

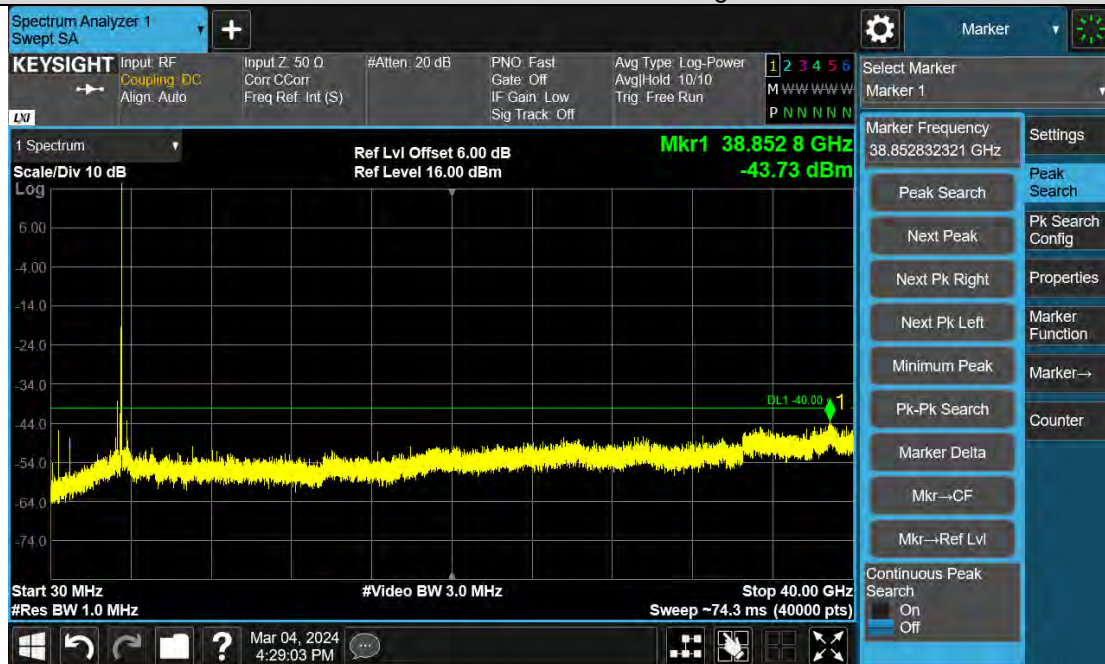


BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF05



Band48-15MHz-16QAM-55315-1RB#0-Range:30~40000MHz



Band48-15MHz-16QAM-55990-1RB#0-Range:30~40000MHz



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF05



Band48-15MHz-16QAM-56665-1RB#0-Range:30~40000MHz



Band48-15MHz-64QAM-55315-1RB#0-Range:30~40000MHz



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF05



Band48-15MHz-64QAM-55990-1RB#0-Range:30~40000MHz



Band48-15MHz-64QAM-56665-1RB#0-Range:30~40000MHz



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VERITAS

Test Report No.: PSU-QSU2312140113RF05



Band48-20MHz-QPSK-55340-1RB#0-Range:30~40000MHz



Band48-20MHz-QPSK-55990-1RB#0-Range:30~40000MHz



Band48-20MHz-QPSK-56640-1RB#0-Range:30~40000MHz



Band48-20MHz-16QAM-55340-1RB#0-Range:30~40000MHz

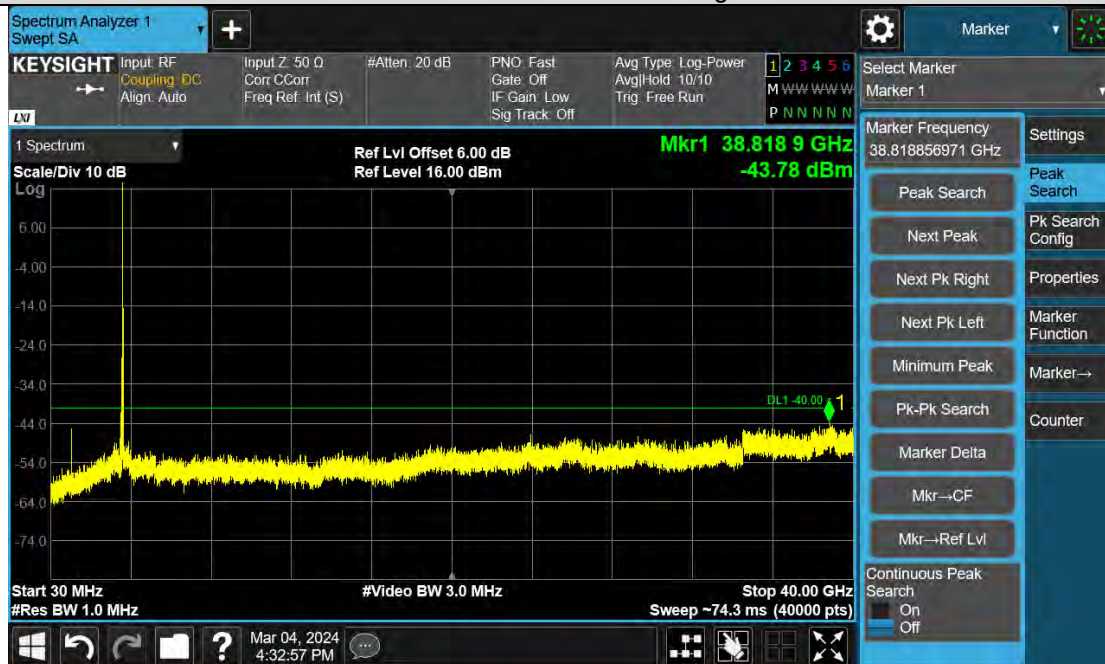


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Test Report No.: PSU-QSU2312140113RF05



Band48-20MHz-16QAM-55990-1RB#0-Range:30~40000MHz



Band48-20MHz-16QAM-56640-1RB#0-Range:30~40000MHz

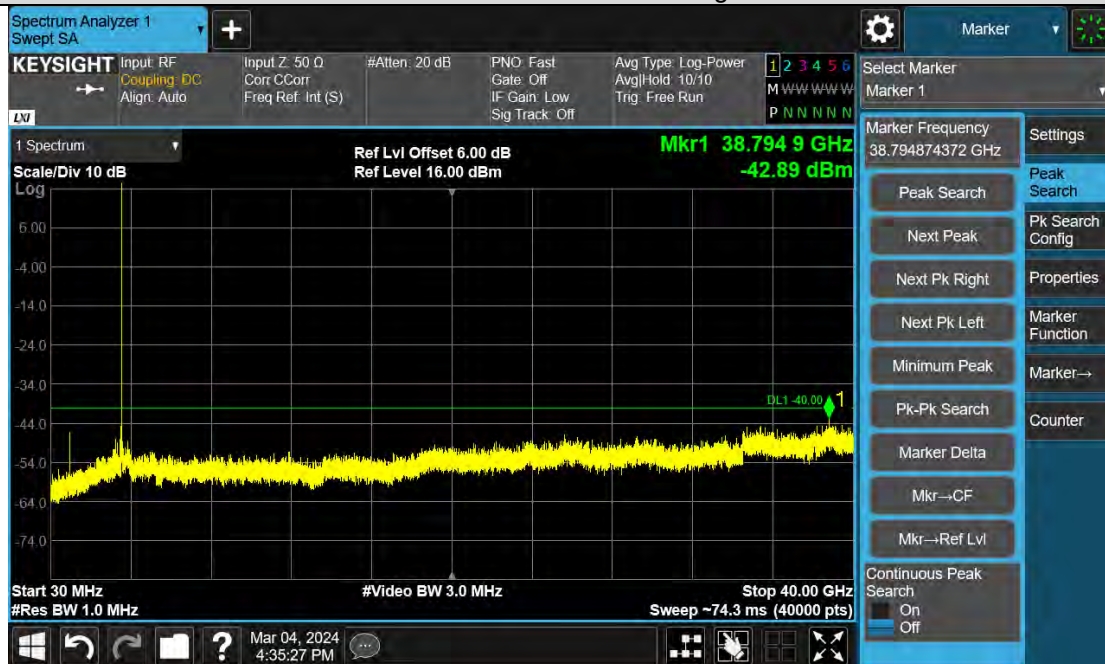


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VERITAS

Test Report No.: PSU-QSU2312140113RF05



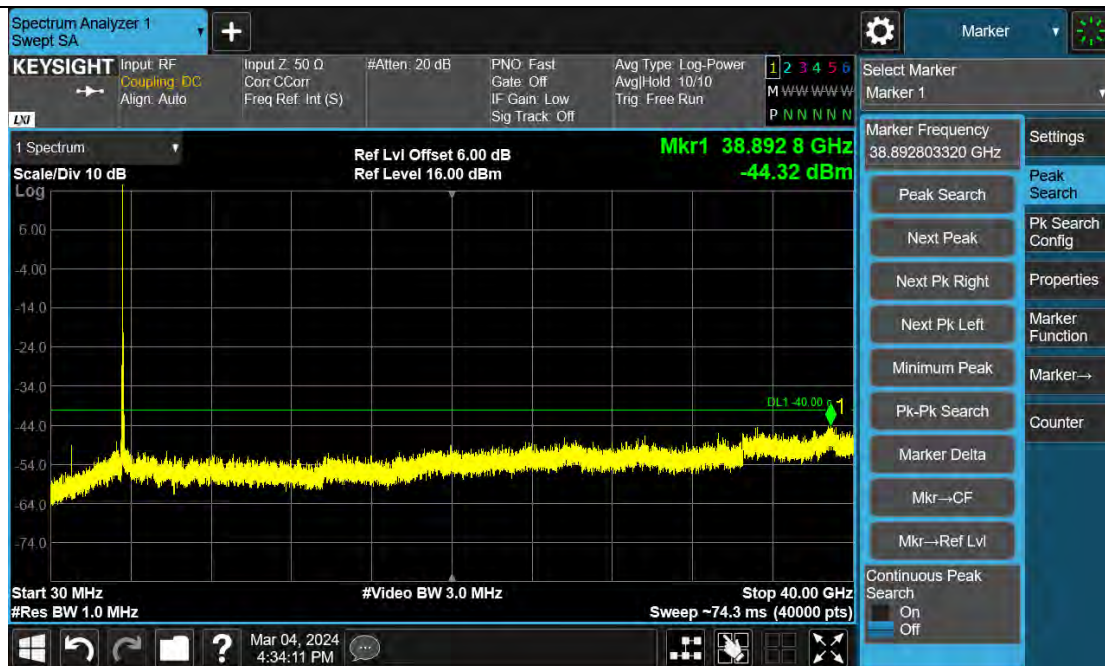
Band48-20MHz-64QAM-55340-1RB#0-Range:30~40000MHz



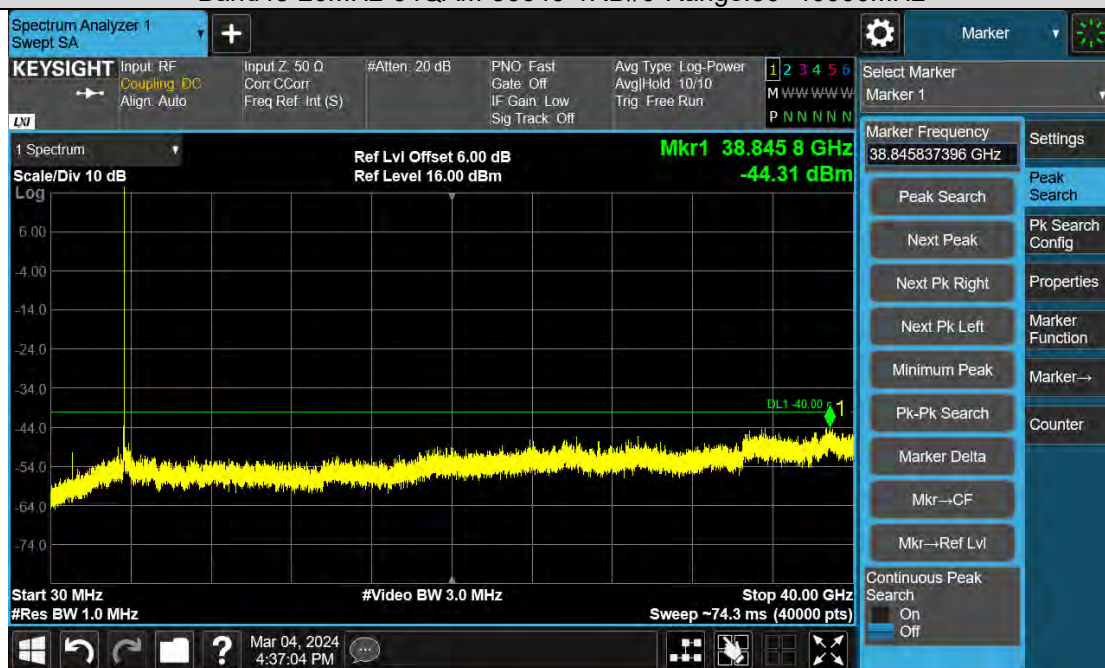
Band48-20MHz-64QAM-55990-1RB#0-Range:30~40000MHz



Test Report No.: PSU-QSU2312140113RF05



Band48-20MHz-64QAM-56640-1RB#0-Range:30~40000MHz



FREQUENCY STABILITY TEST RESULT

Voltage										
Band	Bandwidth h	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band48	20MHz	QPSK	55340	100RB#0	VL	NT	5.9	0.001599	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	VN	NT	12	0.003252	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	VH	NT	-13.4	-0.003631	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	VL	NT	-14	-0.004000	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	VN	NT	11.9	0.003400	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	VH	NT	-22.9	-0.006543	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	VL	NT	-19.1	-0.005269	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	VN	NT	4.2	0.001159	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	VH	NT	16.4	0.004524	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	VL	NT	27	0.007317	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	VN	NT	-0.4	-0.000108	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	VH	NT	19.6	0.005312	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	VL	NT	27	0.007714	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	VN	NT	16.7	0.004771	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	VH	NT	-9.1	-0.002600	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	VL	NT	27	0.007448	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	VN	NT	11.4	0.003145	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	VH	NT	-9.7	-0.002676	±2.5	PASS
Band48	20MHz	64QAM	55340	100RB#0	VL	NT	27	0.007317	±2.5	PASS
Band48	20MHz	64QAM	55340	100RB#0	VN	NT	14.8	0.004011	±2.5	PASS
Band48	20MHz	64QAM	55340	100RB#0	VH	NT	22.2	0.006016	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	VL	NT	27	0.007714	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	VN	NT	8.6	0.002457	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	VH	NT	7.3	0.002086	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	VL	NT	27	0.007448	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	VN	NT	-5.8	-0.001600	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	VH	NT	16	0.004414	±2.5	PASS

Voltage										
Band	Bandwidth h	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band48	20MHz	QPSK	55340	100RB#0	NV	-30	7.5	0.002033	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	-20	-6.4	-0.001734	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	-10	-24.3	-0.006585	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	0	6.9	0.001870	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	10	-22.7	-0.006152	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	20	22.2	0.006016	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	30	-22.4	-0.006070	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	40	-21.2	-0.005745	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	50	-15.3	-0.004146	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-30	2.7	0.000771	±2.5	PASS



Band48	20MHz	QPSK	55990	100RB#0	NV	-20	-13.9	-0.003971	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-10	-10.8	-0.003086	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	0	20.3	0.005800	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	10	-1.4	-0.000400	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	20	24.5	0.007000	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	30	10.3	0.002943	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	40	-24.3	-0.006943	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	50	-23.3	-0.006657	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	-30	9.1	0.002510	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	-20	28.6	0.007890	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	-10	-21.9	-0.006041	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	0	28.7	0.007917	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	10	7	0.001931	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	20	-28.1	-0.007752	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	30	2.3	0.000634	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	40	-29.6	-0.008166	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	50	-13.5	-0.003724	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	NV	-30	28.5	0.007724	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	NV	-20	-17.5	-0.004743	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	NV	-10	3.7	0.001003	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	NV	0	-20.6	-0.005583	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	NV	10	-10.8	-0.002927	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	NV	20	21.9	0.005935	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	NV	30	-28.3	-0.007669	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	NV	40	23.4	0.006341	±2.5	PASS
Band48	20MHz	16QAM	55340	100RB#0	NV	50	-11.5	-0.003117	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	NV	-30	-1	-0.000286	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	NV	-20	-28.5	-0.008143	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	NV	-10	12.1	0.003457	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	NV	0	-28.5	-0.008143	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	NV	10	23.3	0.006657	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	NV	20	15.1	0.004314	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	NV	30	-11	-0.003143	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	NV	40	25	0.007143	±2.5	PASS
Band48	20MHz	16QAM	55990	100RB#0	NV	50	29.4	0.008400	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	NV	-30	9.7	0.002676	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	NV	-20	8.8	0.002428	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	NV	-10	-25.1	-0.006924	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	NV	0	11.9	0.003283	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	NV	10	-22.5	-0.006207	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	NV	20	5.4	0.001490	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	NV	30	-6.1	-0.001683	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	NV	40	-8.6	-0.002372	±2.5	PASS
Band48	20MHz	16QAM	56640	100RB#0	NV	50	20.3	0.005600	±2.5	PASS
Band48	20MHz	64QAM	55340	100RB#0	NV	-30	-15.2	-0.004119	±2.5	PASS
Band48	20MHz	64QAM	55340	100RB#0	NV	-20	-6.6	-0.001789	±2.5	PASS
Band48	20MHz	64QAM	55340	100RB#0	NV	-10	-10.1	-0.002737	±2.5	PASS
Band48	20MHz	64QAM	55340	100RB#0	NV	0	-2.5	-0.000678	±2.5	PASS
Band48	20MHz	64QAM	55340	100RB#0	NV	10	4	0.001084	±2.5	PASS
Band48	20MHz	64QAM	55340	100RB#0	NV	20	-9.6	-0.002602	±2.5	PASS
Band48	20MHz	64QAM	55340	100RB#0	NV	30	-28.1	-0.007615	±2.5	PASS
Band48	20MHz	64QAM	55340	100RB#0	NV	40	7.4	0.002005	±2.5	PASS



Band48	20MHz	64QAM	55340	100RB#0	NV	50	-21.4	-0.005799	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	NV	-30	-9.9	-0.002829	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	NV	-20	3.5	0.001000	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	NV	-10	-8.1	-0.002314	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	NV	0	-3.4	-0.000971	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	NV	10	-16	-0.004571	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	NV	20	-0.8	-0.000229	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	NV	30	-7.6	-0.002171	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	NV	40	27.1	0.007743	±2.5	PASS
Band48	20MHz	64QAM	55990	100RB#0	NV	50	20.3	0.005800	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	NV	-30	-8.6	-0.002372	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	NV	-20	-8.4	-0.002317	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	NV	-10	4.5	0.001241	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	NV	0	-18.3	-0.005048	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	NV	10	23.4	0.006455	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	NV	20	-4.2	-0.001159	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	NV	30	26	0.007172	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	NV	40	-22.3	-0.006152	±2.5	PASS
Band48	20MHz	64QAM	56640	100RB#0	NV	50	-23.6	-0.006510	±2.5	PASS

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