



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	LV	NT	-161.24	-0.0643	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	NT	-159.42	-0.0636	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	HV	NT	2.78	0.0011	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	LV	NT	-0.30	-0.0001	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	NT	-178.95	-0.0690	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	HV	NT	-48.02	-0.0185	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	LV	NT	-169.91	-0.0634	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	NT	-53.12	-0.0198	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	HV	NT	-166.78	-0.0622	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	-59.74	-0.0238	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	-35.44	-0.0141	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	-171.88	-0.0686	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	-160.21	-0.0639	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	-128.64	-0.0513	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	-63.30	-0.0253	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	-167.63	-0.0669	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-29.51	-0.0118	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	3.18	0.0013	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-61.90	-0.0239	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-55.36	-0.0213	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-14.71	-0.0057	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	11.92	0.0046	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-89.45	-0.0345	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-39.46	-0.0152	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-84.87	-0.0327	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-11.94	-0.0046	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-31.07	-0.0120	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	-77.67	-0.0290	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	-109.53	-0.0409	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	-173.79	-0.0648	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	12.31	0.0046	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	-39.44	-0.0147	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	-29.40	-0.0110	±2.5	PASS



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Band41	20MHz	QPSK	41490	100RB#0	NV	30	1.38	0.0005	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	4.08	0.0015	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	-22.96	-0.0086	±2.5	PASS



LTE BAND66(INCLUDING LTE BAND4)

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
1.4MHz	QPSK	131979	1RB Low	5.58	13	PASS
1.4MHz	QPSK	131979	Full RB	6.04	13	PASS
1.4MHz	16QAM	131979	1RB Low	6.46	13	PASS
1.4MHz	16QAM	131979	Full RB	6.62	13	PASS
1.4MHz	QPSK	132322	1RB Low	5.38	13	PASS
1.4MHz	QPSK	132322	Full RB	5.70	13	PASS
1.4MHz	16QAM	132322	1RB Low	6.50	13	PASS
1.4MHz	16QAM	132322	Full RB	6.60	13	PASS
1.4MHz	QPSK	132665	1RB Low	5.18	13	PASS
1.4MHz	QPSK	132665	Full RB	5.52	13	PASS
1.4MHz	16QAM	132665	1RB Low	5.74	13	PASS
1.4MHz	16QAM	132665	Full RB	6.52	13	PASS
3MHz	QPSK	131987	1RB Low	5.52	13	PASS
3MHz	QPSK	131987	Full RB	6.14	13	PASS
3MHz	16QAM	131987	1RB Low	6.50	13	PASS
3MHz	16QAM	131987	Full RB	6.70	13	PASS
3MHz	QPSK	132322	1RB Low	5.42	13	PASS
3MHz	QPSK	132322	Full RB	5.86	13	PASS
3MHz	16QAM	132322	1RB Low	6.58	13	PASS
3MHz	16QAM	132322	Full RB	6.70	13	PASS
3MHz	QPSK	132657	1RB Low	5.00	13	PASS
3MHz	QPSK	132657	Full RB	5.66	13	PASS
3MHz	16QAM	132657	1RB Low	5.70	13	PASS
3MHz	16QAM	132657	Full RB	6.54	13	PASS
5MHz	QPSK	131997	1RB Low	5.72	13	PASS
5MHz	QPSK	131997	Full RB	6.00	13	PASS
5MHz	16QAM	131997	1RB Low	6.20	13	PASS
5MHz	16QAM	131997	Full RB	6.68	13	PASS
5MHz	QPSK	132322	1RB Low	5.40	13	PASS
5MHz	QPSK	132322	Full RB	5.86	13	PASS
5MHz	16QAM	132322	1RB Low	5.76	13	PASS
5MHz	16QAM	132322	Full RB	6.70	13	PASS
5MHz	QPSK	132647	1RB Low	5.44	13	PASS
5MHz	QPSK	132647	Full RB	5.66	13	PASS
5MHz	16QAM	132647	1RB Low	5.98	13	PASS
5MHz	16QAM	132647	Full RB	6.36	13	PASS
10MHz	QPSK	132022	1RB Low	5.52	13	PASS
10MHz	QPSK	132022	Full RB	5.96	13	PASS
10MHz	16QAM	132022	1RB Low	6.32	13	PASS
10MHz	16QAM	132022	Full RB	6.64	13	PASS
10MHz	QPSK	132322	1RB Low	5.64	13	PASS
10MHz	QPSK	132322	Full RB	5.86	13	PASS
10MHz	16QAM	132322	1RB Low	6.28	13	PASS
10MHz	16QAM	132322	Full RB	6.68	13	PASS

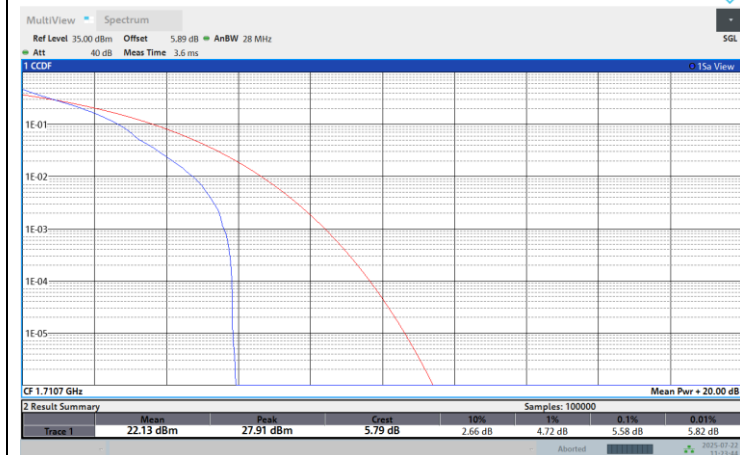
**BUREAU VERITAS** Test Report No.: PSU-QSZ2507090114RF04

10MHz	QPSK	132622	1RB Low	5.44	13	PASS
10MHz	QPSK	132622	Full RB	5.70	13	PASS
10MHz	16QAM	132622	1RB Low	6.28	13	PASS
10MHz	16QAM	132622	Full RB	6.54	13	PASS
15MHz	QPSK	132047	1RB Low	5.34	13	PASS
15MHz	QPSK	132047	Full RB	6.18	13	PASS
15MHz	16QAM	132047	1RB Low	6.20	13	PASS
15MHz	16QAM	132047	Full RB	6.76	13	PASS
15MHz	QPSK	132322	1RB Low	5.16	13	PASS
15MHz	QPSK	132322	Full RB	6.16	13	PASS
15MHz	16QAM	132322	1RB Low	6.50	13	PASS
15MHz	16QAM	132322	Full RB	6.66	13	PASS
15MHz	QPSK	132597	1RB Low	6.24	13	PASS
15MHz	QPSK	132597	Full RB	6.24	13	PASS
15MHz	16QAM	132597	1RB Low	6.72	13	PASS
15MHz	16QAM	132597	Full RB	6.70	13	PASS
20MHz	QPSK	132072	1RB Low	5.64	13	PASS
20MHz	QPSK	132072	Full RB	5.90	13	PASS
20MHz	16QAM	132072	1RB Low	5.72	13	PASS
20MHz	16QAM	132072	Full RB	6.64	13	PASS
20MHz	QPSK	132322	1RB Low	5.58	13	PASS
20MHz	QPSK	132322	Full RB	5.84	13	PASS
20MHz	16QAM	132322	1RB Low	6.56	13	PASS
20MHz	16QAM	132322	Full RB	6.62	13	PASS
20MHz	QPSK	132572	1RB Low	6.02	13	PASS
20MHz	QPSK	132572	Full RB	5.98	13	PASS
20MHz	16QAM	132572	1RB Low	7.40	13	PASS
20MHz	16QAM	132572	Full RB	6.66	13	PASS

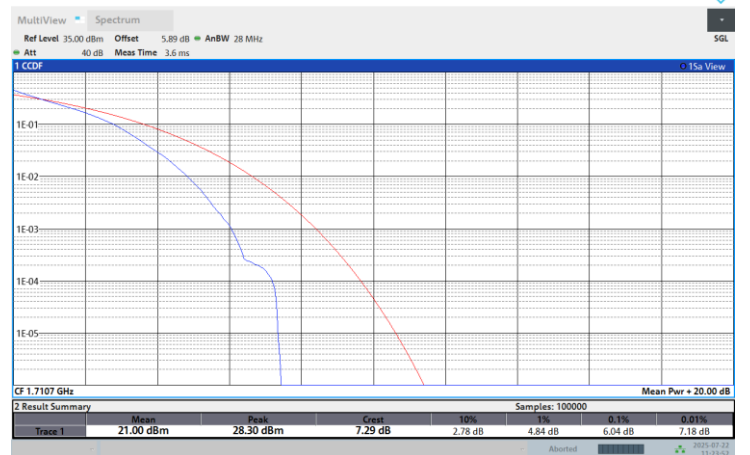


Test Graphs

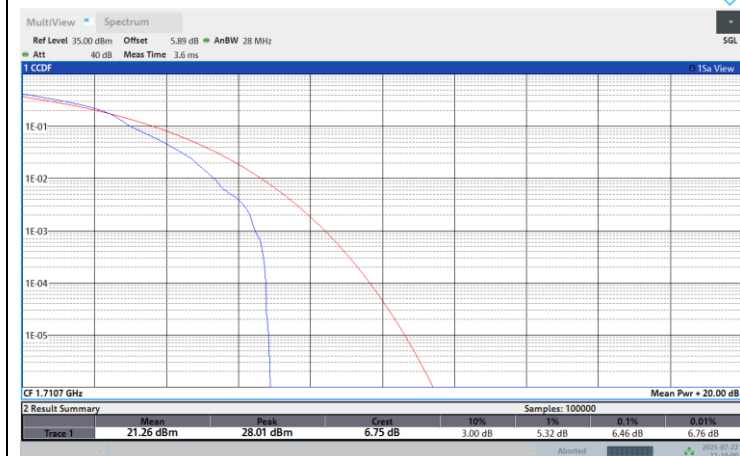
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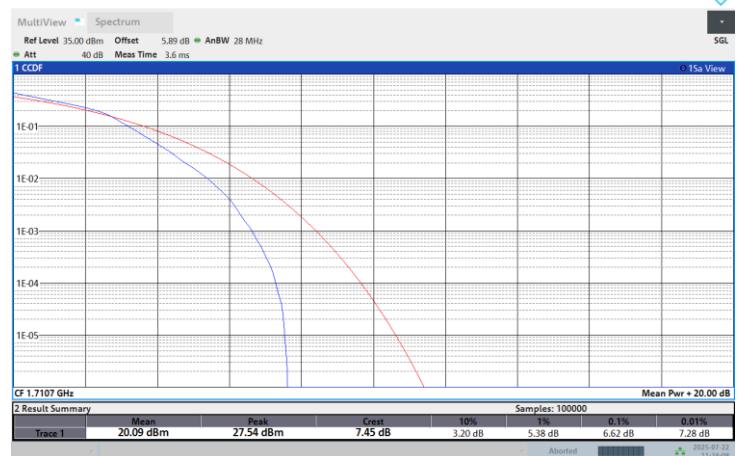
Band66-1.4M-Low-QPSK-Full RB



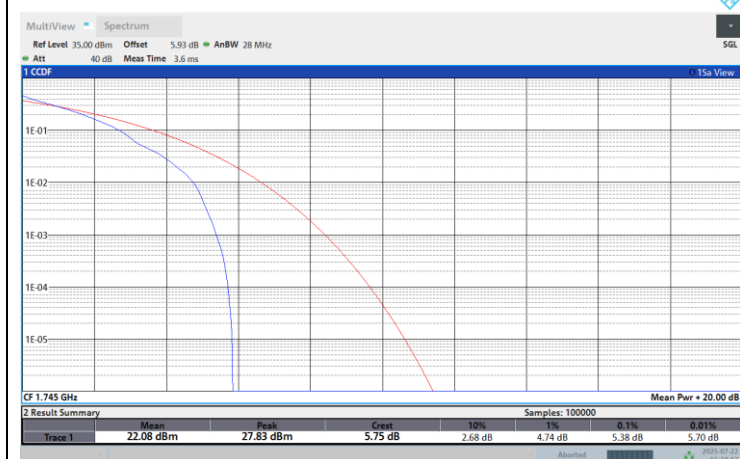
Band66-1.4M-Low-16QAM-1RB Low



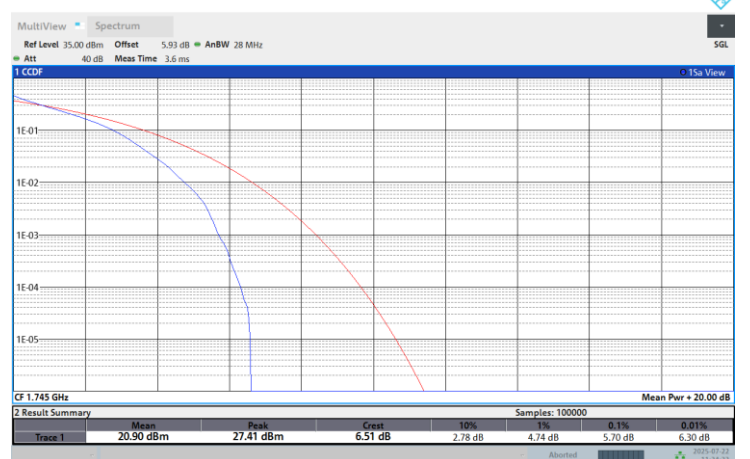
Band66-1.4M-Low-16QAM-Full RB



Band66-1.4M-Mid-QPSK-1RB Low

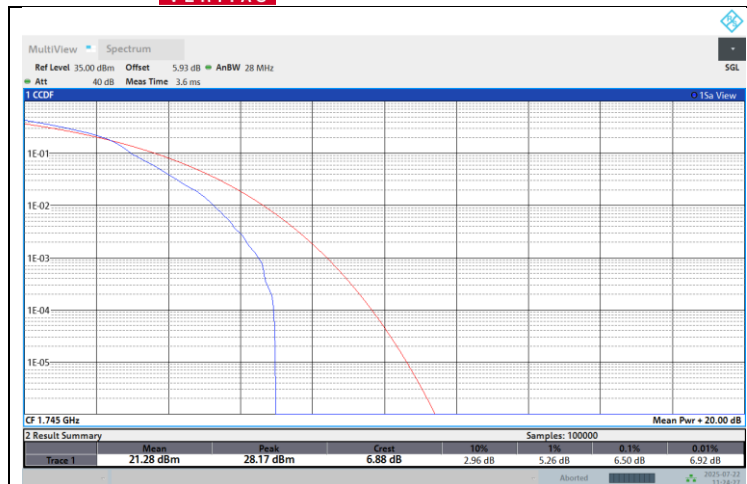


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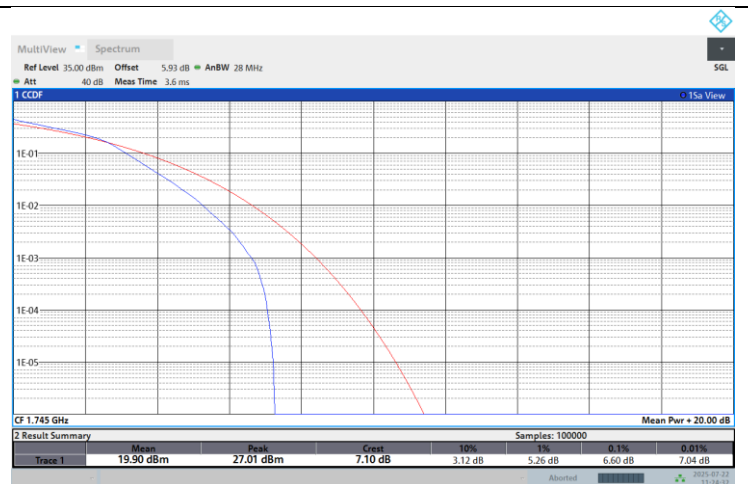


Band66-1.4M-Mid-16QAM-1RB Low

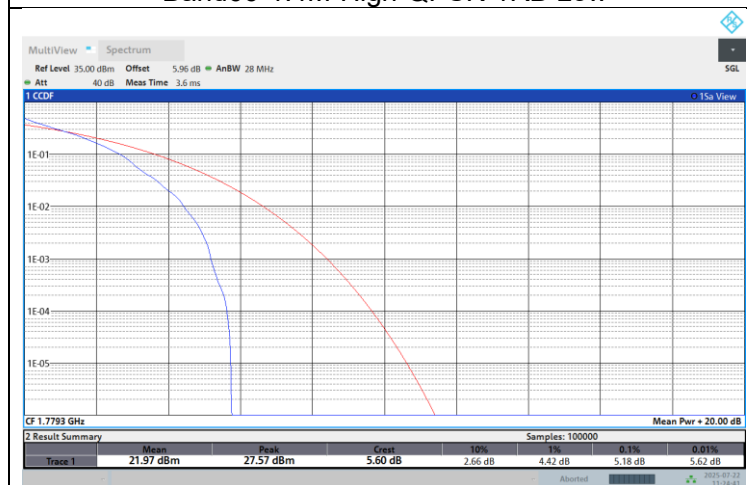
Band66-1.4M-Mid-16QAM-Full RB



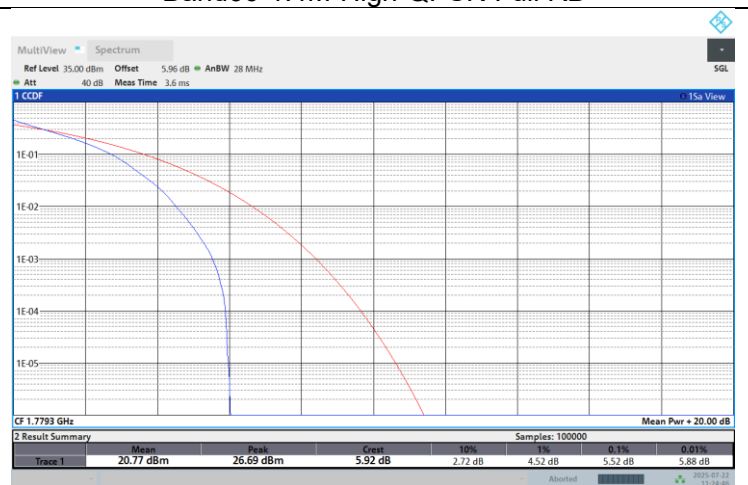
Band66-1.4M-High-QPSK-1RB Low



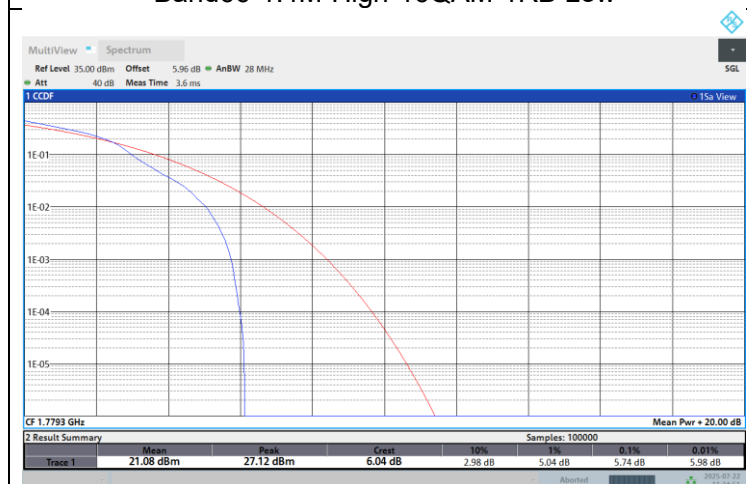
Band66-1.4M-High-QPSK-Full RB



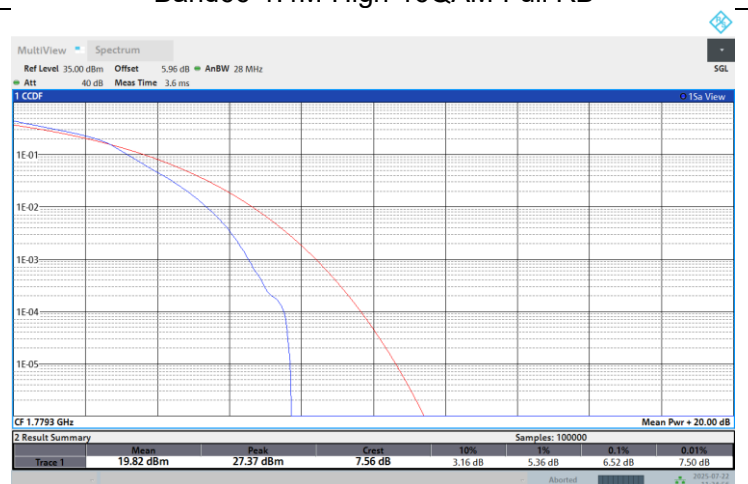
Band66-1.4M-High-16QAM-1RB Low



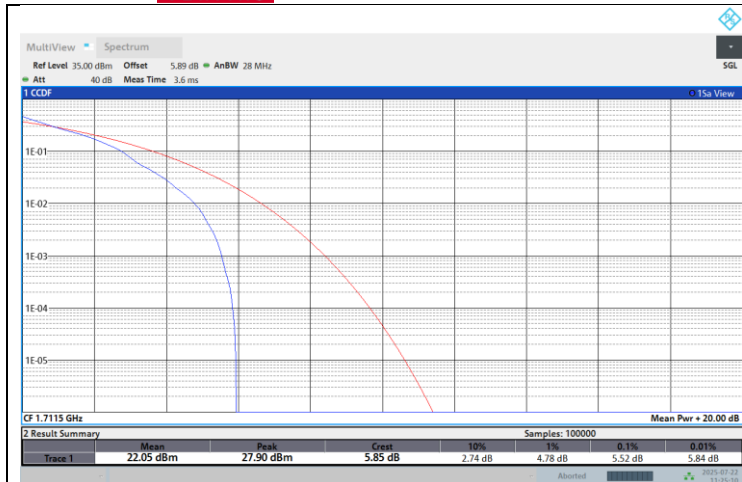
Band66-1.4M-High-16QAM-Full RB



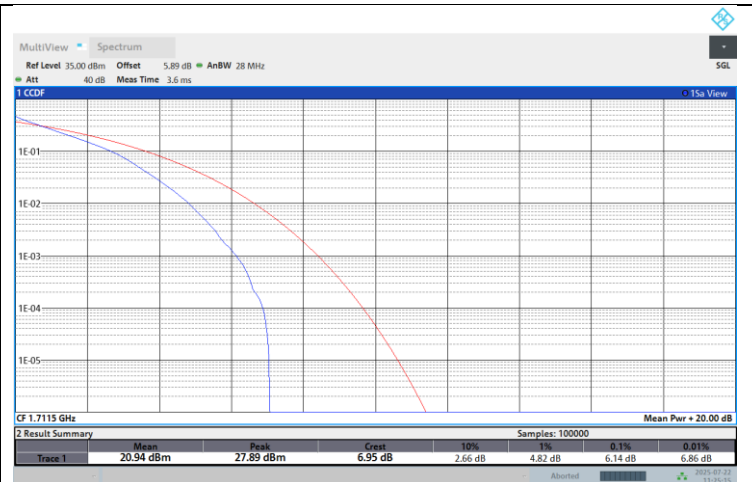
Band66-3M-Low-QPSK-1RB Low



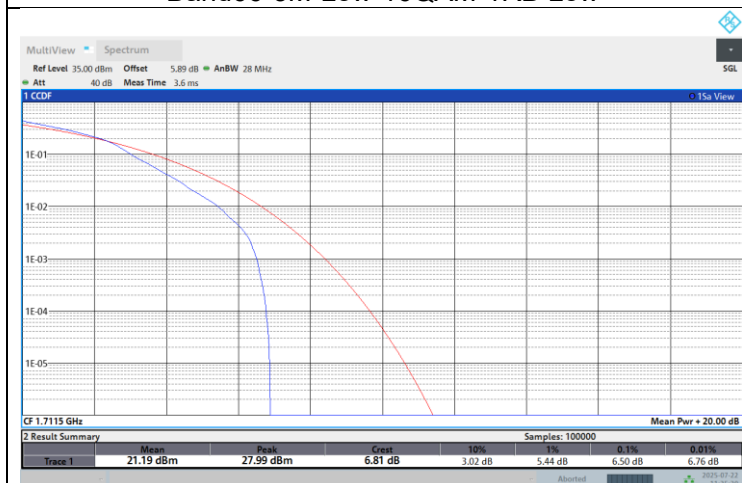
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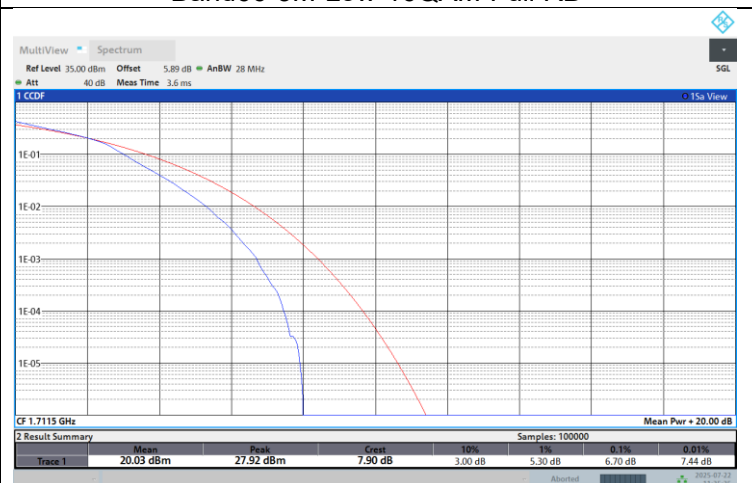
Band66-3M-Low-16QAM-1RB Low



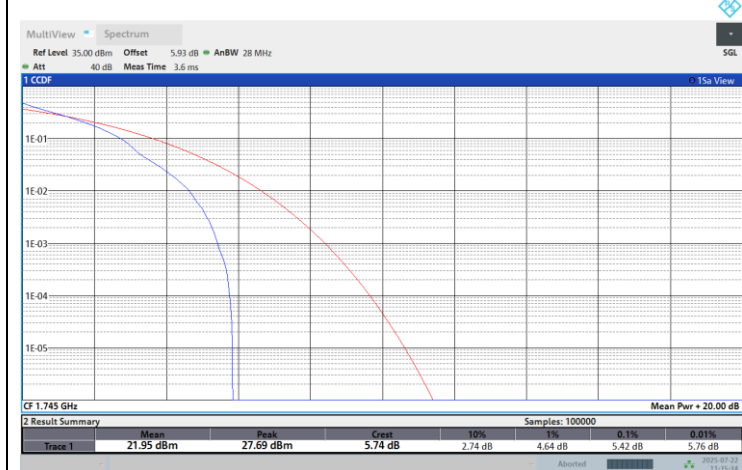
Band66-3M-Low-16QAM-Full RB



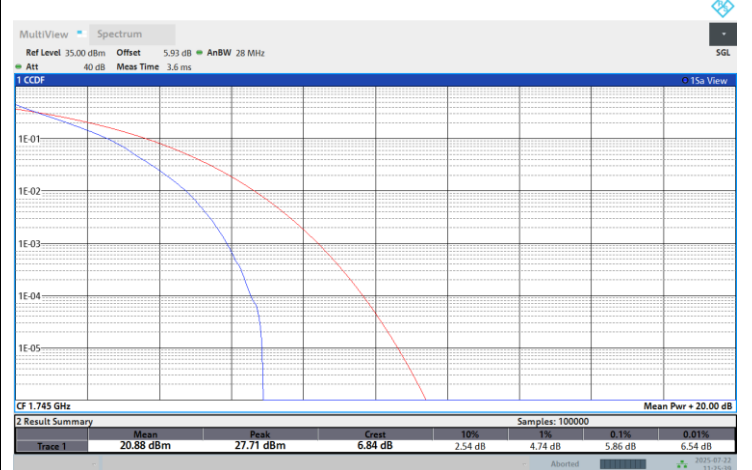
Band66-3M-Mid-QPSK-1RB Low



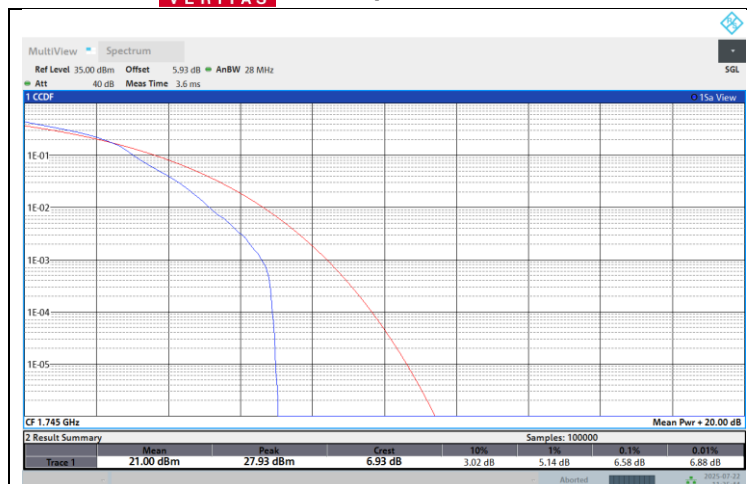
Band66-3M-Mid-QPSK-Full RB



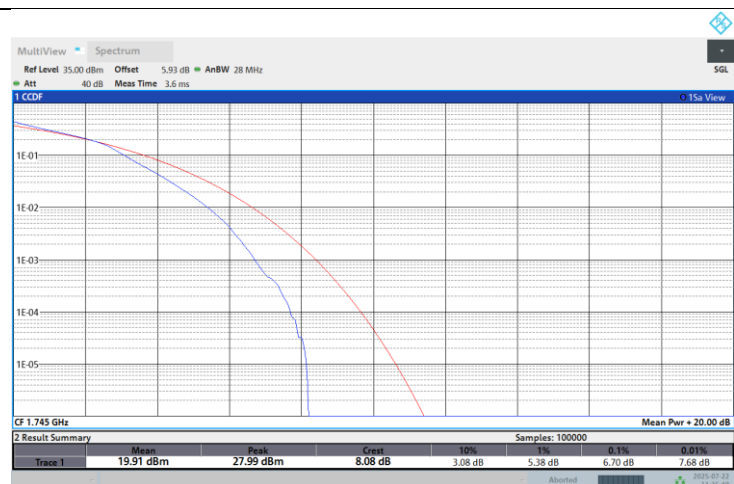
Band66-3M-Mid-16QAM-1RB Low



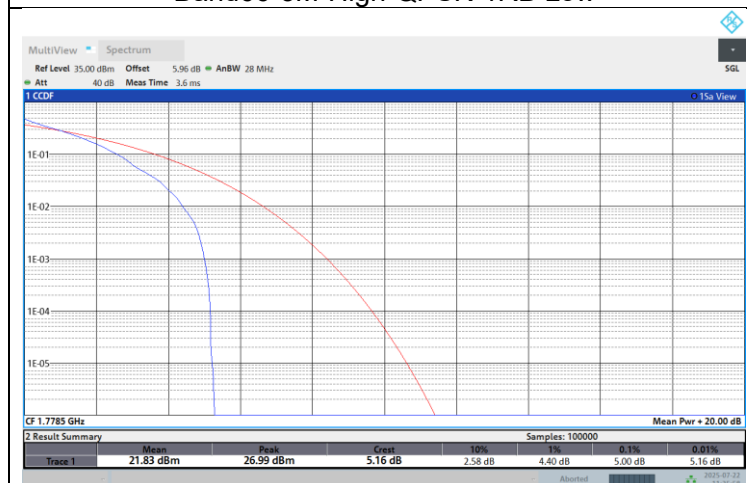
Band66-3M-Mid-16QAM-Full RB



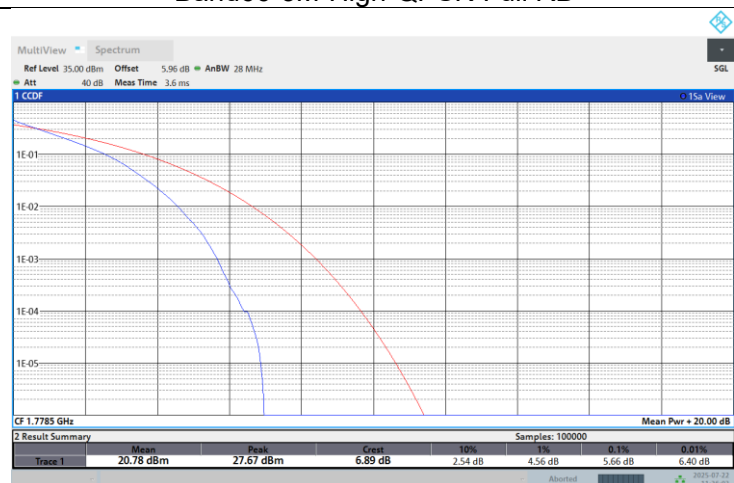
Band66-3M-High-QPSK-1RB Low



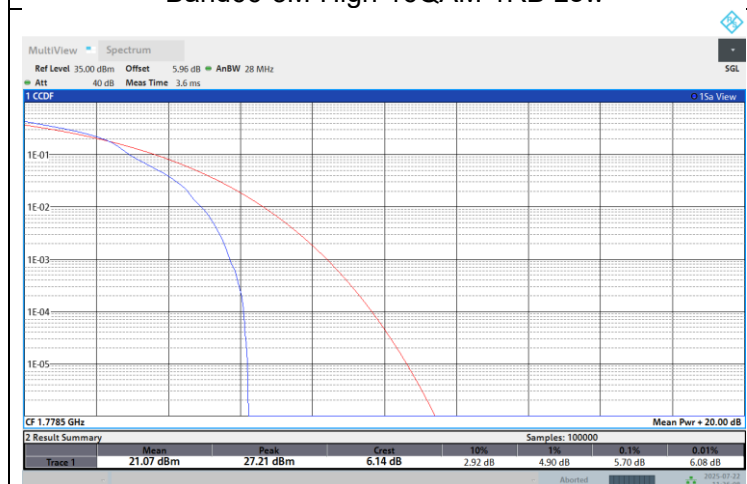
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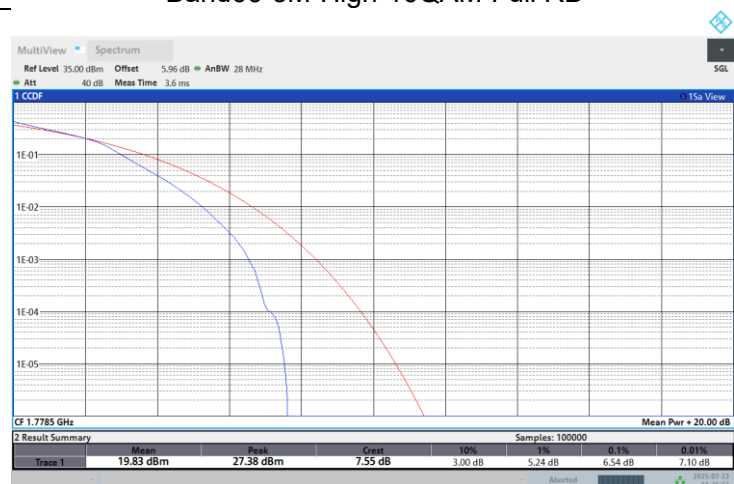
Band66-3M-High-16QAM-1RB Low



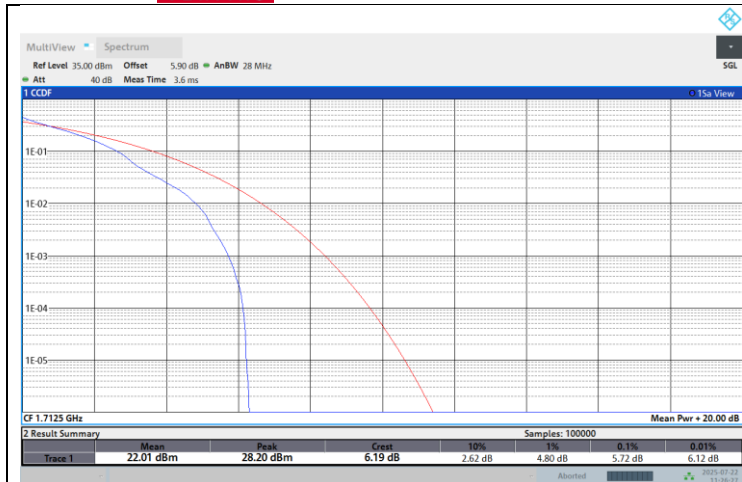
Band66-3M-High-16QAM-Full RB



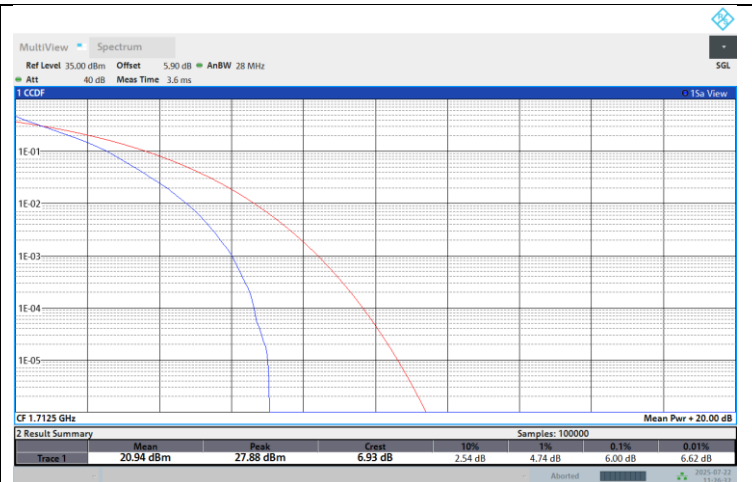
Band66-5M-Low-QPSK-1RB Low



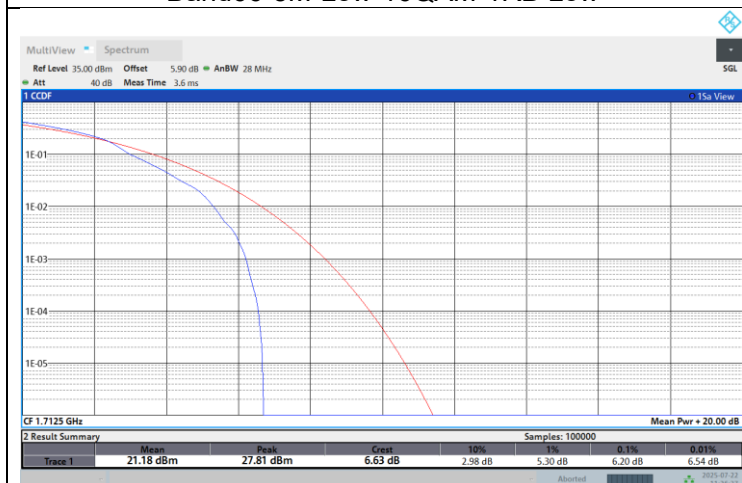
Band66-5M-Low-QPSK-Full RB



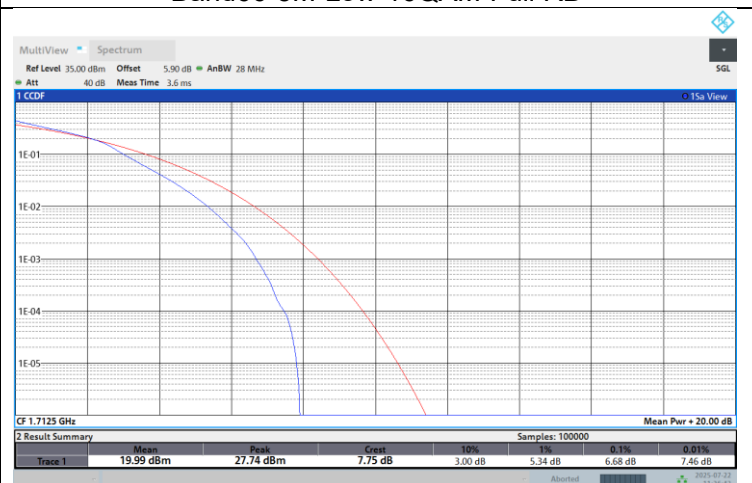
Band66-5M-Low-16QAM-1RB Low



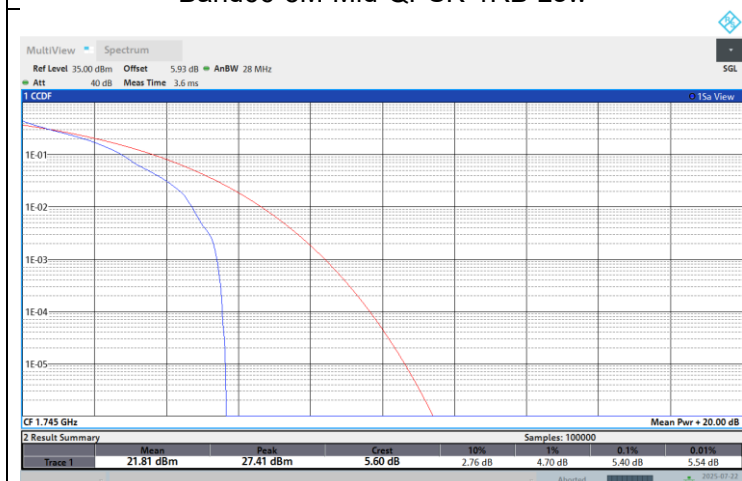
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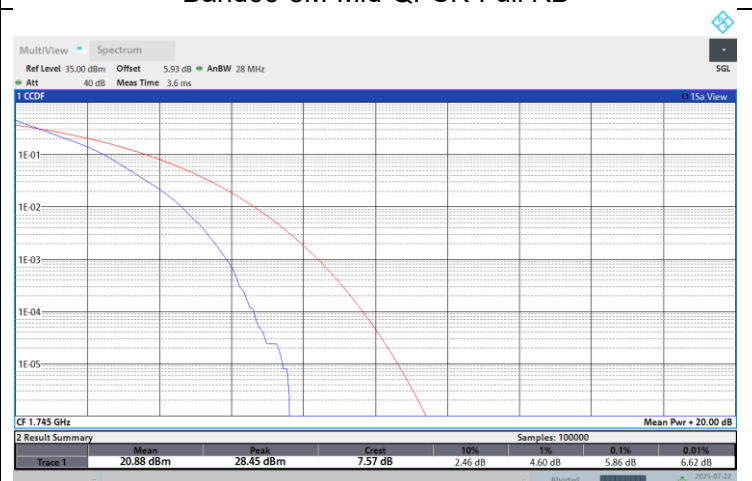
Band66-5M-Mid-QPSK-1RB Low



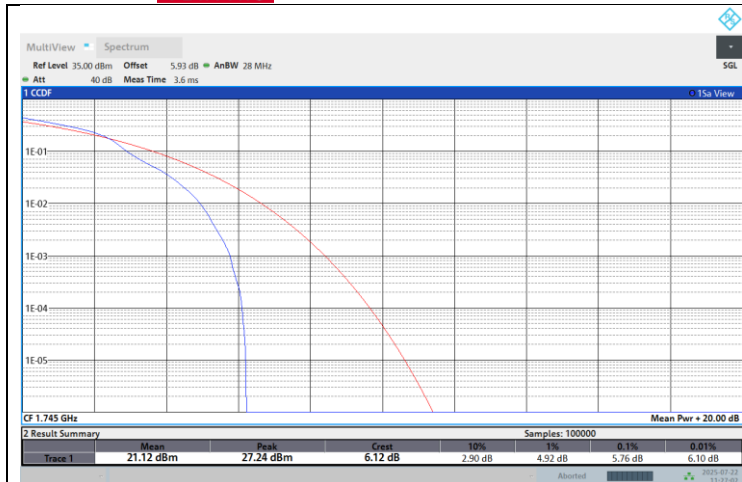
Band66-5M-Mid-QPSK-Full RB



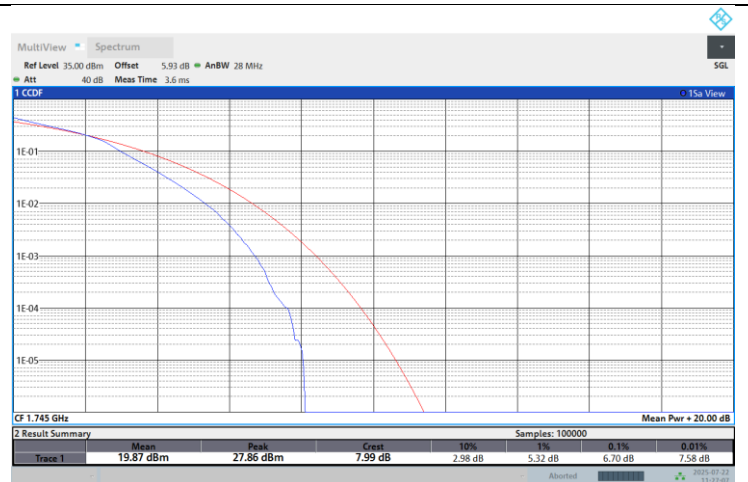
Band66-5M-Mid-16QAM-1RB Low



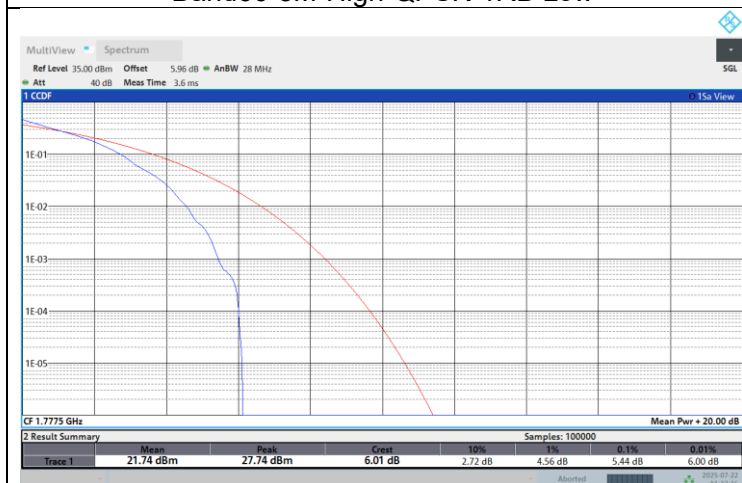
Band66-5M-Mid-16QAM-Full RB



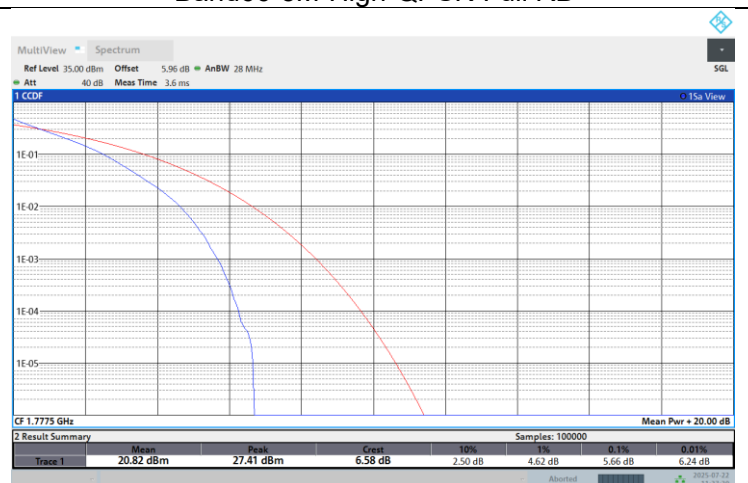
Band66-5M-High-QPSK-1RB Low



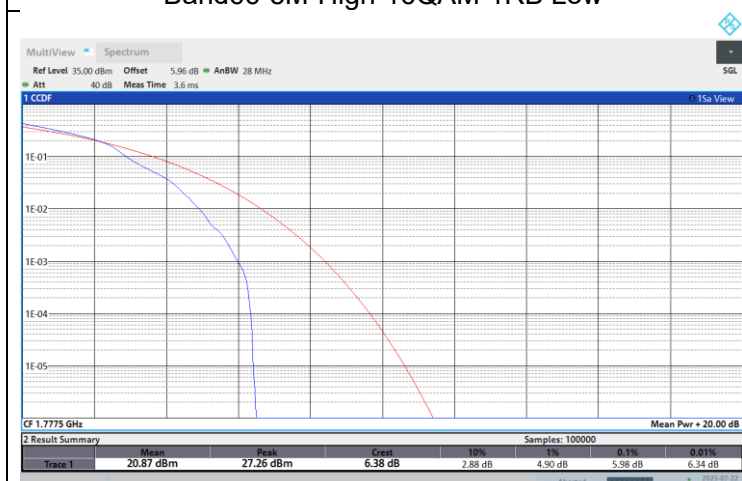
Band66-5M-High-QPSK-Full RB



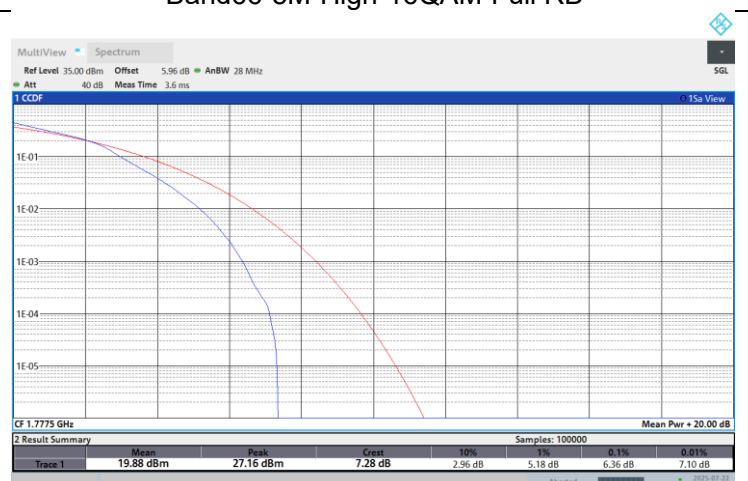
Band66-5M-High-16QAM-1RB Low



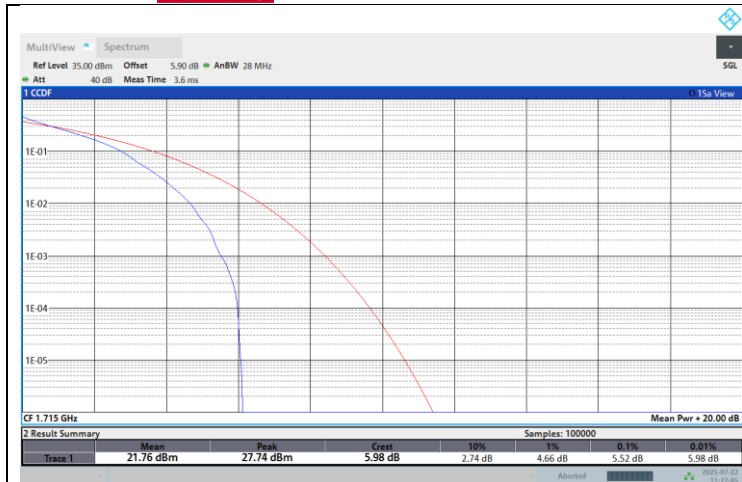
Band66-5M-High-16QAM-Full RB



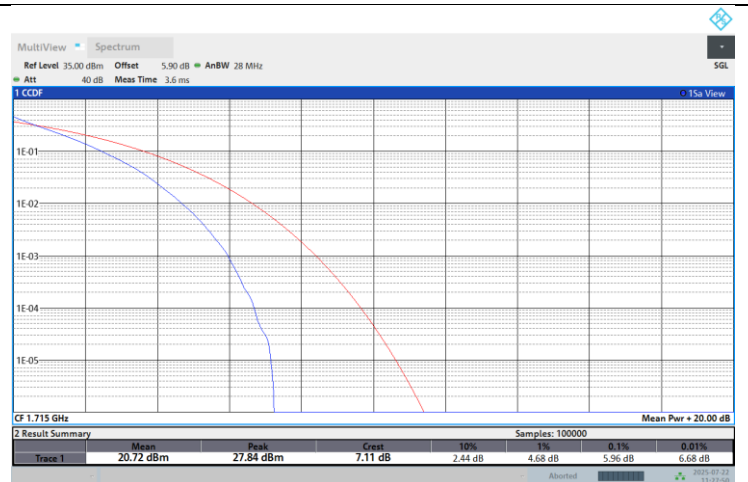
Band66-10M-Low-QPSK-1RB Low



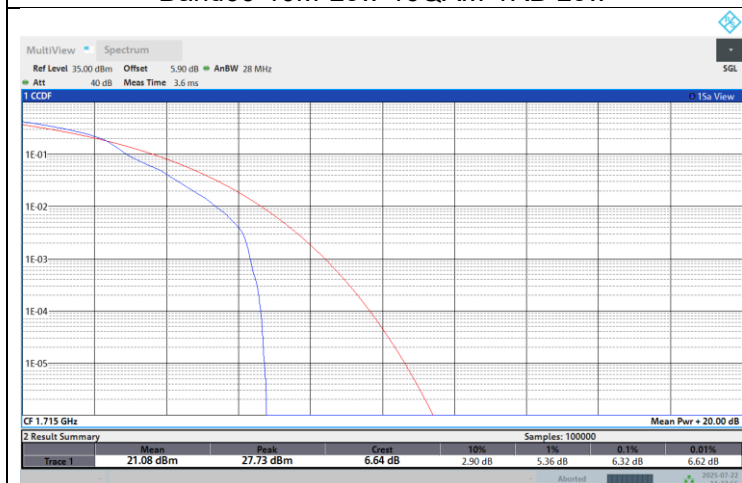
Band66-10M-Low-QPSK-Full RB



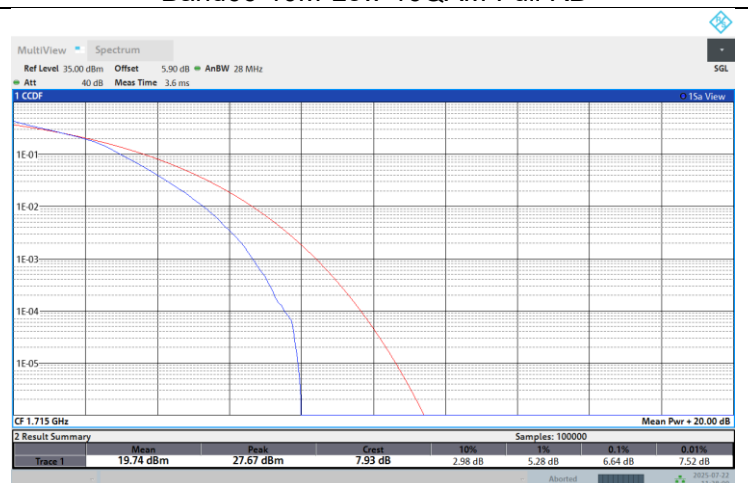
Band66-10M-Low-16QAM-1RB Low



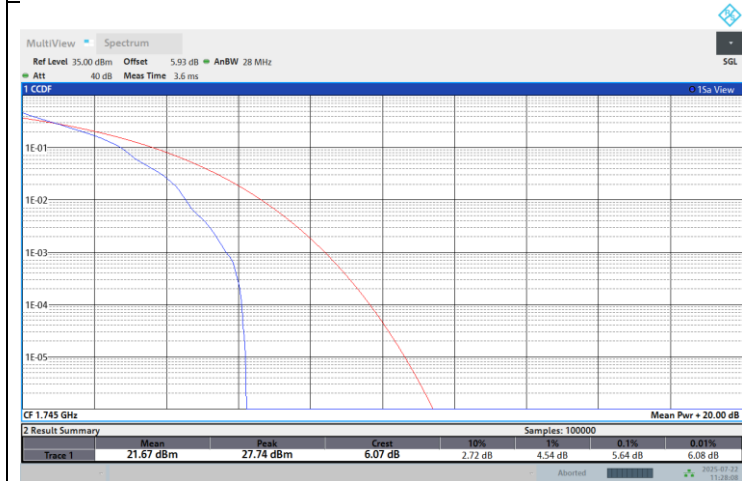
Band66-10M-Low-16QAM-Full RB



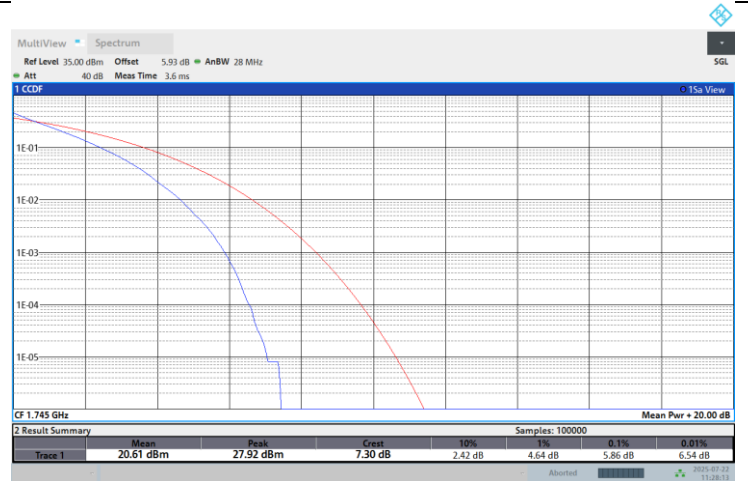
Band66-10M-Mid-QPSK-1RB Low



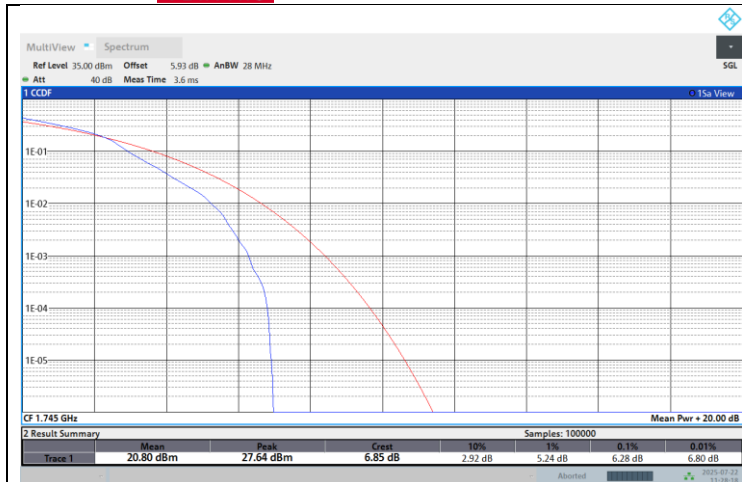
Band66-10M-Mid-QPSK-Full RB



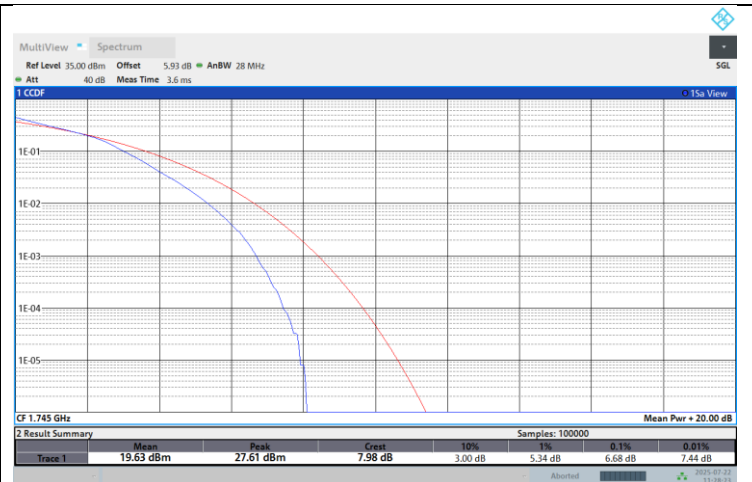
Band66-10M-Mid-16QAM-1RB Low



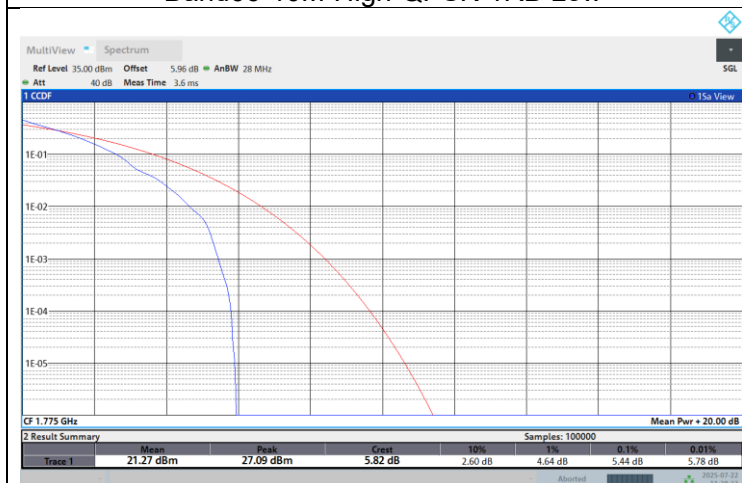
Band66-10M-Mid-16QAM-Full RB



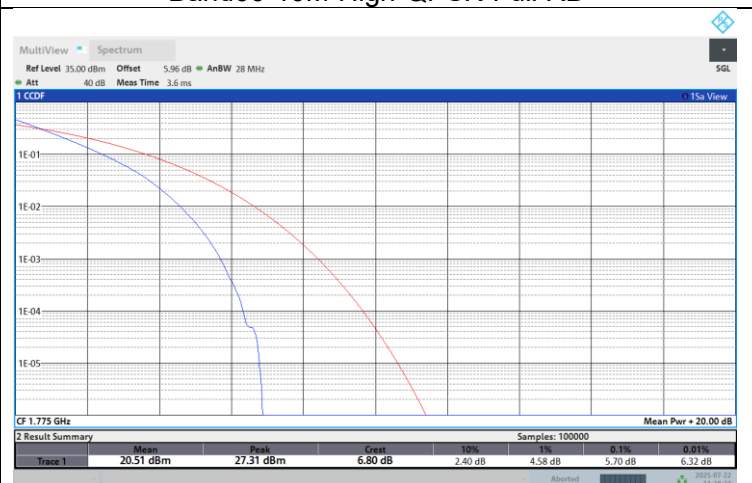
Band66-10M-High-QPSK-1RB Low



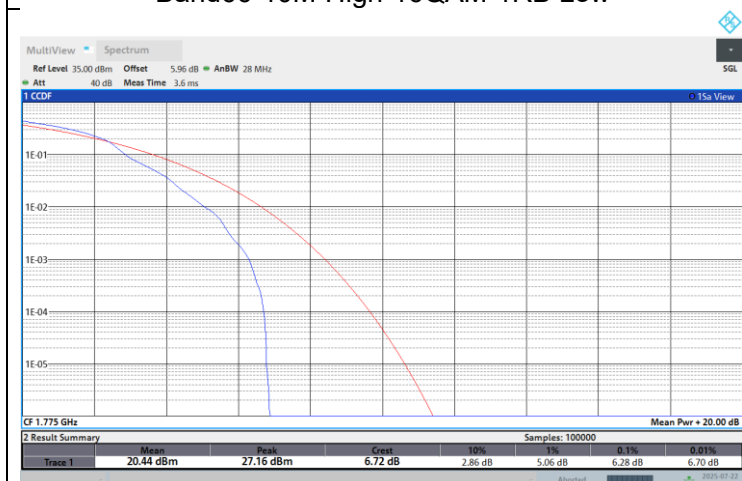
Band66-10M-High-QPSK-Full RB



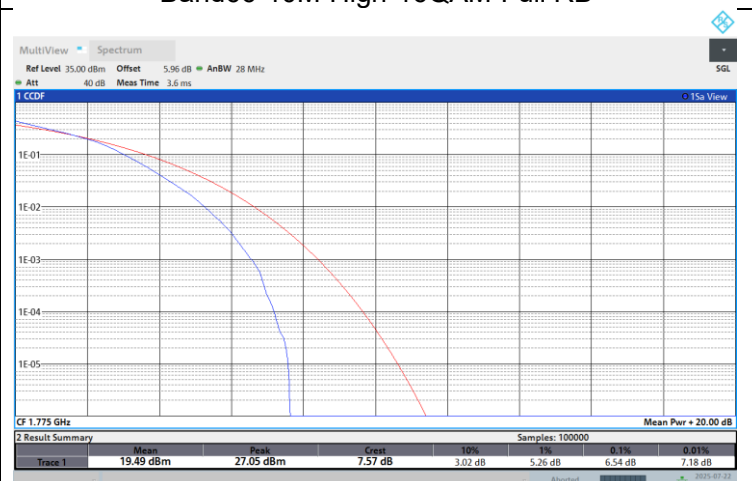
Band66-10M-High-16QAM-1RB Low



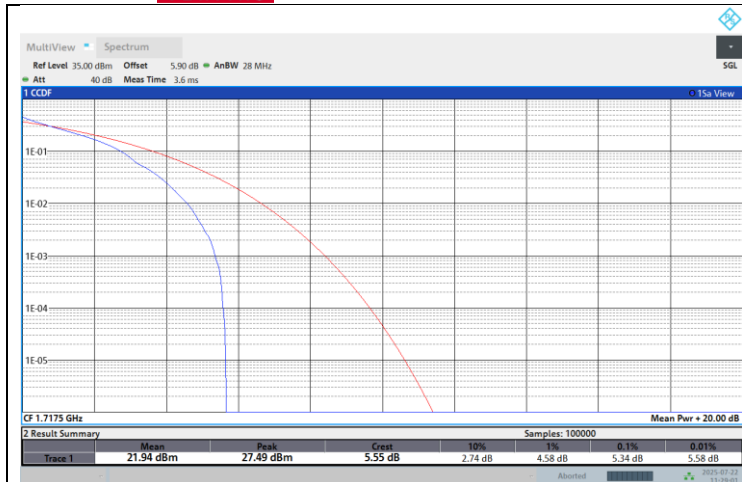
Band66-10M-High-16QAM-Full RB



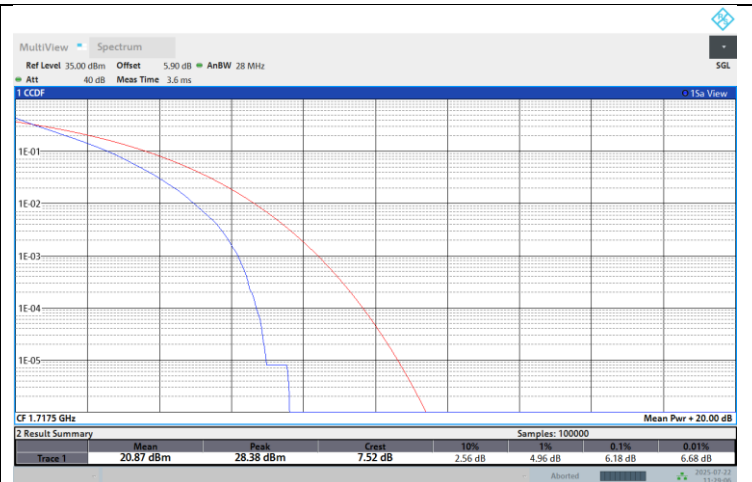
Band66-15M-Low-QPSK-1RB Low



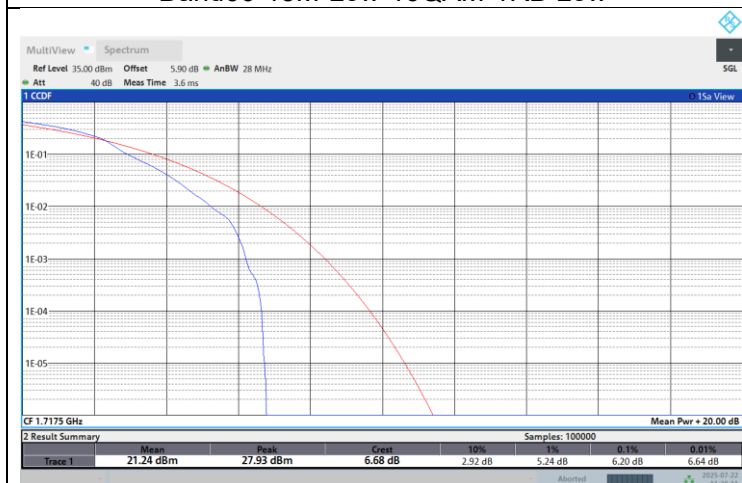
Band66-15M-Low-QPSK-Full RB



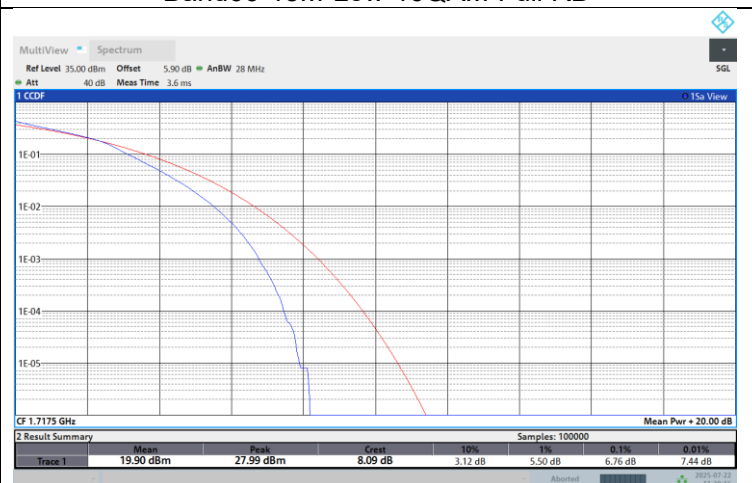
Band66-15M-Low-16QAM-1RB Low



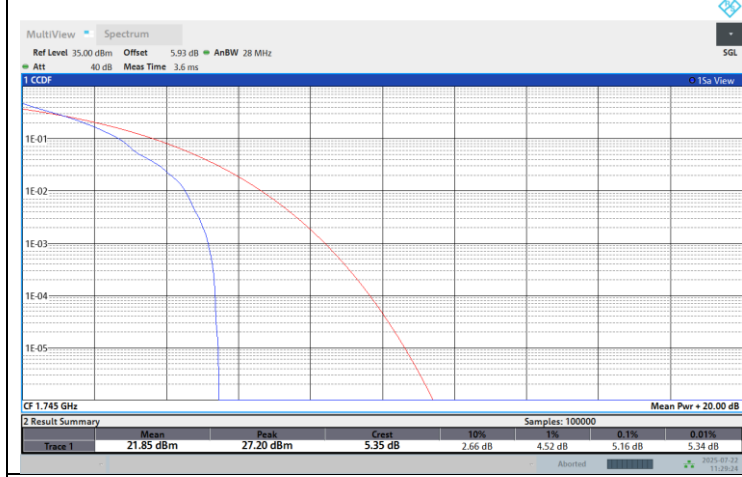
Band66-15M-Low-16QAM-Full RB



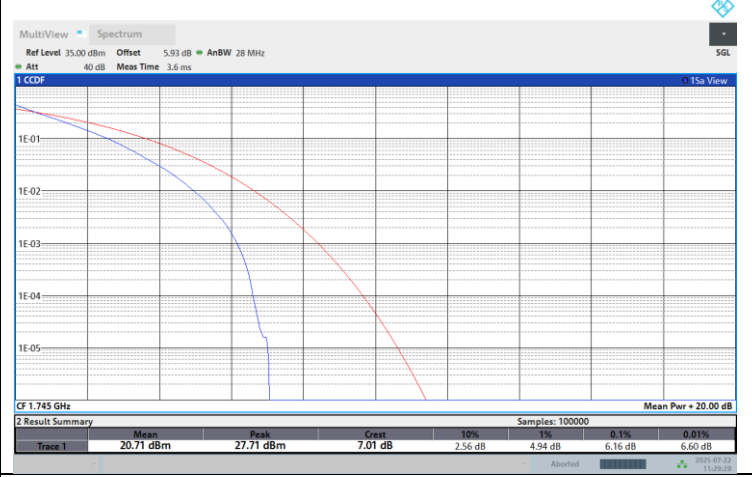
Band66-15M-Mid-QPSK-1RB Low



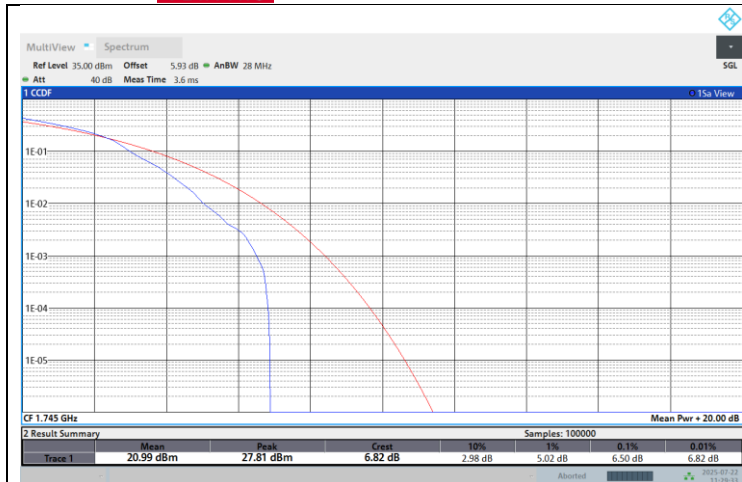
Band66-15M-Mid-QPSK-Full RB



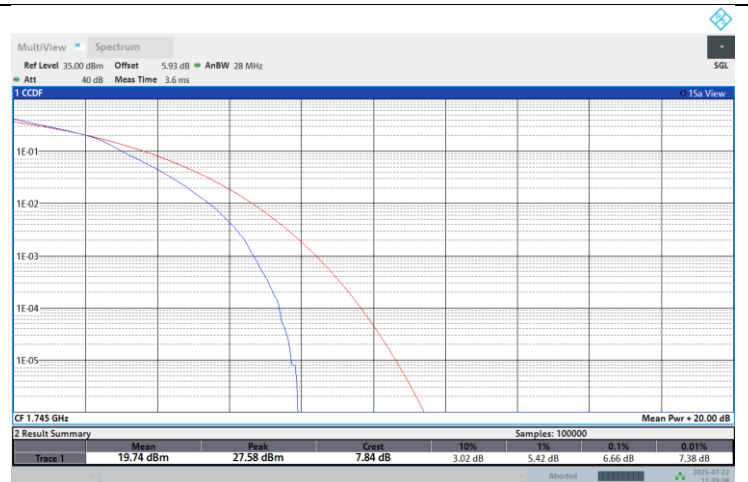
Band66-15M-Mid-16QAM-1RB Low



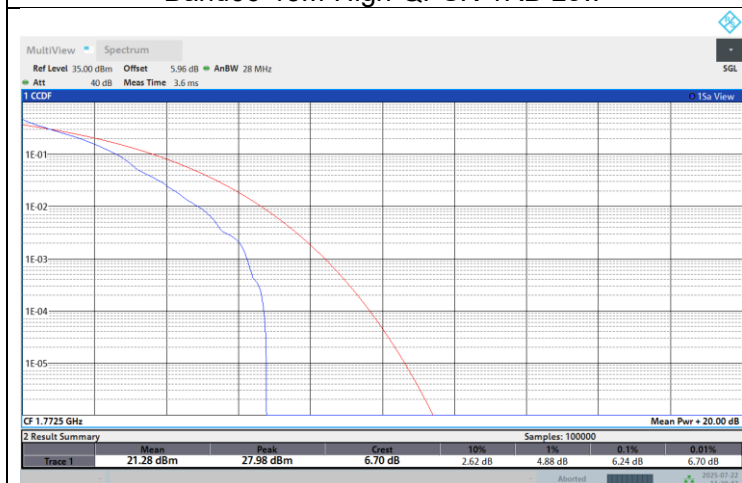
Band66-15M-Mid-16QAM-Full RB



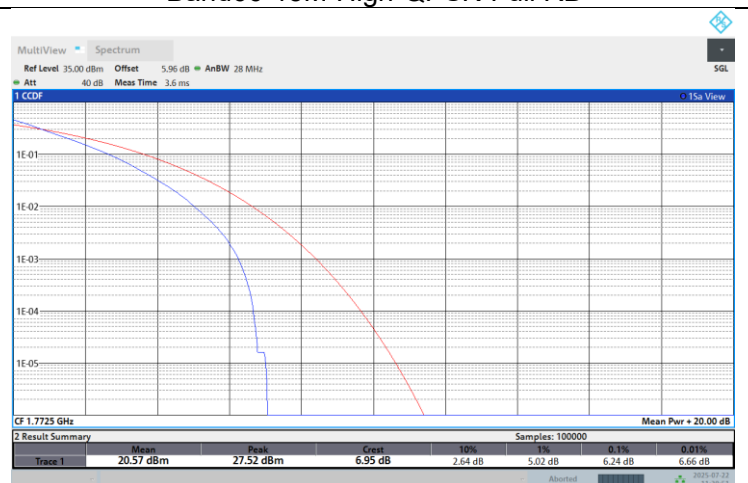
Band66-15M-High-QPSK-1RB Low



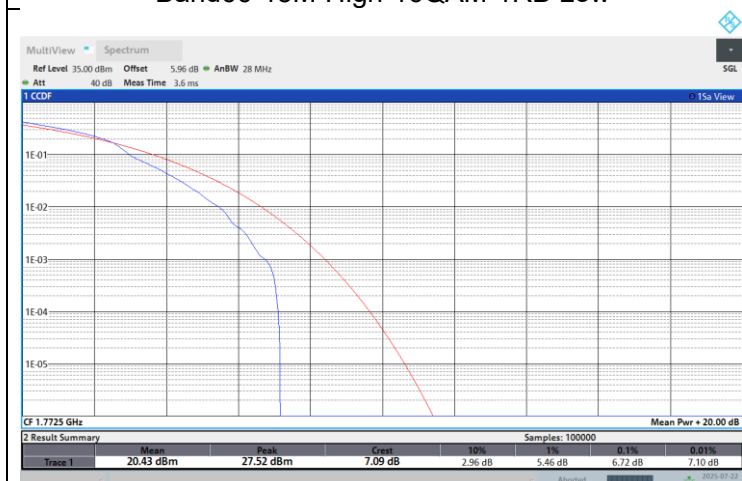
Band66-15M-High-QPSK-Full RB



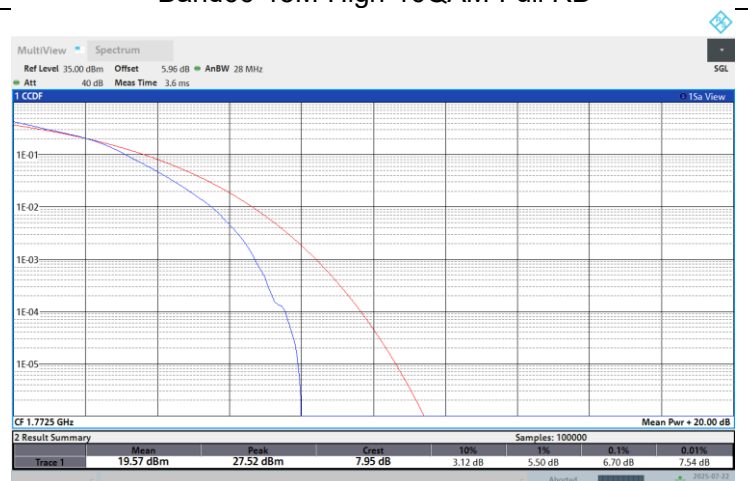
Band66-15M-High-16QAM-1RB Low



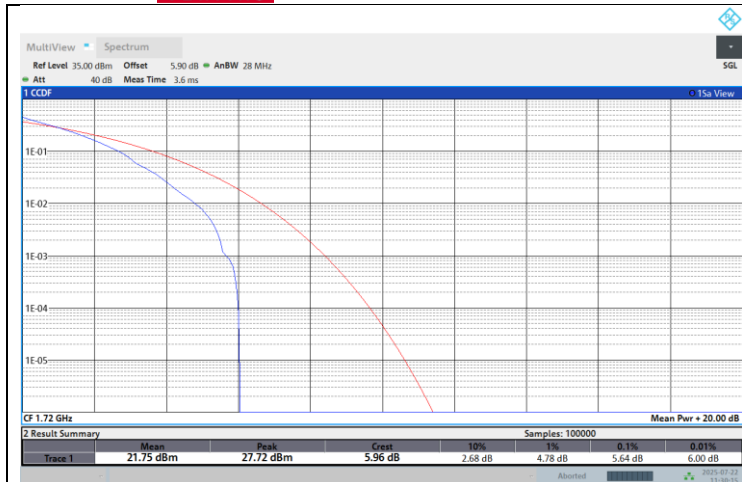
Band66-15M-High-16QAM-Full RB



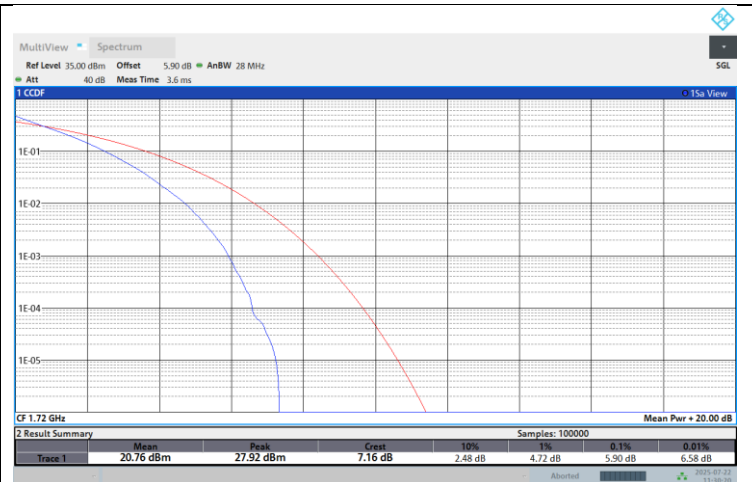
Band66-20M-Low-QPSK-1RB Low



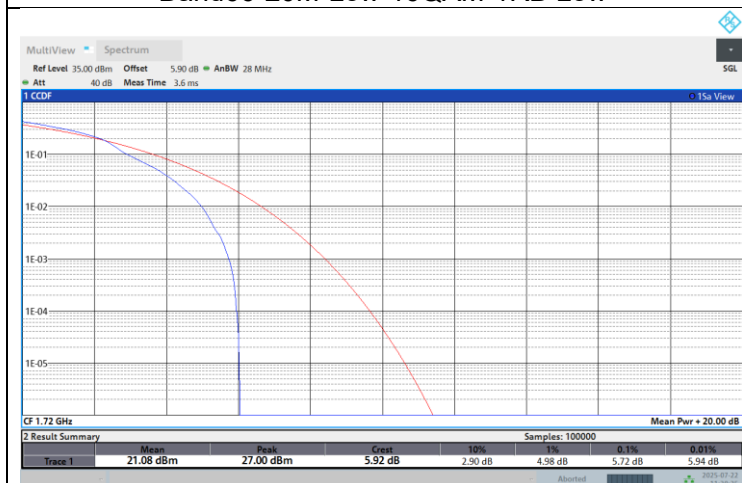
Band66-20M-Low-QPSK-Full RB



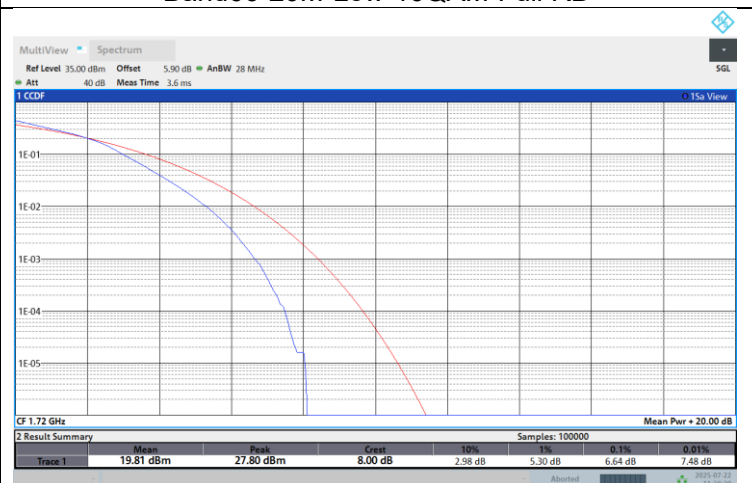
Band66-20M-Low-16QAM-1RB Low



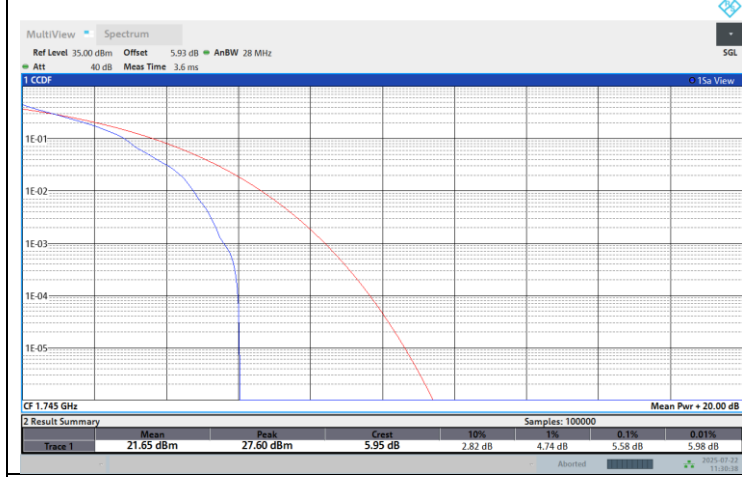
Band66-20M-Low-16QAM-Full RB



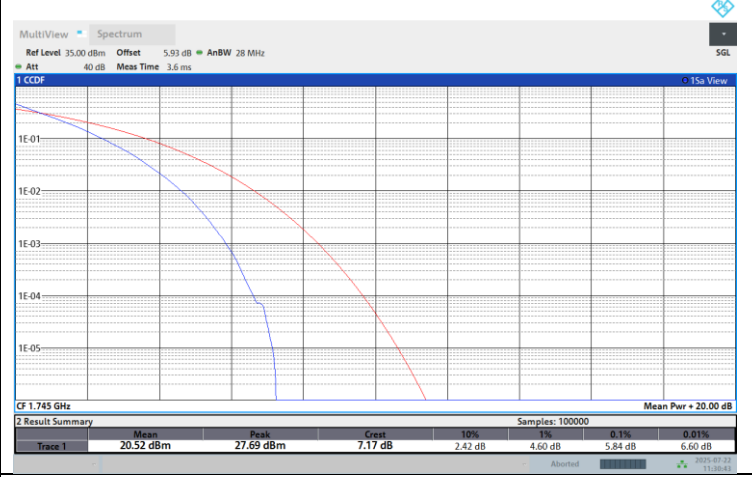
Band66-20M-Mid-QPSK-1RB Low



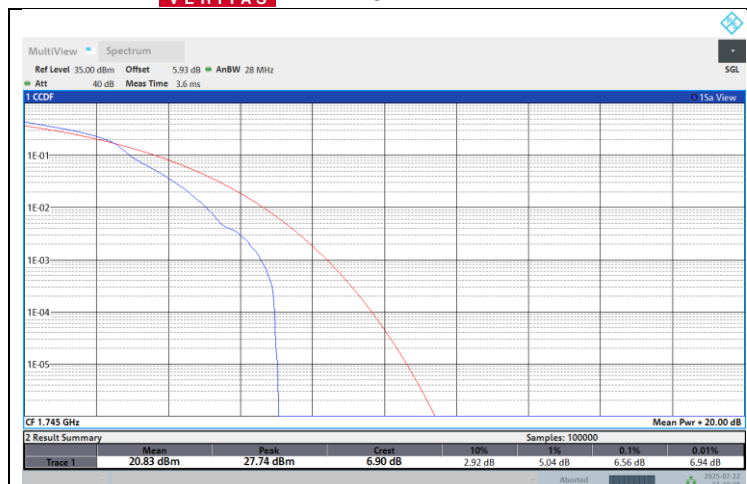
Band66-20M-Mid-QPSK-Full RB



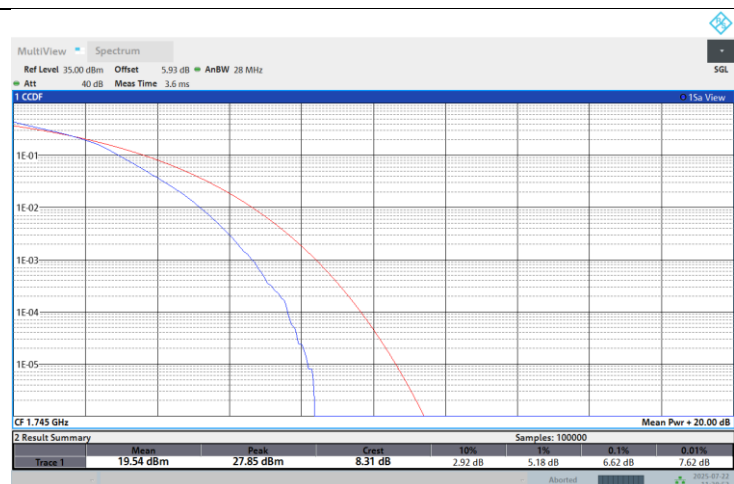
Band66-20M-Mid-16QAM-1RB Low



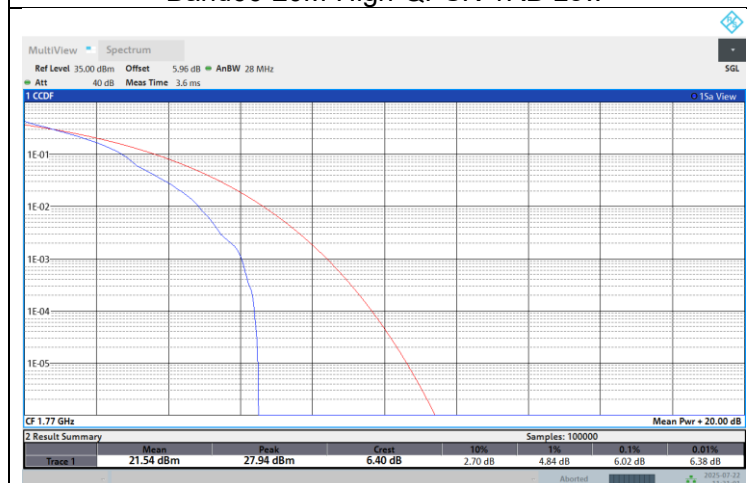
Band66-20M-Mid-16QAM-Full RB



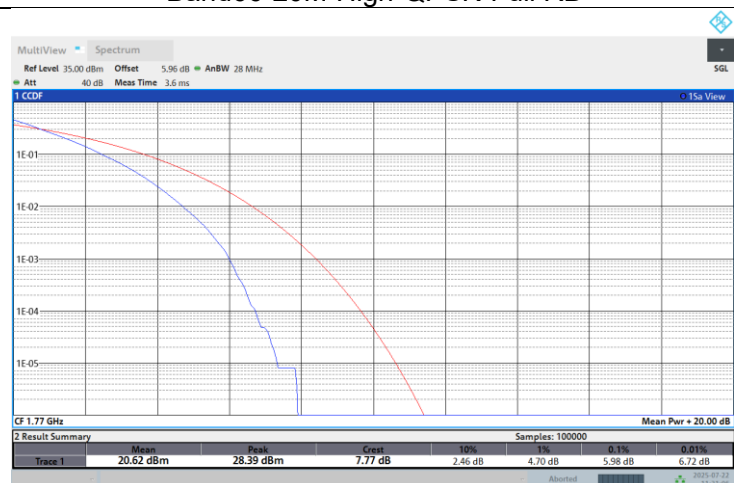
Band66-20M-High-QPSK-1RB Low



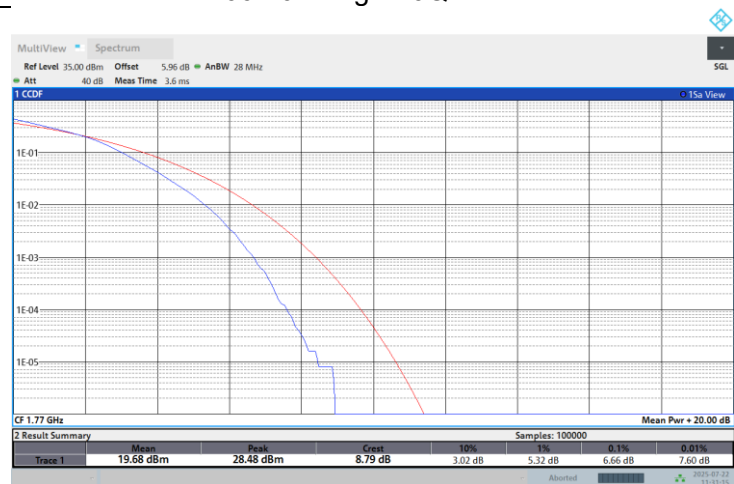
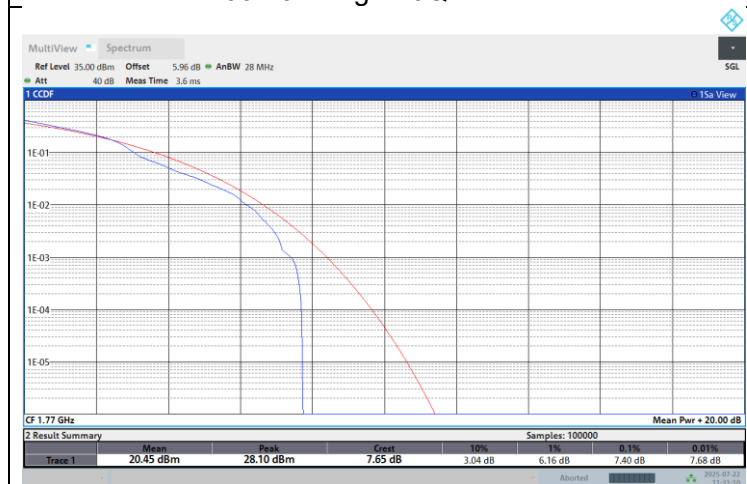
Band66-20M-High-QPSK-Full RB



Band66-20M-High-16QAM-1RB Low



Band66-20M-High-16QAM-Full RB





BUREAU VERITAS Test Report No.: PSU-QSZ2507090114RF04

26DB BANDWIDTH AND OCCUPIED BANDWIDTH Occupied Bandwidth

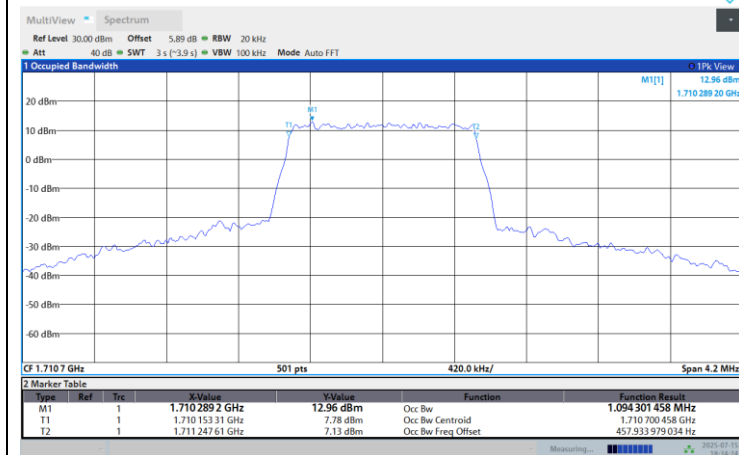
Test Result

Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth(MHz)	Verdict
1.4MHz	QPSK	131979	Full RB	1.094	PASS
1.4MHz	16QAM	131979	Full RB	1.091	PASS
1.4MHz	QPSK	132322	Full RB	1.096	PASS
1.4MHz	16QAM	132322	Full RB	1.093	PASS
1.4MHz	QPSK	132665	Full RB	1.091	PASS
1.4MHz	16QAM	132665	Full RB	1.099	PASS
3MHz	QPSK	131987	Full RB	2.697	PASS
3MHz	16QAM	131987	Full RB	2.692	PASS
3MHz	QPSK	132322	Full RB	2.698	PASS
3MHz	16QAM	132322	Full RB	2.693	PASS
3MHz	QPSK	132657	Full RB	2.695	PASS
3MHz	16QAM	132657	Full RB	2.692	PASS
5MHz	QPSK	131997	Full RB	4.499	PASS
5MHz	16QAM	131997	Full RB	4.478	PASS
5MHz	QPSK	132322	Full RB	4.490	PASS
5MHz	16QAM	132322	Full RB	4.488	PASS
5MHz	QPSK	132647	Full RB	4.475	PASS
5MHz	16QAM	132647	Full RB	4.479	PASS
10MHz	QPSK	132022	Full RB	8.970	PASS
10MHz	16QAM	132022	Full RB	8.951	PASS
10MHz	QPSK	132322	Full RB	8.946	PASS
10MHz	16QAM	132322	Full RB	8.959	PASS
10MHz	QPSK	132622	Full RB	8.955	PASS
10MHz	16QAM	132622	Full RB	8.943	PASS
15MHz	QPSK	132047	Full RB	13.483	PASS
15MHz	16QAM	132047	Full RB	13.472	PASS
15MHz	QPSK	132322	Full RB	13.427	PASS
15MHz	16QAM	132322	Full RB	13.471	PASS
15MHz	QPSK	132597	Full RB	13.487	PASS
15MHz	16QAM	132597	Full RB	13.483	PASS
20MHz	QPSK	132072	Full RB	17.917	PASS
20MHz	16QAM	132072	Full RB	17.938	PASS
20MHz	QPSK	132322	Full RB	17.872	PASS
20MHz	16QAM	132322	Full RB	17.907	PASS
20MHz	QPSK	132572	Full RB	17.981	PASS
20MHz	16QAM	132572	Full RB	17.921	PASS

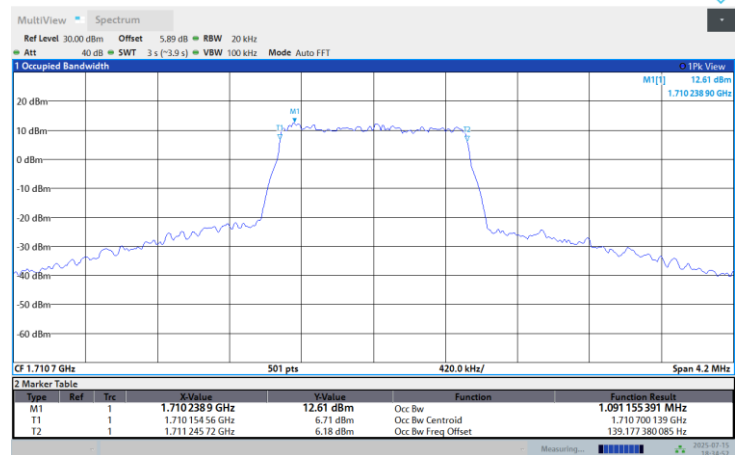


Test Graphs

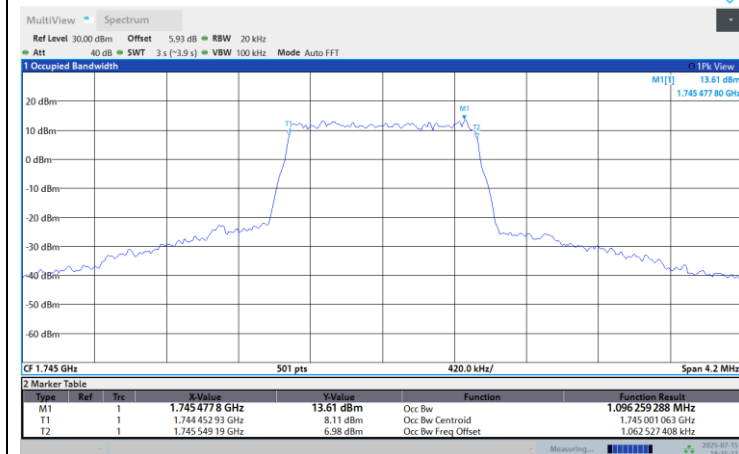
Band66-1.4M-Low-QPSK-Full RB



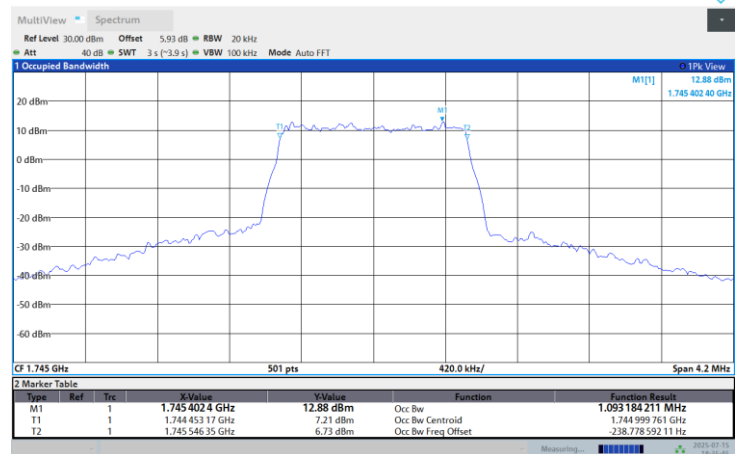
Band66-1.4M-Low-16QAM-Full RB



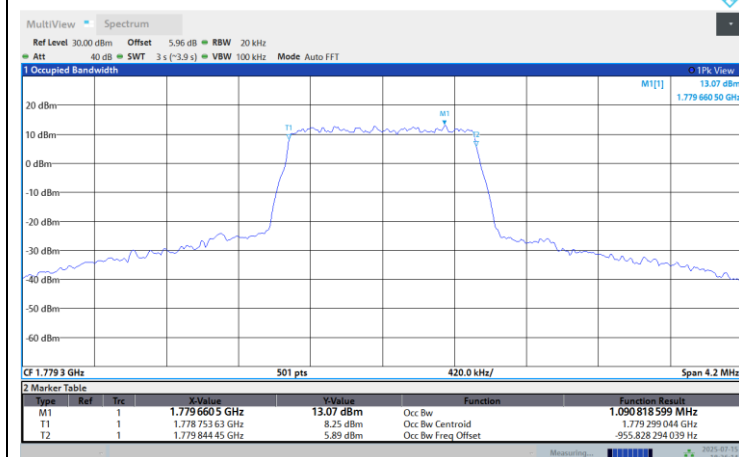
Band66-1.4M-Mid-QPSK-Full RB



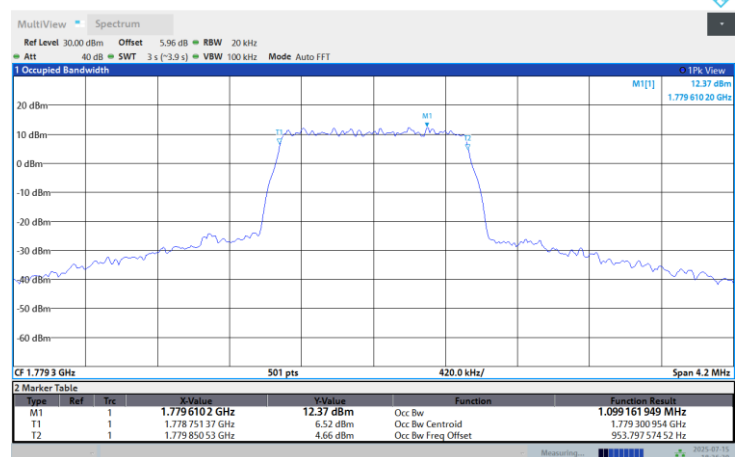
Band66-1.4M-Mid-16QAM-Full RB



Band66-1.4M-High-QPSK-Full RB

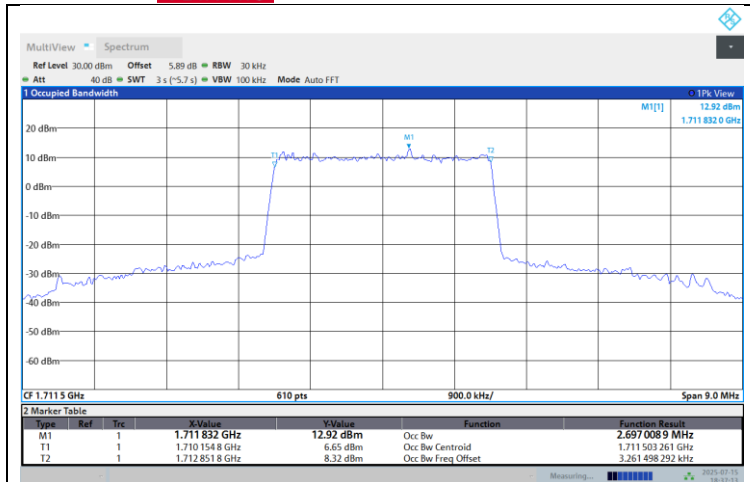


Band66-1.4M-High-16QAM-Full RB

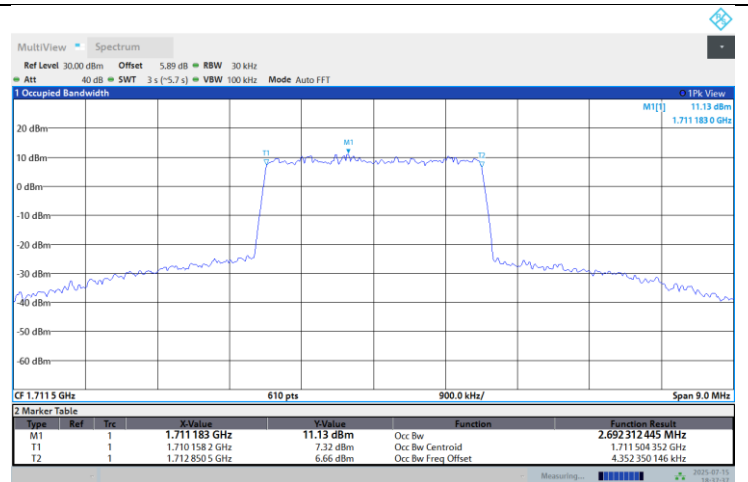


Band66-3M-Low-QPSK-Full RB

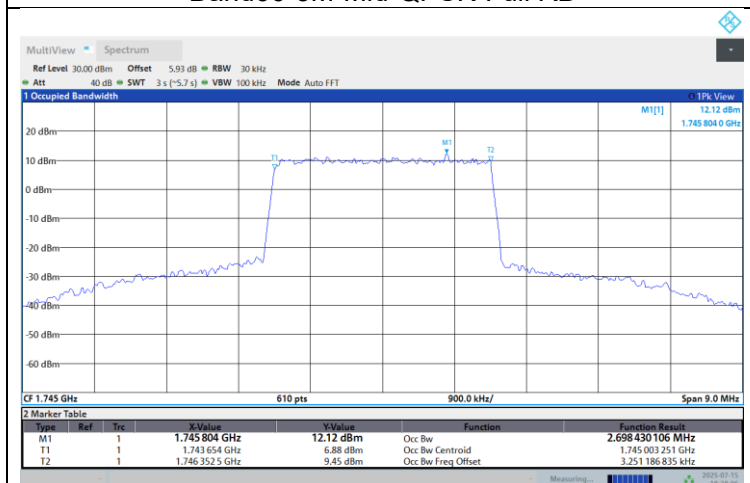
Band66-3M-Low-16QAM-Full RB



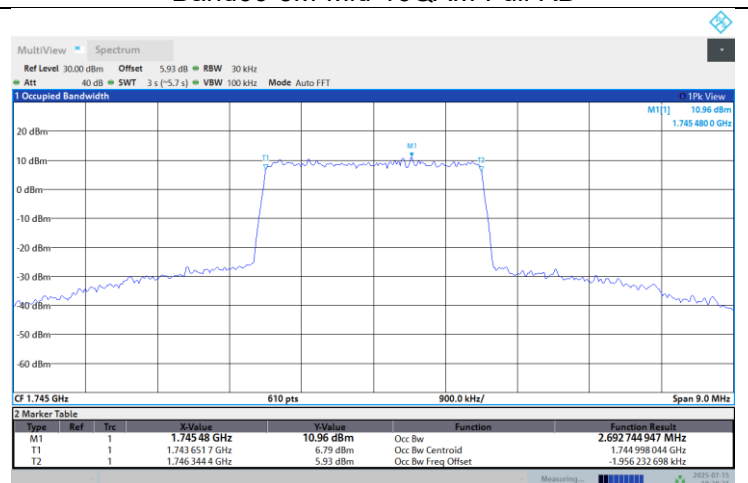
Band66-3M-Mid-QPSK-Full RB



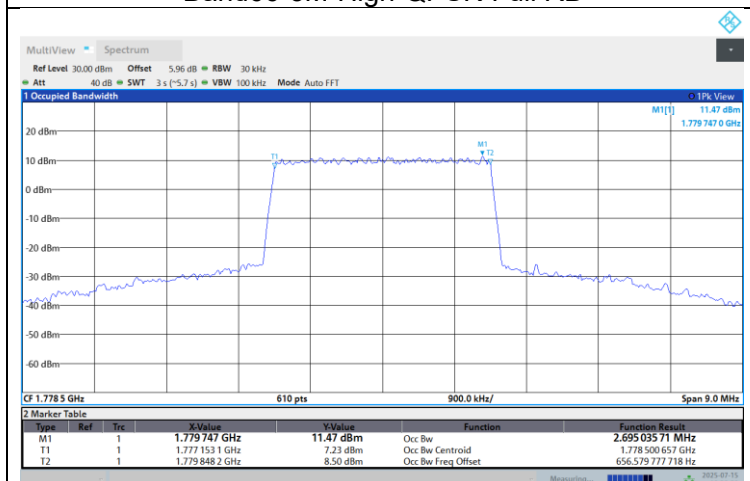
Band66-3M-Mid-16QAM-Full RB



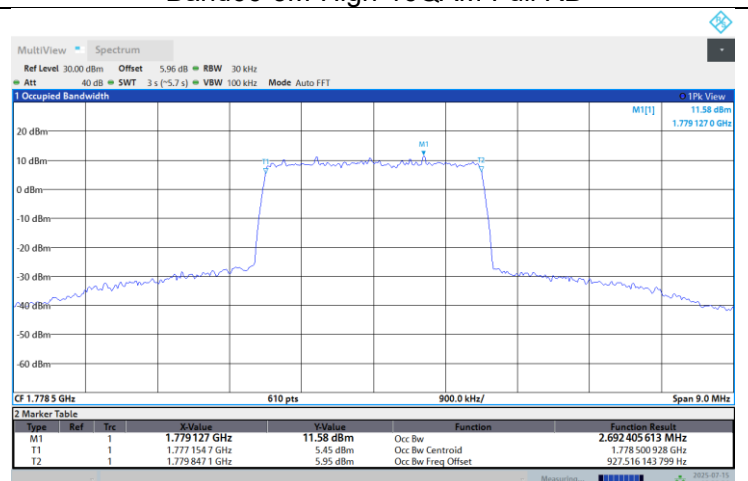
Band66-3M-High-QPSK-Full RB



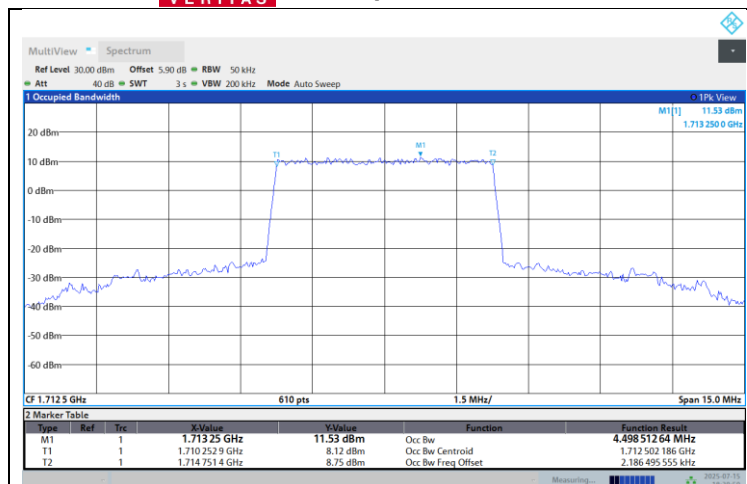
Band66-3M-High-16QAM-Full RB



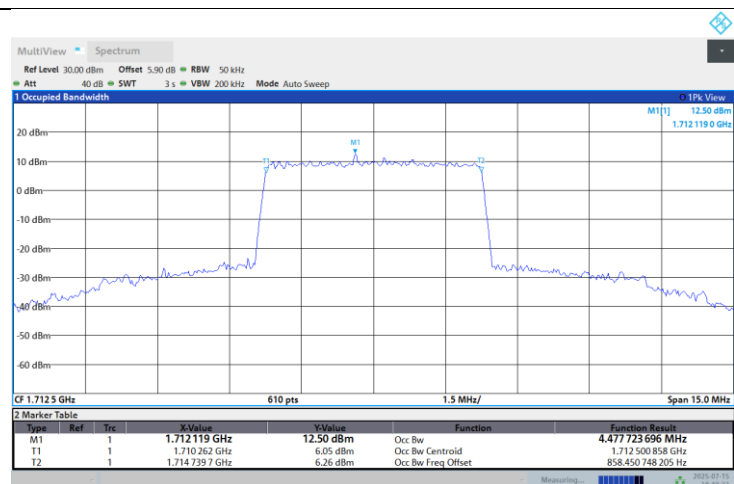
Band66-5M-Low-QPSK-Full RB



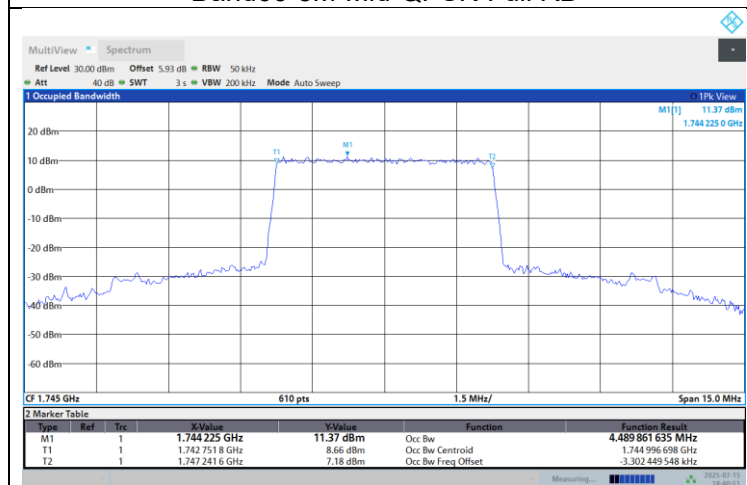
Band66-5M-Low-16QAM-Full RB



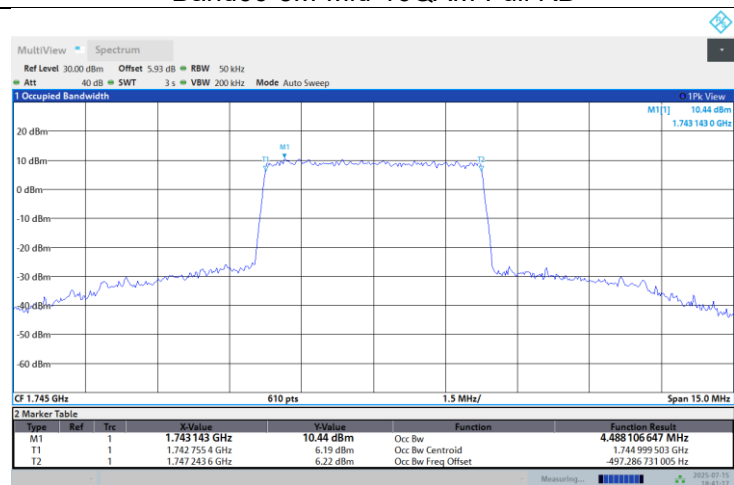
Band66-5M-Mid-QPSK-Full RB



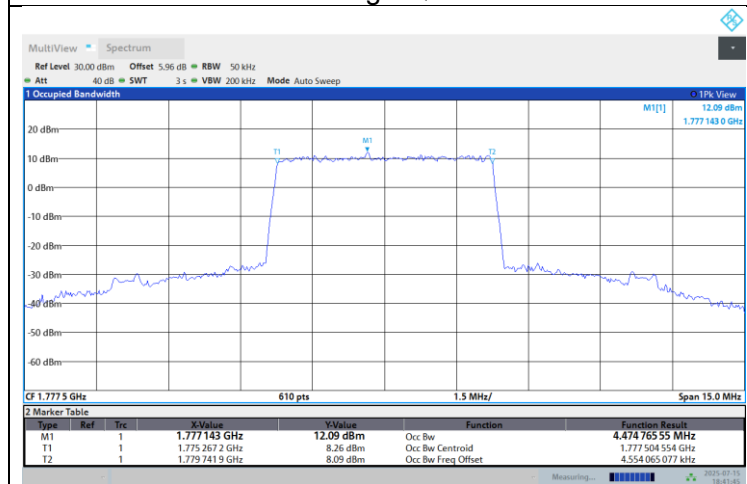
Band66-5M-Mid-16QAM-Full RB



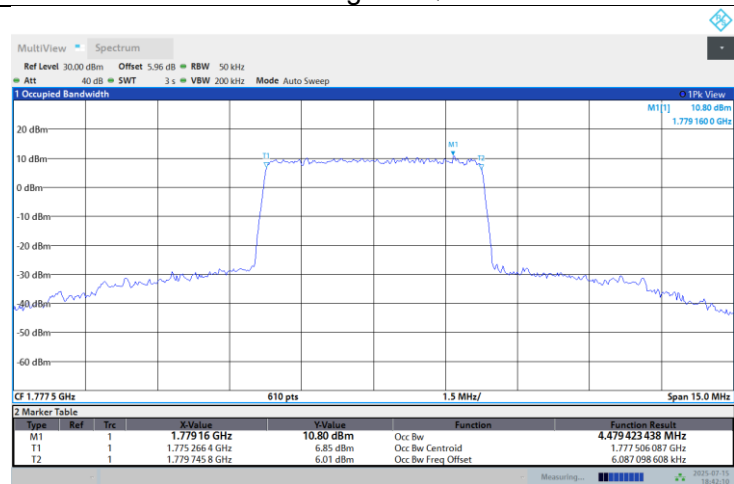
Band66-5M-High-QPSK-Full RB



Band66-5M-High-16QAM-Full RB



Band66-10M-Low-QPSK-Full RB



Band66-10M-Low-16QAM-Full RB