



Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	30~1000	-54.38	PASS
Band71	5MHz	QPSK	133147	1RB#0	1000~3000	-44.44	PASS
Band71	5MHz	QPSK	133147	1RB#0	3000~10000	-40.84	PASS
Band71	5MHz	QPSK	133297	1RB#0	30~1000	-53.93	PASS
Band71	5MHz	QPSK	133297	1RB#0	1000~3000	-46.35	PASS
Band71	5MHz	QPSK	133297	1RB#0	3000~10000	-42.42	PASS
Band71	5MHz	QPSK	133447	1RB#0	30~1000	-54.15	PASS
Band71	5MHz	QPSK	133447	1RB#0	1000~3000	-47.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	3000~10000	-41.82	PASS
Band71	10MHz	QPSK	133172	1RB#0	30~1000	-54.08	PASS
Band71	10MHz	QPSK	133172	1RB#0	1000~3000	-44.63	PASS
Band71	10MHz	QPSK	133172	1RB#0	3000~10000	-42.07	PASS
Band71	10MHz	QPSK	133297	1RB#0	30~1000	-54.20	PASS
Band71	10MHz	QPSK	133297	1RB#0	1000~3000	-46.18	PASS
Band71	10MHz	QPSK	133297	1RB#0	3000~10000	-42.17	PASS
Band71	10MHz	QPSK	133422	1RB#0	30~1000	-53.78	PASS
Band71	10MHz	QPSK	133422	1RB#0	1000~3000	-46.62	PASS
Band71	10MHz	QPSK	133422	1RB#0	3000~10000	-42.54	PASS
Band71	15MHz	QPSK	133197	1RB#0	30~1000	-53.96	PASS
Band71	15MHz	QPSK	133197	1RB#0	1000~3000	-44.26	PASS
Band71	15MHz	QPSK	133197	1RB#0	3000~10000	-42.01	PASS
Band71	15MHz	QPSK	133297	1RB#0	30~1000	-53.88	PASS
Band71	15MHz	QPSK	133297	1RB#0	1000~3000	-45.14	PASS
Band71	15MHz	QPSK	133297	1RB#0	3000~10000	-42.13	PASS
Band71	15MHz	QPSK	133397	1RB#0	30~1000	-53.74	PASS
Band71	15MHz	QPSK	133397	1RB#0	1000~3000	-45.55	PASS
Band71	15MHz	QPSK	133397	1RB#0	3000~10000	-41.70	PASS
Band71	20MHz	QPSK	133222	1RB#0	30~1000	-42.99	PASS
Band71	20MHz	QPSK	133222	1RB#0	1000~3000	-40.88	PASS
Band71	20MHz	QPSK	133222	1RB#0	3000~10000	-38.10	PASS
Band71	20MHz	QPSK	133322	1RB#0	30~1000	-42.34	PASS
Band71	20MHz	QPSK	133322	1RB#0	1000~3000	-39.78	PASS
Band71	20MHz	QPSK	133322	1RB#0	3000~10000	-38.02	PASS
Band71	20MHz	QPSK	133372	1RB#0	30~1000	-42.15	PASS
Band71	20MHz	QPSK	133372	1RB#0	1000~3000	-38.98	PASS
Band71	20MHz	QPSK	133372	1RB#0	3000~10000	-38.32	PASS

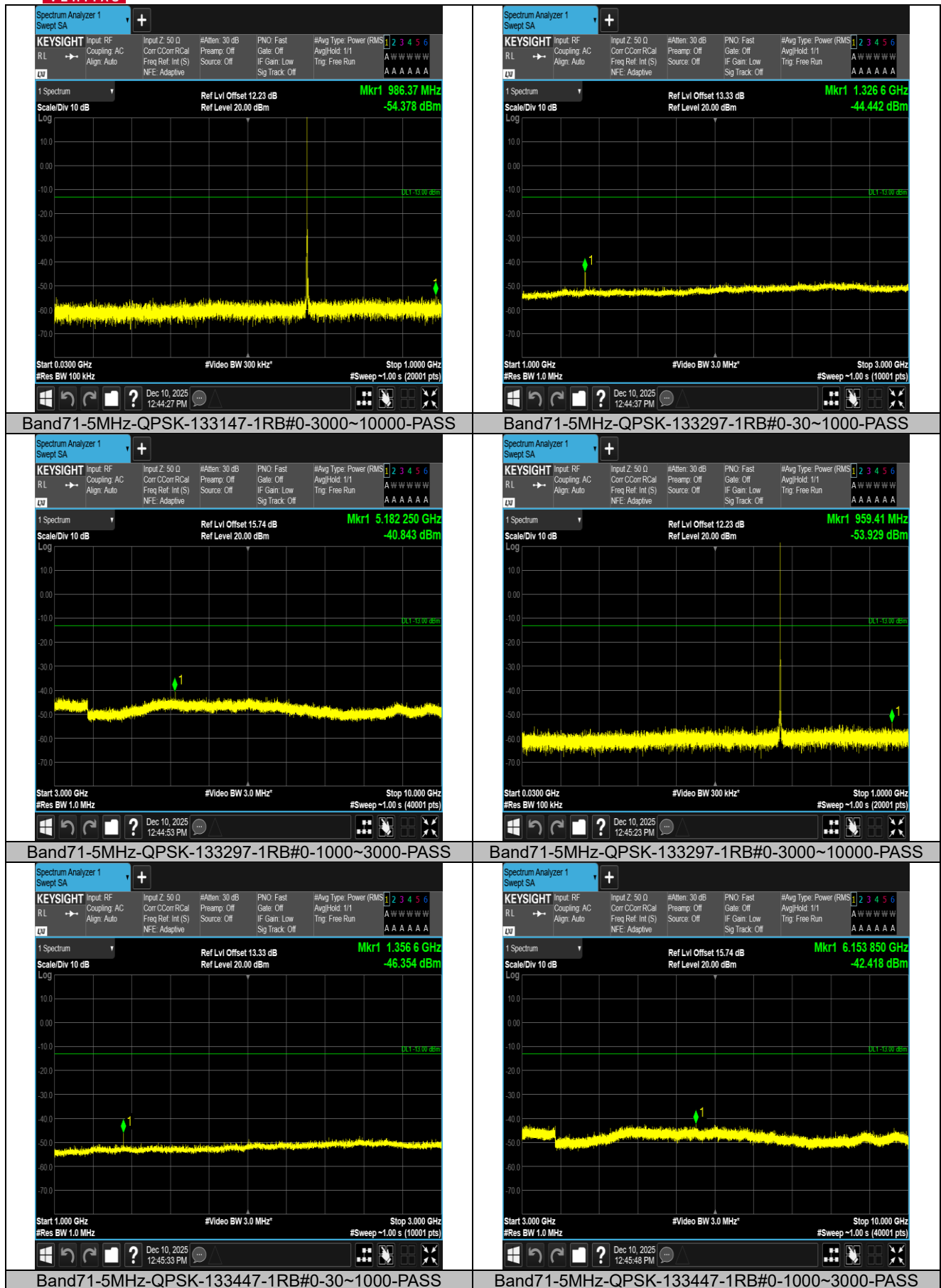
Test Graphs

Band71-5MHz-QPSK-133147-1RB#0-30~1000-PASS	Band71-5MHz-QPSK-133147-1RB#0-1000~3000-PASS
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VERITAS

Test Report No.: PSU-QBJ2512030110RF03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

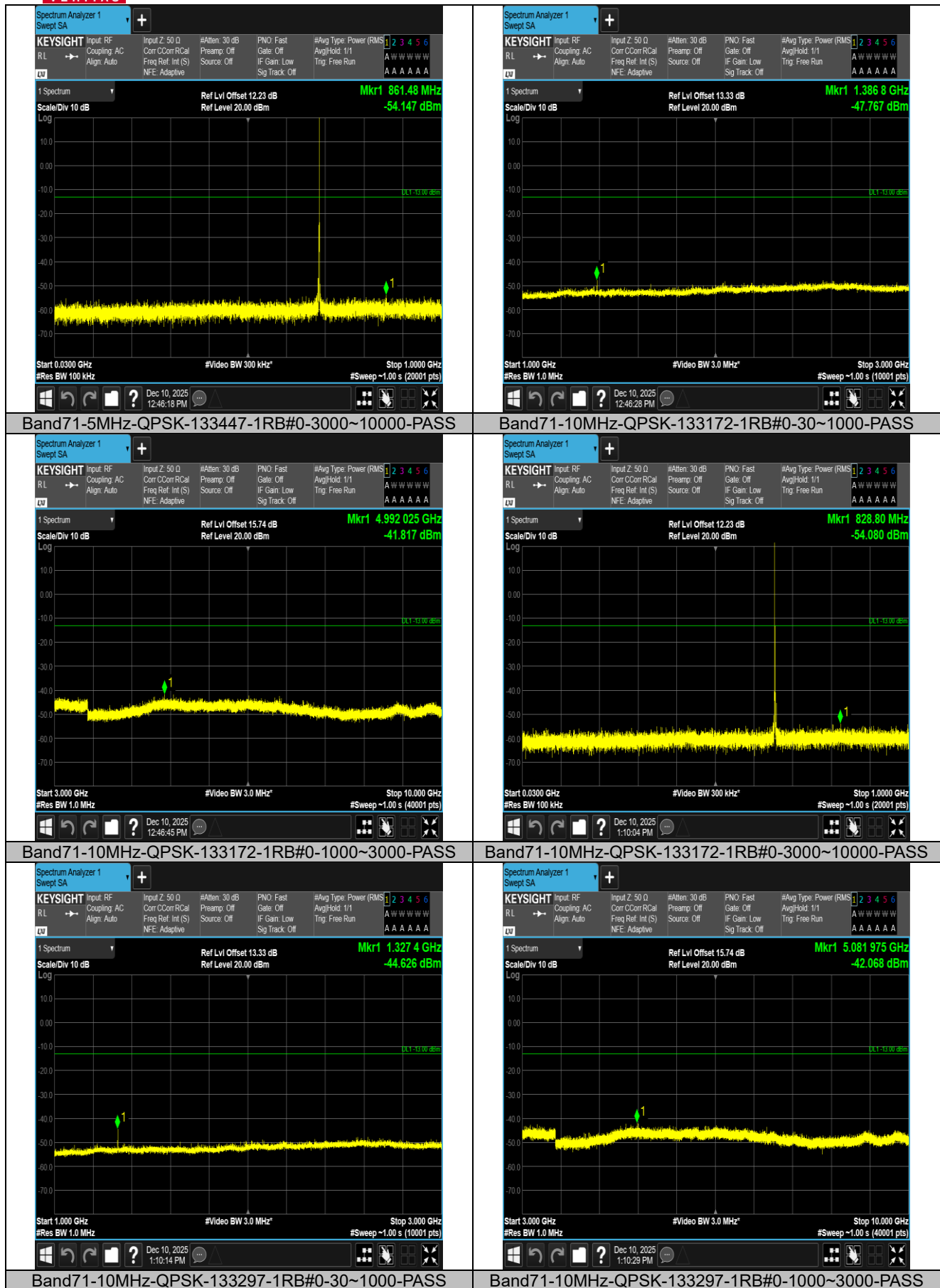
Tower N, Innovation Center, 88 Zuyi Road, High-tech
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VERITAS

Test Report No.: PSU-QBJ2512030110RF03



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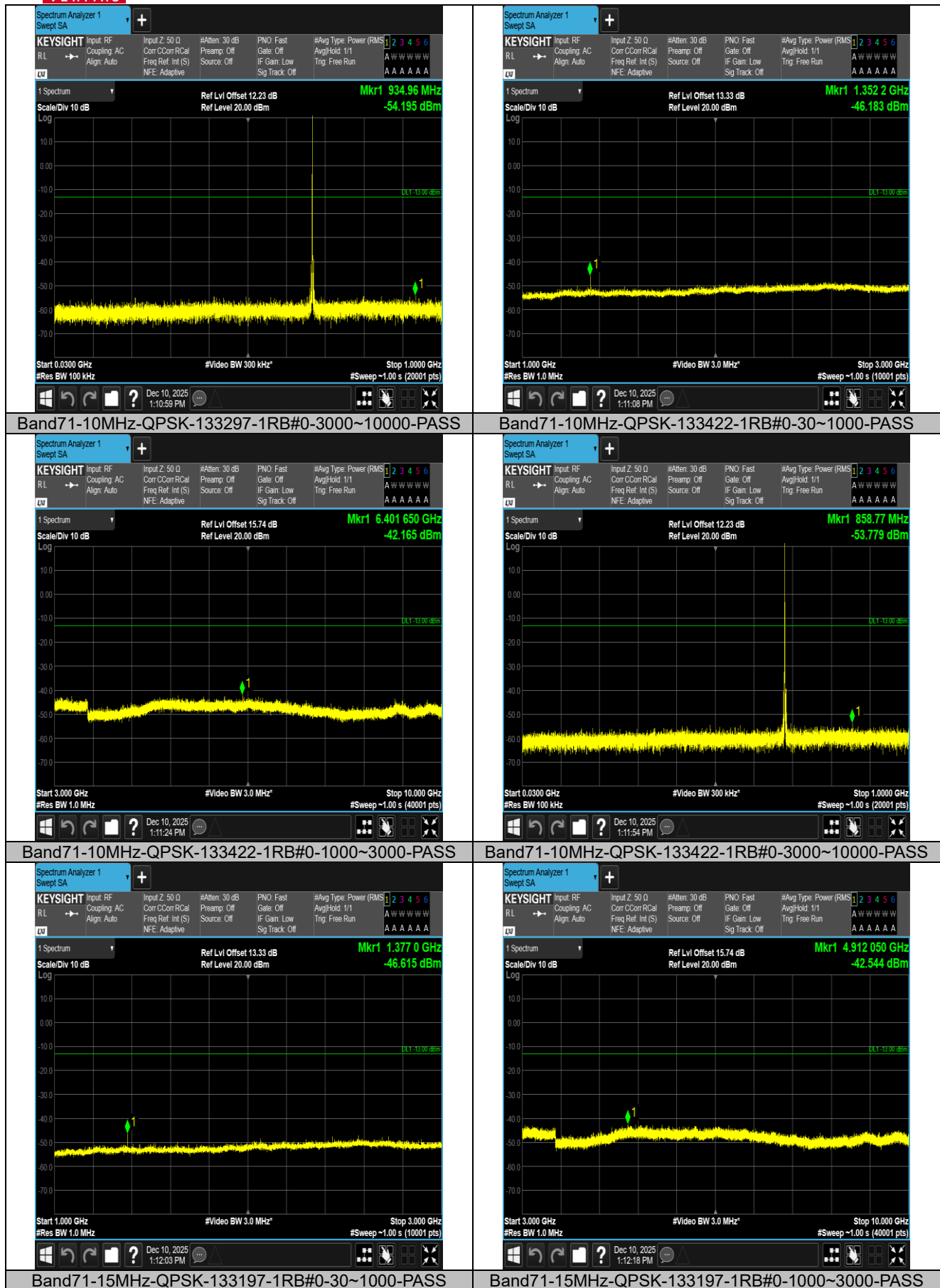
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VERITAS

Test Report No.: PSU-QBJ2512030110RF03



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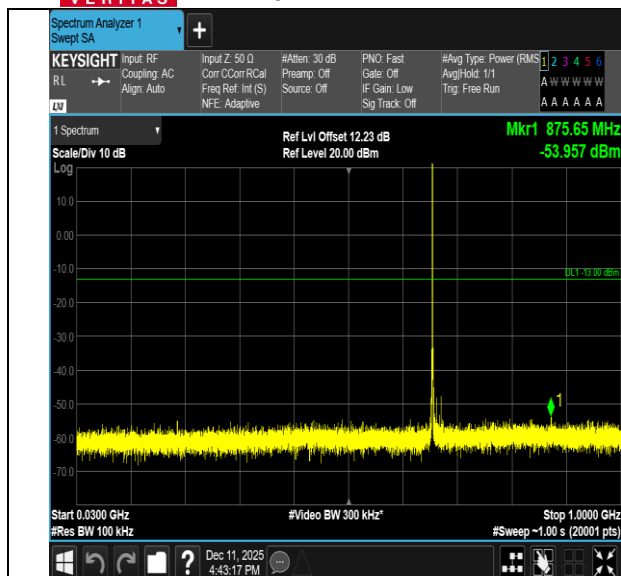
Tower N, Innovation Center, 88 Zuyi Road, High-tech
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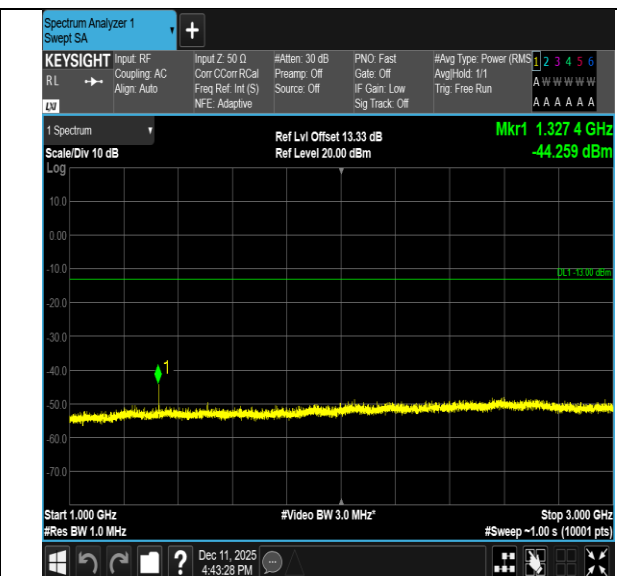


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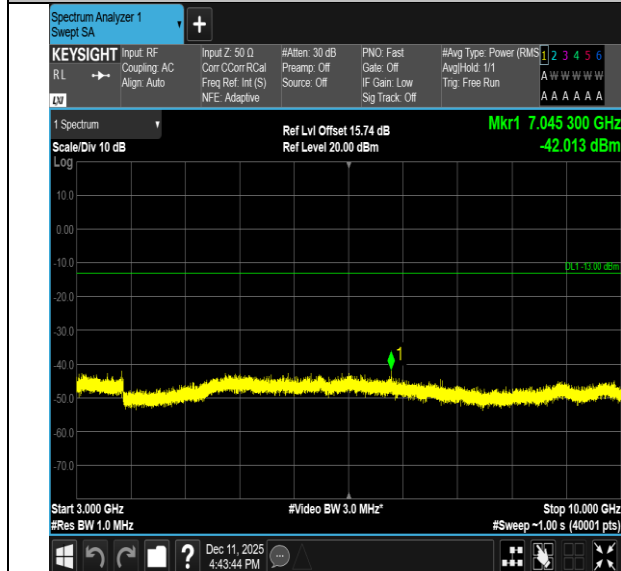
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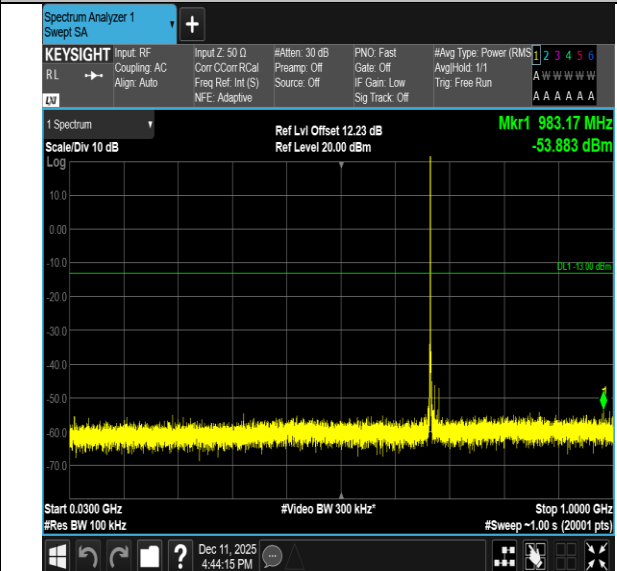
Band71-15MHz-QPSK-133197-1RB#0-3000~10000-PASS



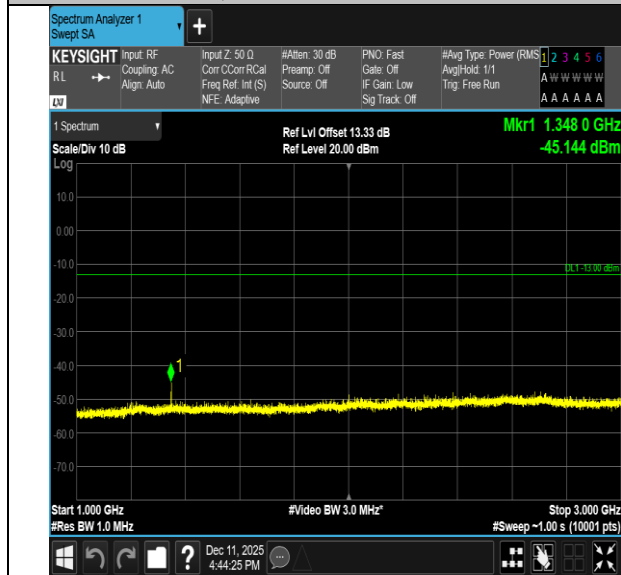
Band71-15MHz-QPSK-133297-1RB#0-30~1000-PASS



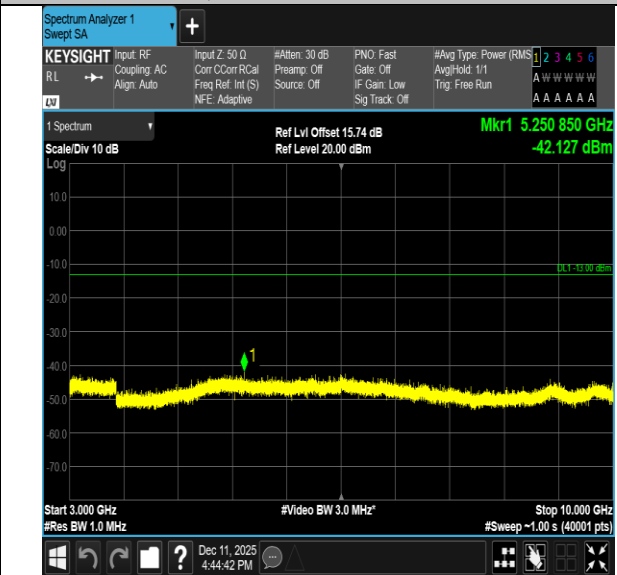
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Band71-15MHz-QPSK-133297-1RB#0-3000~10000-PASS



Band71-15MHz-QPSK-133397-1RB#0-30~1000-PASS



Band71-15MHz-QPSK-133397-1RB#0-1000~3000-PASS

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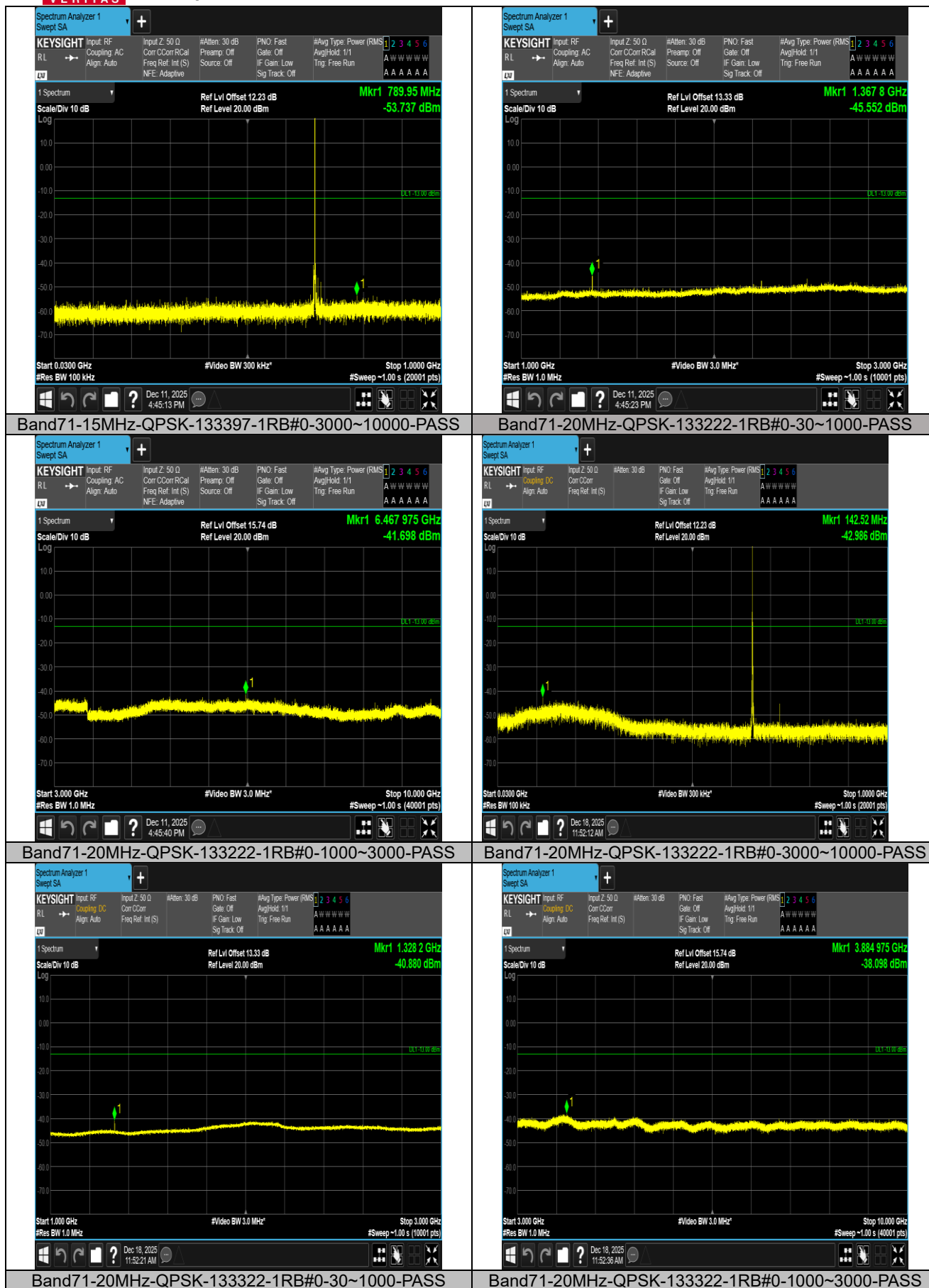
Tower N, Innovation Center, 88 Zuyi Road, High-tech
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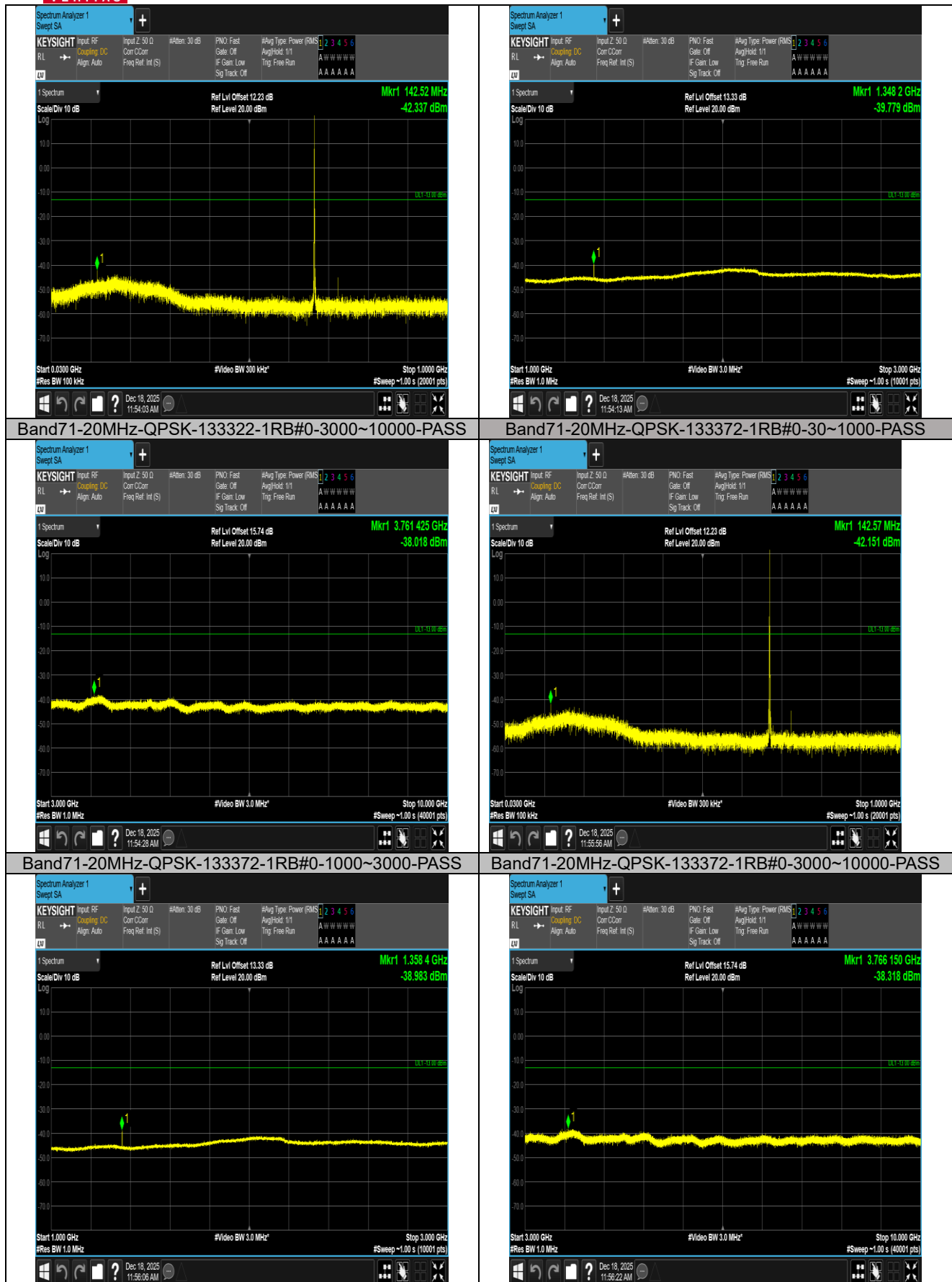
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Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band71	10MHz	QPSK	13317 2	50RB#0	VN	NT	525.00	0.785928	±2.5	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	VL	NT	620.00	0.928144	±2.5	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	VH	NT	-420.00	-0.628743	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	VN	NT	-117.00	-0.168831	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	VL	NT	-658.00	-0.949495	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	VH	NT	-496.00	-0.715729	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band71	10MHz	QPSK	13317 2	50RB#0	NV	-30	-196.00	-0.293413	±2.5	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	-20	158.00	0.236527	±2.5	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	-10	-150.00	-0.224551	±2.5	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	0	340.00	0.508982	±2.5	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	10	-323.00	-0.483533	±2.5	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	20	-146.00	-0.218563	±2.5	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	30	-680.00	-1.017964	±2.5	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	40	-720.00	-1.077844	±2.5	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	50	113.00	0.169162	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	-30	-803.00	-1.158730	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	-20	-769.00	-1.109668	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	-10	-720.00	-1.038961	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	0	-312.00	-0.450216	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	10	-795.00	-1.147186	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	20	-228.00	-0.329004	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	30	-504.00	-0.727273	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	40	-661.00	-0.953824	±2.5	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	50	-159.00	-0.229437	±2.5	PASS



FCC-SA-N7

Peak-to-Average Ratio for SA

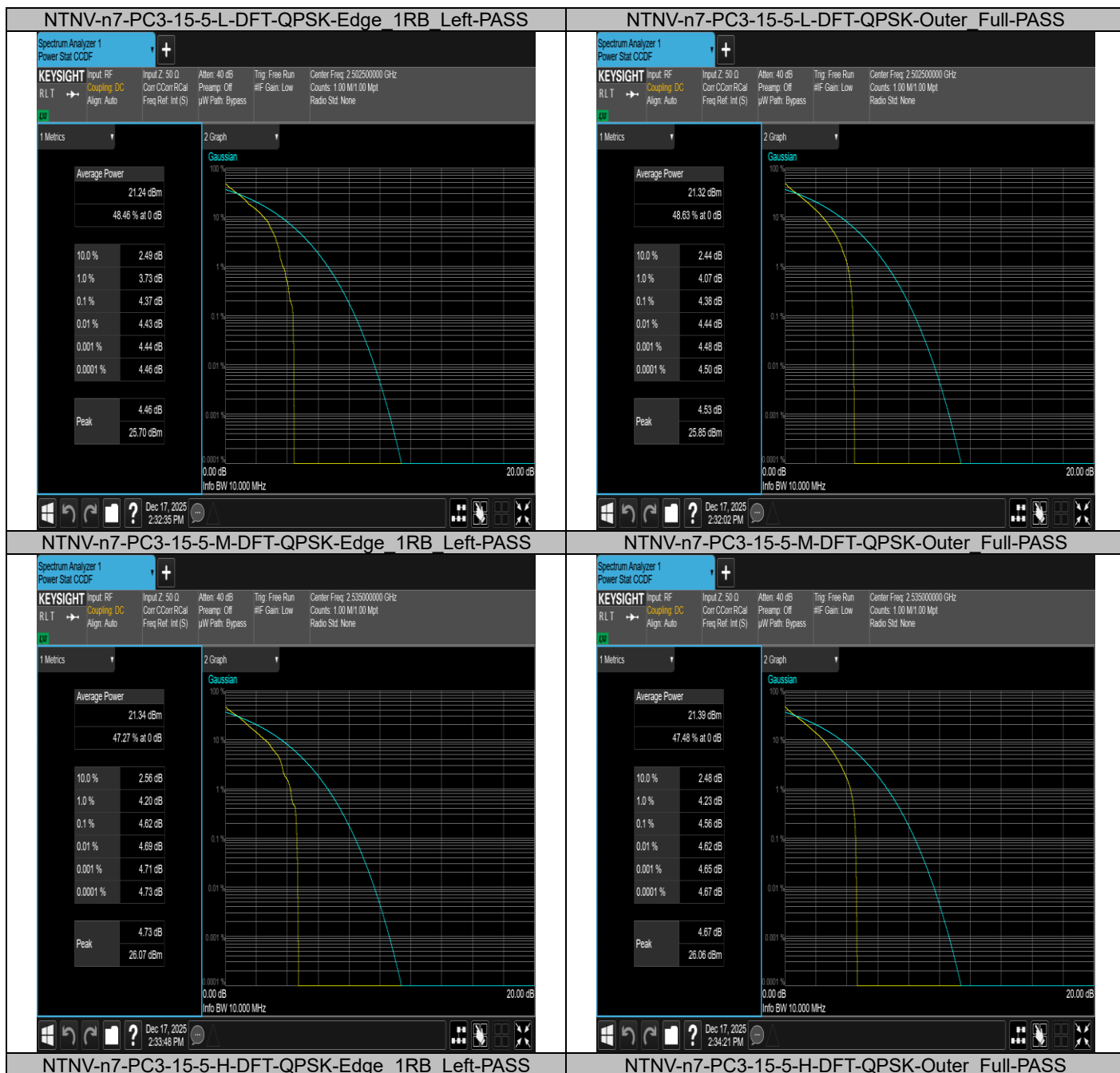
Peak-to-Average Ratio(CCDF)

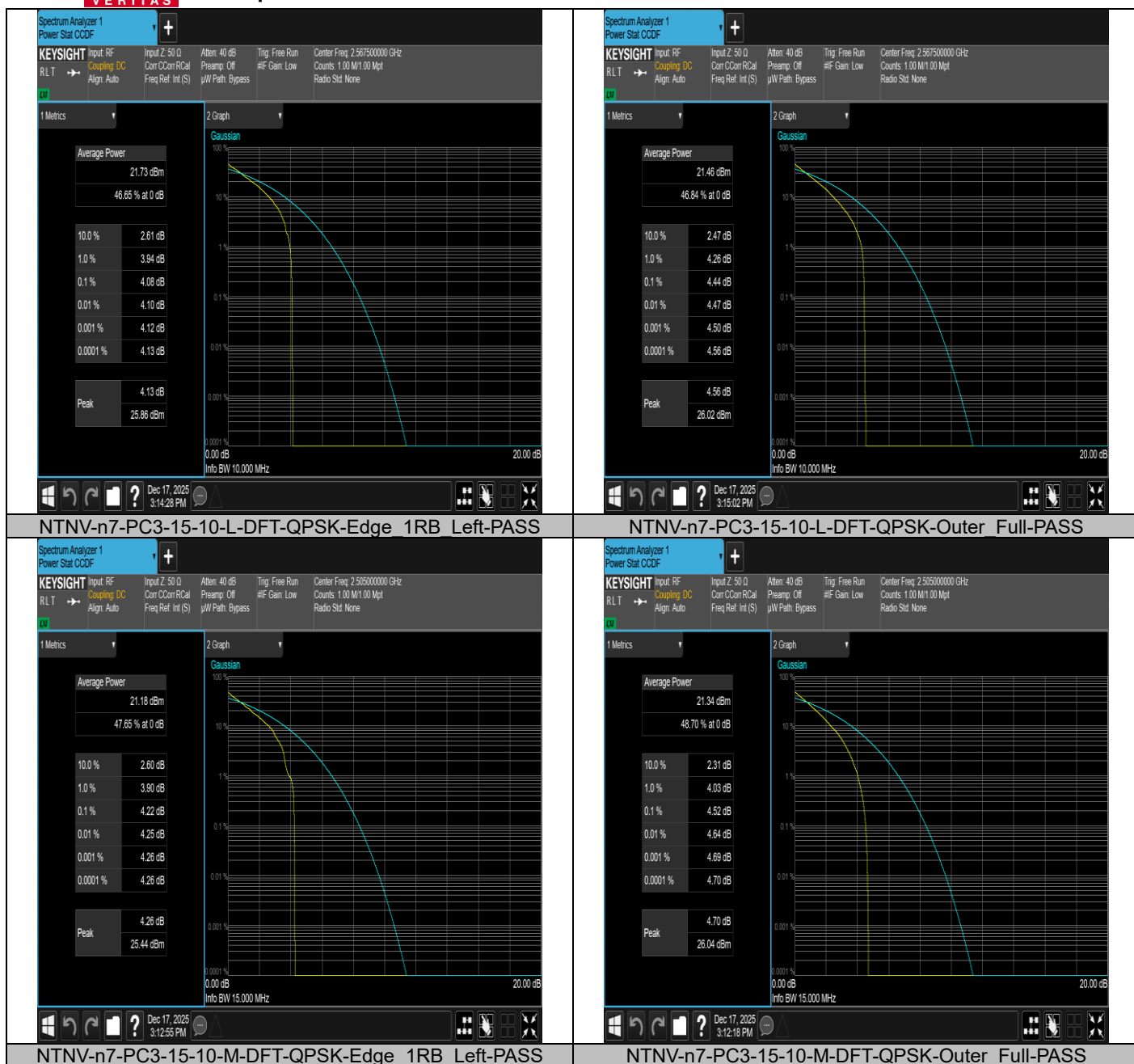
Test Result

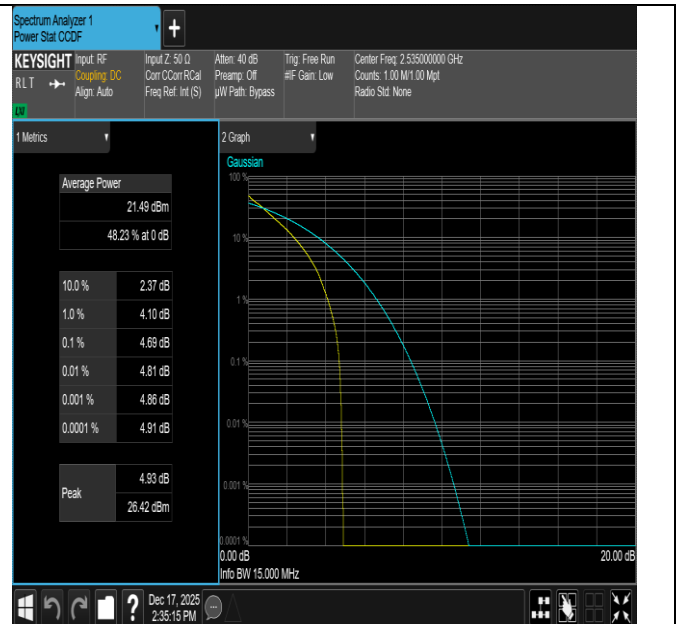
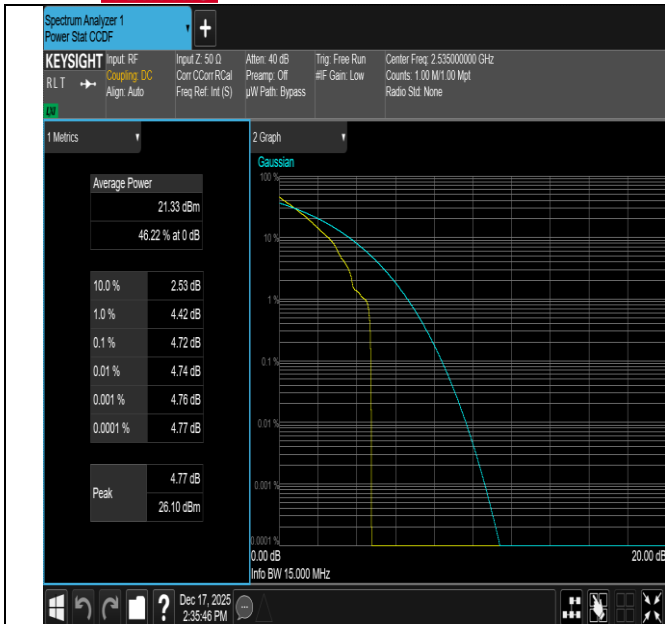
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Result (dB)	Limit	Verdict
n7	15	5	DFT-QPSK	L	Edge 1RB Left	4.37	≤13dB	PASS
n7	15	5	DFT-QPSK	L	Outer Full	4.38	≤13dB	PASS
n7	15	5	DFT-QPSK	M	Edge 1RB Left	4.62	≤13dB	PASS
n7	15	5	DFT-QPSK	M	Outer Full	4.56	≤13dB	PASS
n7	15	5	DFT-QPSK	H	Edge 1RB Left	4.08	≤13dB	PASS
n7	15	5	DFT-QPSK	H	Outer Full	4.44	≤13dB	PASS
n7	15	10	DFT-QPSK	L	Edge 1RB Left	4.22	≤13dB	PASS
n7	15	10	DFT-QPSK	L	Outer Full	4.52	≤13dB	PASS
n7	15	10	DFT-QPSK	M	Edge 1RB Left	4.72	≤13dB	PASS
n7	15	10	DFT-QPSK	M	Outer Full	4.69	≤13dB	PASS
n7	15	10	DFT-QPSK	H	Edge 1RB Left	4.22	≤13dB	PASS
n7	15	10	DFT-QPSK	H	Outer Full	4.51	≤13dB	PASS
n7	15	15	DFT-QPSK	L	Edge 1RB Left	3.86	≤13dB	PASS
n7	15	15	DFT-QPSK	L	Outer Full	4.51	≤13dB	PASS
n7	15	15	DFT-QPSK	M	Edge 1RB Left	4.59	≤13dB	PASS
n7	15	15	DFT-QPSK	M	Outer Full	4.75	≤13dB	PASS
n7	15	15	DFT-QPSK	H	Edge 1RB Left	4.4	≤13dB	PASS
n7	15	15	DFT-QPSK	H	Outer Full	4.98	≤13dB	PASS
n7	15	20	DFT-QPSK	L	Edge 1RB Left	3.99	≤13dB	PASS
n7	15	20	DFT-QPSK	L	Outer Full	4.56	≤13dB	PASS
n7	15	20	DFT-QPSK	M	Edge 1RB Left	4.17	≤13dB	PASS
n7	15	20	DFT-QPSK	M	Outer Full	4.56	≤13dB	PASS
n7	15	20	DFT-QPSK	H	Edge 1RB Left	3.98	≤13dB	PASS
n7	15	20	DFT-QPSK	H	Outer Full	4.54	≤13dB	PASS



Test Graphs

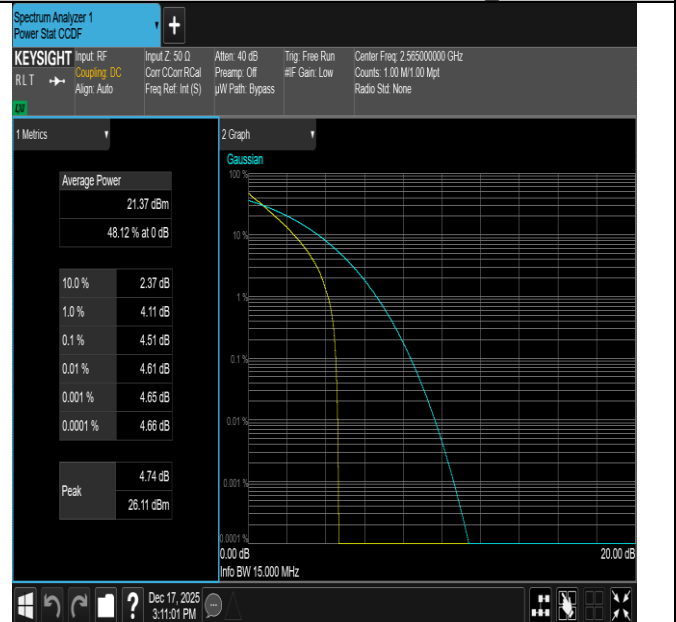
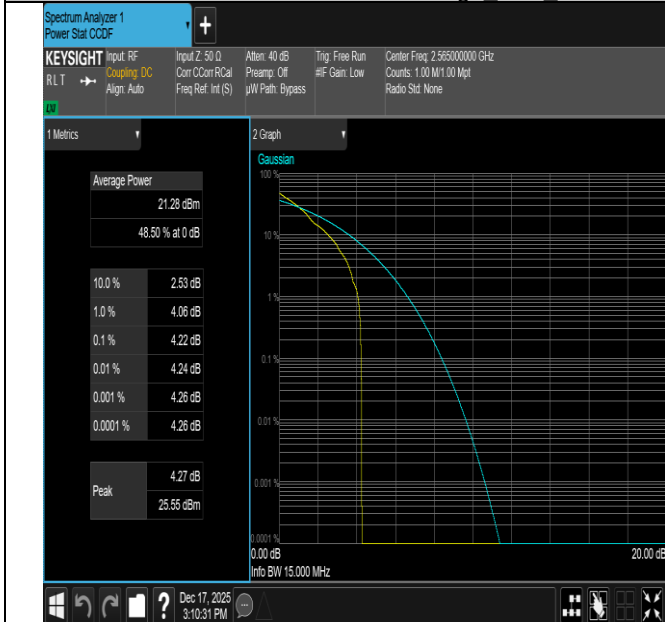






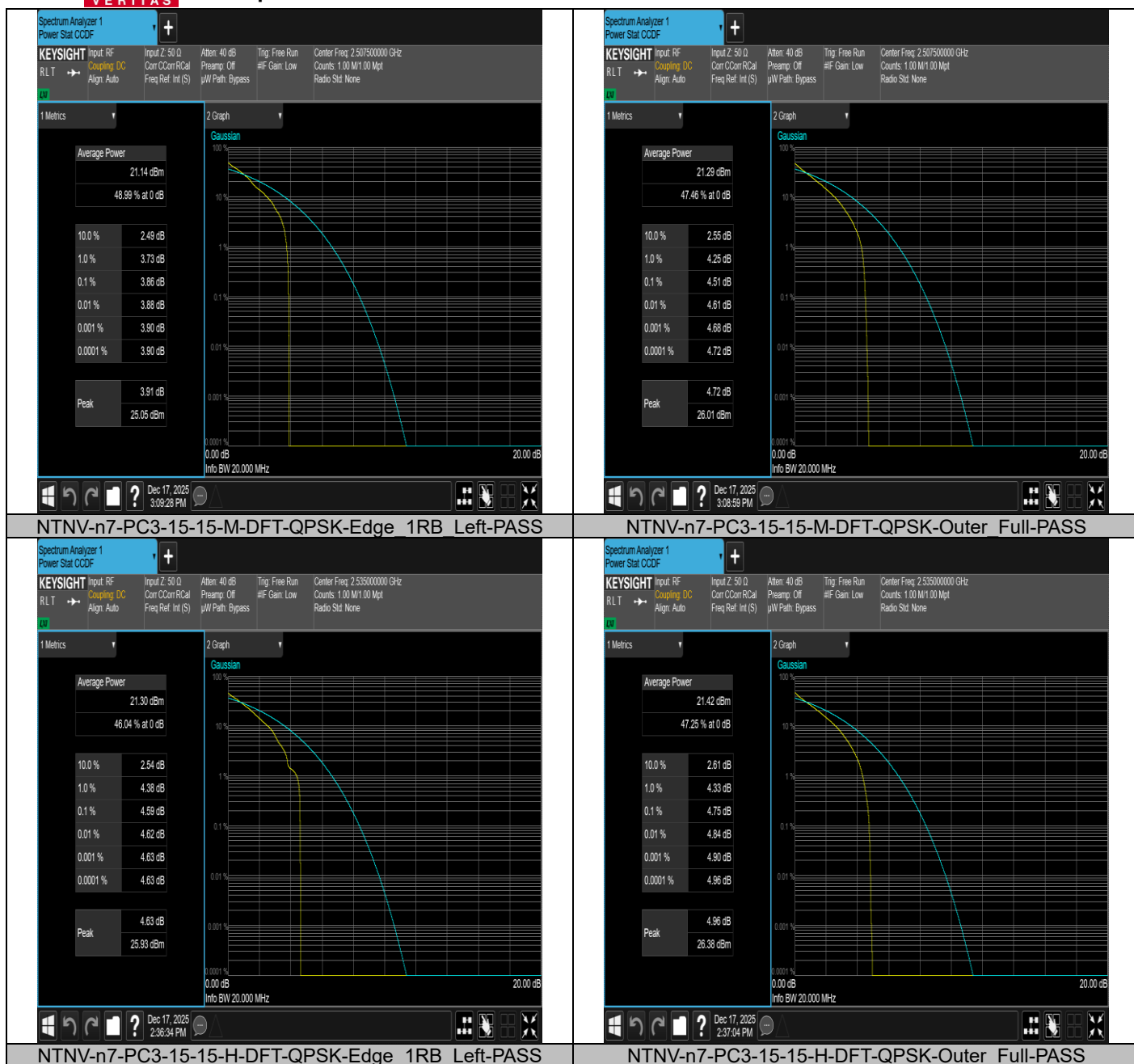
NTNV-n7-PC3-15-10-H-DFT-QPSK-Edge 1RB Left-PASS

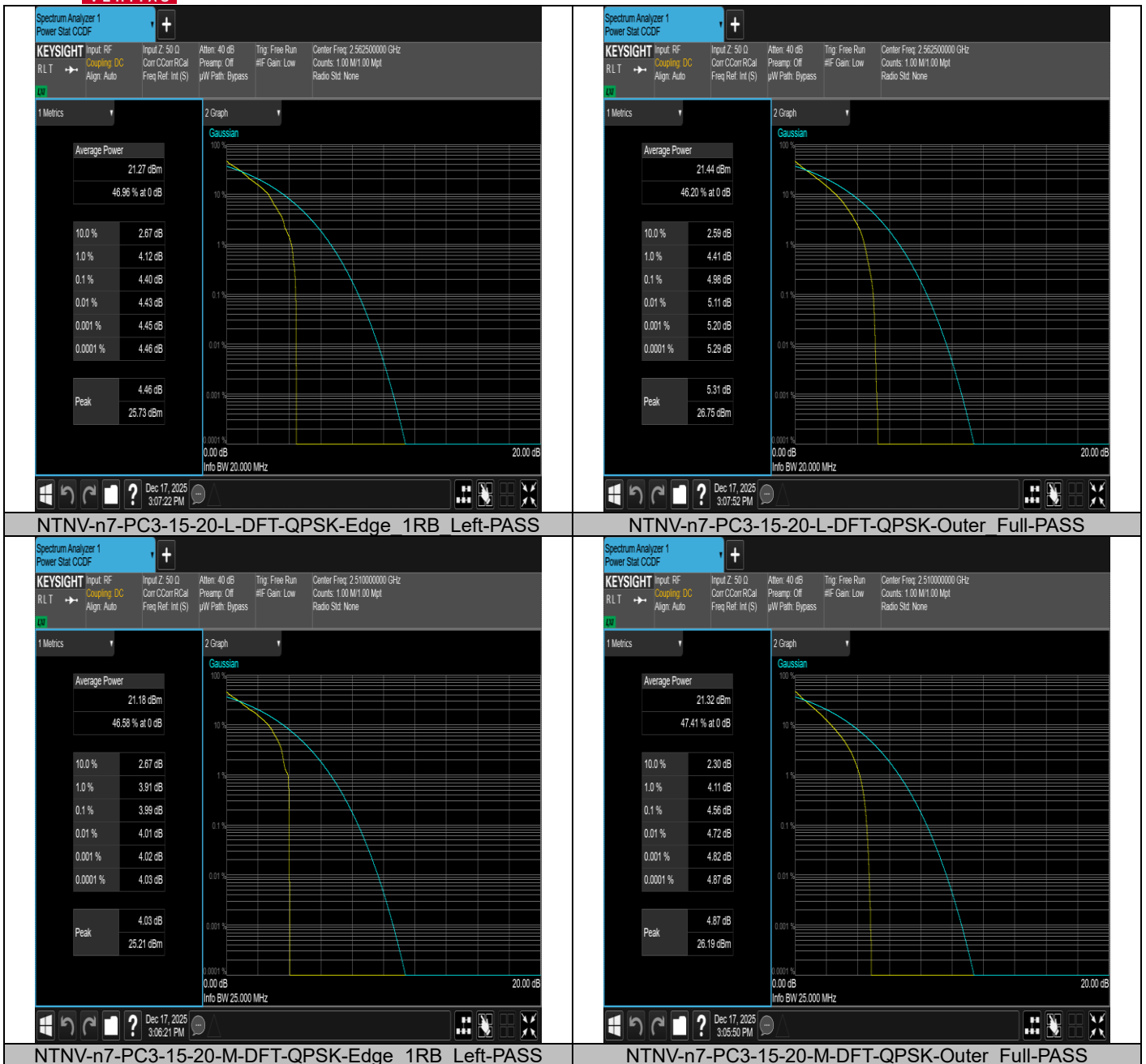
NTNV-n7-PC3-15-10-H-DFT-QPSK-Outer Full-PASS

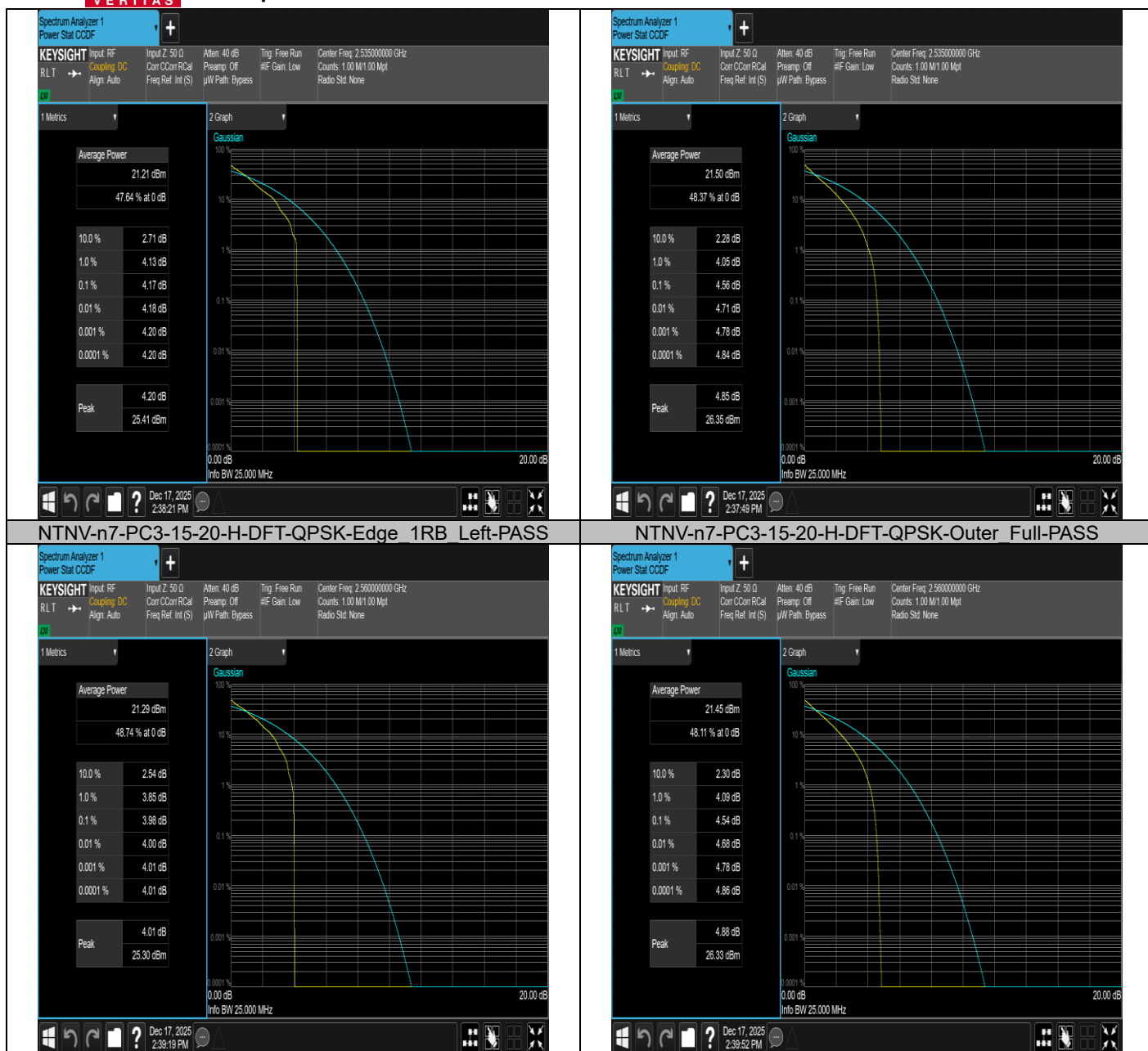


NTNV-n7-PC3-15-15-L-DFT-QPSK-Edge 1RB Left-PASS

NTNV-n7-PC3-15-15-L-DFT-QPSK-Outer Full-PASS









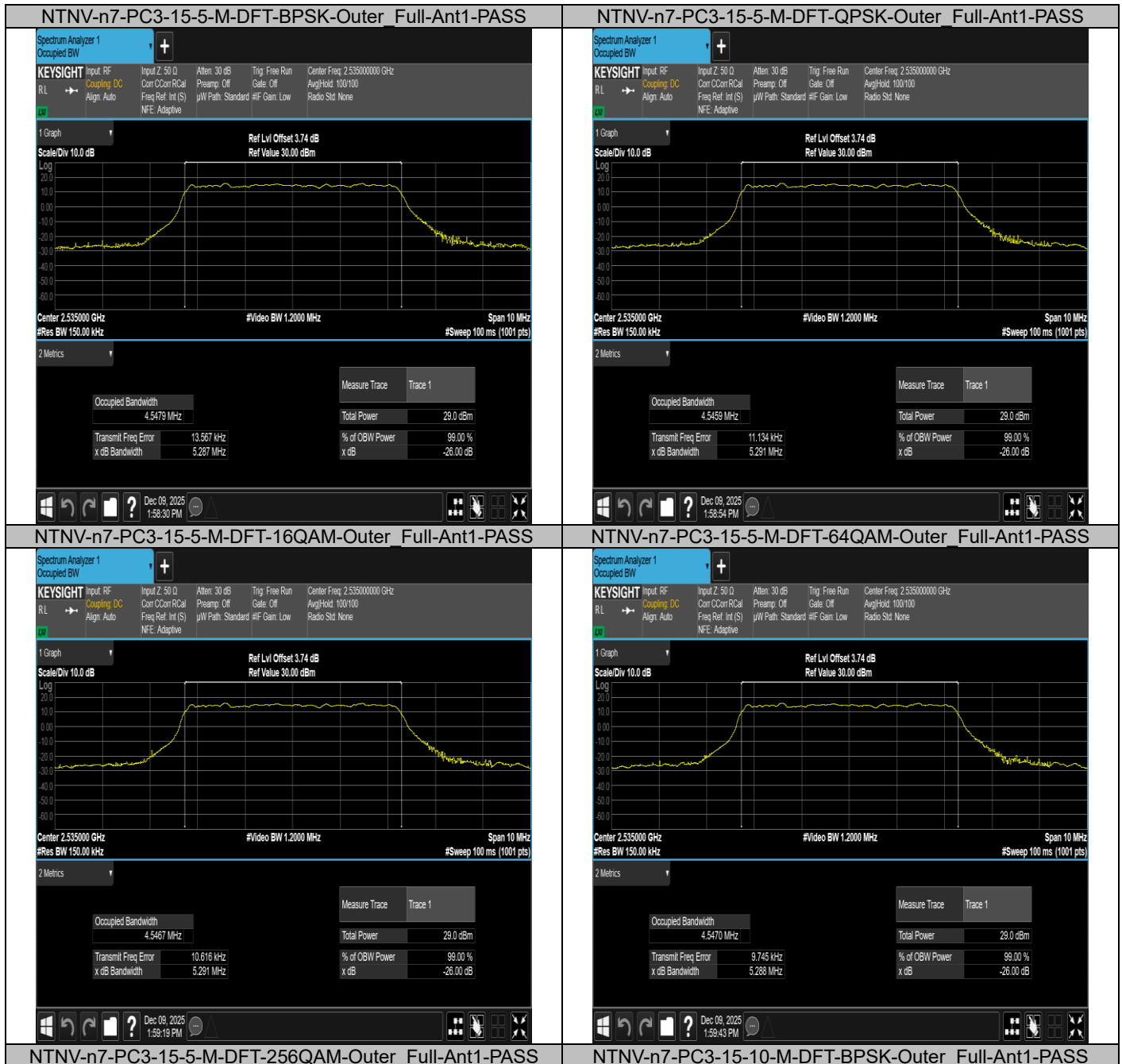
26dB Bandwidth and Occupied Bandwidth for SA

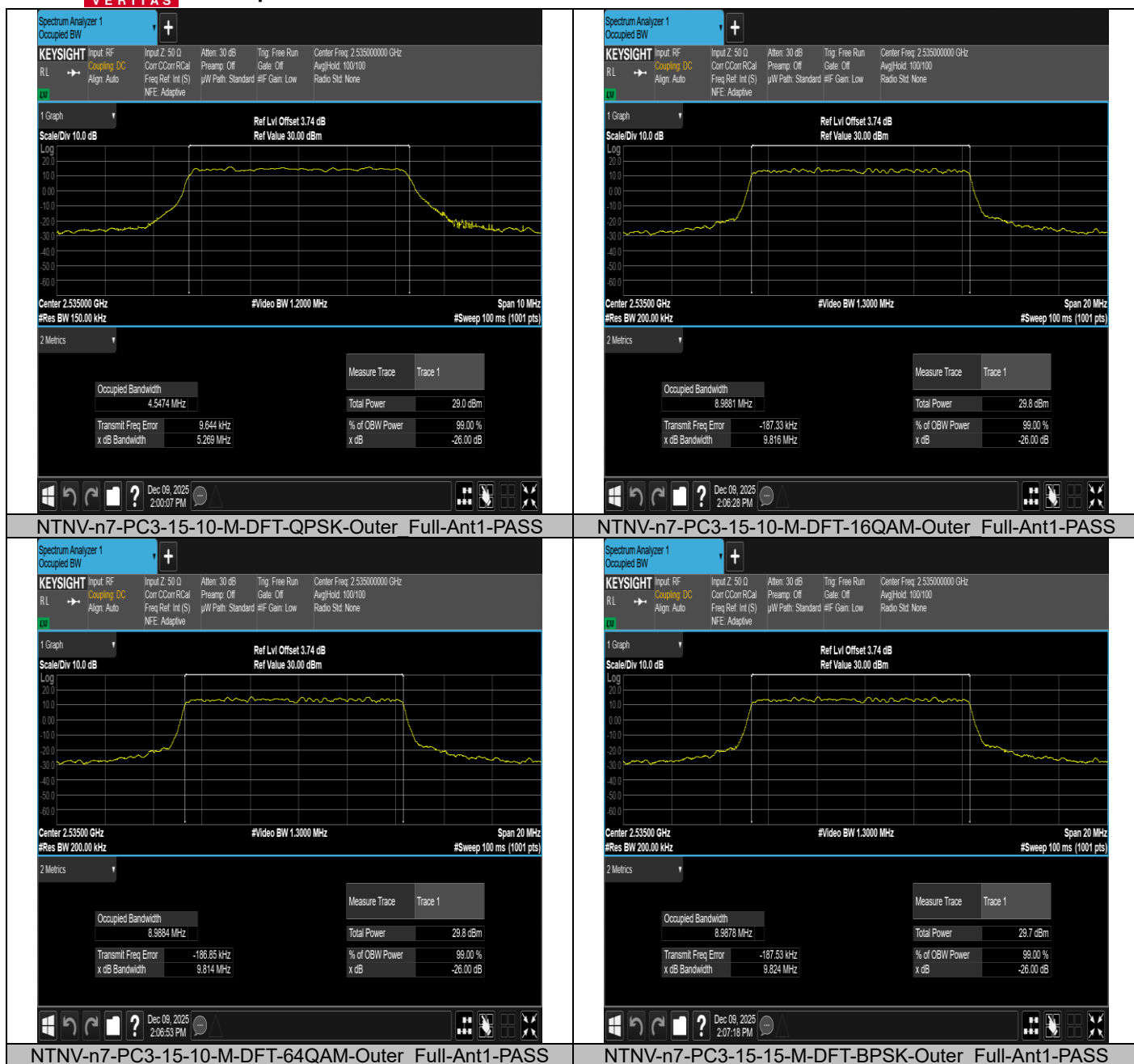
Test Result

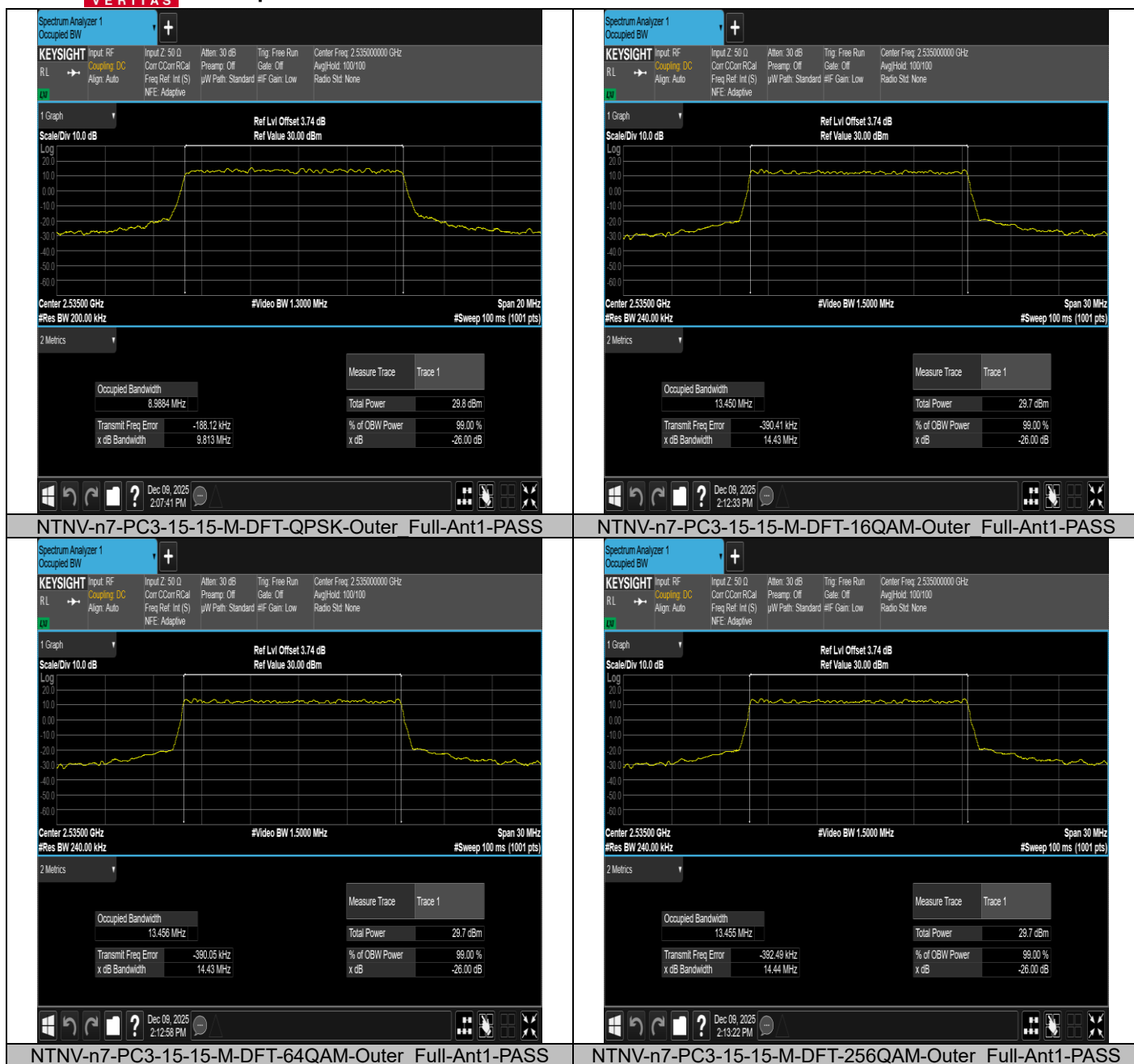
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	OBW (MHz)	EBW (MHz)	Verdict
n7	15	5	DFT-BPSK	M	Outer_Full	4.5479	5.287	PASS
n7	15	5	DFT-QPSK	M	Outer_Full	4.5459	5.291	PASS
n7	15	5	DFT-16QAM	M	Outer_Full	4.5467	5.291	PASS
n7	15	5	DFT-64QAM	M	Outer_Full	4.5470	5.288	PASS
n7	15	5	DFT-256QAM	M	Outer_Full	4.5474	5.269	PASS
n7	15	10	DFT-BPSK	M	Outer_Full	8.9881	9.816	PASS
n7	15	10	DFT-QPSK	M	Outer_Full	8.9884	9.814	PASS
n7	15	10	DFT-16QAM	M	Outer_Full	8.9878	9.824	PASS
n7	15	10	DFT-64QAM	M	Outer_Full	8.9884	9.813	PASS
n7	15	15	DFT-BPSK	M	Outer_Full	13.450	14.43	PASS
n7	15	15	DFT-QPSK	M	Outer_Full	13.456	14.43	PASS
n7	15	15	DFT-16QAM	M	Outer_Full	13.455	14.44	PASS
n7	15	15	DFT-64QAM	M	Outer_Full	13.426	14.50	PASS
n7	15	15	DFT-256QAM	M	Outer_Full	13.402	14.31	PASS
n7	15	20	DFT-BPSK	M	Outer_Full	17.897	19.15	PASS
n7	15	20	DFT-QPSK	M	Outer_Full	17.900	19.16	PASS
n7	15	20	DFT-16QAM	M	Outer_Full	17.899	19.16	PASS
n7	15	20	DFT-64QAM	M	Outer_Full	17.864	19.03	PASS
n7	15	20	DFT-256QAM	M	Outer_Full	17.861	19.01	PASS

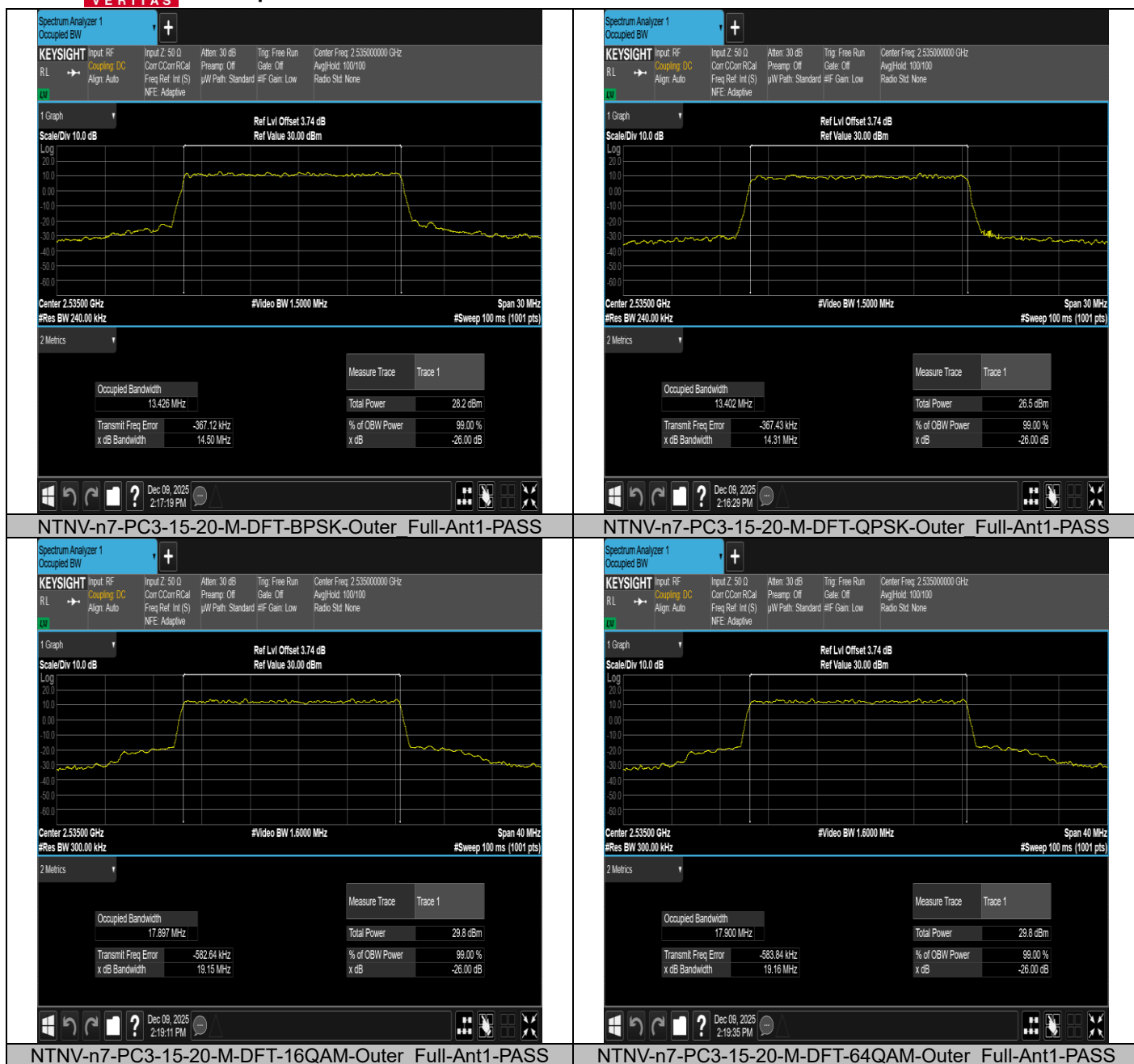


Test Graphs













Band Edge for SA

Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Result (dBm)	Verdict
n7	15	5	DFT-QPSK	L	Edge_1RB_Left	-11.93	PASS
n7	15	5	DFT-QPSK	L	Outer_Full	-22.71	PASS
n7	15	5	DFT-QPSK	H	Edge_1RB_Right	-17.33	PASS
n7	15	5	DFT-QPSK	H	Outer_Full	-38.47	PASS
n7	15	10	DFT-QPSK	L	Edge_1RB_Left	-11.64	PASS
n7	15	10	DFT-QPSK	L	Outer_Full	-37.31	PASS
n7	15	10	DFT-QPSK	H	Edge_1RB_Right	-13.31	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	-40.68	PASS
n7	15	15	DFT-QPSK	L	Edge_1RB_Left	-12.40	PASS
n7	15	15	DFT-QPSK	L	Outer_Full	-34.36	PASS
n7	15	15	DFT-QPSK	H	Edge_1RB_Right	-14.99	PASS
n7	15	15	DFT-QPSK	H	Outer_Full	-42.53	PASS
n7	15	20	DFT-QPSK	L	Edge_1RB_Left	-11.57	PASS
n7	15	20	DFT-QPSK	L	Outer_Full	-13.74	PASS
n7	15	20	DFT-QPSK	H	Edge_1RB_Right	-14.49	PASS
n7	15	20	DFT-QPSK	H	Outer_Full	-29.64	PASS



Test Graphs

