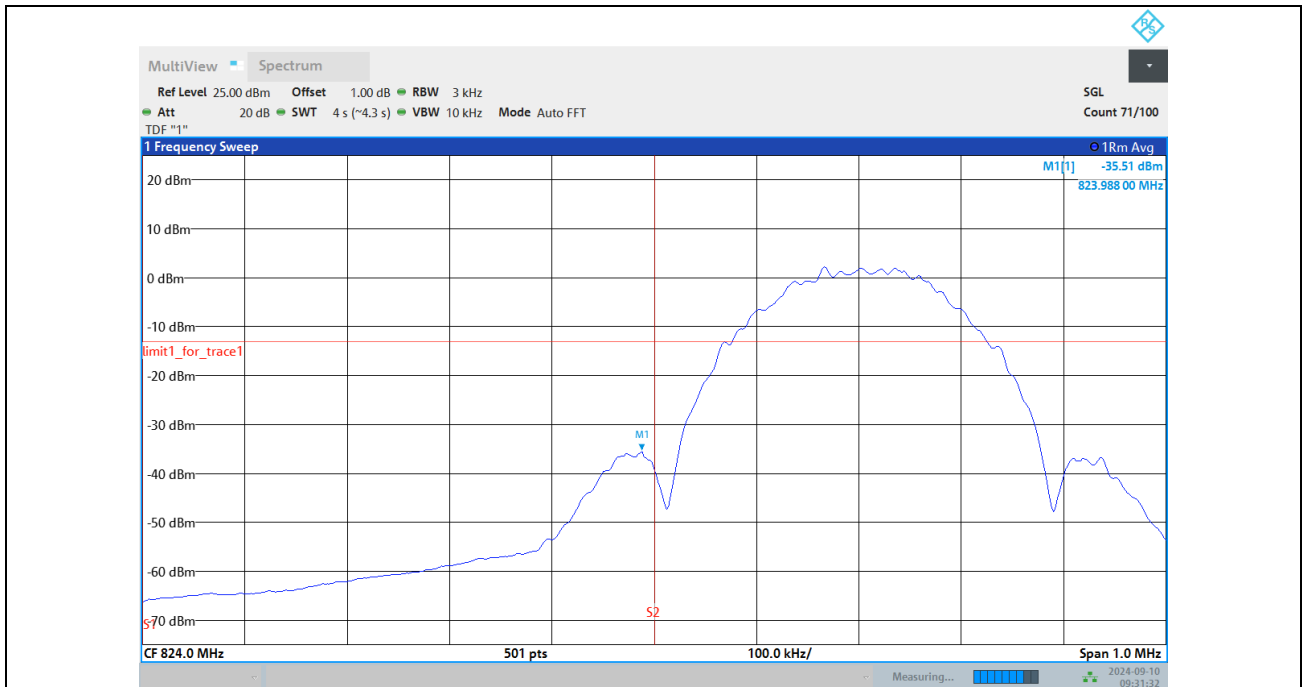


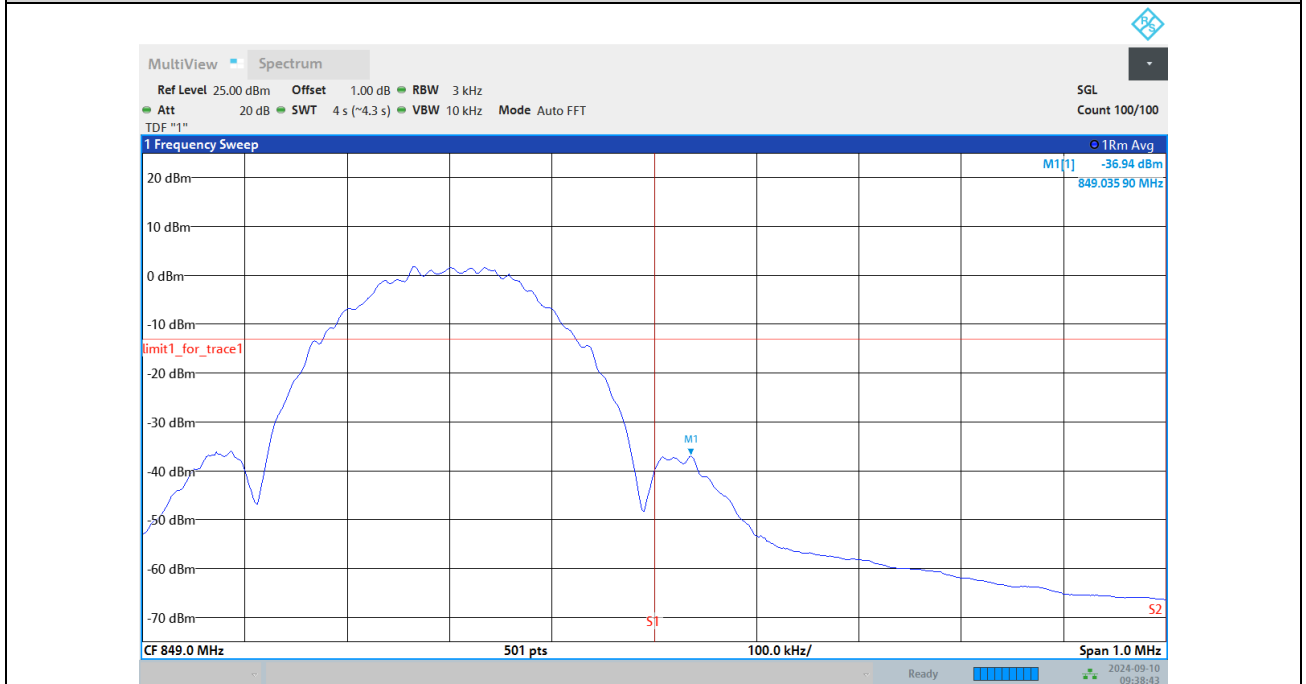


BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01



EGPRS850-251





CONDUCTED SPURIOUS EMISSION

Test Result

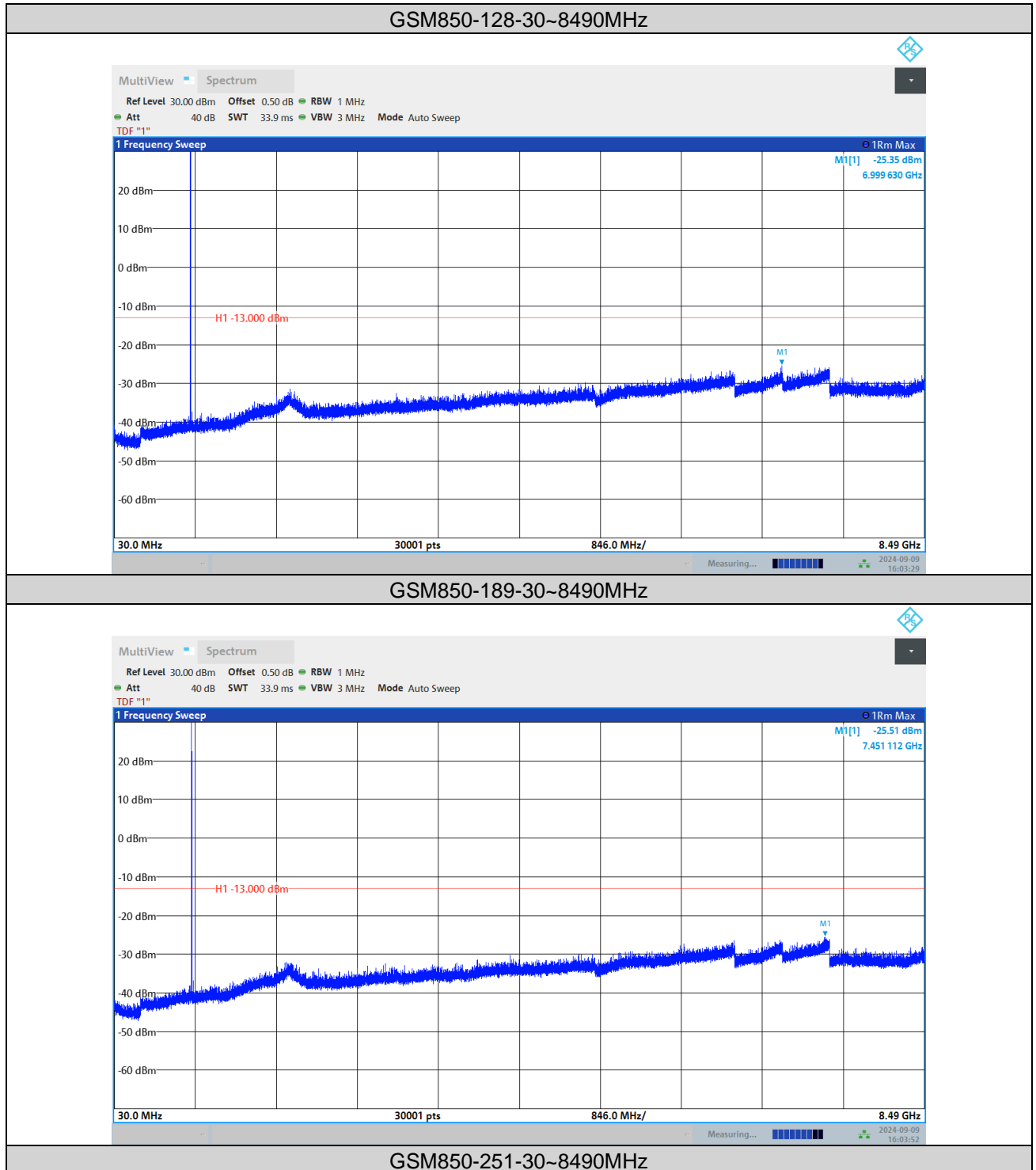
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	30~8490MHz	6999.630	-25.35	-13	PASS
GSM850	189	30~8490MHz	7451.112	-25.51	-13	PASS
GSM850	251	30~8490MHz	7459.854	-25.21	-13	PASS
EGPRS850	128	30~8490MHz	7498.770	-25.89	-13	PASS
EGPRS850	189	30~8490MHz	7490.592	-25.10	-13	PASS
EGPRS850	251	30~8490MHz	7455.342	-25.53	-13	PASS



BUREAU
VERITAS

Test Report No.: PSU-NQN2406210109RF01

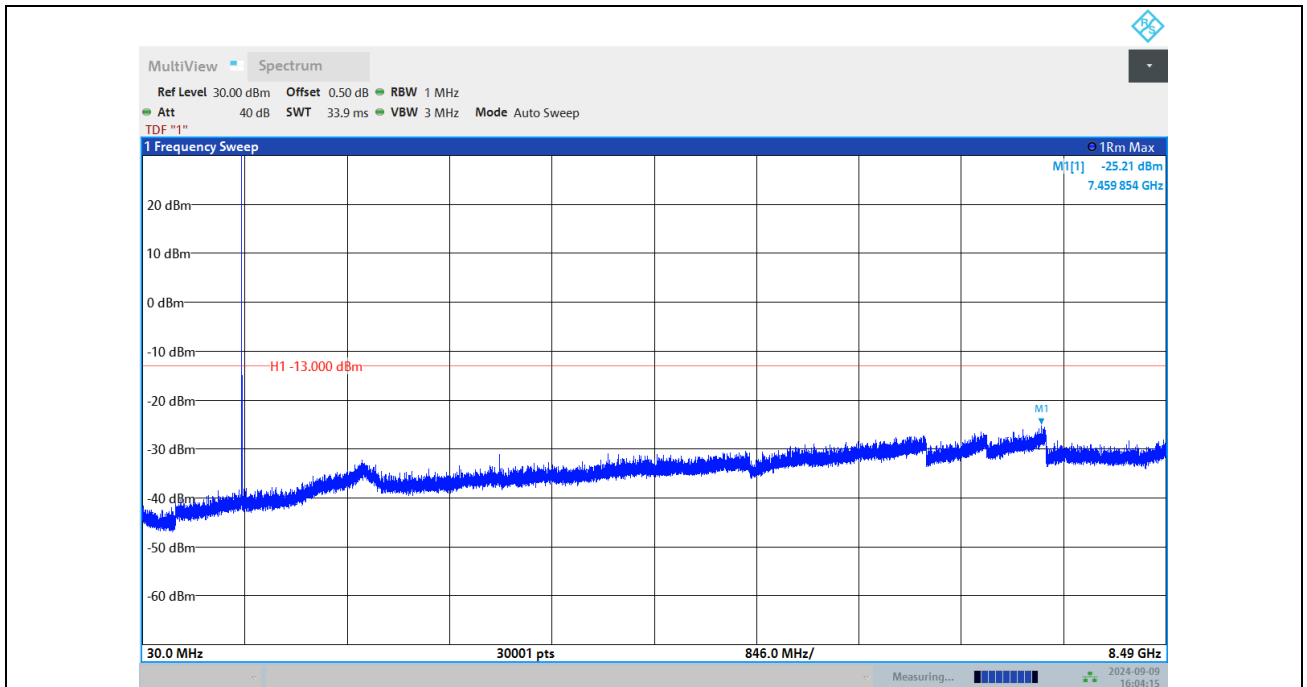
Test Graphs



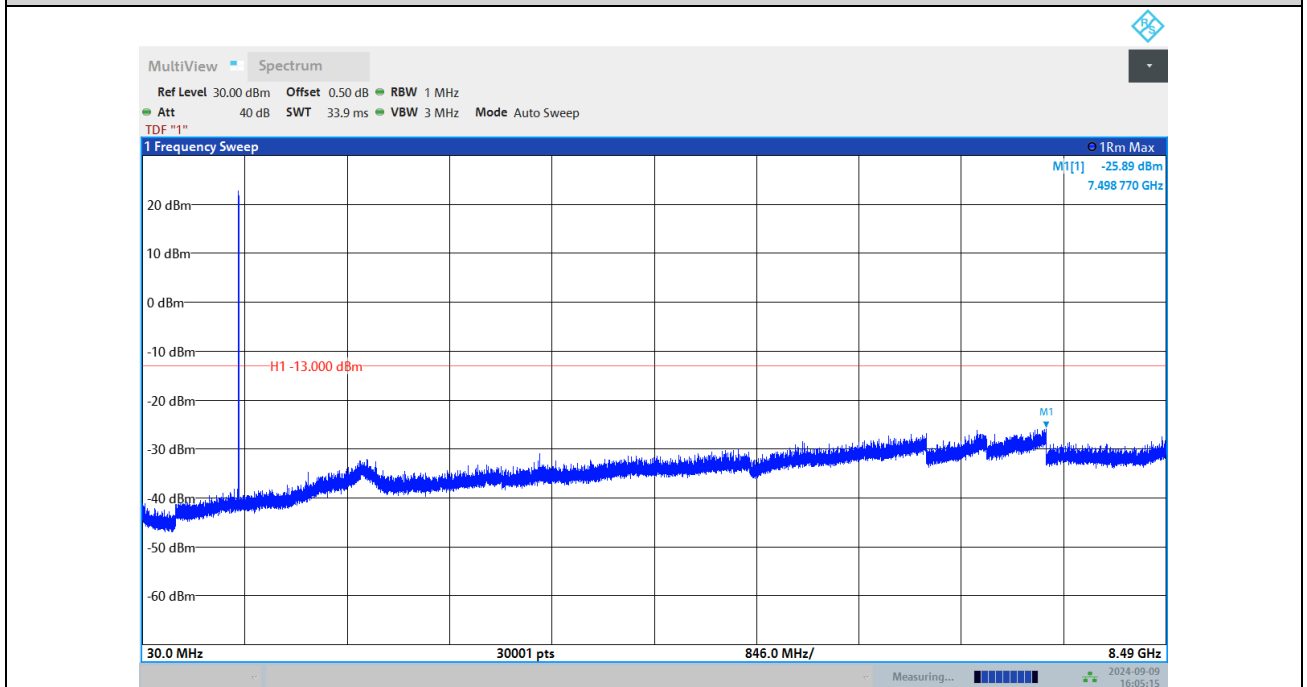


BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01



EGPRS850-128-30~8490MHz

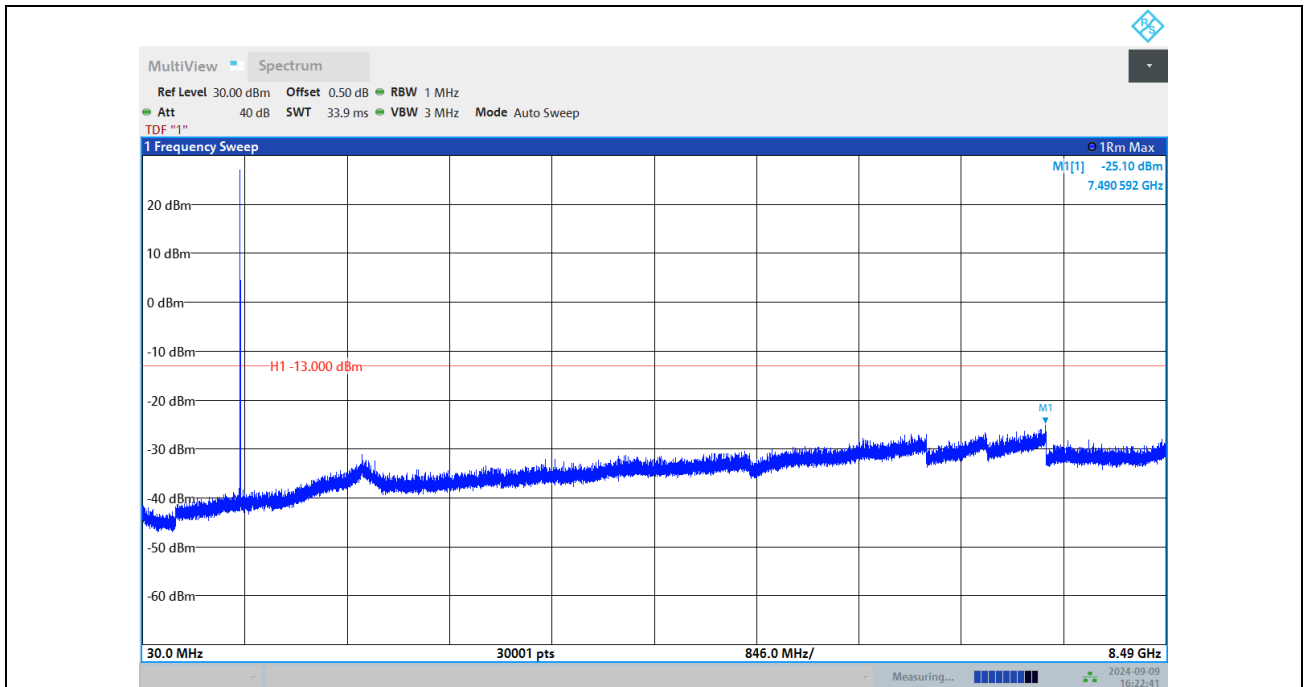


EGPRS850-189-30~8490MHz

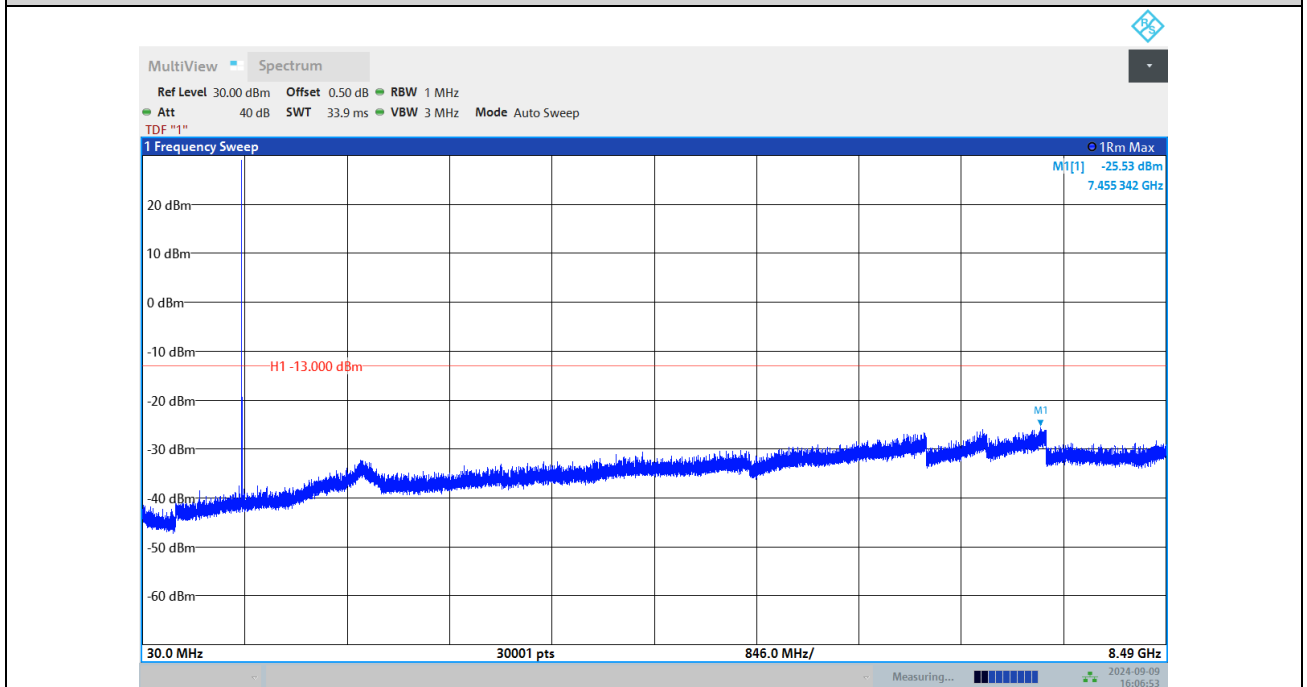


BUREAU
VERITAS

Test Report No.: PSU-NQN2406210109RF01



EGPRS850-251-30~8490MHz





FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	189	LV	NT	-6.20	-0.0075	±2.5	PASS
GSM850	189	NV	NT	-5.35	-0.0065	±2.5	PASS
GSM850	189	HV	NT	8.97	0.0109	±2.5	PASS
GSM850	128	LV	NT	8.49	0.0102	±2.5	PASS
GSM850	128	NV	NT	0.61	0.0007	±2.5	PASS
GSM850	128	HV	NT	9.01	0.0108	±2.5	PASS
GSM850	251	LV	NT	2.90	0.0034	±2.5	PASS
GSM850	251	NV	NT	-1.72	-0.0020	±2.5	PASS
GSM850	251	HV	NT	-7.35	-0.0087	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	189	NV	-30	0.51	0.0006	±2.5	PASS
GSM850	189	NV	-20	7.40	0.0090	±2.5	PASS
GSM850	189	NV	-10	4.41	0.0054	±2.5	PASS
GSM850	189	NV	0	5.17	0.0063	±2.5	PASS
GSM850	189	NV	10	-0.84	-0.0010	±2.5	PASS
GSM850	189	NV	20	1.96	0.0024	±2.5	PASS
GSM850	189	NV	30	4.40	0.0053	±2.5	PASS
GSM850	189	NV	40	4.37	0.0053	±2.5	PASS
GSM850	189	NV	50	-7.17	-0.0087	±2.5	PASS
GSM850	128	NV	-30	-2.20	-0.0026	±2.5	PASS
GSM850	128	NV	-20	10.00	0.0120	±2.5	PASS
GSM850	128	NV	-10	5.57	0.0067	±2.5	PASS
GSM850	128	NV	0	0.39	0.0005	±2.5	PASS
GSM850	128	NV	10	-9.58	-0.0115	±2.5	PASS
GSM850	128	NV	20	-8.65	-0.0103	±2.5	PASS
GSM850	128	NV	30	1.47	0.0018	±2.5	PASS
GSM850	128	NV	40	8.75	0.0105	±2.5	PASS
GSM850	128	NV	50	0.88	0.0011	±2.5	PASS
GSM850	251	NV	-30	8.52	0.0100	±2.5	PASS
GSM850	251	NV	-20	1.21	0.0014	±2.5	PASS
GSM850	251	NV	-10	5.34	0.0063	±2.5	PASS
GSM850	251	NV	0	-1.28	-0.0015	±2.5	PASS
GSM850	251	NV	10	3.41	0.0040	±2.5	PASS
GSM850	251	NV	20	-0.98	-0.0012	±2.5	PASS
GSM850	251	NV	30	6.01	0.0071	±2.5	PASS
GSM850	251	NV	40	9.04	0.0107	±2.5	PASS
GSM850	251	NV	50	-2.58	-0.0030	±2.5	PASS



MAX Deviation calculation

Frequency Stability	Frequency(MHz)	Limit Line(MHz)	Result
$fL- MAX(\Delta f) $	824.0769055	≥ 824	PASS
$fH+ MAX(\Delta f) $	848.677013	≤ 849	

- Note:
1. $|MAX(\Delta f)|$ = Max Deviation
 2. fL = Occ low channel $fL(-13dBm/MHz)$
 3. fH = Occ High channel $fH(-13dBm/MHz)$
 4. $|MAX(\Delta f)|$ = 10Hz.



CDMA2000 BC0

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

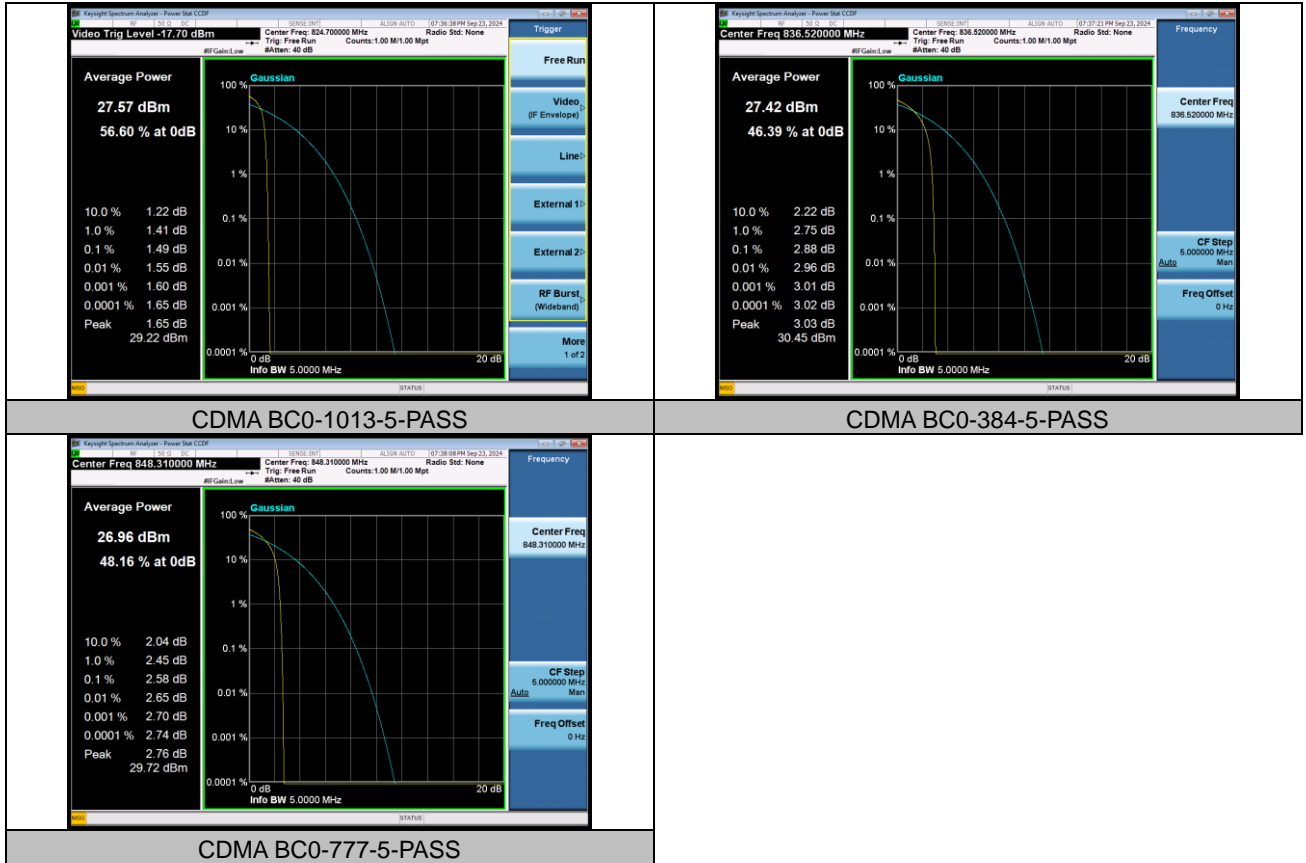
Band	Channel	Result(dB)	Limit(dB)	Verdict
CDMA BC0	1013	1.49	13	PASS
CDMA BC0	384	2.88	13	PASS
CDMA BC0	777	2.58	13	PASS



BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01

Test Graphs





26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

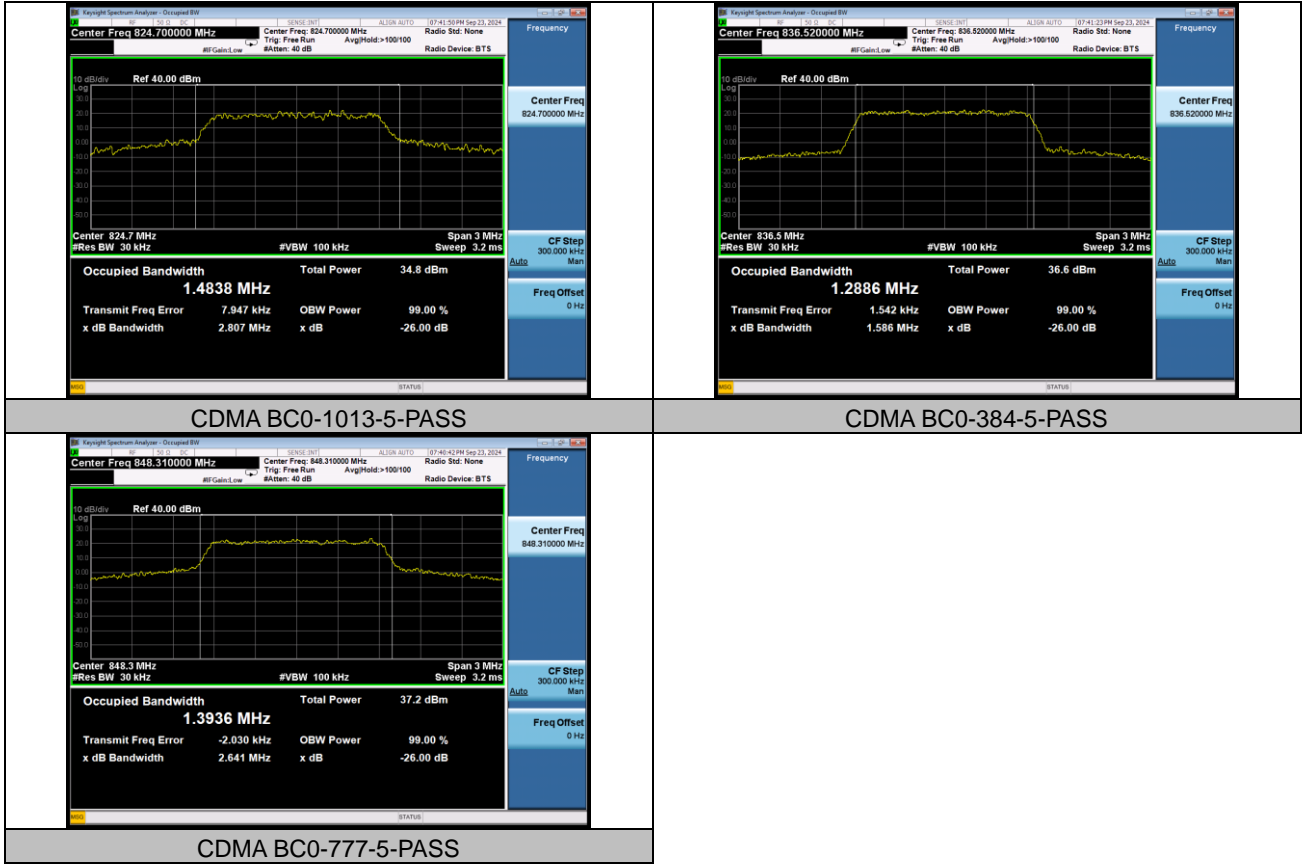
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
CDMA BC0	1013	1.4838	2.807	---	PASS
CDMA BC0	384	1.2886	1.586	---	PASS
CDMA BC0	777	1.3936	2.641	---	PASS



BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01

Test Graphs





BAND EDGE

Test Result

Band	Channel	Result	Limit(dBm)	Verdict
CDMA BC0	1013	Seegraph	-13	PASS
CDMA BC0	777	Seegraph	-13	PASS



BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01

Test Graphs



CDMA BC0-1013-5-PASS



CDMA BC0-777-5-PASS



CONDUCTED SPURIOUS EMISSION

Test Result

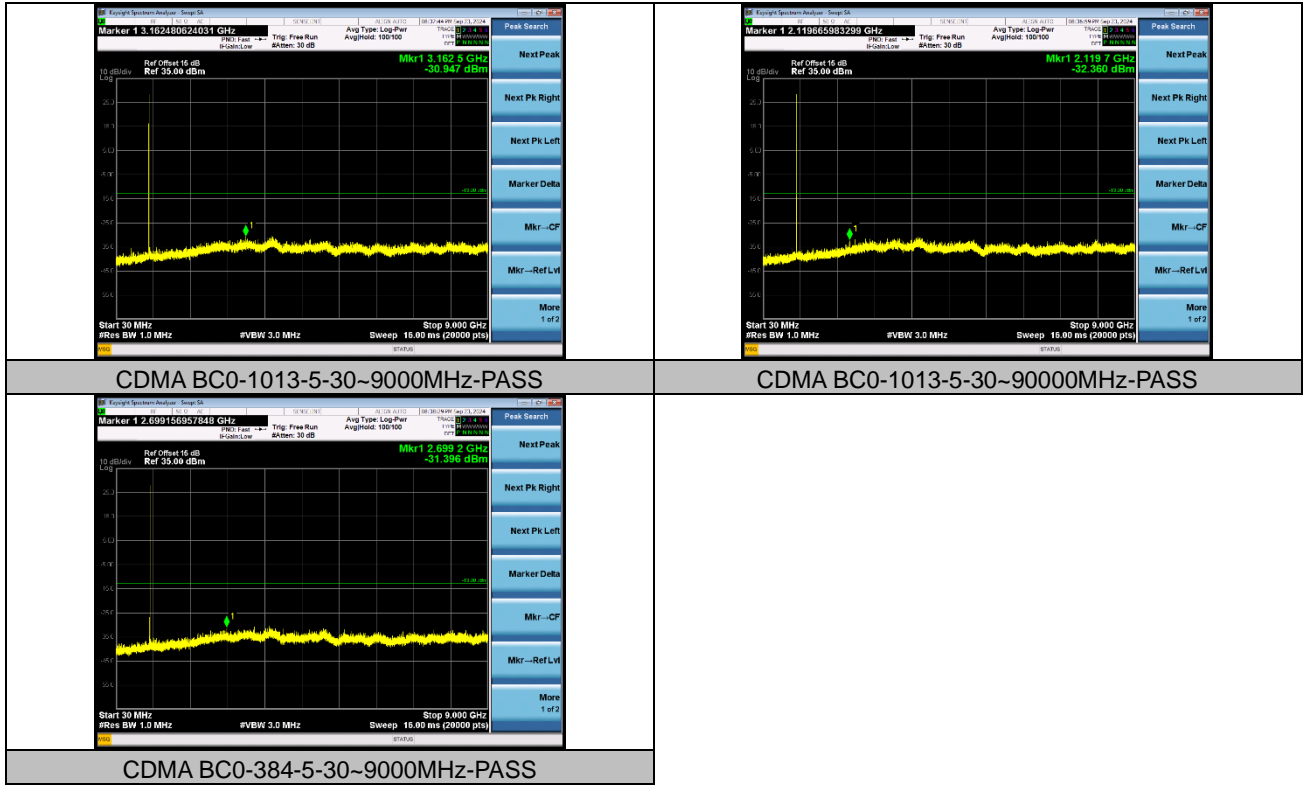
Band	Channel	Frequency Range(MHz)	Result (dBm)	Limit (dBm)	Verdict
CDMA BC0	1013	30~9000MHz	Seegraph	-13	PASS
CDMA BC0	384	30~9000MHz	Seegraph	-13	PASS
CDMA BC0	777	30~9000MHz	Seegraph	-13	PASS



BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01

Test Graphs





FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
CDMA BC0	1013	VN	NT	6.89	0.008355	±2.5	PASS
CDMA BC0	1013	VL	NT	-7.73	-0.009373	±2.5	PASS
CDMA BC0	1013	VH	NT	6.62	0.008027	±2.5	PASS
CDMA BC0	384	VN	NT	-11.18	-0.013365	±2.5	PASS
CDMA BC0	384	VL	NT	17.02	0.020346	±2.5	PASS
CDMA BC0	384	VH	NT	-19.33	-0.023108	±2.5	PASS
CDMA BC0	777	VN	NT	-3.02	-0.00356	±2.5	PASS
CDMA BC0	777	VL	NT	16.82	0.019828	±2.5	PASS
CDMA BC0	777	VH	NT	-14.44	-0.017022	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
CDMA BC0	1013	NV	-30	5.91	0.007166	±2.5	PASS
CDMA BC0	1013	NV	-20	-0.07	-0.000085	±2.5	PASS
CDMA BC0	1013	NV	-10	7.05	0.008549	±2.5	PASS
CDMA BC0	1013	NV	0	-9.49	-0.011507	±2.5	PASS
CDMA BC0	1013	NV	10	6.58	0.007979	±2.5	PASS
CDMA BC0	1013	NV	20	-10.98	-0.013314	±2.5	PASS
CDMA BC0	1013	NV	30	14.01	0.016988	±2.5	PASS
CDMA BC0	1013	NV	40	19.28	0.023378	±2.5	PASS
CDMA BC0	1013	NV	50	-16.12	-0.019547	±2.5	PASS



**BUREAU
VERITAS**

Test Report No.: PSU-NQN2406210109RF01

CDMA BC0	384	NV	-30	-11.04	-0.013198	±2.5	PASS
CDMA BC0	384	NV	-20	-11.57	-0.013831	±2.5	PASS
CDMA BC0	384	NV	-10	7.18	0.008583	±2.5	PASS
CDMA BC0	384	NV	0	-1.18	-0.001411	±2.5	PASS
CDMA BC0	384	NV	10	-7.01	-0.00838	±2.5	PASS
CDMA BC0	384	NV	20	16.72	0.019988	±2.5	PASS
CDMA BC0	384	NV	30	-17.83	-0.021314	±2.5	PASS
CDMA BC0	384	NV	40	8.49	0.010149	±2.5	PASS
CDMA BC0	384	NV	50	-7.87	-0.009408	±2.5	PASS
CDMA BC0	777	NV	-30	1.58	0.001863	±2.5	PASS
CDMA BC0	777	NV	-20	12.63	0.014888	±2.5	PASS
CDMA BC0	777	NV	-10	4.91	0.005788	±2.5	PASS
CDMA BC0	777	NV	0	-7.32	-0.008629	±2.5	PASS
CDMA BC0	777	NV	10	3.54	0.004173	±2.5	PASS
CDMA BC0	777	NV	20	-5.86	-0.006908	±2.5	PASS
CDMA BC0	777	NV	30	18.65	0.021985	±2.5	PASS
CDMA BC0	777	NV	40	4.56	0.005375	±2.5	PASS
CDMA BC0	777	NV	50	-16.64	-0.019615	±2.5	PASS



WCM DA BAND5

PEAK-TO-AVERAGE RATIO

Test Result

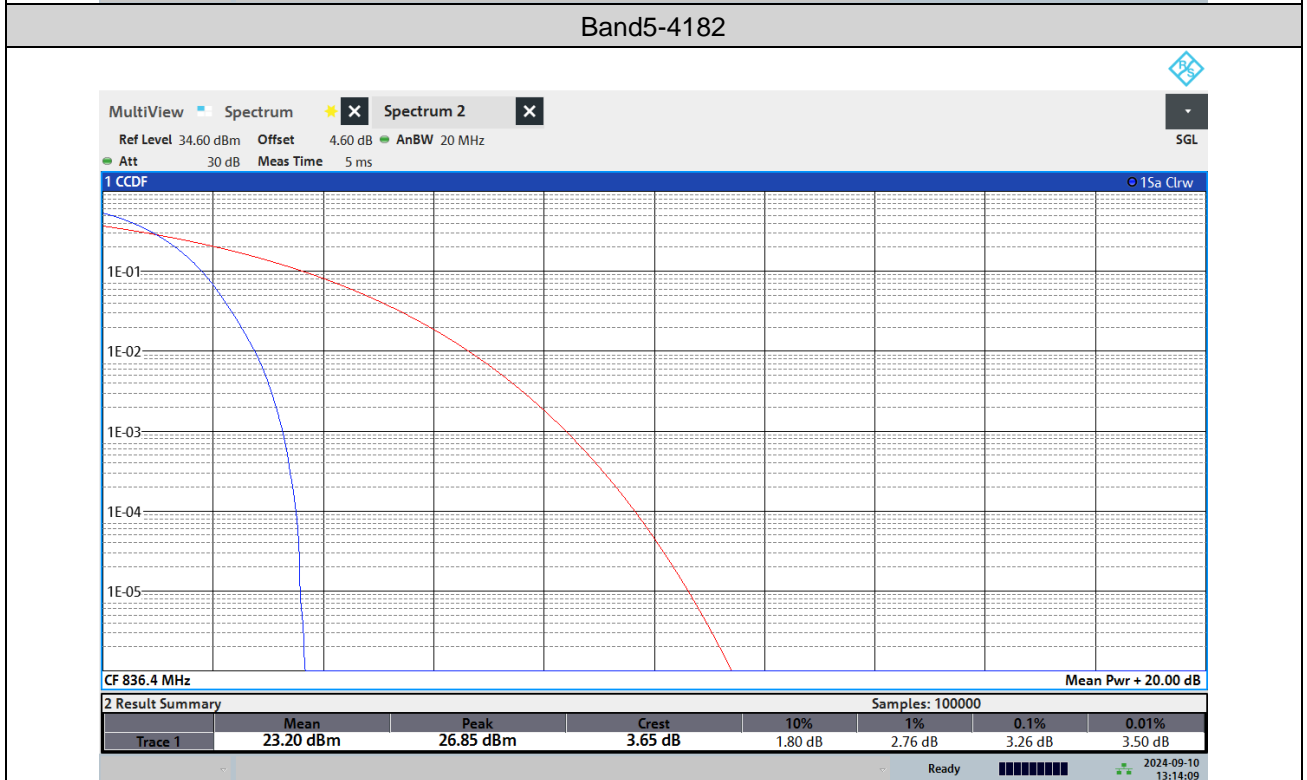
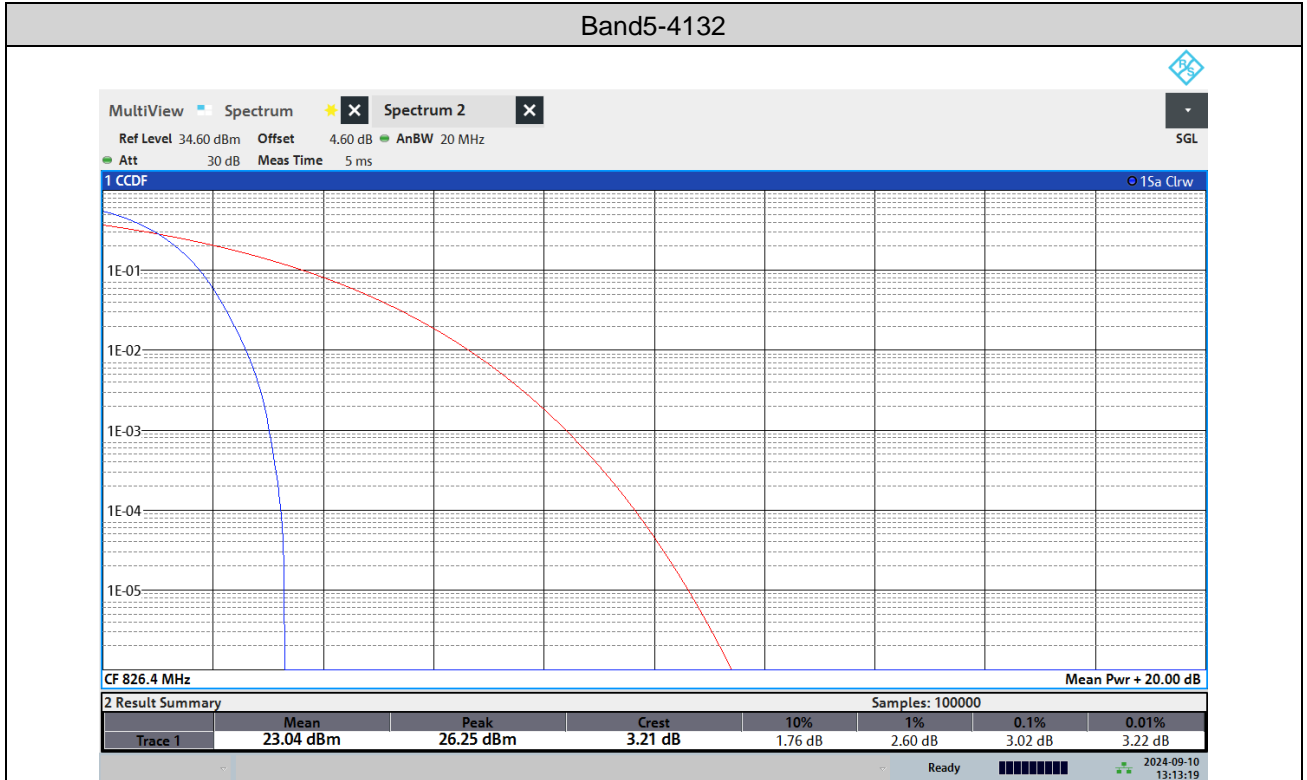
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band5	4132	3.02	13	PASS
Band5	4182	3.26	13	PASS
Band5	4233	3.24	13	PASS



BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01

Test Graphs



Band5-4233



BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01





26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	4132	4.118	4.67	PASS
Band5	4182	4.117	4.67	PASS
Band5	4233	4.115	4.67	PASS

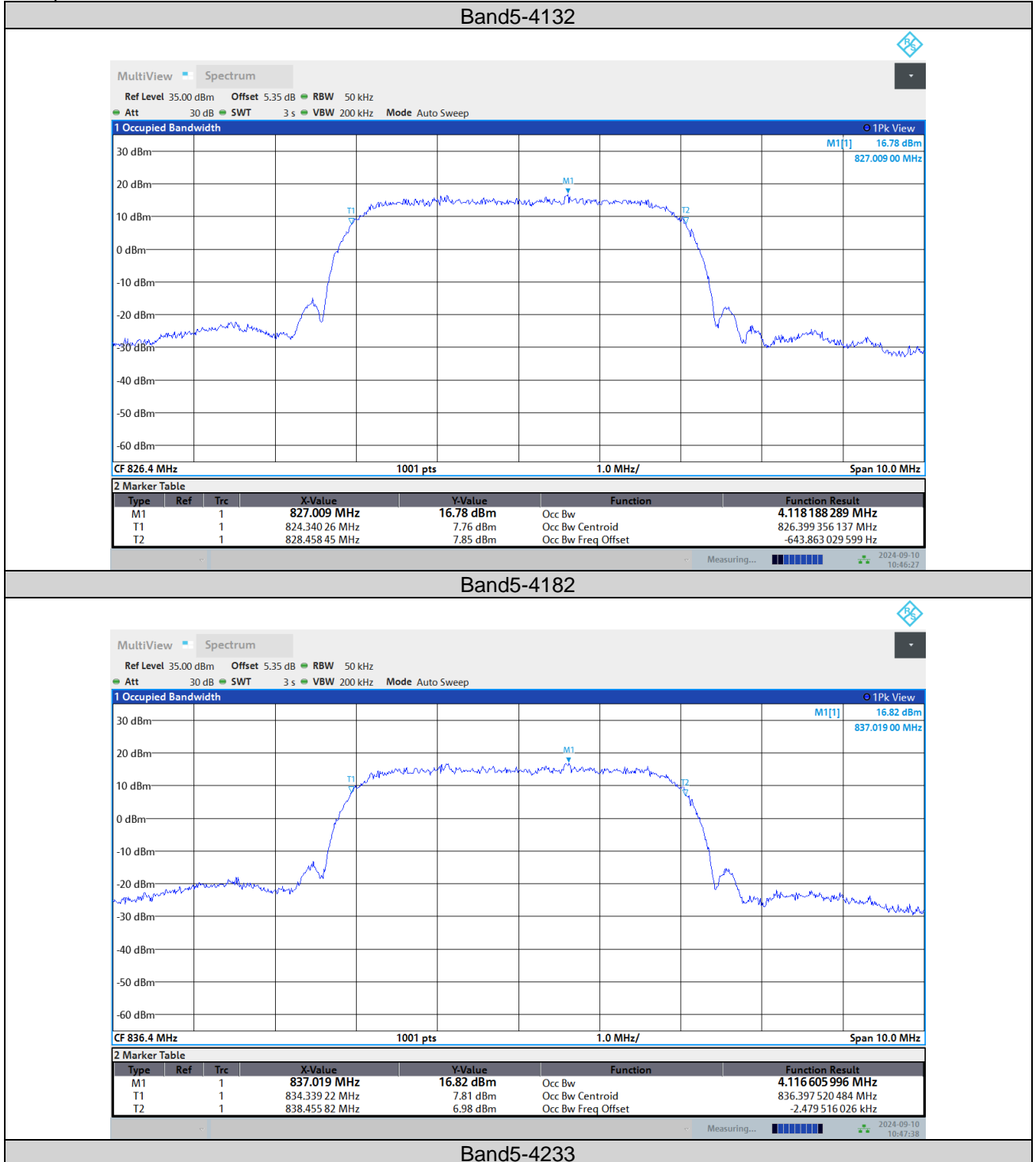


BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01

Test Graphs

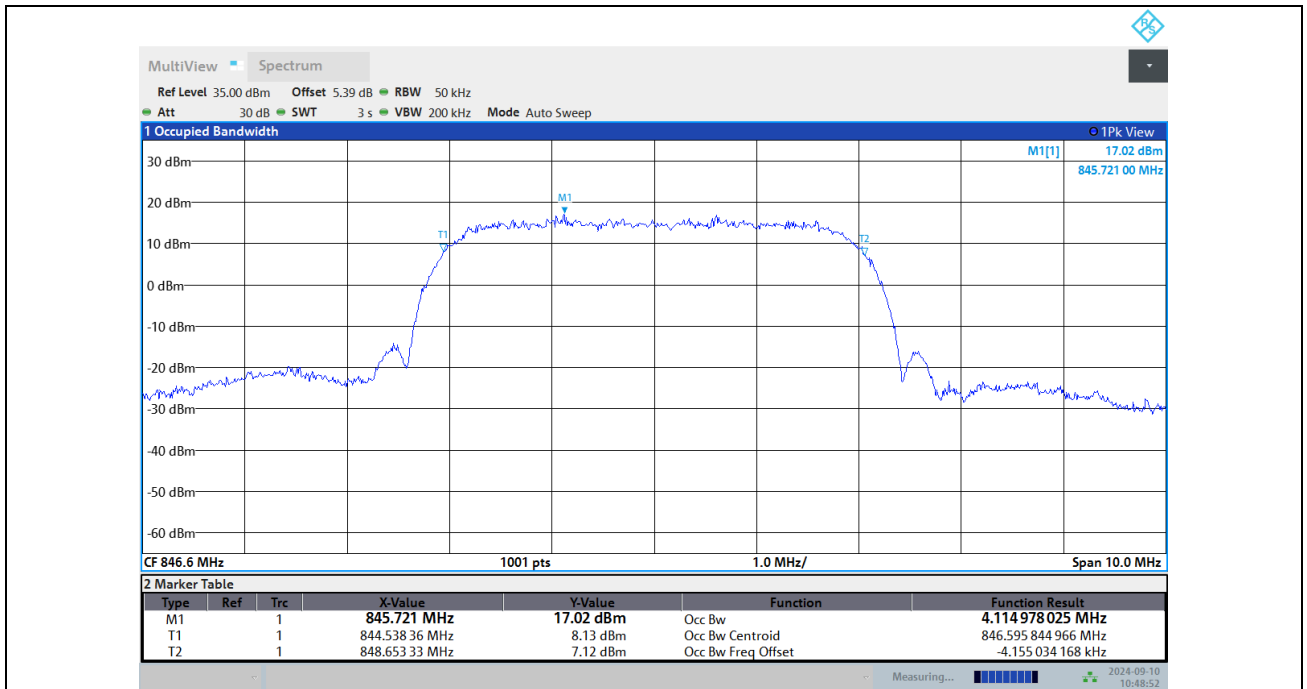
Occupied Bandwidth



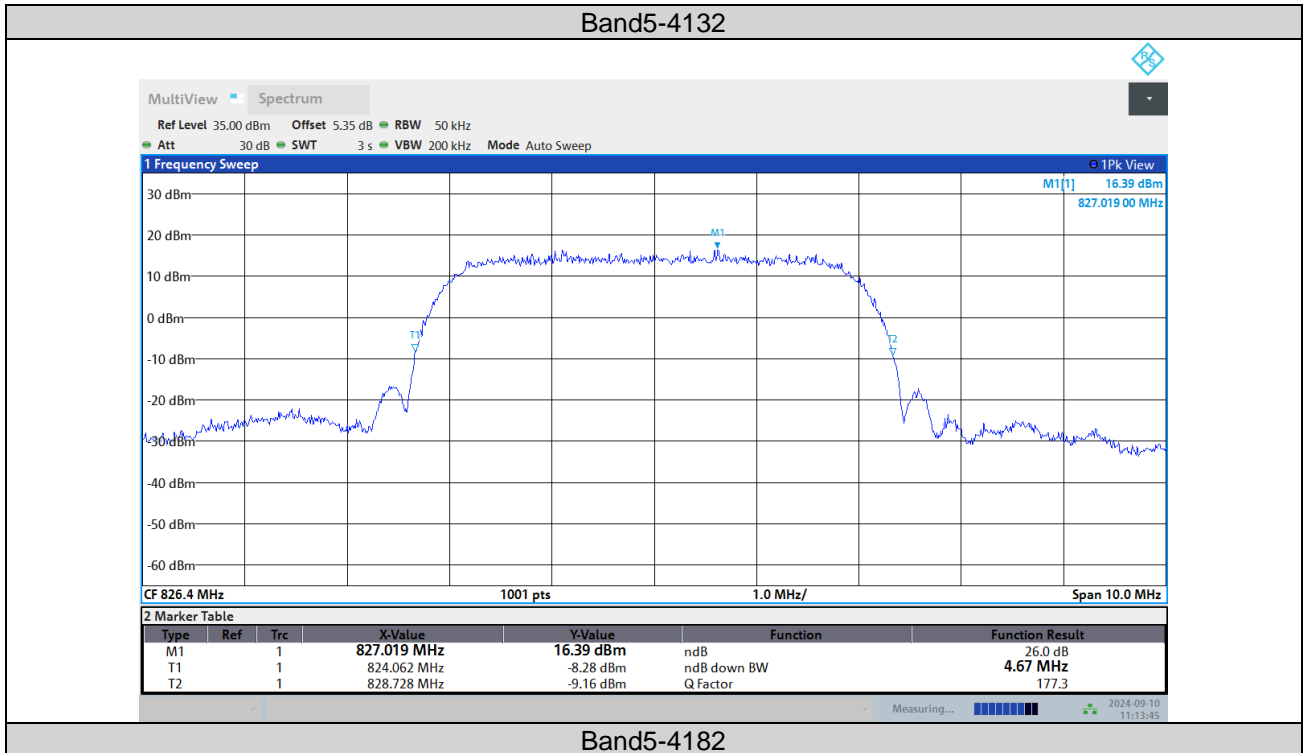


BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01



26dB Bandwidth

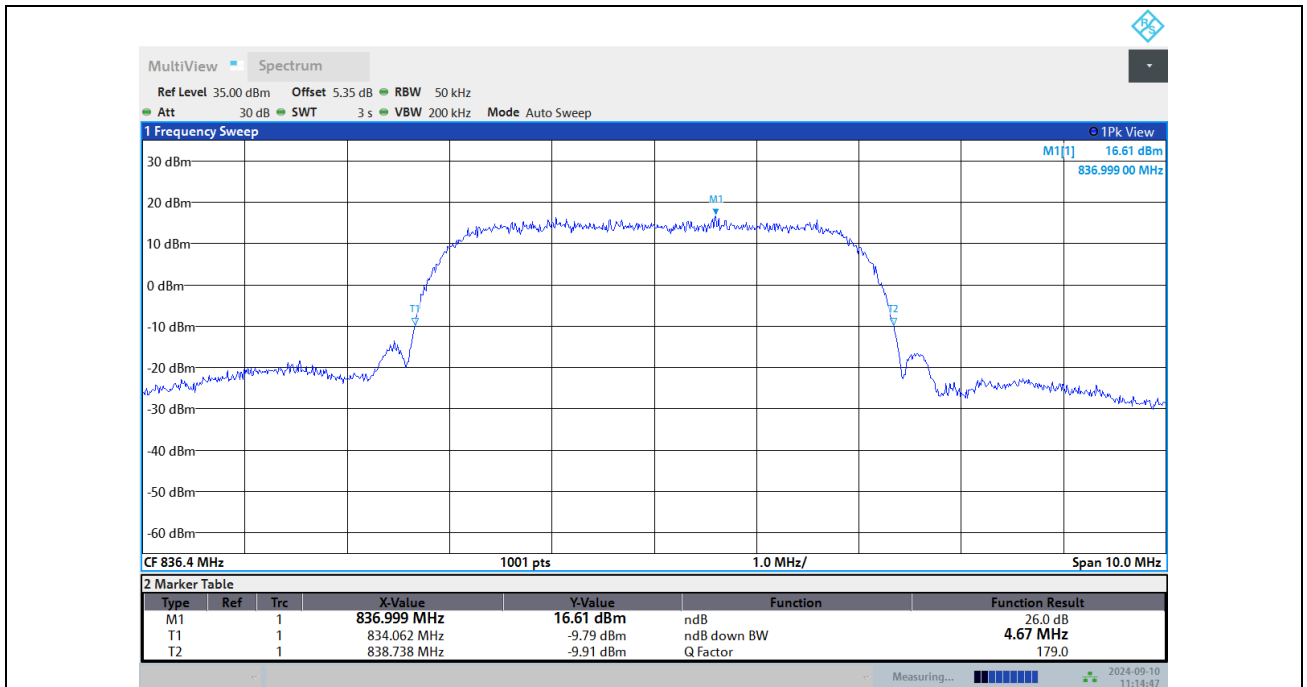


Band5-4182

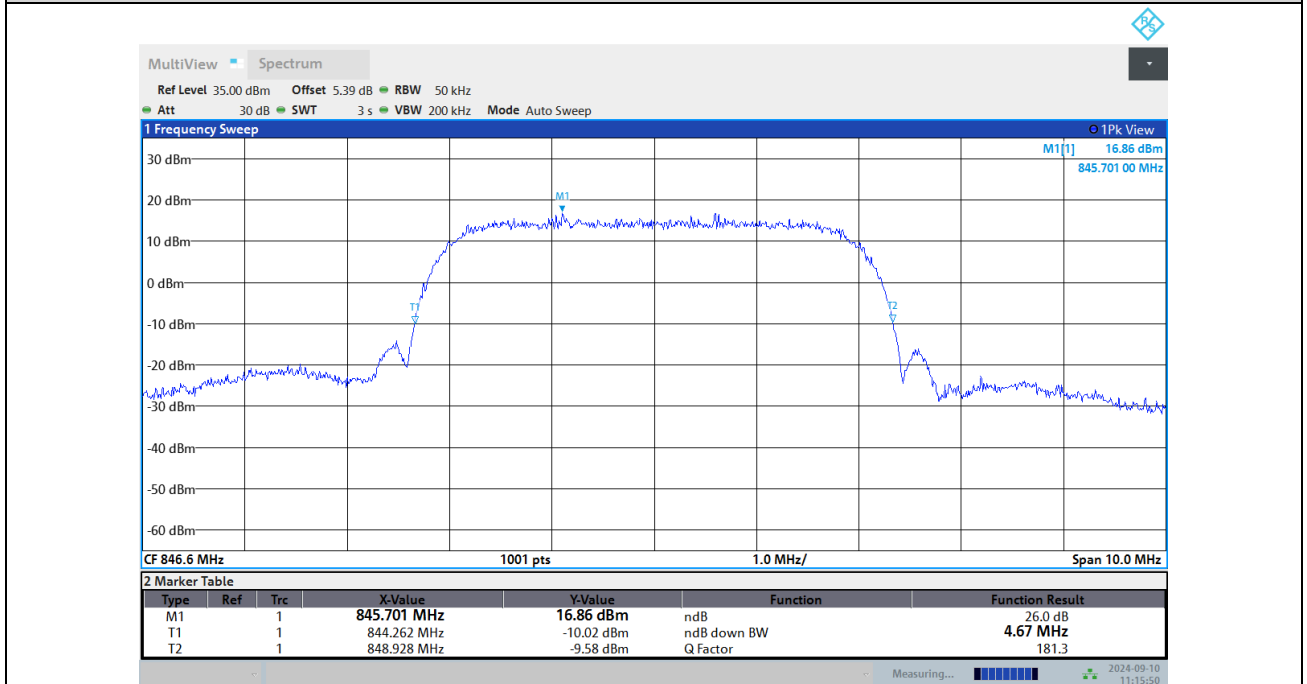


BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01



Band5-4233





BAND EDGE

Test Result

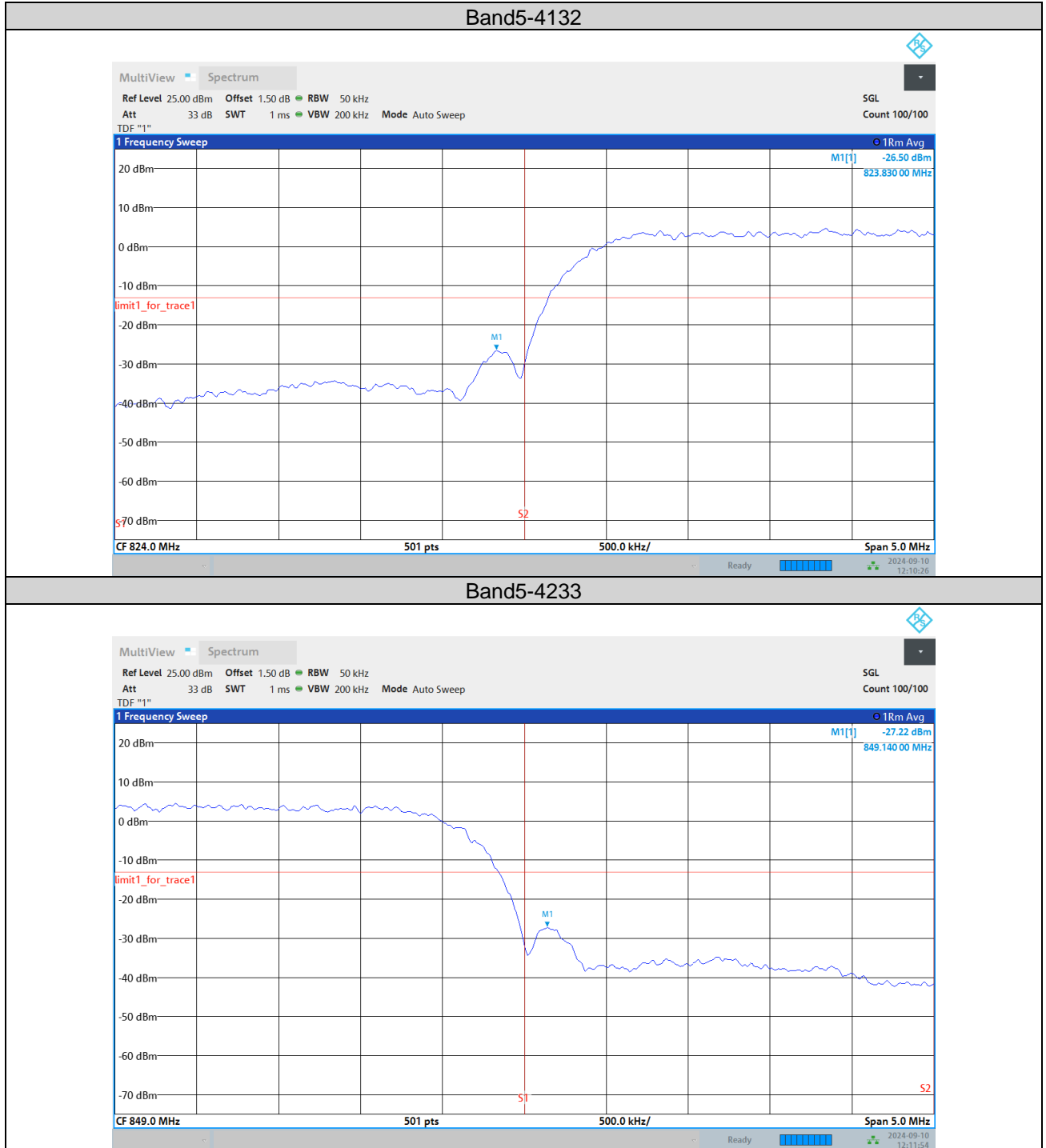
Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.830	-26.50	-13	PASS
Band5	4233	849.140	-27.22	-13	PASS



BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01

Test Graphs





CONDUCTED SPURIOUS EMISSION

Test Result

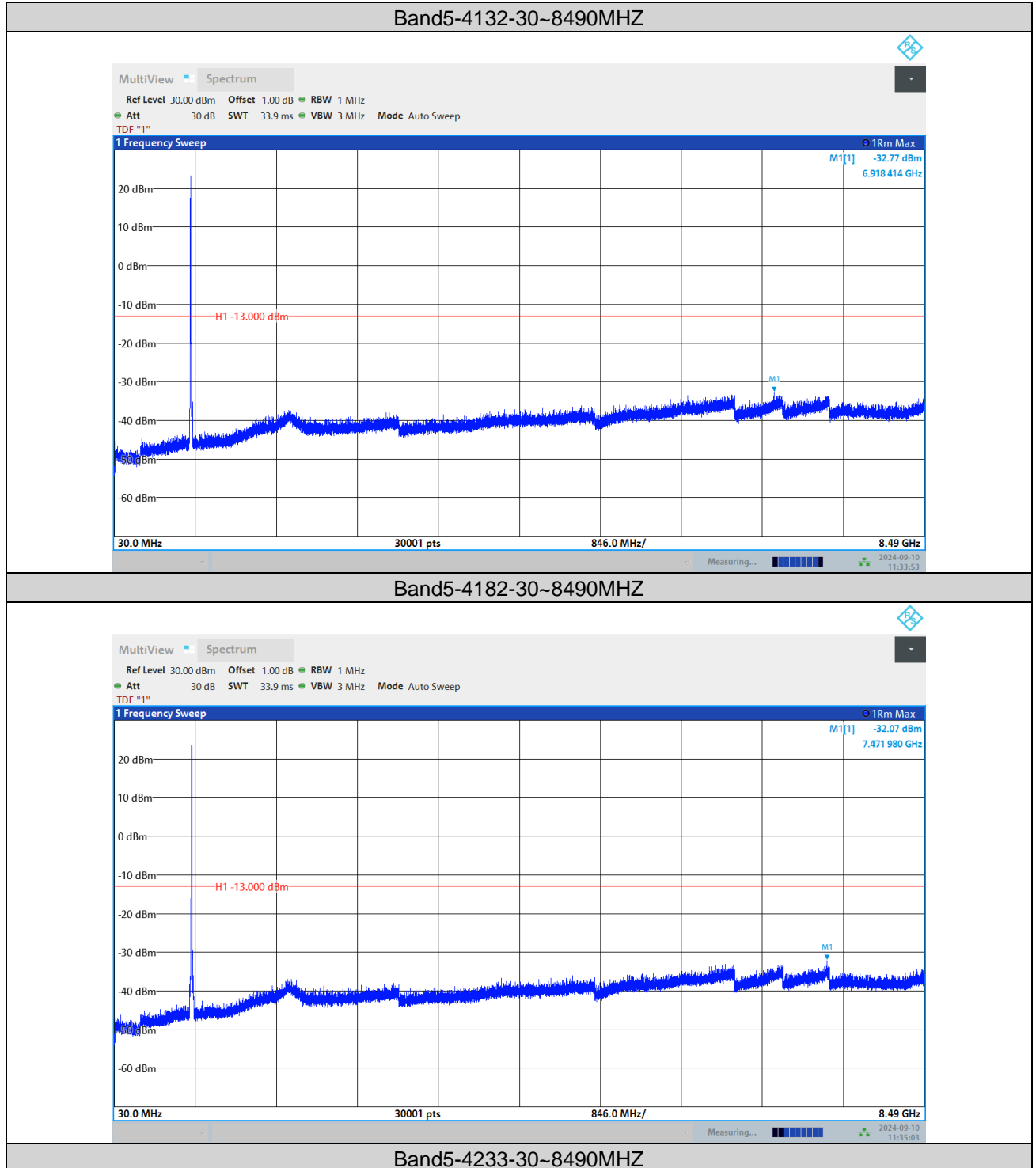
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	30~8490MHZ	6918.414	-32.77	-13	PASS
Band5	4182	30~8490MHZ	7471.980	-32.07	-13	PASS
Band5	4233	30~8490MHZ	7494.258	-32.71	-13	PASS



BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01

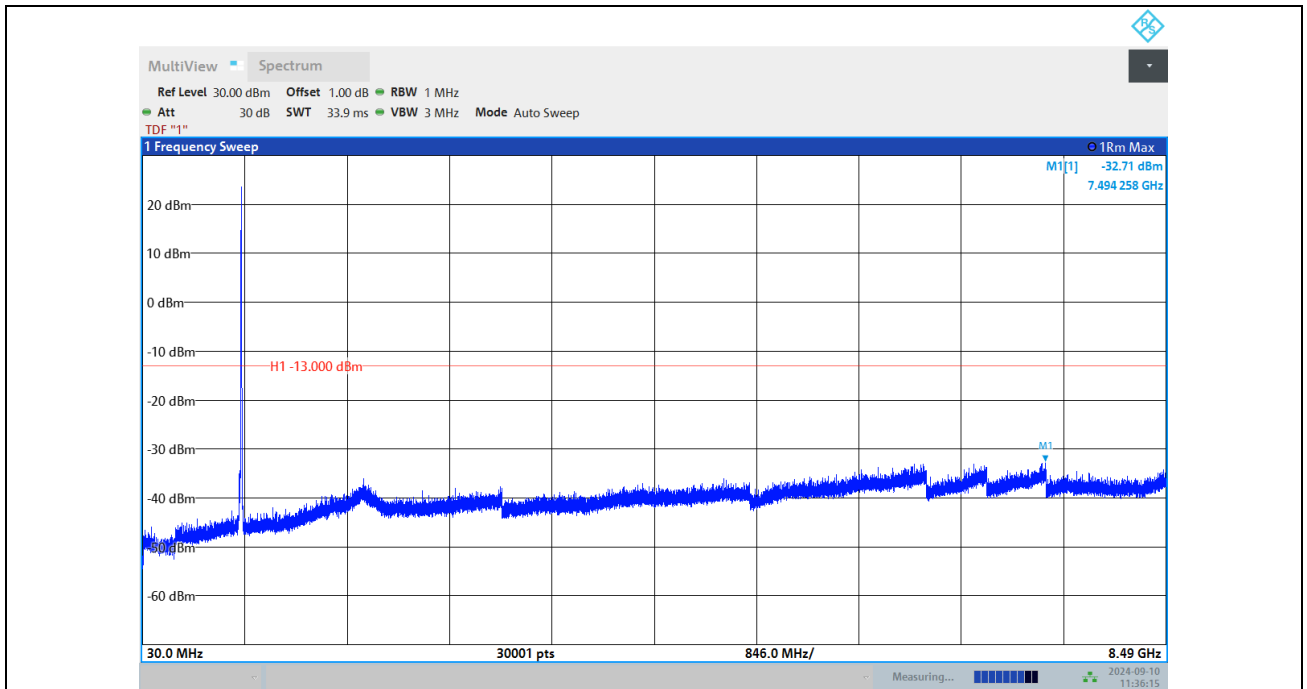
Test Graphs





**BUREAU
VERITAS**

Test Report No.: PSU-NQN2406210109RF01





FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VL	NT	2.81	0.0034	±2.5	PASS
Band5	4132	VN	NT	-9.43	-0.0114	±2.5	PASS
Band5	4132	VH	NT	-5.38	-0.0065	±2.5	PASS
Band5	4182	VL	NT	-0.77	-0.0009	±2.5	PASS
Band5	4182	VN	NT	3.69	0.0044	±2.5	PASS
Band5	4182	VH	NT	9.28	0.0111	±2.5	PASS
Band5	4233	VL	NT	-4.96	-0.0059	±2.5	PASS
Band5	4233	VN	NT	-3.44	-0.0041	±2.5	PASS
Band5	4233	VH	NT	-7.30	-0.0086	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	-5.84	0.0140	±2.5	PASS
Band5	4132	NV	-20	-5.49	0.0131	±2.5	PASS
Band5	4132	NV	-10	-3.01	-0.0036	±2.5	PASS
Band5	4132	NV	0	4.24	0.0051	±2.5	PASS
Band5	4132	NV	10	2.50	0.0030	±2.5	PASS
Band5	4132	NV	20	-8.36	-0.0101	±2.5	PASS
Band5	4132	NV	30	0.21	0.0003	±2.5	PASS
Band5	4132	NV	40	0.02	0.0000	±2.5	PASS
Band5	4132	NV	50	9.71	0.0117	±2.5	PASS
Band5	4182	NV	-30	0.62	0.0007	±2.5	PASS
Band5	4182	NV	-20	0.65	0.0008	±2.5	PASS
Band5	4182	NV	-10	3.43	0.0041	±2.5	PASS
Band5	4182	NV	0	-8.14	-0.0097	±2.5	PASS
Band5	4182	NV	10	5.93	0.0071	±2.5	PASS
Band5	4182	NV	20	-9.37	-0.0112	±2.5	PASS
Band5	4182	NV	30	8.96	0.0107	±2.5	PASS
Band5	4182	NV	40	-6.58	-0.0079	±2.5	PASS
Band5	4182	NV	50	6.64	0.0079	±2.5	PASS
Band5	4233	NV	-30	1.82	0.0021	±2.5	PASS
Band5	4233	NV	-20	-8.73	-0.0103	±2.5	PASS
Band5	4233	NV	-10	5.40	0.0064	±2.5	PASS
Band5	4233	NV	0	6.79	0.0080	±2.5	PASS
Band5	4233	NV	10	5.03	0.0059	±2.5	PASS
Band5	4233	NV	20	-9.89	-0.0117	±2.5	PASS
Band5	4233	NV	30	9.73	0.0115	±2.5	PASS



Band5	4233	NV	40	4.19	0.0049	±2.5	PASS
Band5	4233	NV	50	5.65	0.0067	±2.5	PASS

MAX Deviation calculation

Frequency Stability	Frequency(MHz)	Limit Line(MHz)	Result
$fL - \text{MAX}(\Delta f) $	824.3194906	≥ 824	PASS
$fH + \text{MAX}(\Delta f) $	848.6790094	≤ 849	

- Note:**
- $|\text{MAX}(\Delta f)| = \text{Max Deviation}$
 - $fL = \text{Occ low channel } f1 (-13\text{dBm/MHz})$
 - $fH = \text{Occ High channel } fH (-13\text{dBm/MHz})$
 - $|\text{MAX}(\Delta f)| = 9.36\text{Hz}$.



LTE BAND5

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.54	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.94	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	6.38	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	6.34	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.84	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	6.12	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.32	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.78	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	6.68	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	7.00	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	6.86	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.78	13	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	7.42	13	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	7.46	13	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	7.58	13	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	7.48	13	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	7.54	13	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	7.04	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.62	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.98	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.96	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	6.40	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.86	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	6.14	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.38	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	7.00	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	6.88	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	7.18	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	6.44	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	7.12	13	PASS
Band5	3MHz	64QAM	20415	1RB#0	6.40	13	PASS
Band5	3MHz	64QAM	20415	15RB#0	7.20	13	PASS
Band5	3MHz	64QAM	20525	1RB#0	7.68	13	PASS
Band5	3MHz	64QAM	20525	15RB#0	7.52	13	PASS
Band5	3MHz	64QAM	20635	1RB#0	7.08	13	PASS
Band5	3MHz	64QAM	20635	15RB#0	7.36	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.78	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.96	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.64	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	6.28	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.88	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	6.18	13	PASS



BUREAU
VERITAS

Test Report No.: PSU-NQN2406210109RF01

Band5	5MHz	16QAM	20425	1RB#0	6.12	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.74	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	6.38	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.96	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	6.50	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.96	13	PASS
Band5	5MHz	64QAM	20425	1RB#0	6.30	13	PASS
Band5	5MHz	64QAM	20425	25RB#0	7.10	13	PASS
Band5	5MHz	64QAM	20525	1RB#0	7.18	13	PASS
Band5	5MHz	64QAM	20525	25RB#0	7.30	13	PASS
Band5	5MHz	64QAM	20625	1RB#0	7.46	13	PASS
Band5	5MHz	64QAM	20625	25RB#0	7.20	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.52	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.86	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.72	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	6.08	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.98	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	6.00	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.52	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.74	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.92	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.90	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.48	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.86	13	PASS
Band5	10MHz	64QAM	20450	1RB#0	6.44	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	7.00	13	PASS
Band5	10MHz	64QAM	20525	1RB#0	6.44	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	7.22	13	PASS
Band5	10MHz	64QAM	20600	1RB#0	7.16	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	7.12	13	PASS

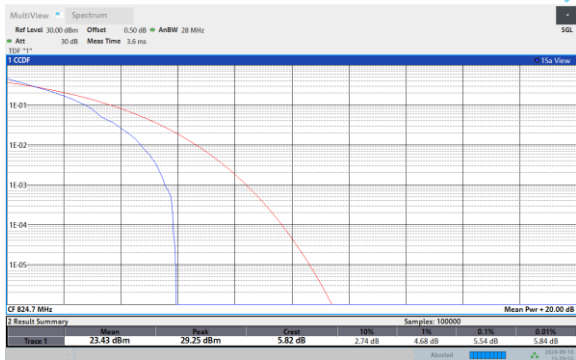


**BUREAU
VERITAS**

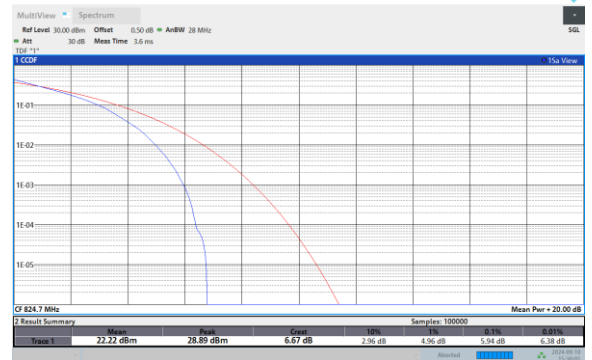
Test Report No.: PSU-NQN2406210109RF01

Test Graphs

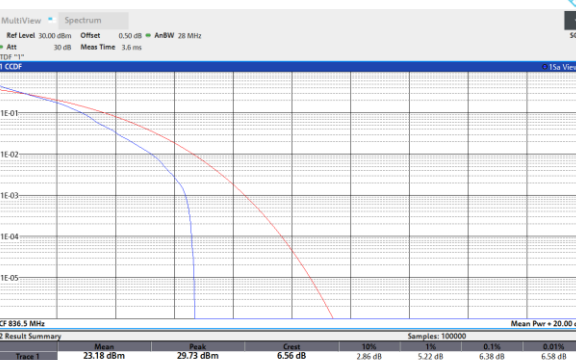
Band5-1.4MHz-QPSK-20407-1RB#0



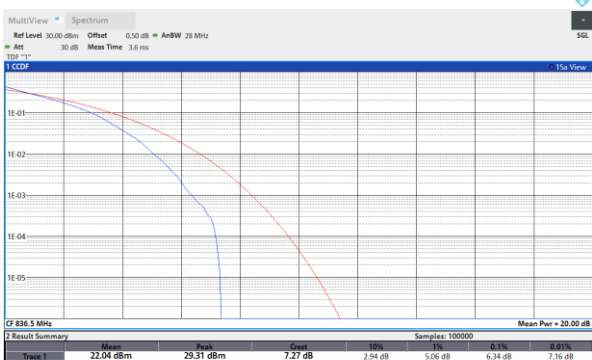
Band5-1.4MHz-QPSK-20407-6RB#0



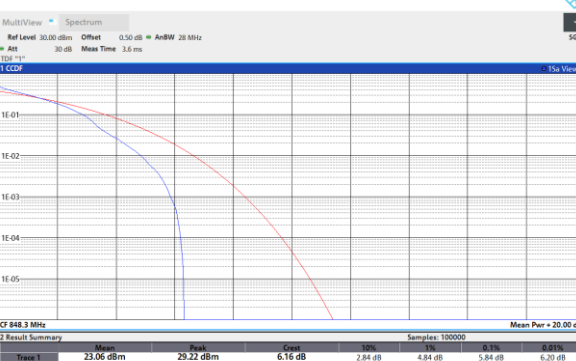
Band5-1.4MHz-QPSK-20525-1RB#0



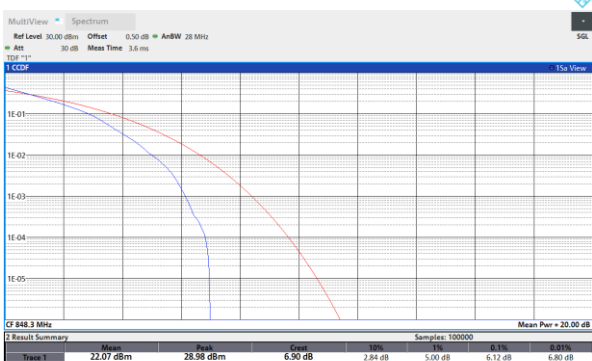
Band5-1.4MHz-QPSK-20525-6RB#0



Band5-1.4MHz-QPSK-20643-1RB#0



Band5-1.4MHz-QPSK-20643-6RB#0



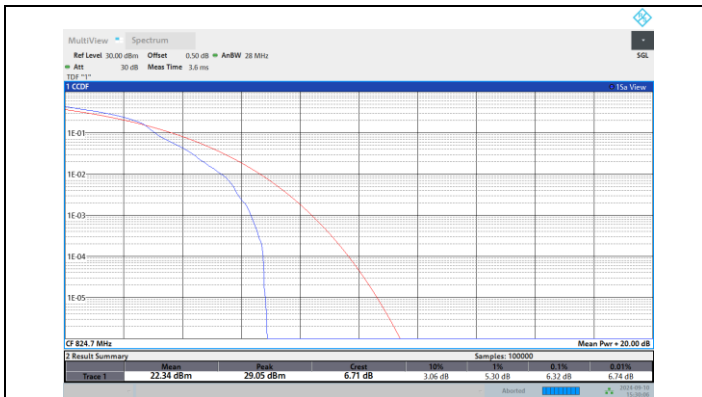
Band5-1.4MHz-16QAM-20407-1RB#0

Band5-1.4MHz-16QAM-20407-6RB#0

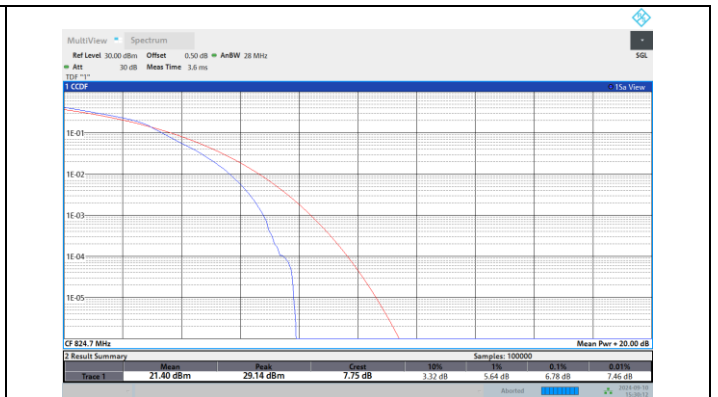


**BUREAU
VERITAS**

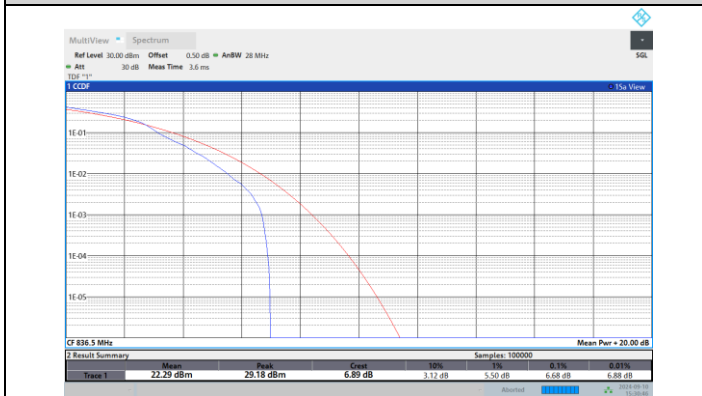
Test Report No.: PSU-NQN2406210109RF01



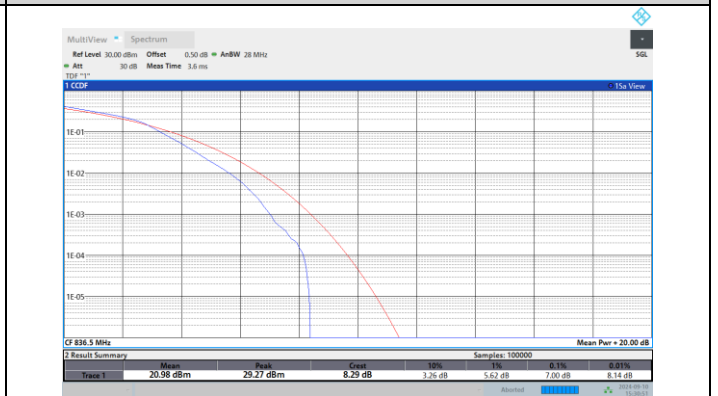
Band5-1.4MHz-16QAM-20525-1RB#0



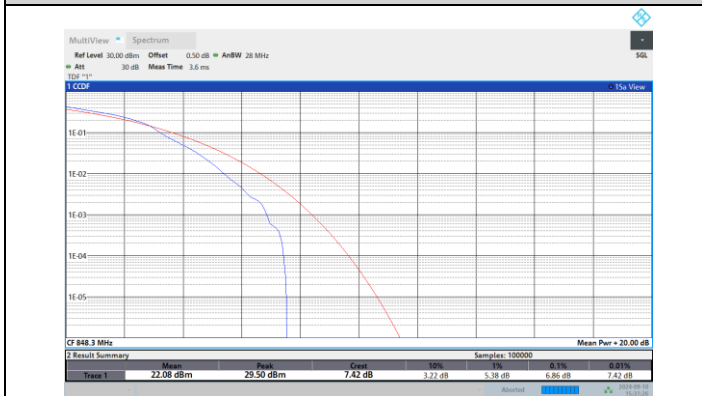
Band5-1.4MHz-16QAM-20525-6RB#0



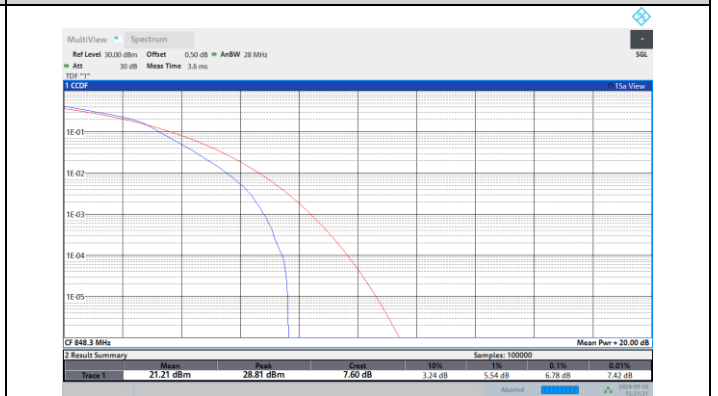
Band5-1.4MHz-16QAM-20643-1RB#0



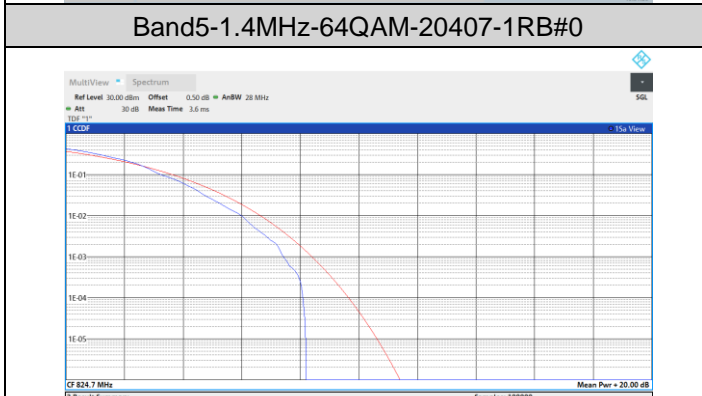
Band5-1.4MHz-16QAM-20643-6RB#0



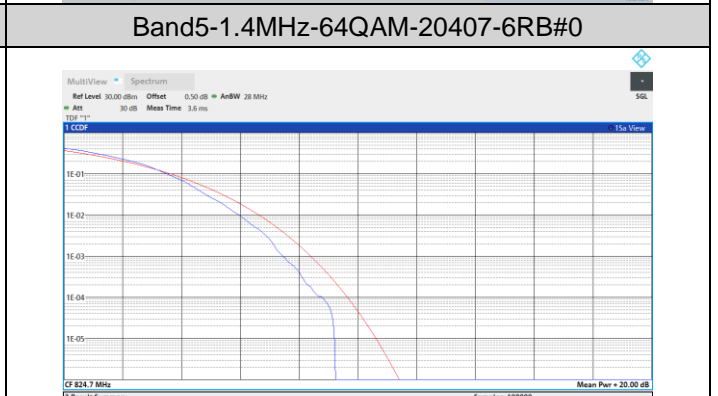
Band5-1.4MHz-64QAM-20407-1RB#0



Band5-1.4MHz-64QAM-20407-6RB#0



Band5-1.4MHz-64QAM-20525-1RB#0

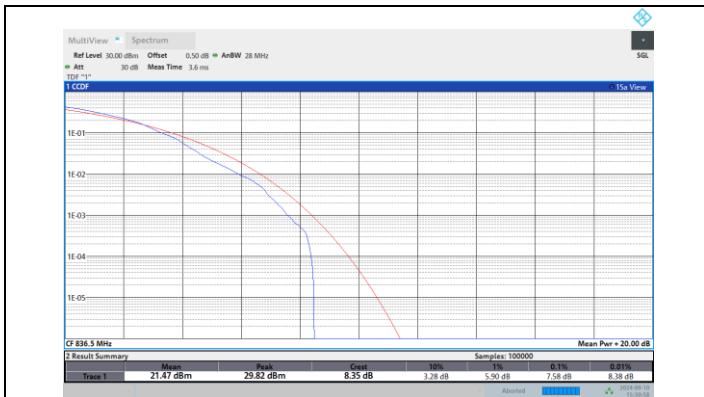


Band5-1.4MHz-64QAM-20525-6RB#0

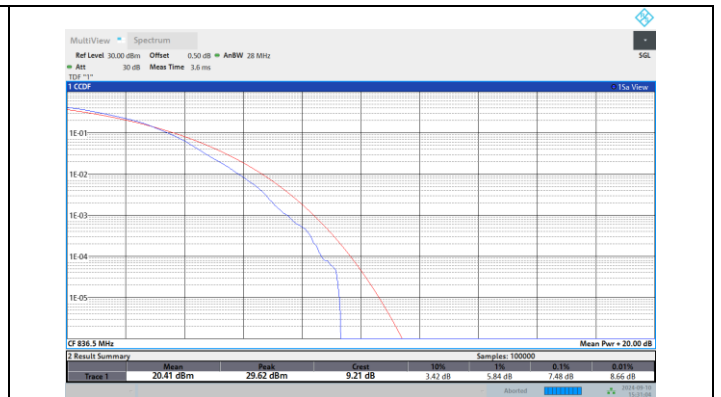


BUREAU VERITAS

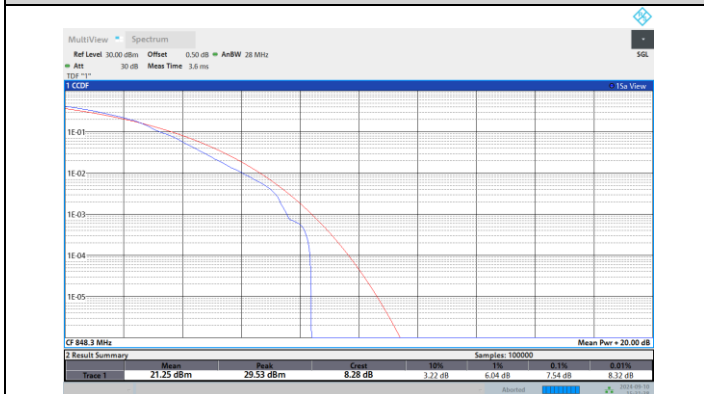
Test Report No.: PSU-NQN2406210109RF01



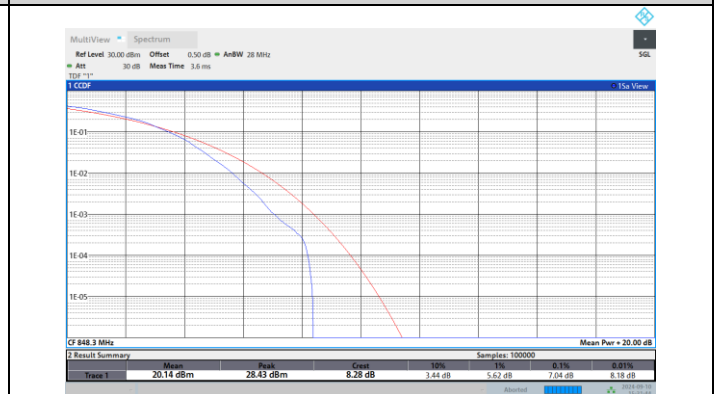
Band5-1.4MHz-64QAM-20643-1RB#0



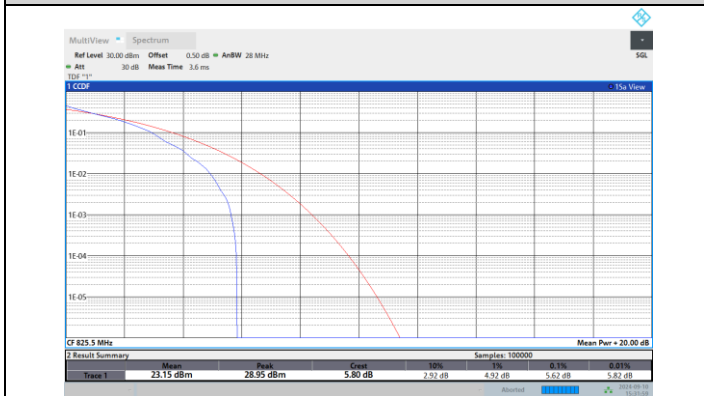
Band5-1.4MHz-64QAM-20643-6RB#0



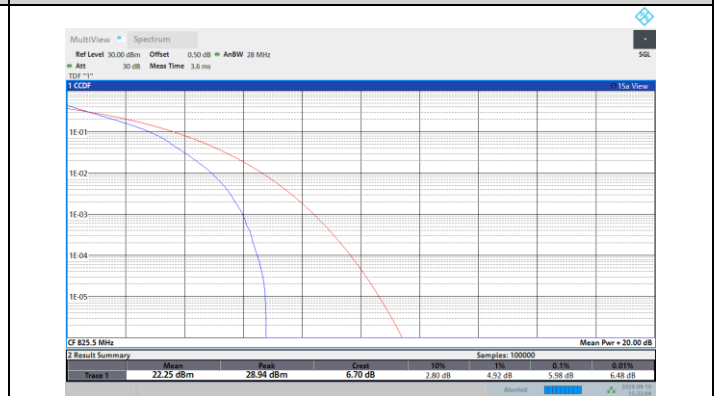
Band5-3MHz-QPSK-20415-1RB#0



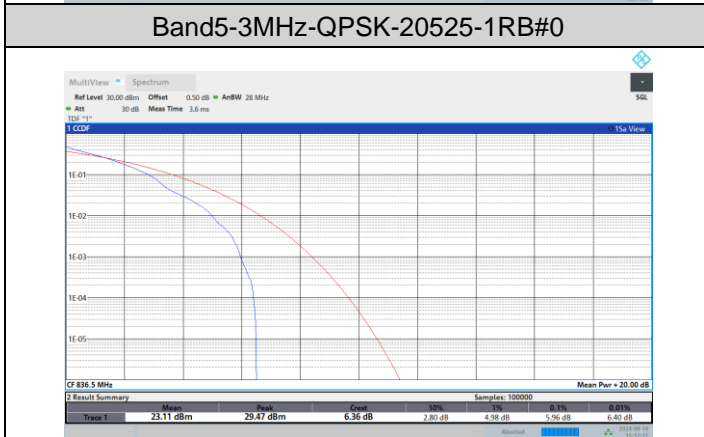
Band5-3MHz-QPSK-20415-6RB#0



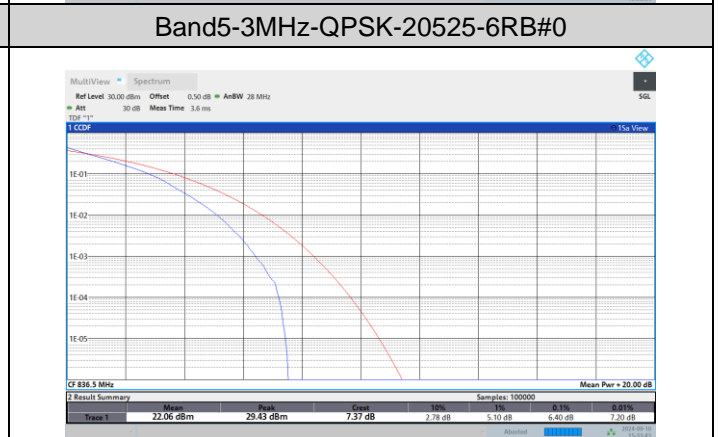
Band5-3MHz-QPSK-20525-1RB#0



Band5-3MHz-QPSK-20525-6RB#0



Band5-3MHz-QPSK-20635-1RB#0

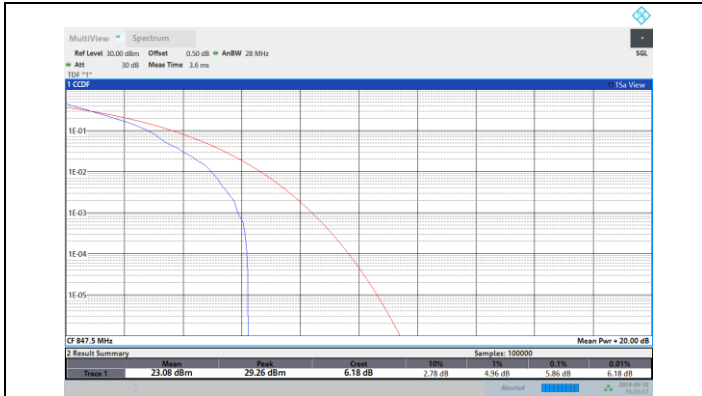


Band5-3MHz-QPSK-20635-6RB#0

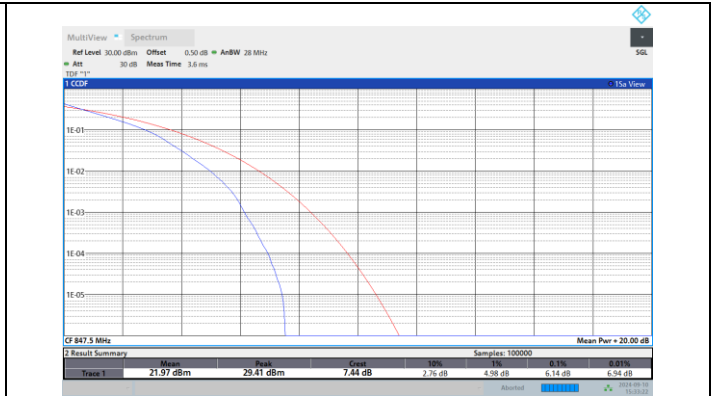


**BUREAU
VERITAS**

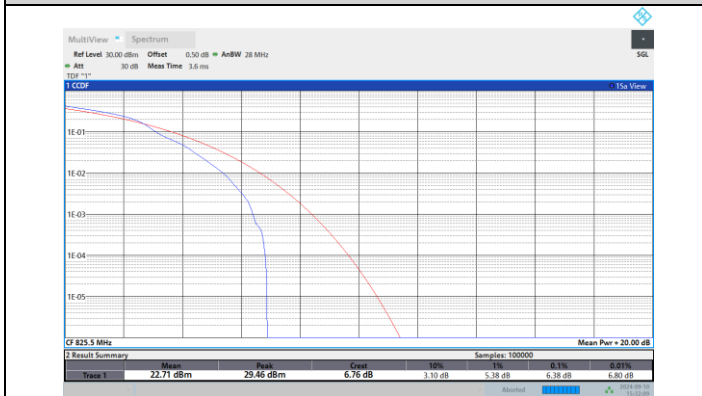
Test Report No.: PSU-NQN2406210109RF01



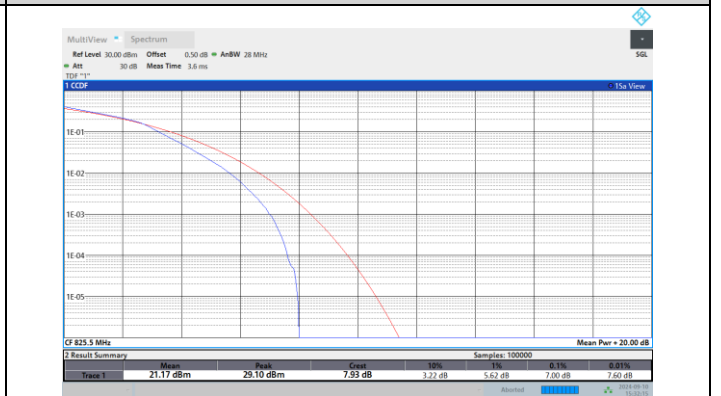
Band5-3MHz-16QAM-20415-1RB#0



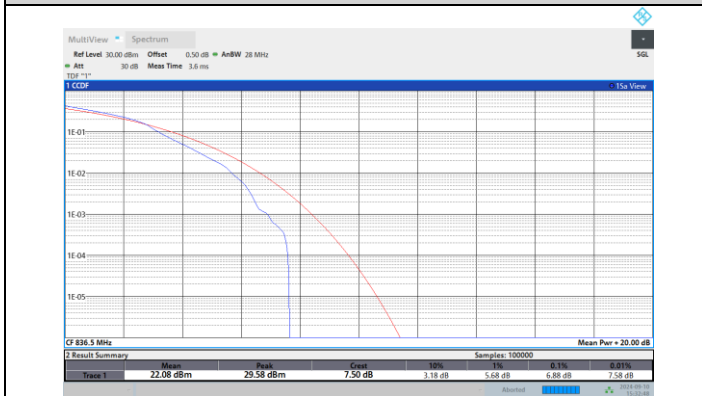
Band5-3MHz-16QAM-20415-6RB#0



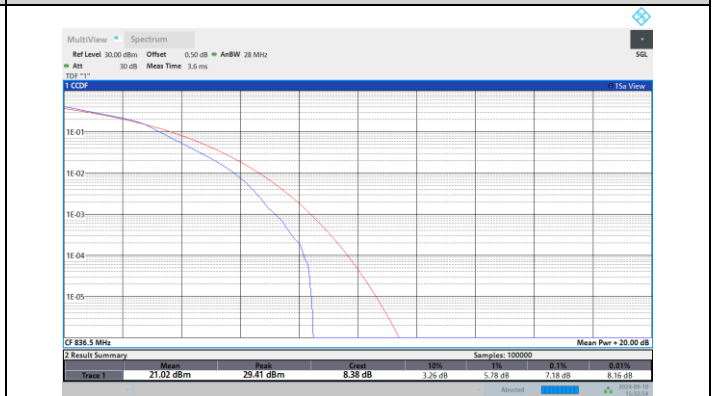
Band5-3MHz-16QAM-20525-1RB#0



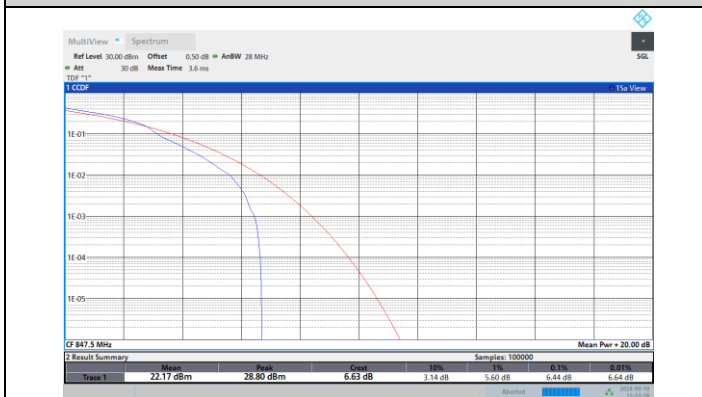
Band5-3MHz-16QAM-20525-6RB#0



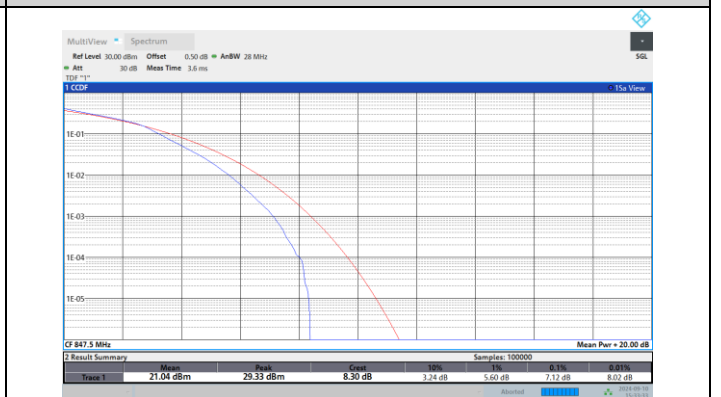
Band5-3MHz-16QAM-20635-1RB#0



Band5-3MHz-16QAM-20635-6RB#0



Band5-3MHz-64QAM-20415-1RB#0

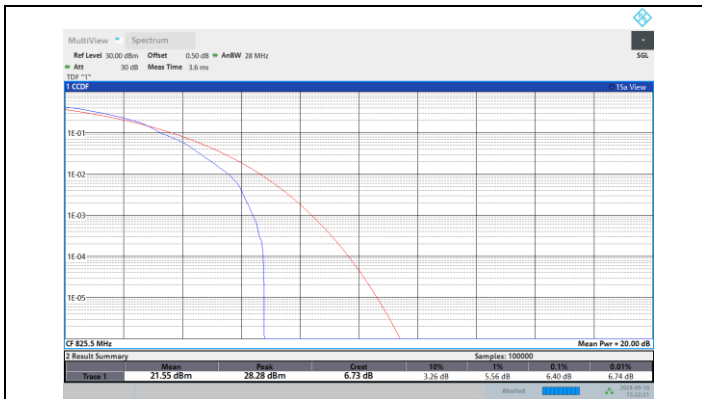


Band5-3MHz-64QAM-20415-6RB#0

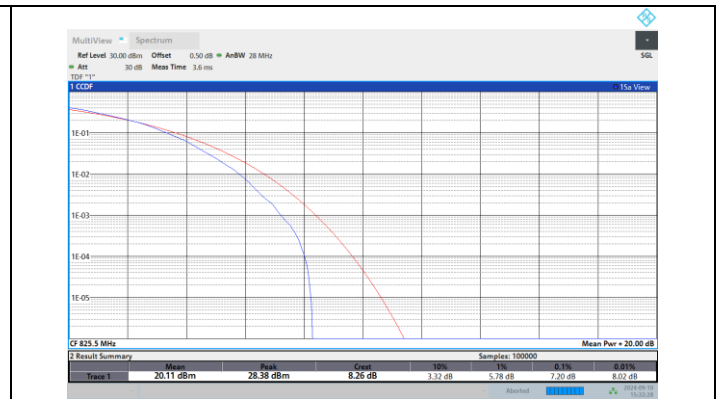


**BUREAU
VERITAS**

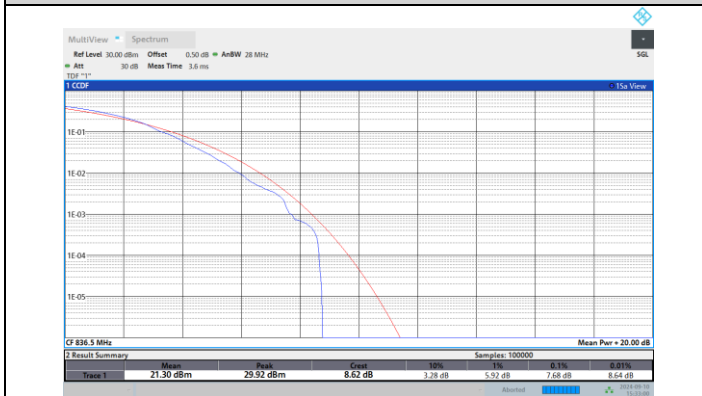
Test Report No.: PSU-NQN2406210109RF01



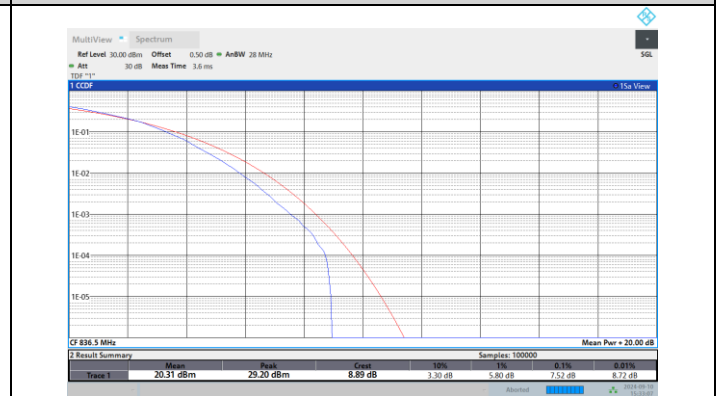
Band5-3MHz-64QAM-20525-1RB#0



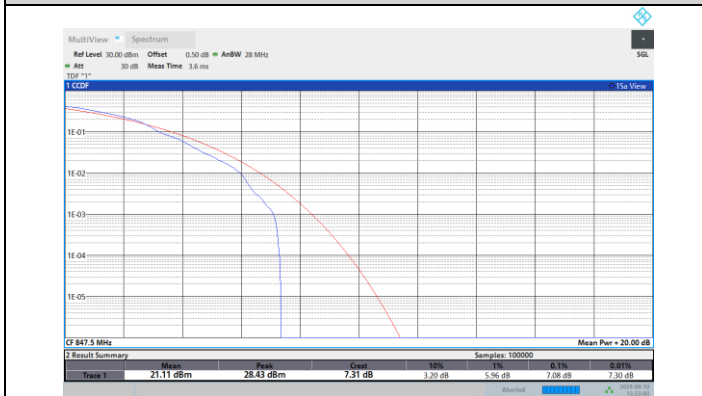
Band5-3MHz-64QAM-20525-6RB#0



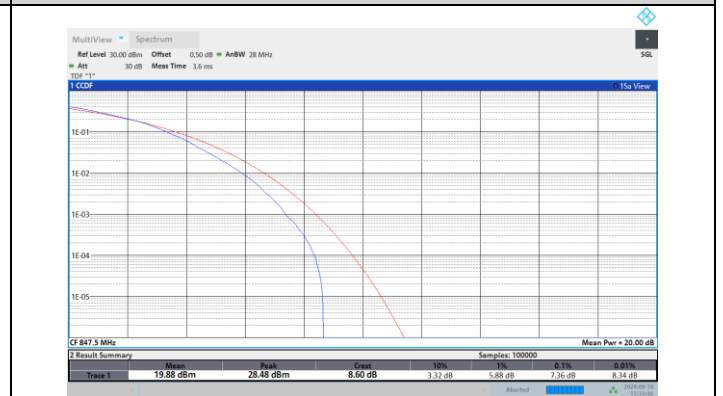
Band5-3MHz-64QAM-20635-1RB#0



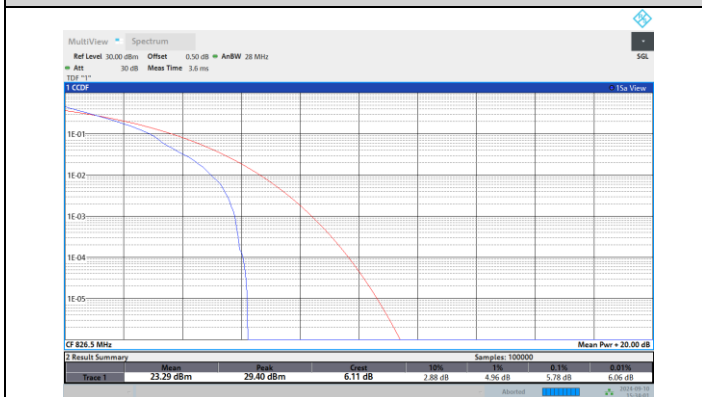
Band5-3MHz-64QAM-20635-6RB#0



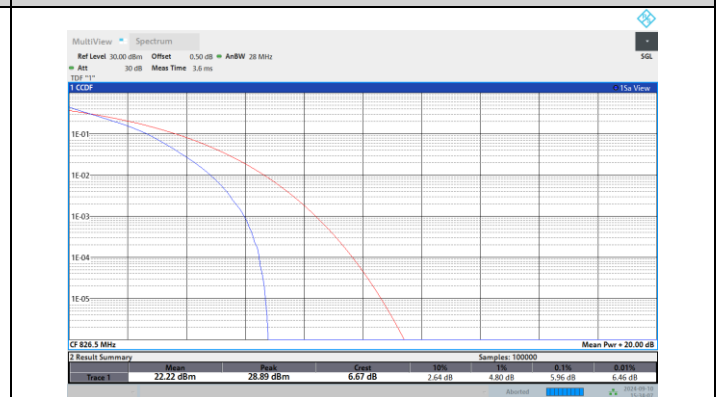
Band5-5MHz-QPSK-20425-1RB#0



Band5-5MHz-QPSK-20425-6RB#0



Band5-5MHz-QPSK-20525-1RB#0

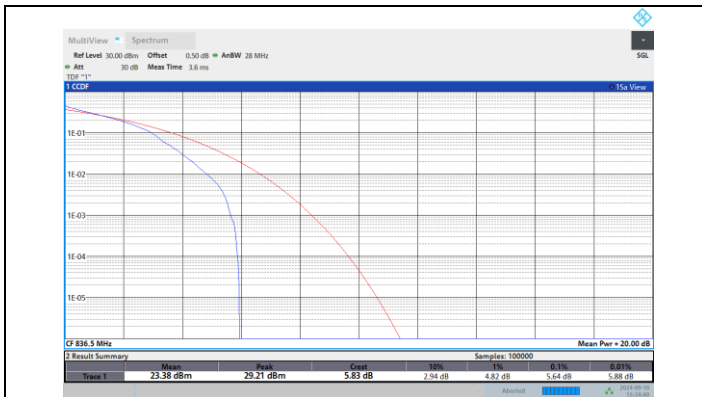


Band5-5MHz-QPSK-20525-6RB#0

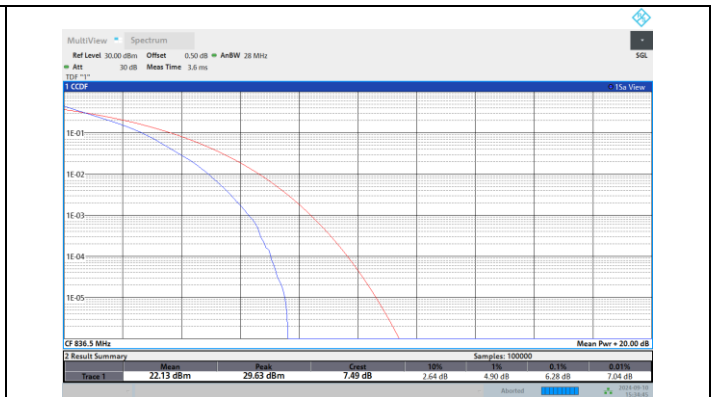


**BUREAU
VERITAS**

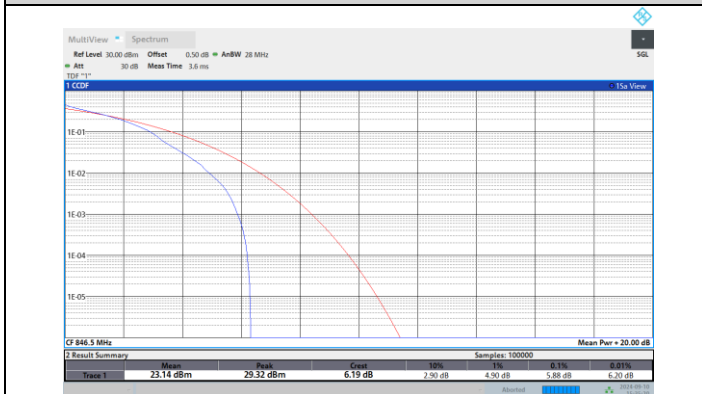
Test Report No.: PSU-NQN2406210109RF01



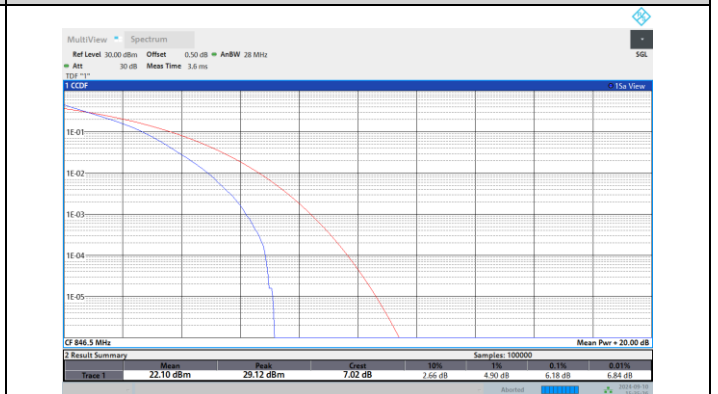
Band5-5MHz-QPSK-20625-1RB#0



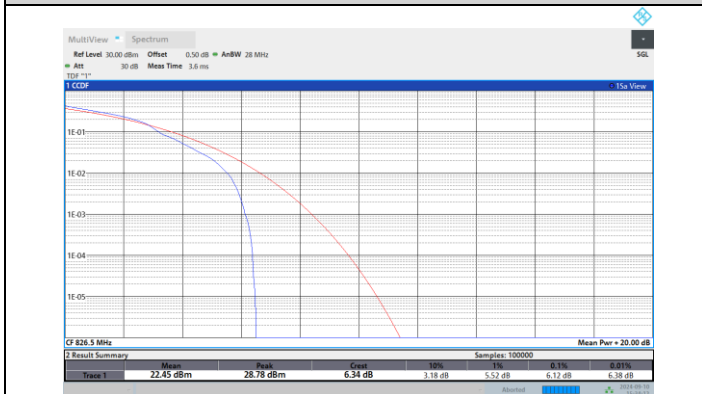
Band5-5MHz-QPSK-20625-6RB#0



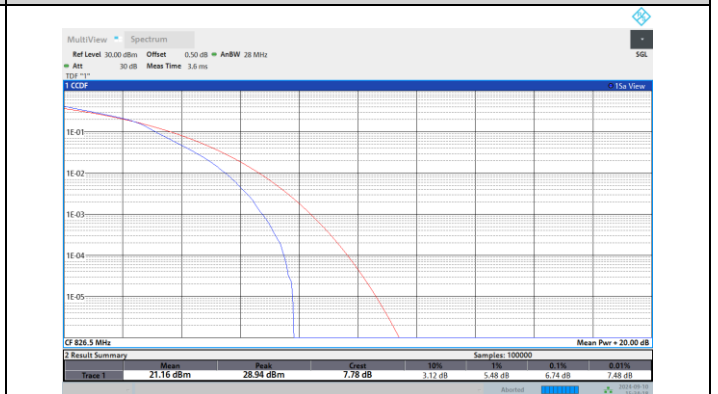
Band5-5MHz-16QAM-20425-1RB#0



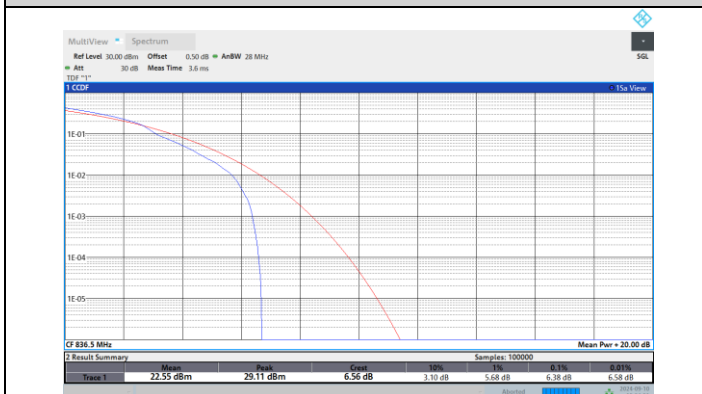
Band5-5MHz-16QAM-20425-6RB#0



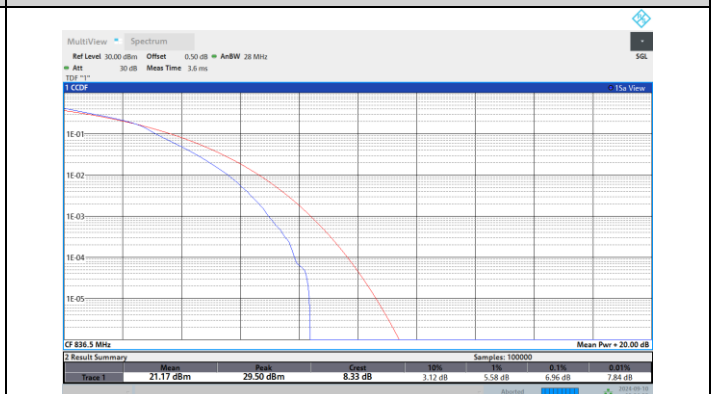
Band5-5MHz-16QAM-20525-1RB#0



Band5-5MHz-16QAM-20525-6RB#0



Band5-5MHz-16QAM-20625-1RB#0

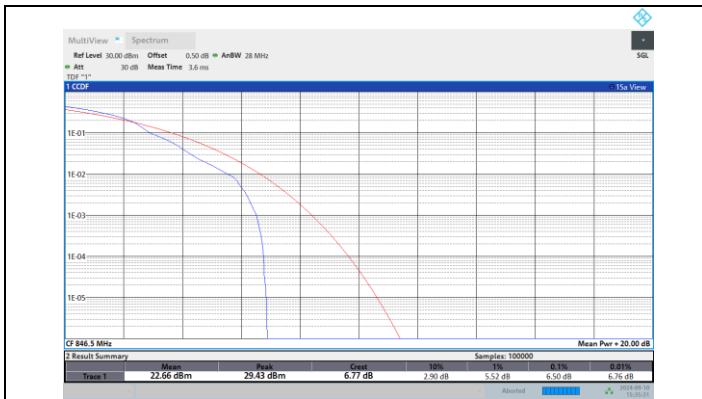


Band5-5MHz-16QAM-20625-6RB#0

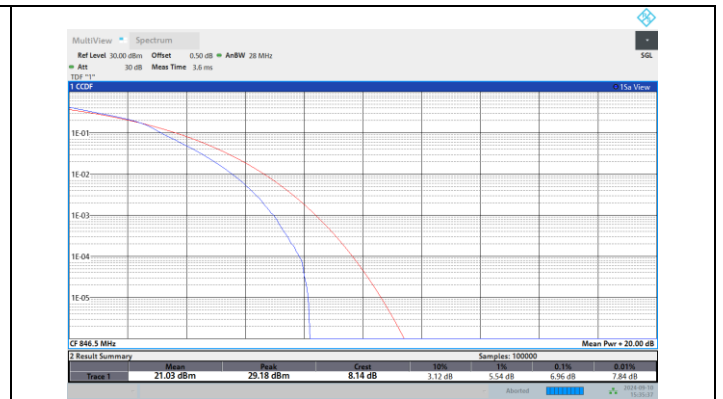


**BUREAU
VERITAS**

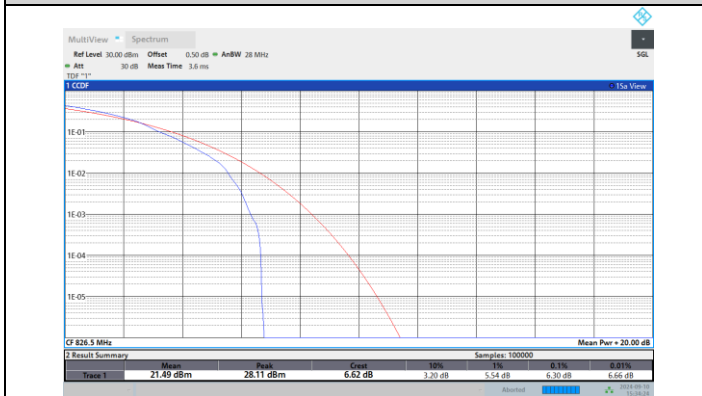
Test Report No.: PSU-NQN2406210109RF01



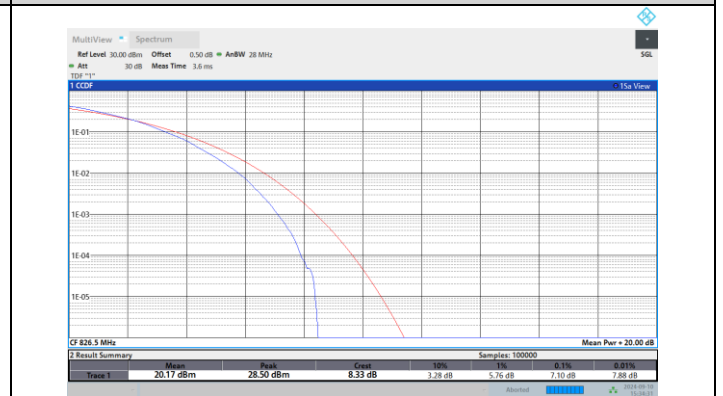
Band5-5MHz-64QAM-20425-1RB#0



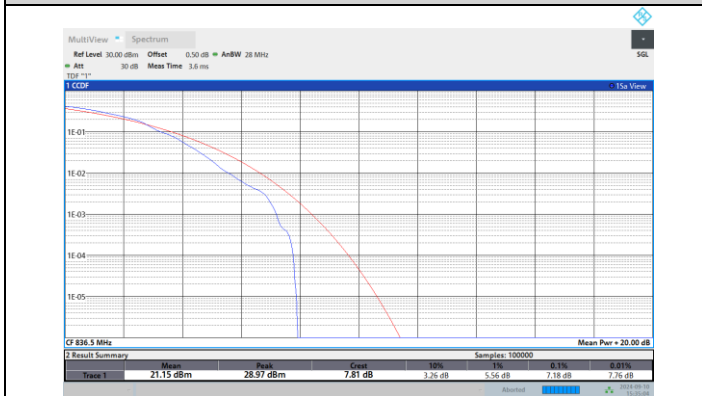
Band5-5MHz-64QAM-20425-6RB#0



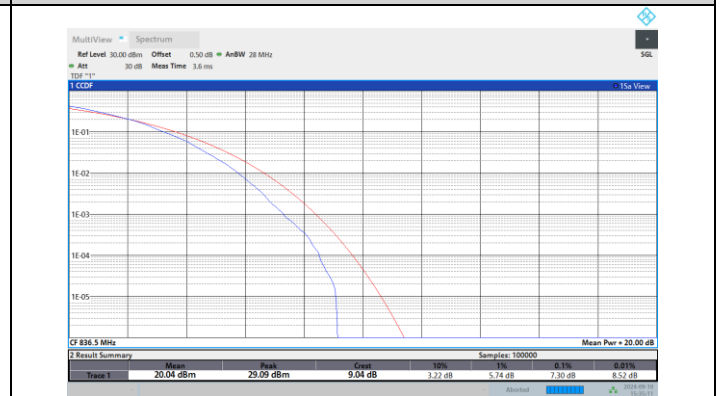
Band5-5MHz-64QAM-20525-1RB#0



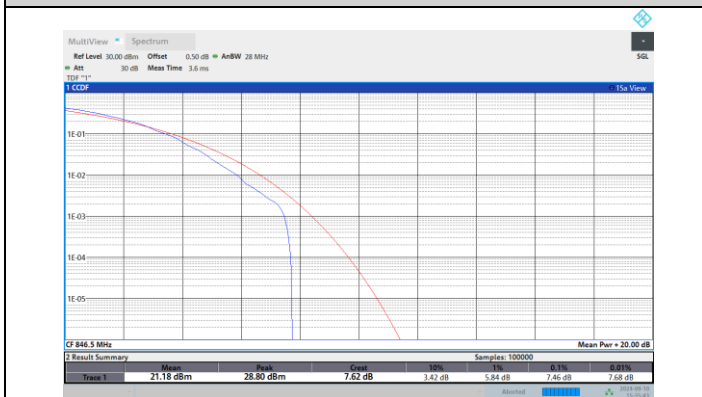
Band5-5MHz-64QAM-20525-6RB#0



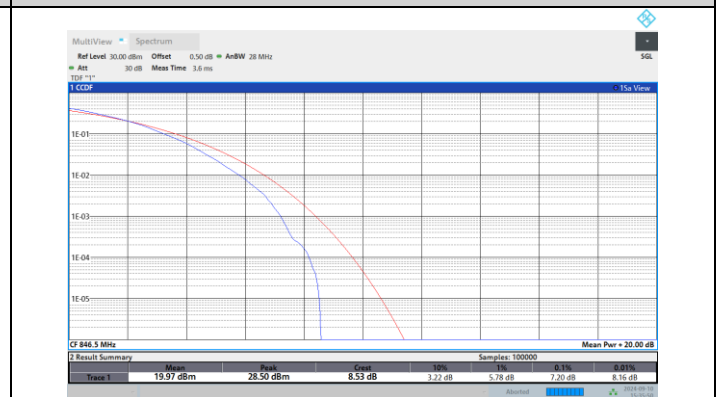
Band5-5MHz-64QAM-20625-1RB#0



Band5-5MHz-64QAM-20625-6RB#0



Band5-10MHz-QPSK-20450-1RB#0

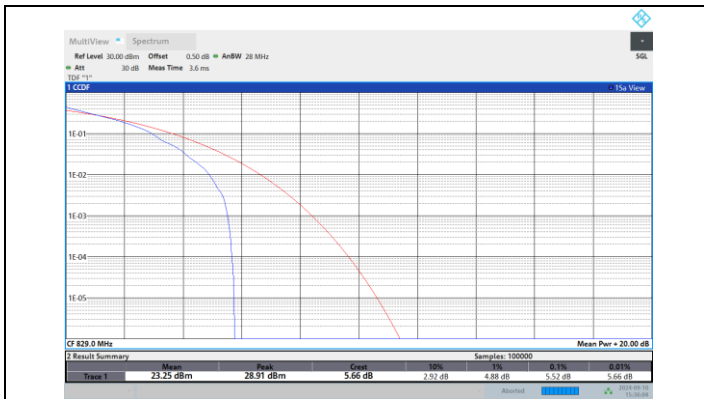


Band5-10MHz-QPSK-20450-6RB#0

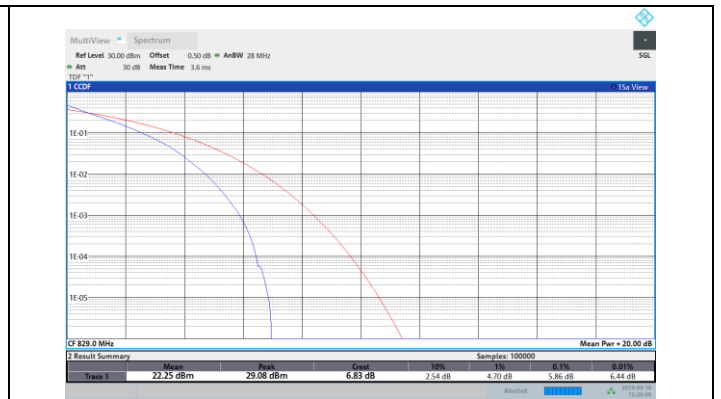


**BUREAU
VERITAS**

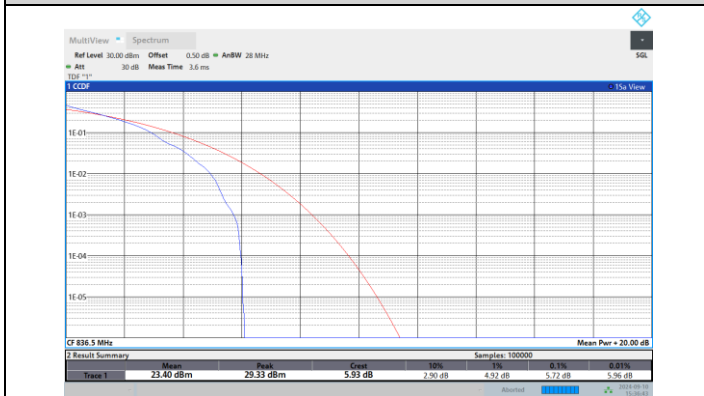
Test Report No.: PSU-NQN2406210109RF01



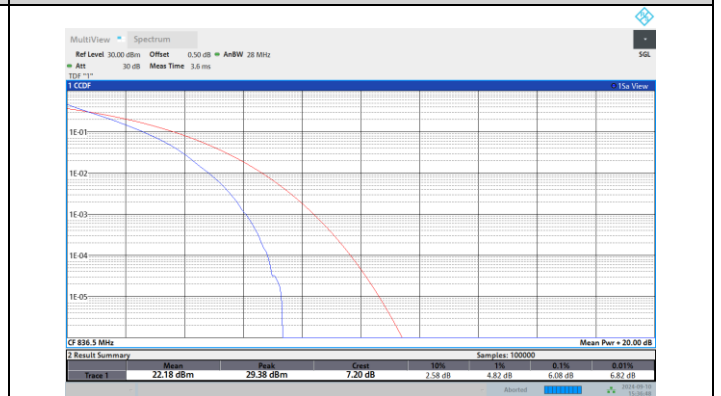
Band5-10MHz-QPSK-20525-1RB#0



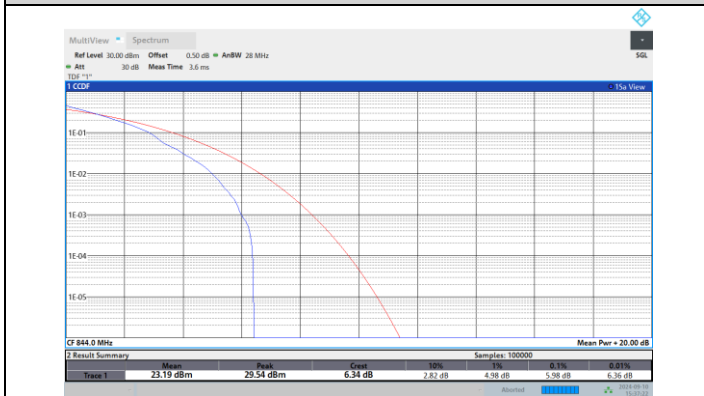
Band5-10MHz-QPSK-20525-6RB#0



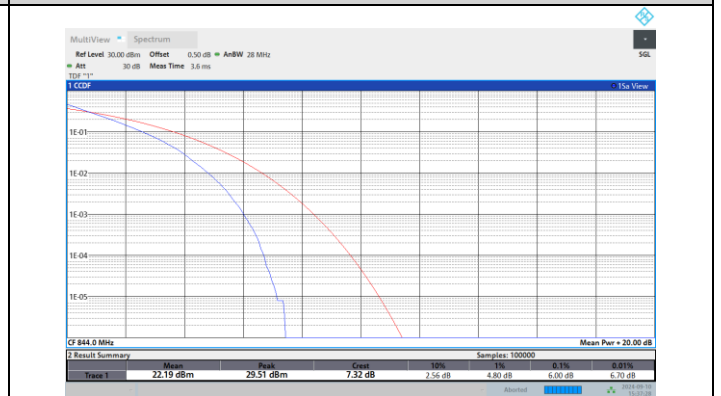
Band5-10MHz-QPSK-20600-1RB#0



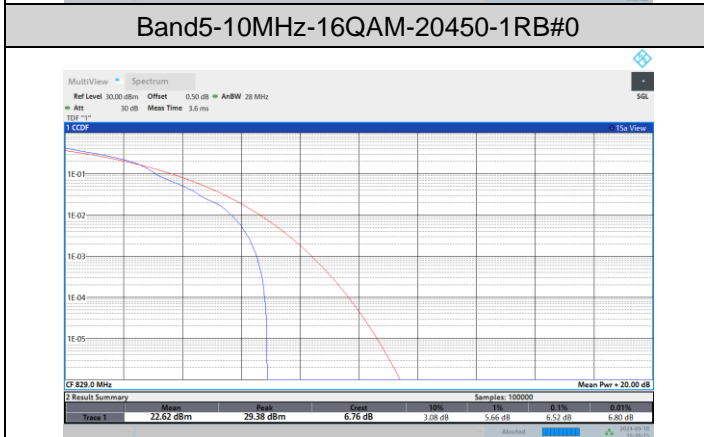
Band5-10MHz-QPSK-20600-6RB#0



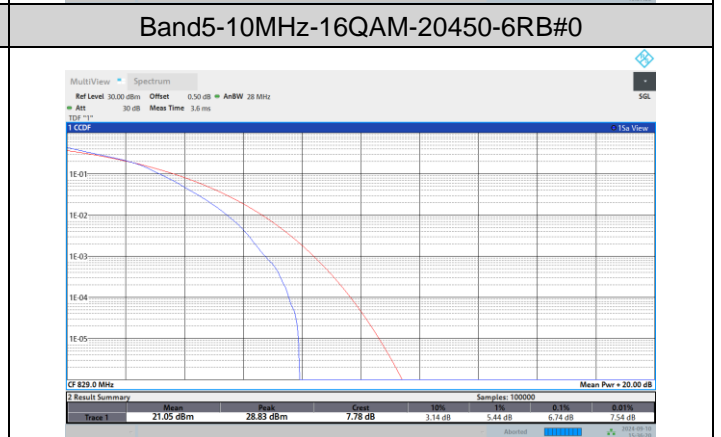
Band5-10MHz-16QAM-20450-1RB#0



Band5-10MHz-16QAM-20450-6RB#0



Band5-10MHz-16QAM-20525-1RB#0

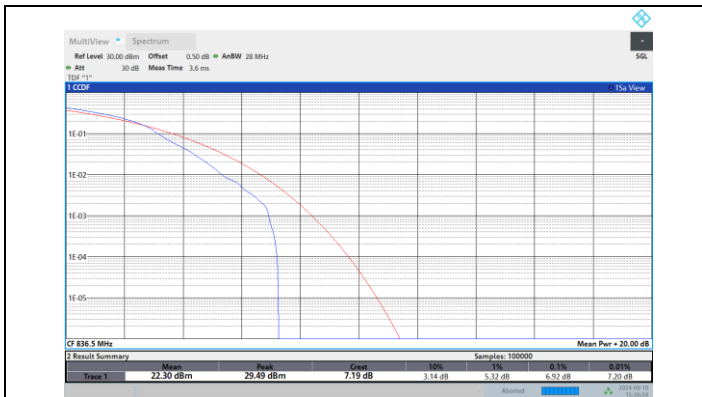


Band5-10MHz-16QAM-20525-6RB#0

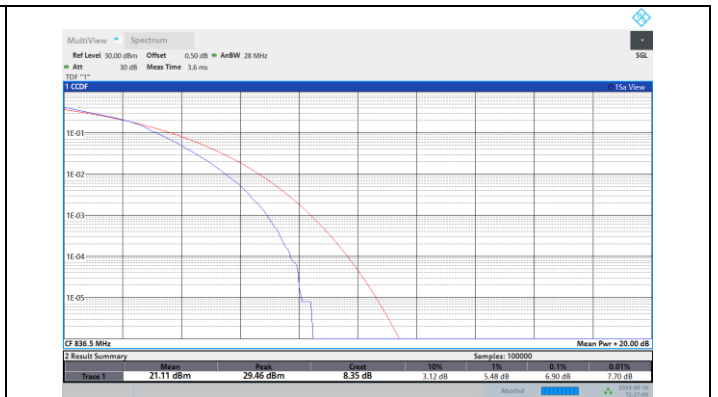


**BUREAU
VERITAS**

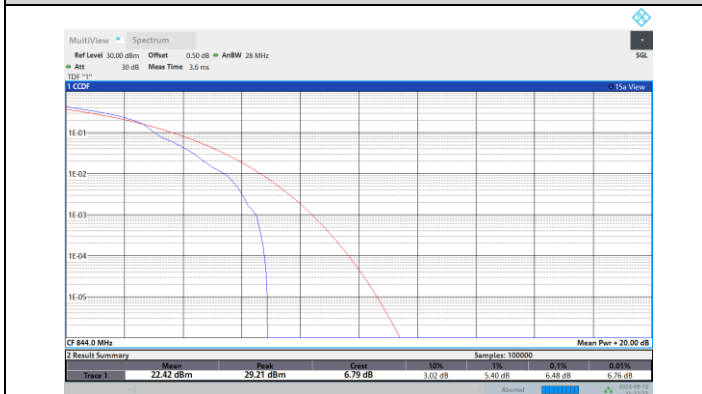
Test Report No.: PSU-NQN2406210109RF01



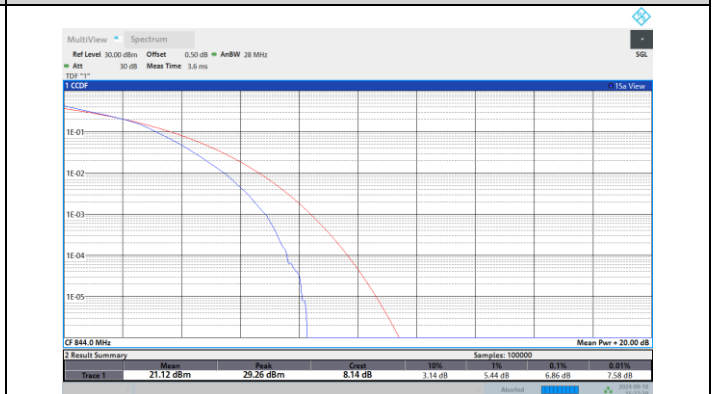
Band5-10MHz-16QAM-20600-1RB#0



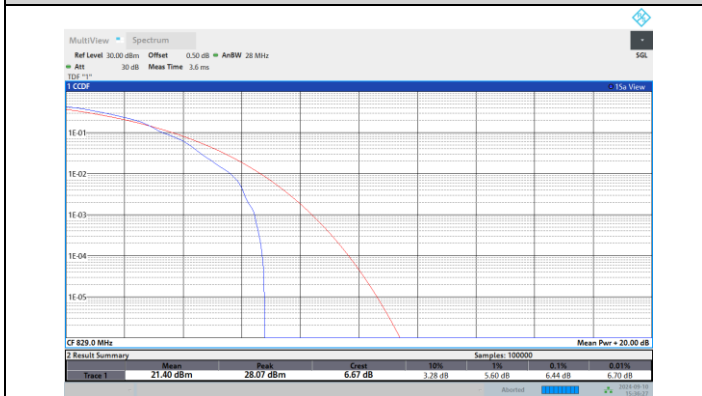
Band5-10MHz-16QAM-20600-6RB#0



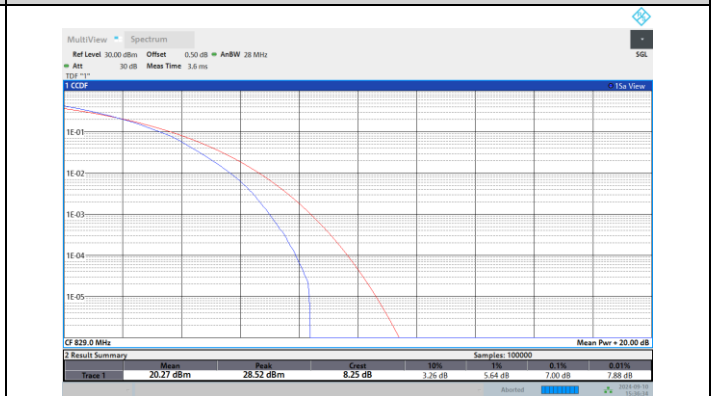
Band5-10MHz-64QAM-20450-1RB#0



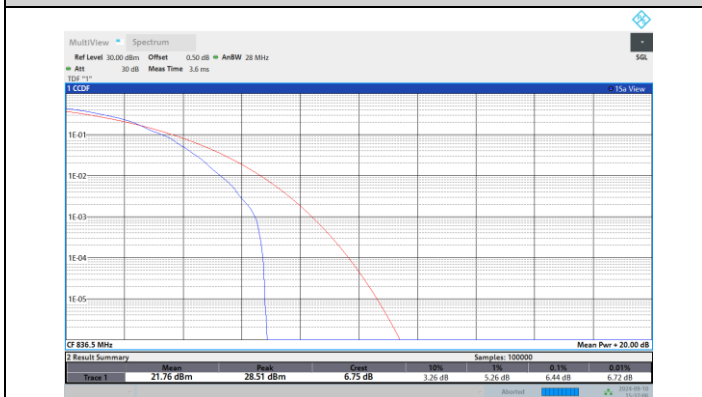
Band5-10MHz-64QAM-20450-6RB#0



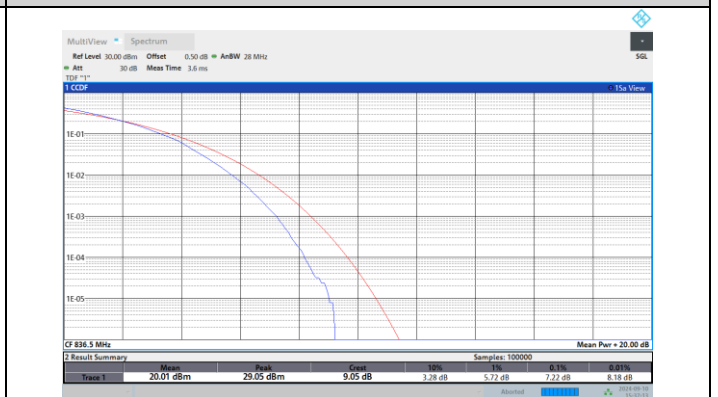
Band5-10MHz-64QAM-20525-1RB#0



Band5-10MHz-64QAM-20525-6RB#0



Band5-10MHz-64QAM-20600-1RB#0

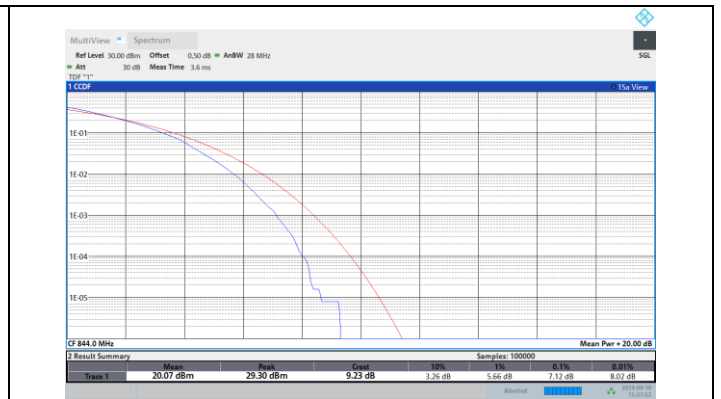
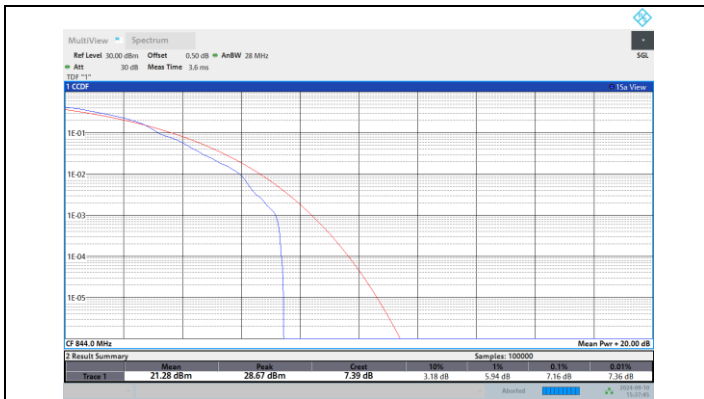


Band5-10MHz-64QAM-20600-6RB#0



**BUREAU
VERITAS**

Test Report No.: PSU-NQN2406210109RF01





26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.087	1.28	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.094	1.30	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.095	1.27	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.094	1.29	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.088	1.27	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.090	1.29	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.086	1.28	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.098	1.33	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.087	1.26	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.696	2.93	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.695	2.94	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.690	2.96	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.692	2.97	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.691	2.96	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.688	2.94	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.695	2.96	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.689	2.93	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.693	2.95	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.491	4.92	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.487	4.92	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.478	4.88	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.481	4.87	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.495	4.93	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.487	4.97	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.481	4.92	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.491	4.95	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.479	4.90	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.962	9.74	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.947	9.74	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.942	9.80	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.946	9.77	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.960	9.71	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.949	9.74	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.939	9.71	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.956	9.71	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.948	9.68	PASS

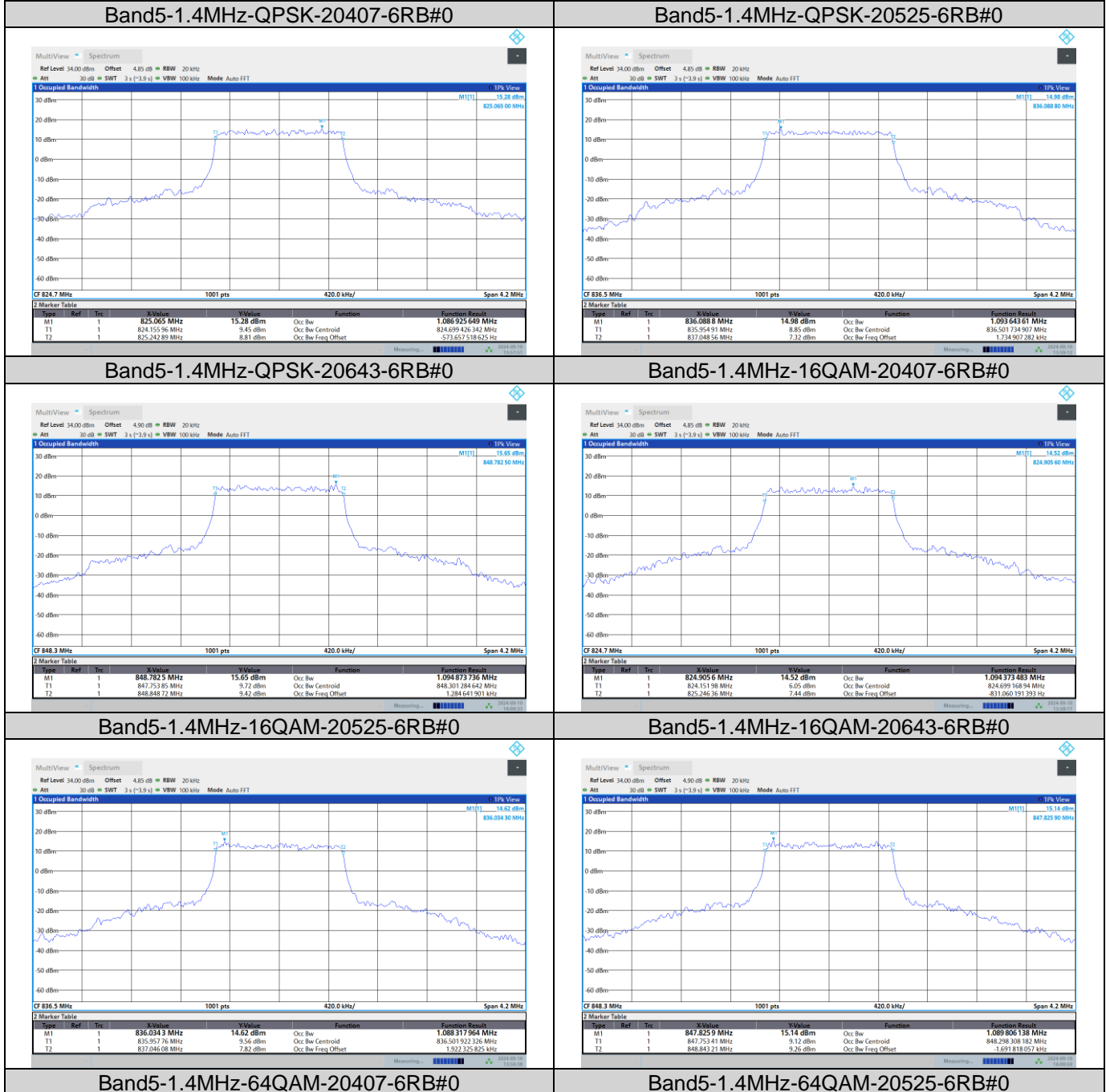


BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF01

Test Graphs

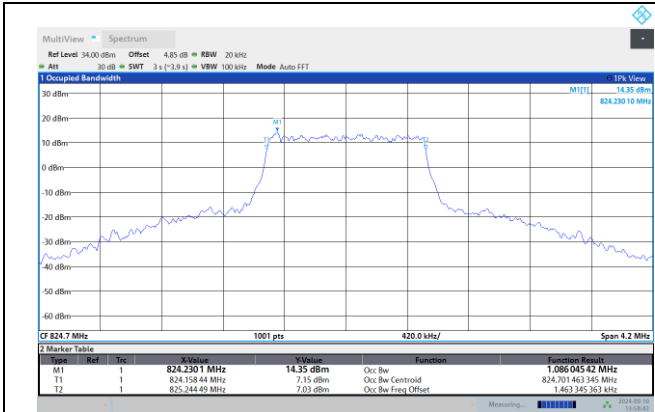
Occupied Bandwidth



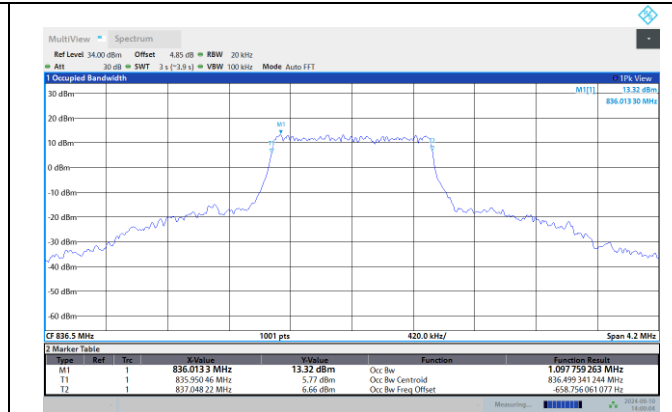


BUREAU VERITAS

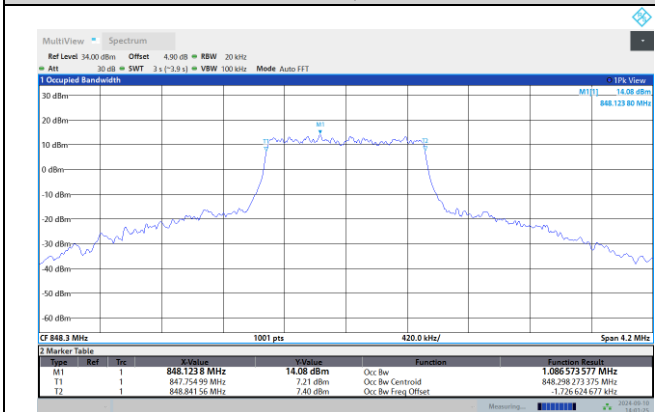
Test Report No.: PSU-NQN2406210109RF01



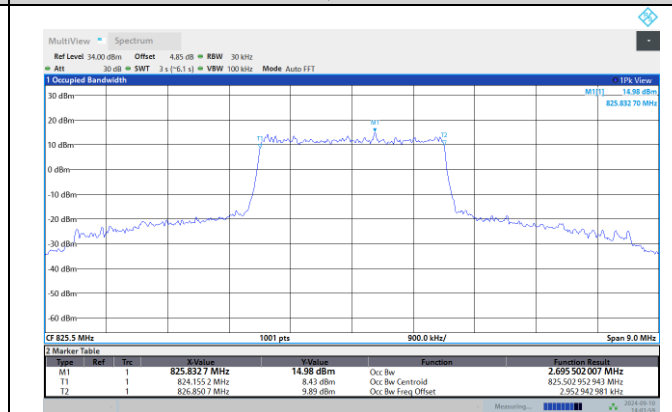
Band5-1.4MHz-64QAM-20643-6RB#0



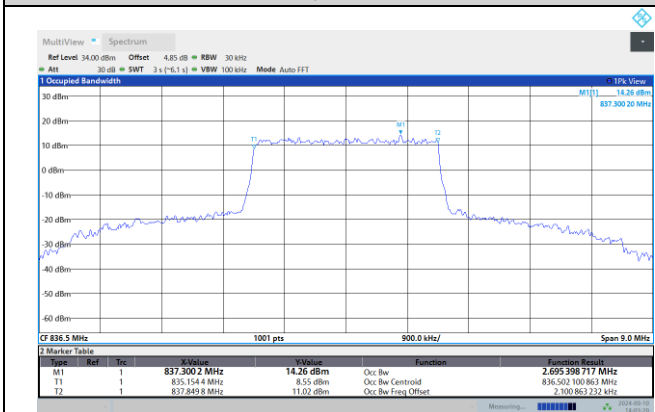
Band5-3MHz-QPSK-20415-15RB#



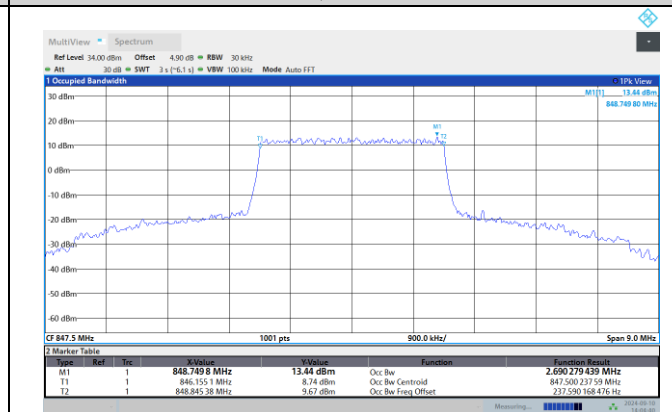
Band5-3MHz-QPSK-20525-15RB#0



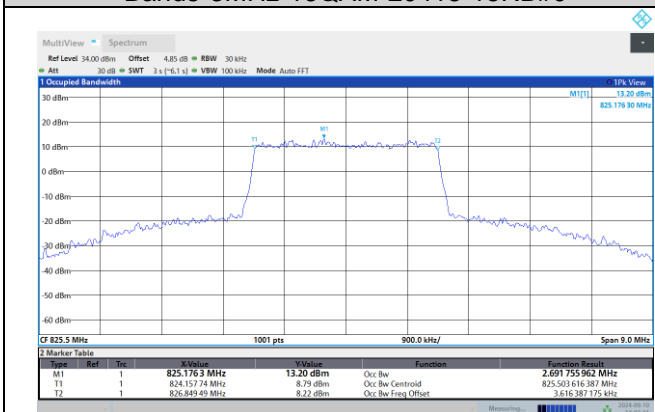
Band5-3MHz-QPSK-20635-15RB#0



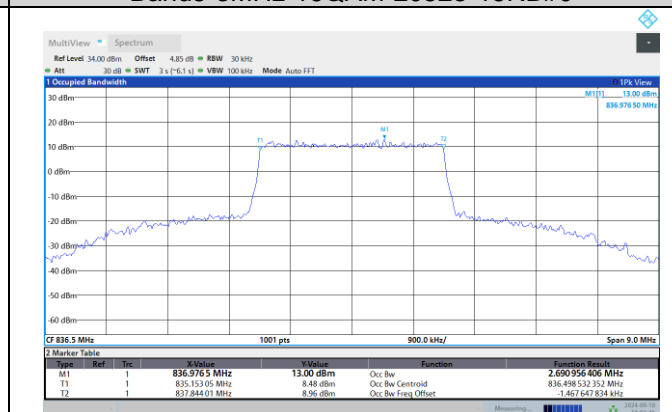
Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20525-15RB#0



Band5-3MHz-16QAM-20635-15RB#0

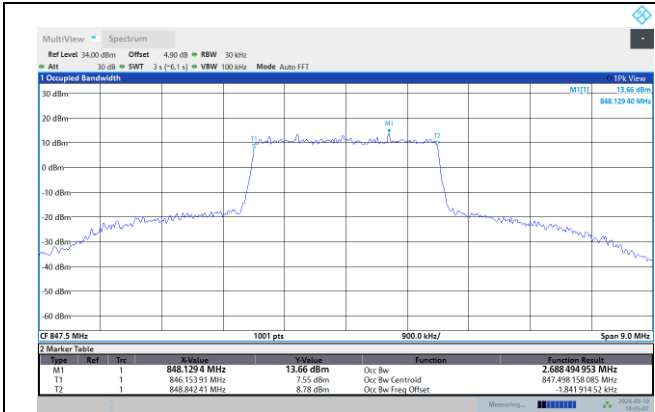


Band5-3MHz-64QAM-20415-15RB#0

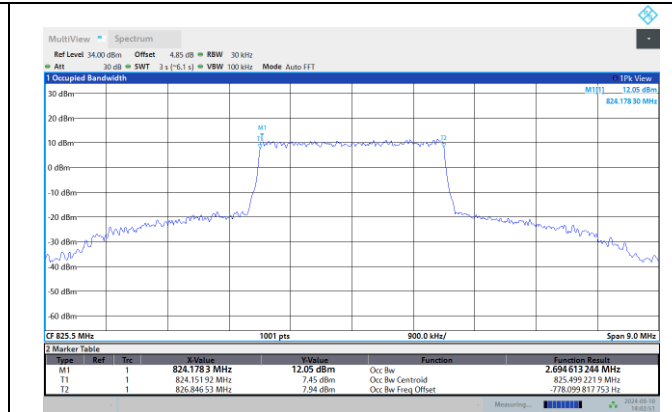


BUREAU VERITAS

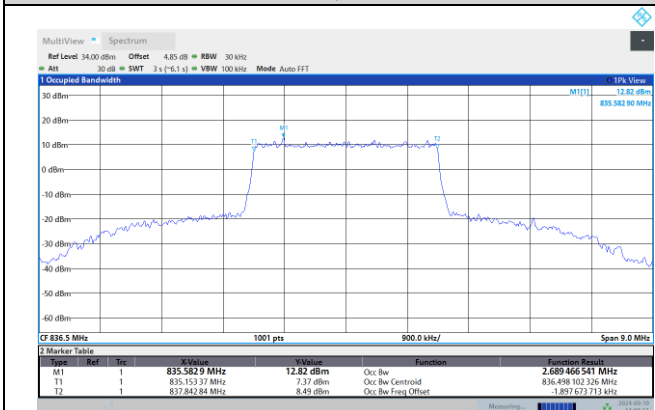
Test Report No.: PSU-NQN2406210109RF01



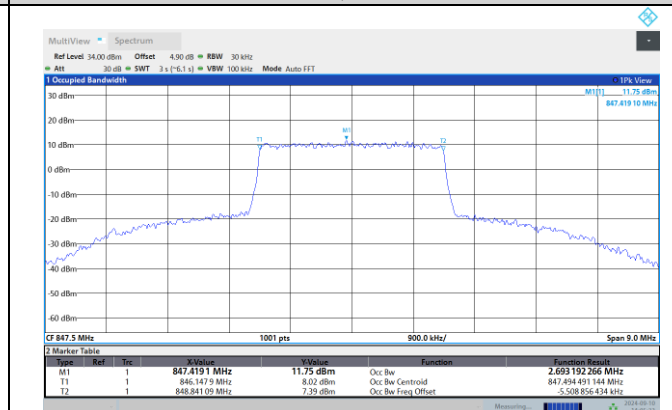
Band5-3MHz-64QAM-20525-15RB#0



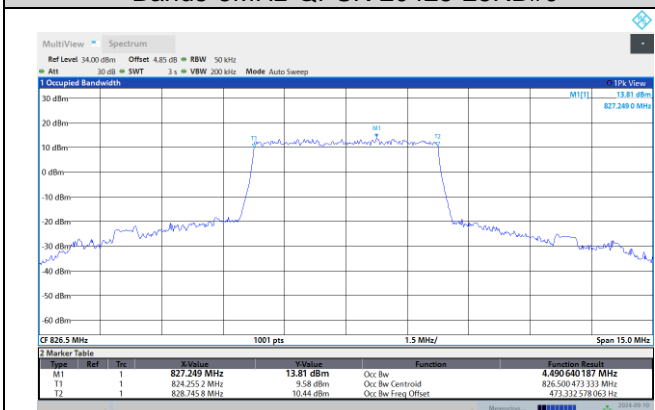
Band5-3MHz-64QAM-20635-15RB#0



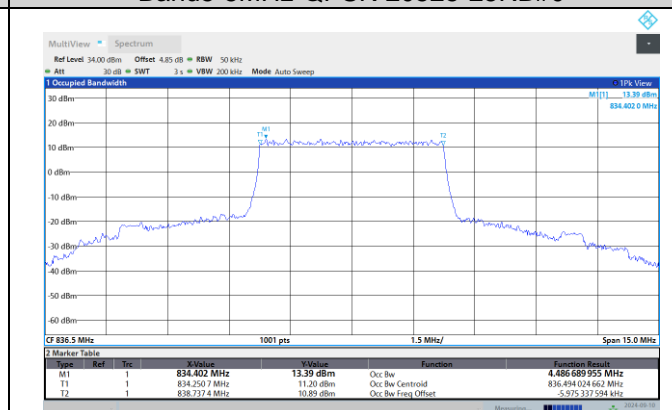
Band5-5MHz-QPSK-20425-25RB#0



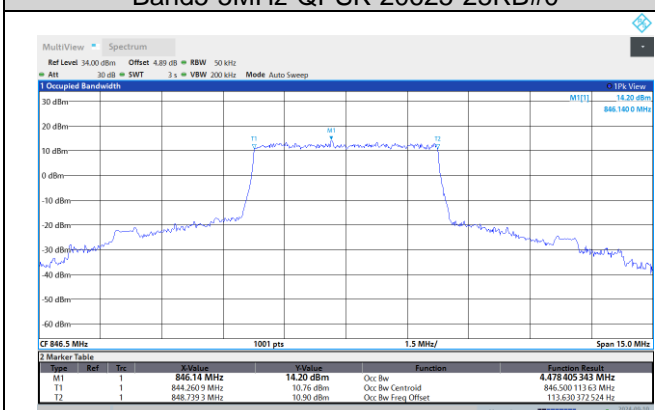
Band5-5MHz-QPSK-20525-25RB#0



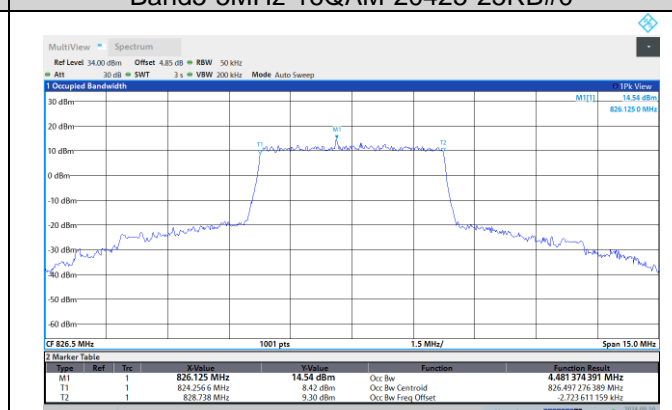
Band5-5MHz-QPSK-20625-25RB#0



Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20525-25RB#0



Band5-5MHz-16QAM-20625-25RB#0