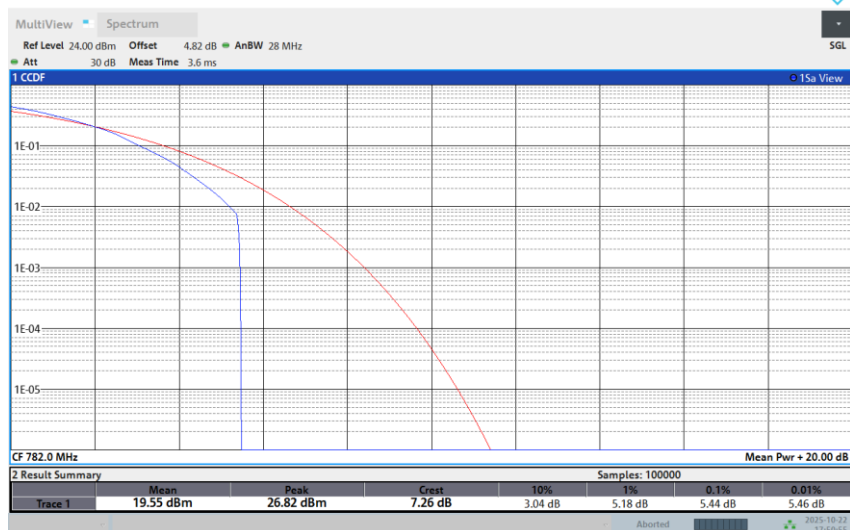
Band 13-5M-MID-16QAM-Full RB



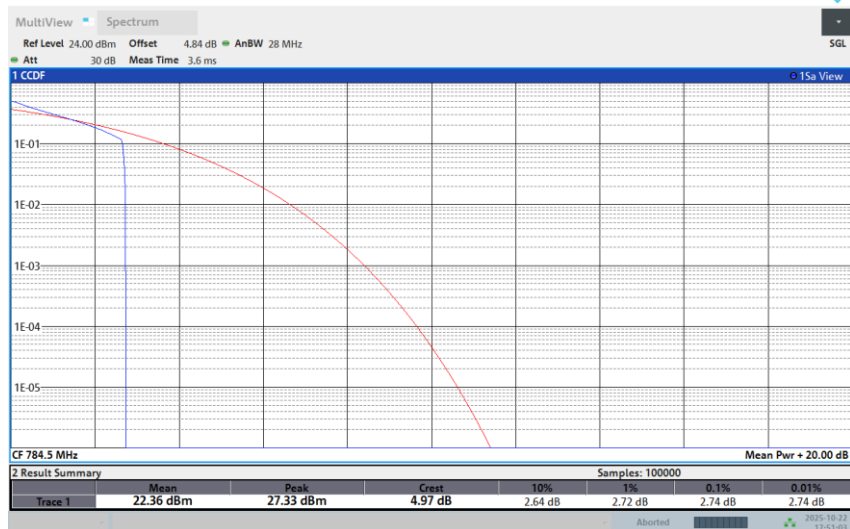
Band 13-5M-MID-64QAM-1RB Low



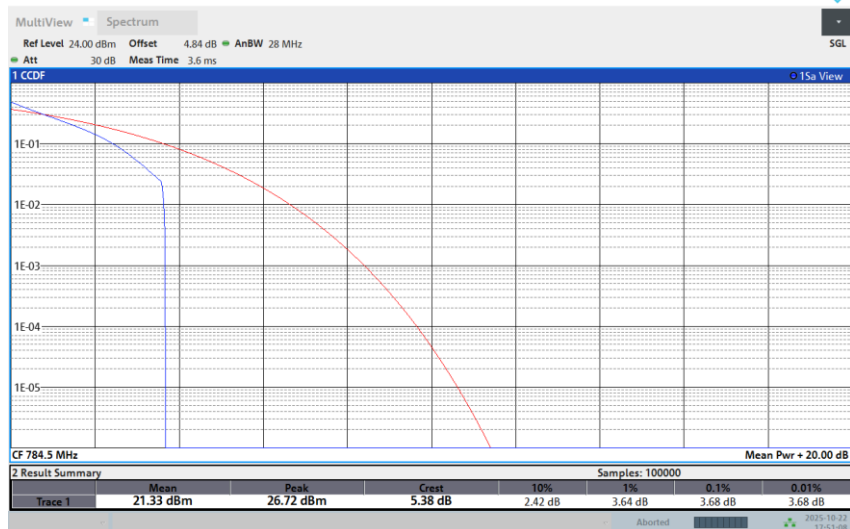
Band 13-5M-MID-64QAM-Full RB



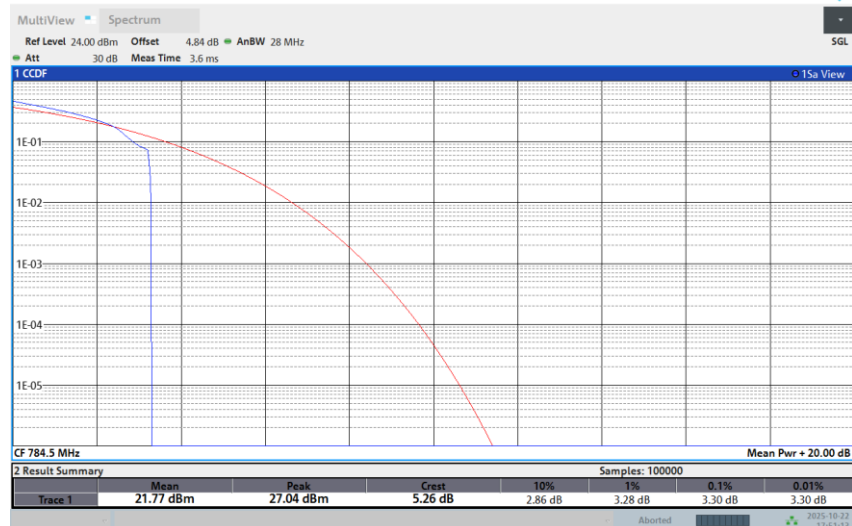
Band 13-5M-HIGH-QPSK-1RB Low



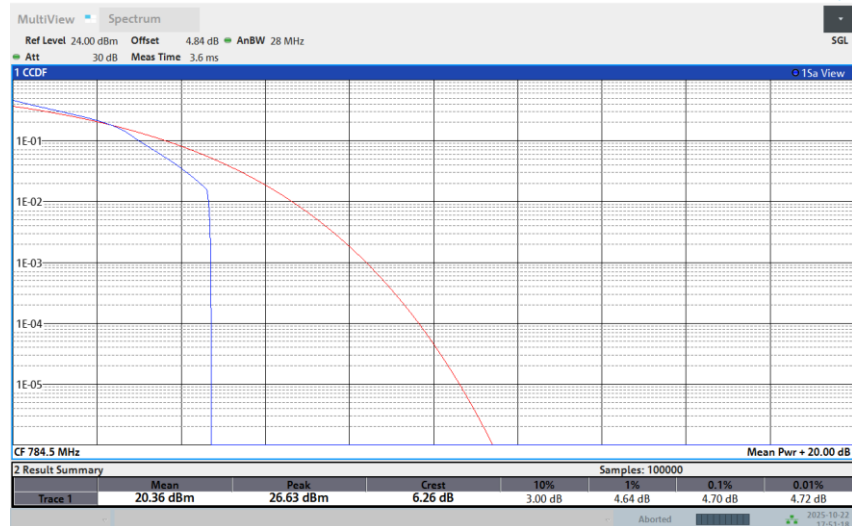
Band 13-5M-HIGH-QPSK-Full RB



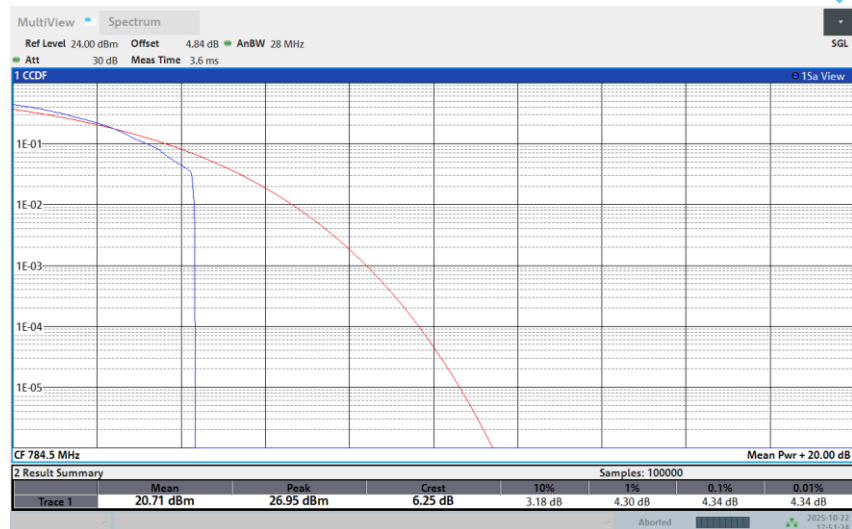
Band 13-5M-HIGH-16QAM-1RB Low



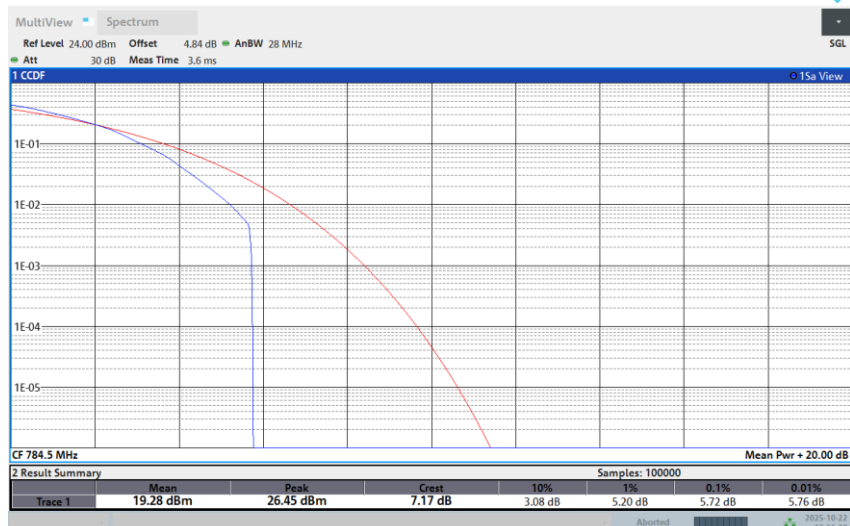
Band 13-5M-HIGH-16QAM-Full RB



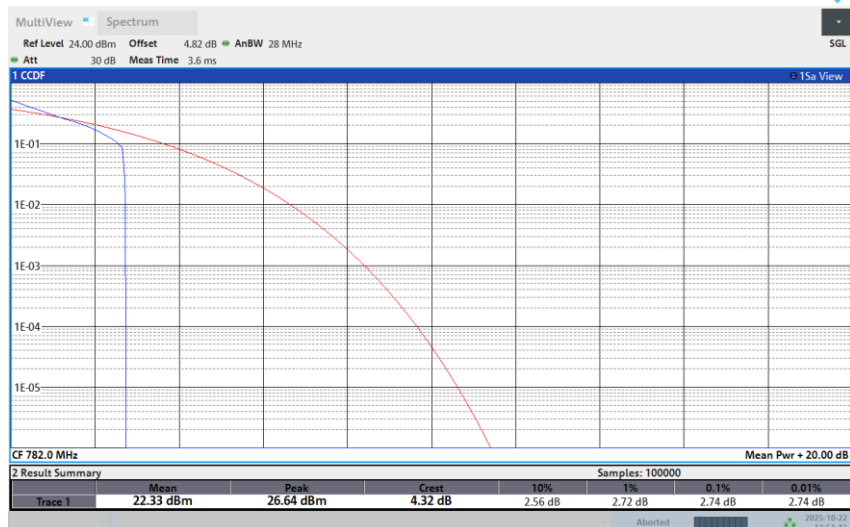
Band 13-5M-HIGH-64QAM-1RB Low



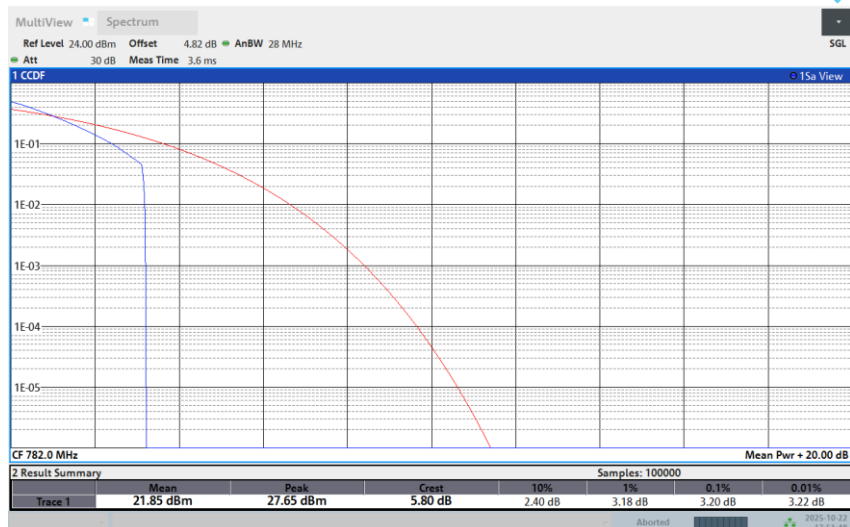
Band 13-5M-HIGH-64QAM-Full RB



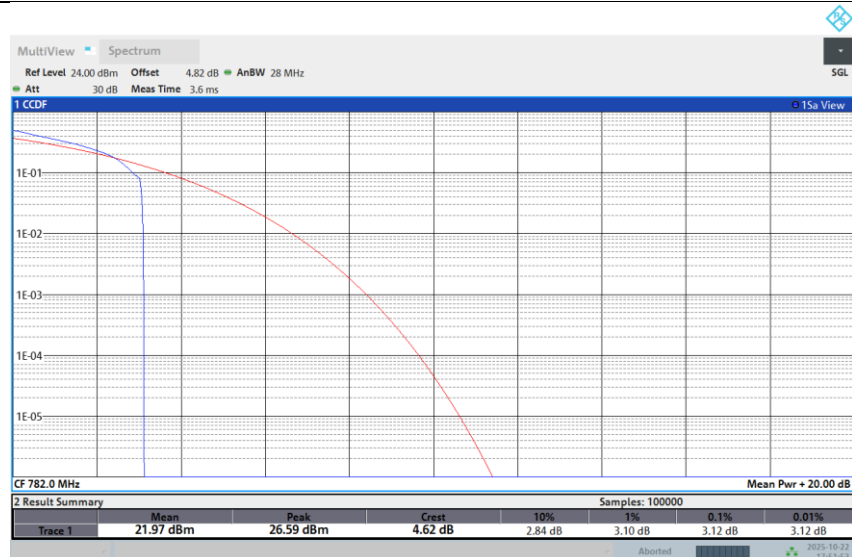
Band 13-10M-LOW-QPSK-1RB Low



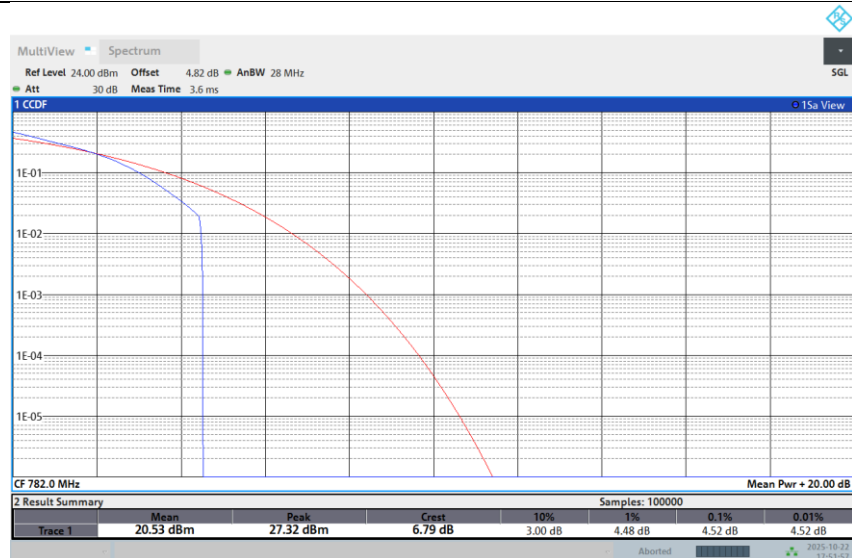
Band 13-10M-LOW-QPSK-Full RB



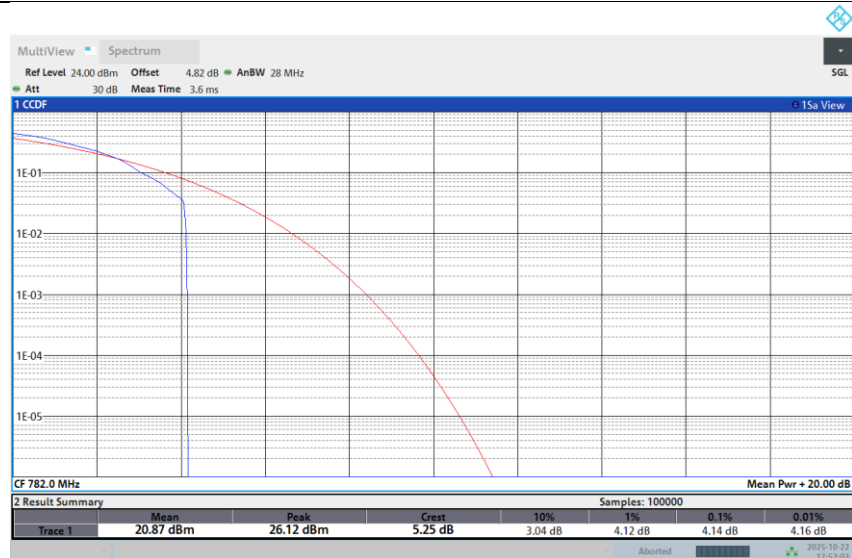
Band 13-10M-LOW-16QAM-1RB Low



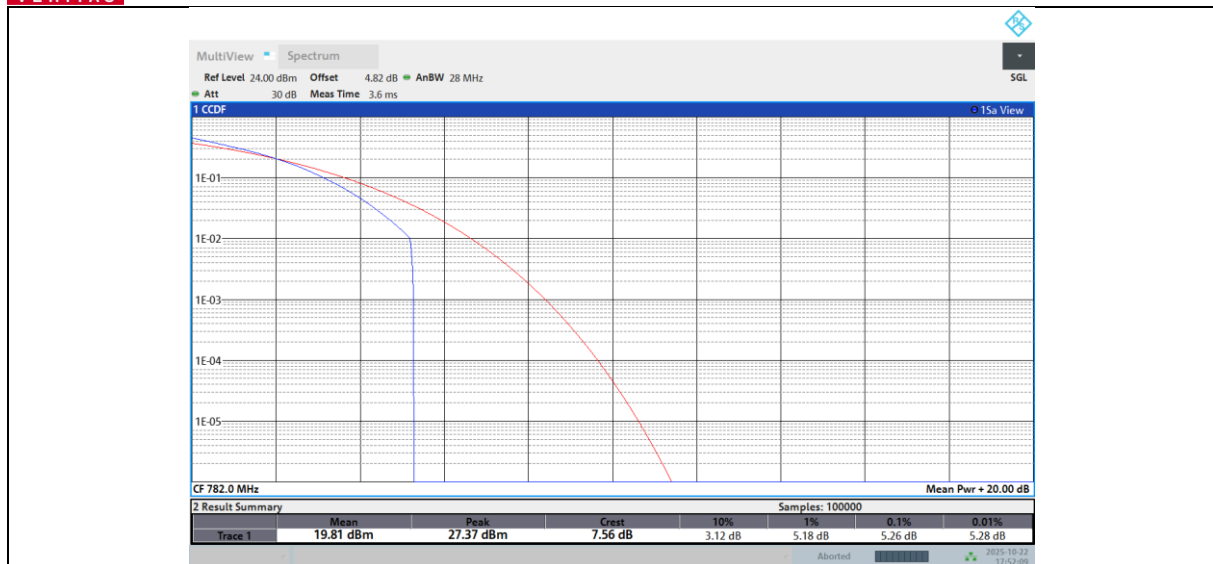
Band 13-10M-LOW-16QAM-Full RB



Band 13-10M-LOW-64QAM-1RB Low



Band 13-10M-LOW-64QAM-Full RB





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26DB BANDWIDTH AND OCCUPIED BANDWIDTH

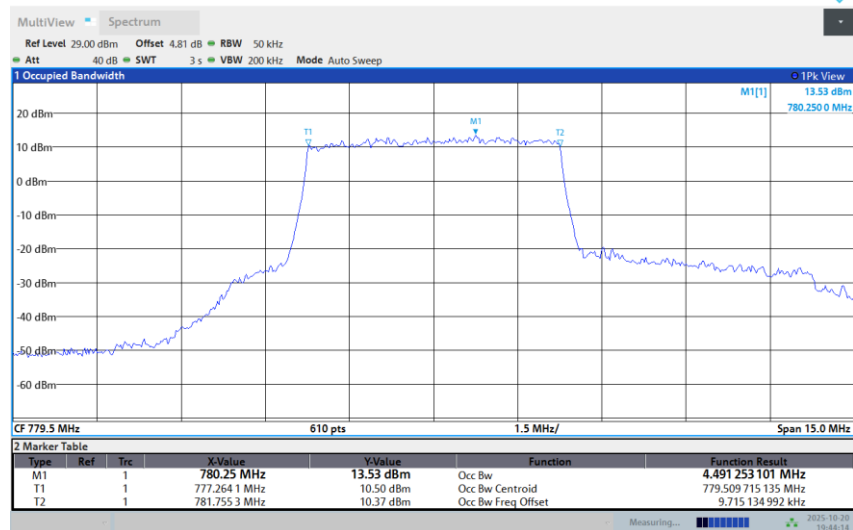
Test Result

Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth(MHz)	Verdict
5MHz	QPSK	23205	Full RB	4.491	PASS
5MHz	16QAM	23205	Full RB	4.478	PASS
5MHz	64QAM	23205	Full RB	4.476	PASS
5MHz	QPSK	23230	Full RB	4.493	PASS
5MHz	16QAM	23230	Full RB	4.496	PASS
5MHz	64QAM	23230	Full RB	4.493	PASS
5MHz	QPSK	23255	Full RB	4.489	PASS
5MHz	16QAM	23255	Full RB	4.500	PASS
5MHz	64QAM	23255	Full RB	4.493	PASS
10MHz	QPSK	23230	Full RB	8.943	PASS
10MHz	16QAM	23230	Full RB	8.942	PASS
10MHz	64QAM	23230	Full RB	8.933	PASS

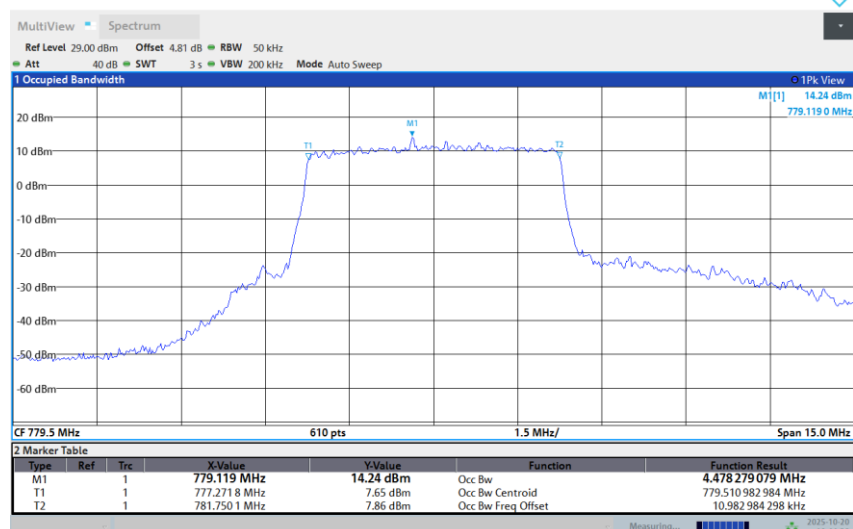


Test Graphs

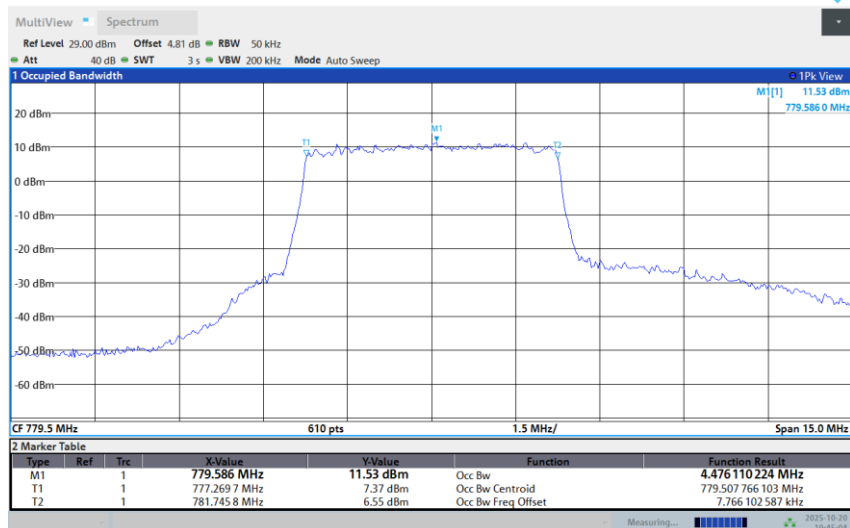
Band 13-5M-LOW-QPSK-Full RB



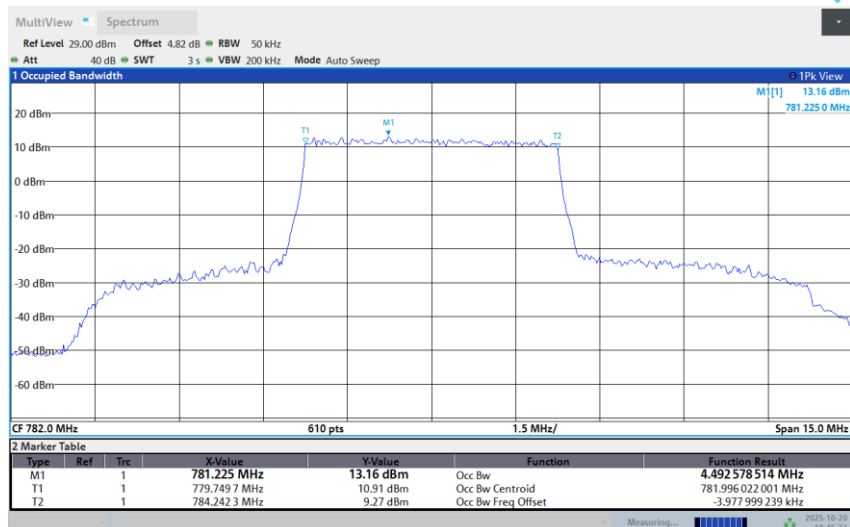
Band 13-5M-LOW-16QAM-Full RB



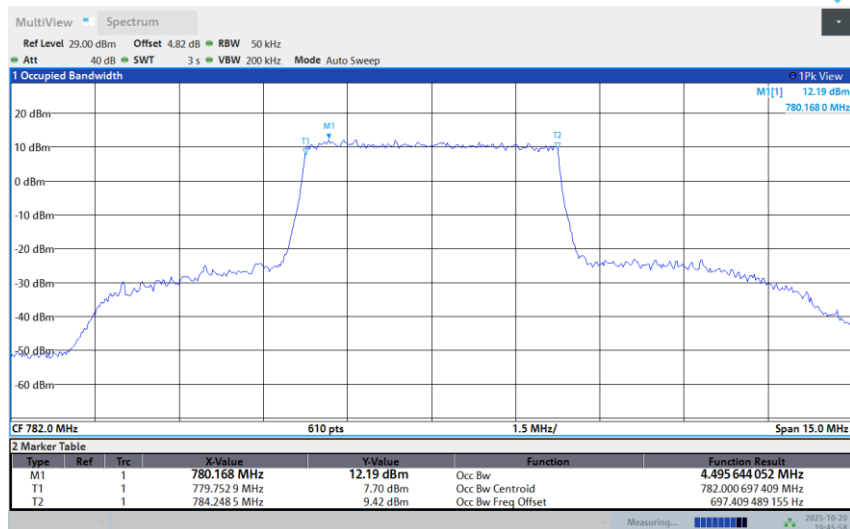
Band 13-5M-LOW-64QAM-Full RB



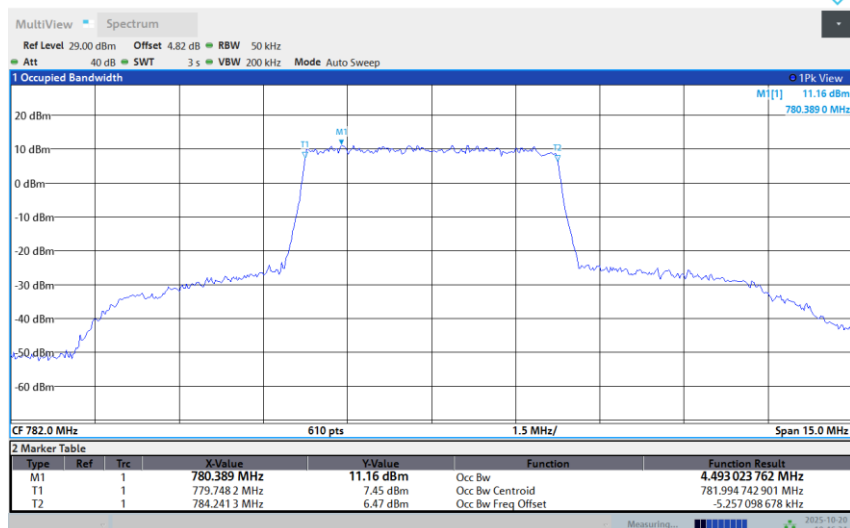
Band 13-5M-MID-QPSK-Full RB



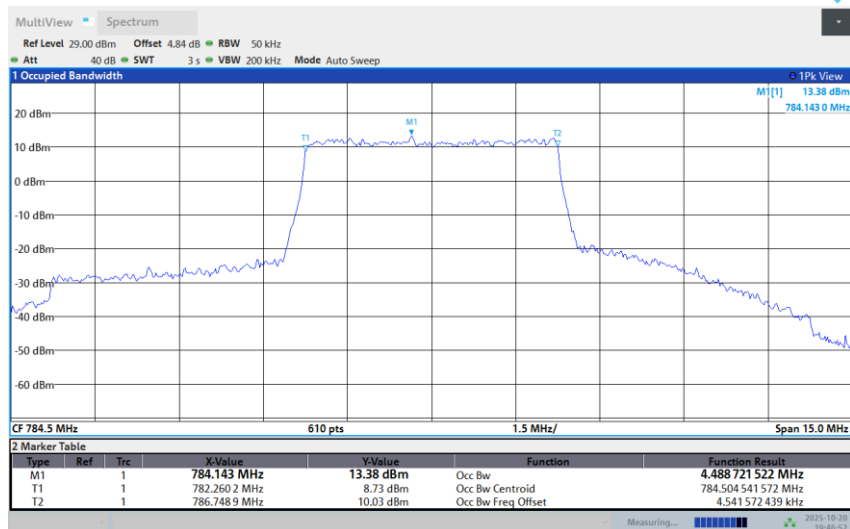
Band 13-5M-MID-16QAM-Full RB



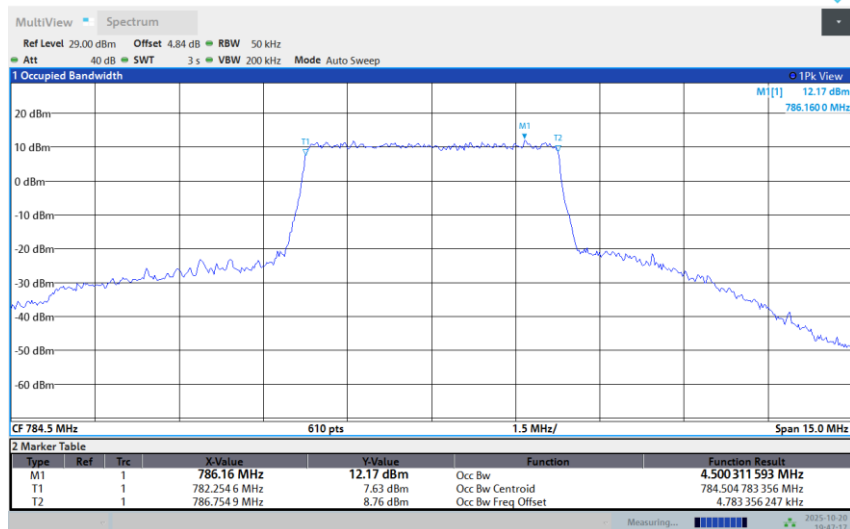
Band 13-5M-MID-64QAM-Full RB



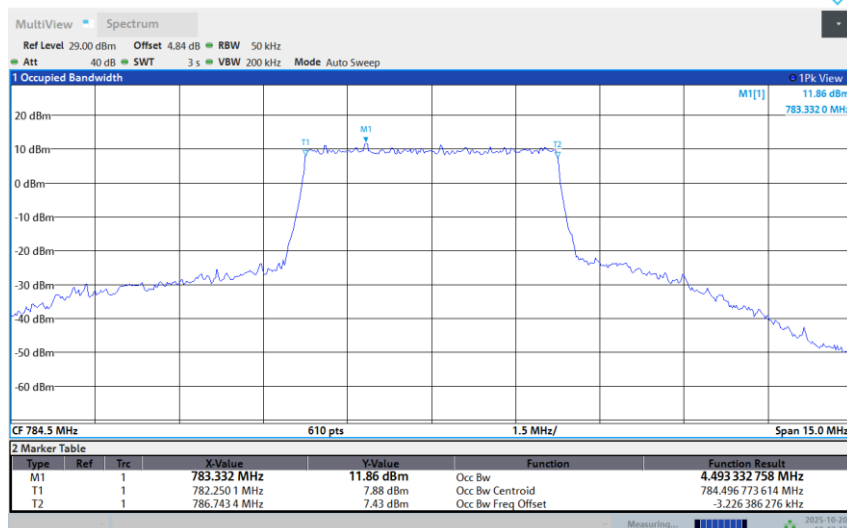
Band 13-5M-HIGH-QPSK-Full RB



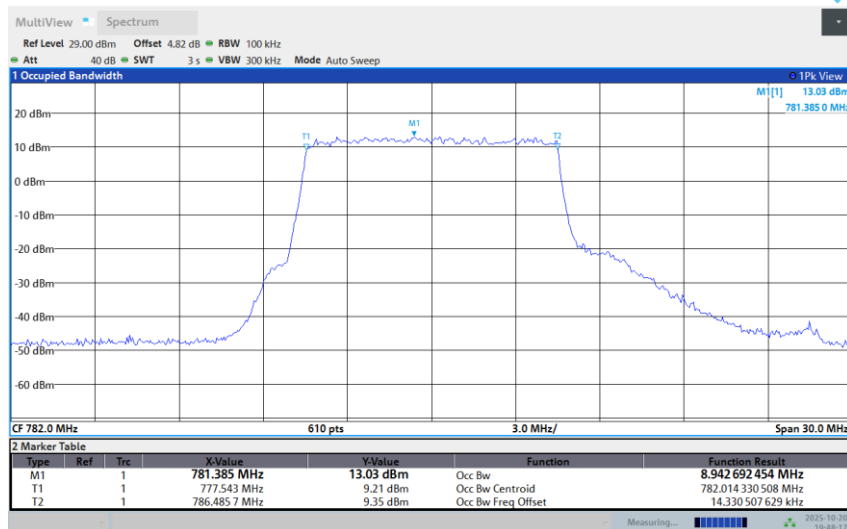
Band 13-5M-HIGH-16QAM-Full RB



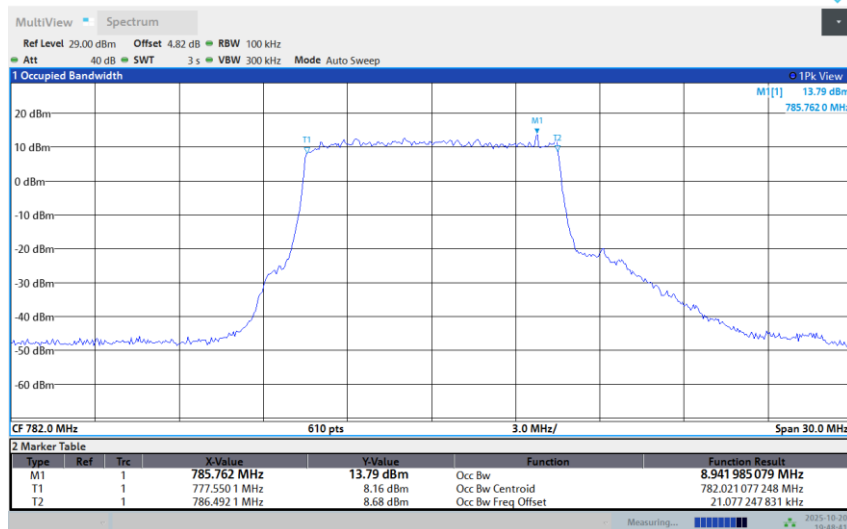
Band 13-5M-HIGH-64QAM-Full RB



Band 13-10M-LOW-QPSK-Full RB



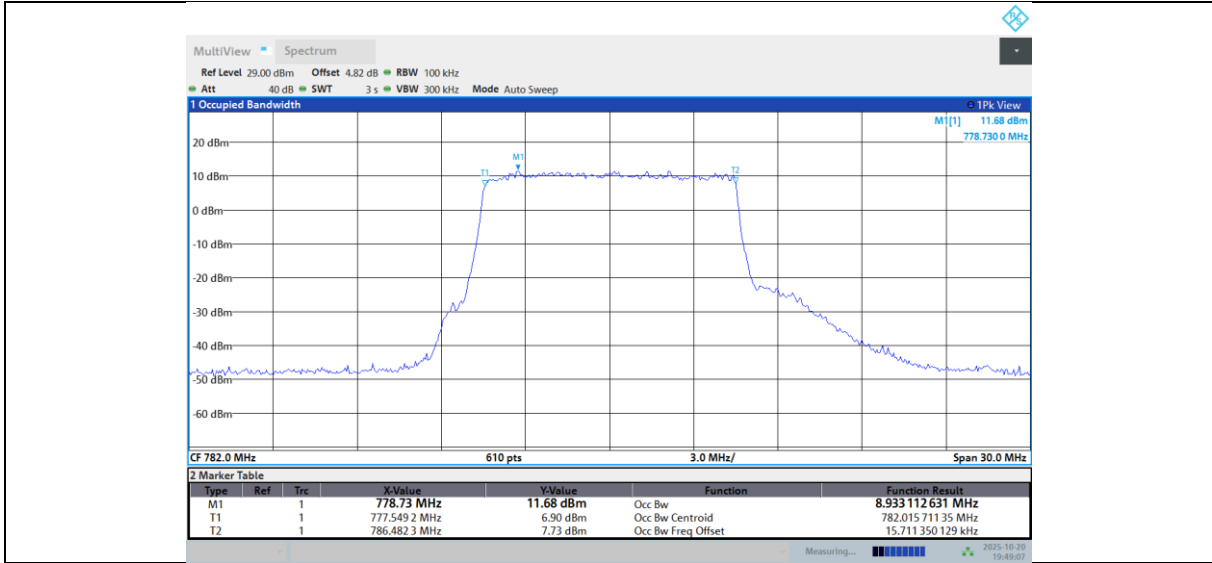
Band 13-10M-LOW-16QAM-Full RB



Band 13-10M-LOW-64QAM-Full RB



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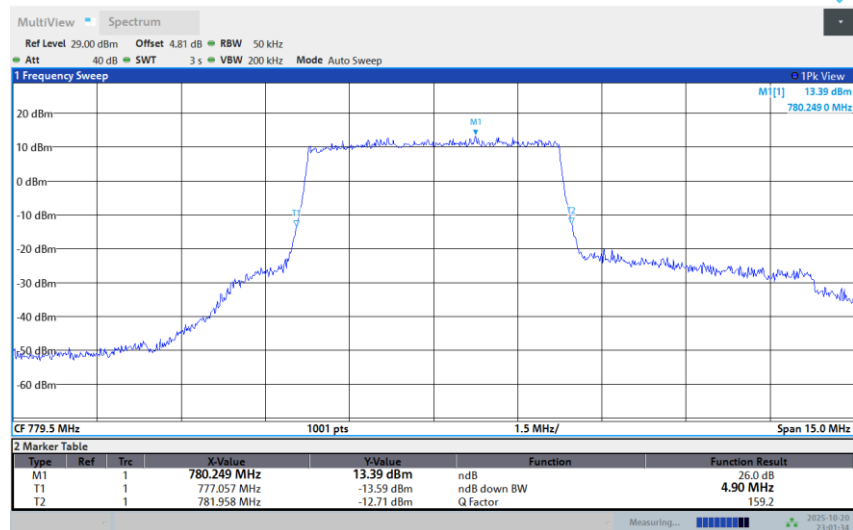
Test Result

Bandwidth	Modulation	Channel	RB Configuration	26dB Bandwidth(MHz)	Verdict
5MHz	QPSK	23205	Full RB	4.90	PASS
5MHz	16QAM	23205	Full RB	4.83	PASS
5MHz	64QAM	23205	Full RB	4.88	PASS
5MHz	QPSK	23230	Full RB	4.92	PASS
5MHz	16QAM	23230	Full RB	4.92	PASS
5MHz	64QAM	23230	Full RB	4.93	PASS
5MHz	QPSK	23255	Full RB	4.93	PASS
5MHz	16QAM	23255	Full RB	4.97	PASS
5MHz	64QAM	23255	Full RB	4.90	PASS
10MHz	QPSK	23230	Full RB	9.77	PASS
10MHz	16QAM	23230	Full RB	9.59	PASS
10MHz	64QAM	23230	Full RB	9.65	PASS

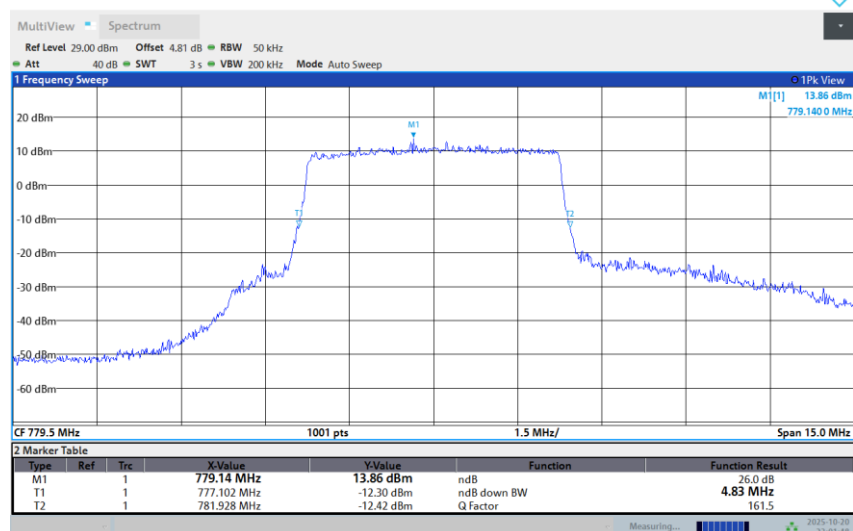


Test Graphs

Band 13-5M-LOW-QPSK-Full RB



Band 13-5M-LOW-16QAM-Full RB



Band 13-5M-LOW-64QAM-Full RB