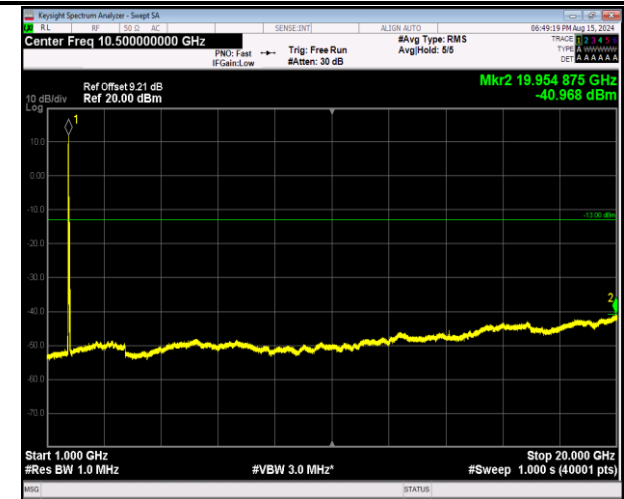
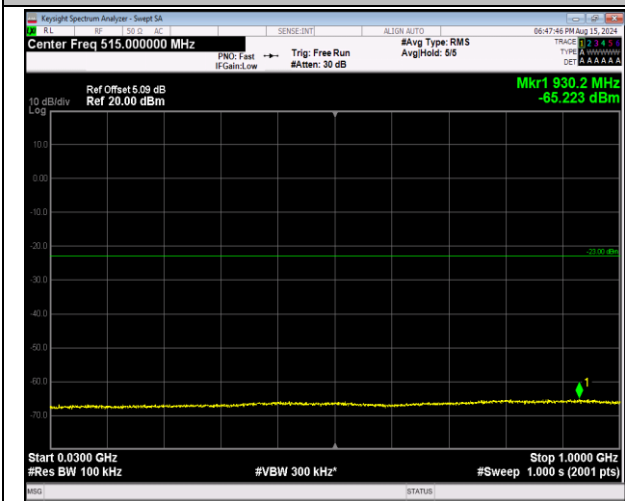


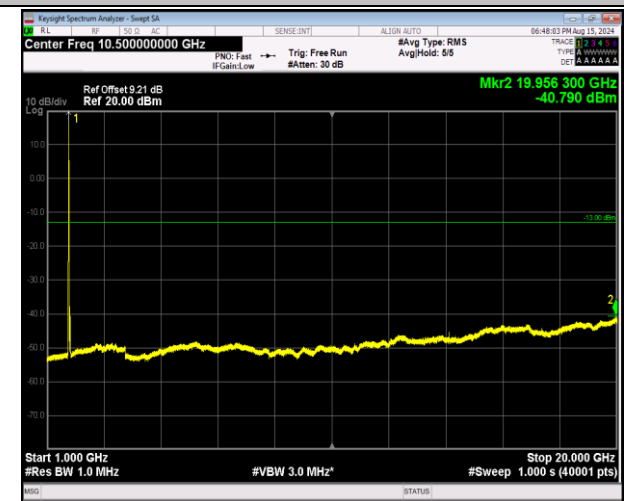
66-66-20MHz-20MHz-QPSK-QPSK-132072-132270-1RB
#0-1RB#99-30~1000MHz-PASS



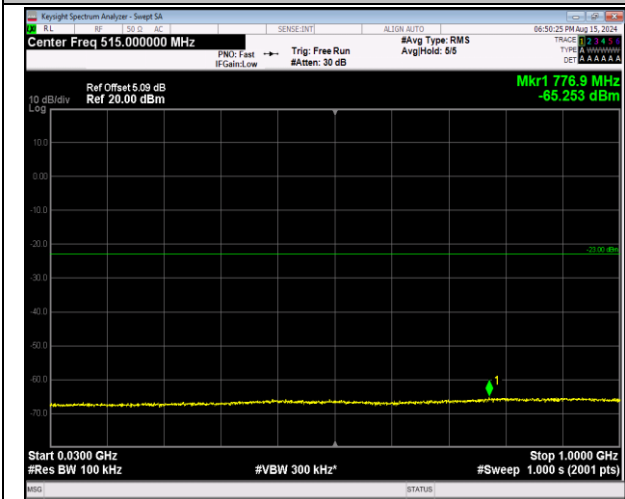
66-66-20MHz-20MHz-QPSK-QPSK-132072-132270-1RB#0
-1RB#99-1000~20000MHz-PASS



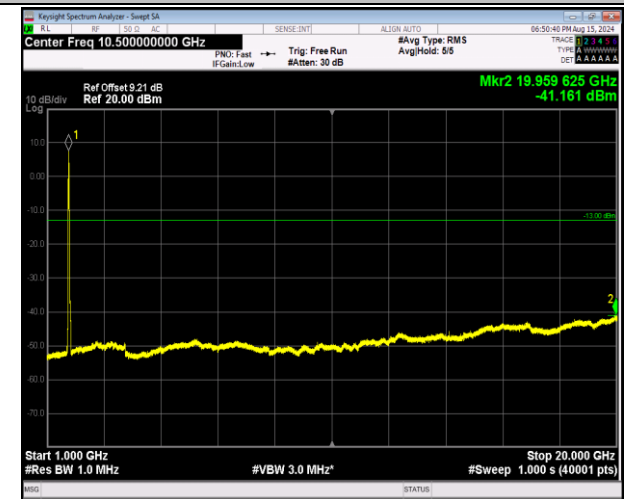
66-66-20MHz-20MHz-QPSK-QPSK-132072-132270-1RB
#99-0RB#0-30~1000MHz-PASS



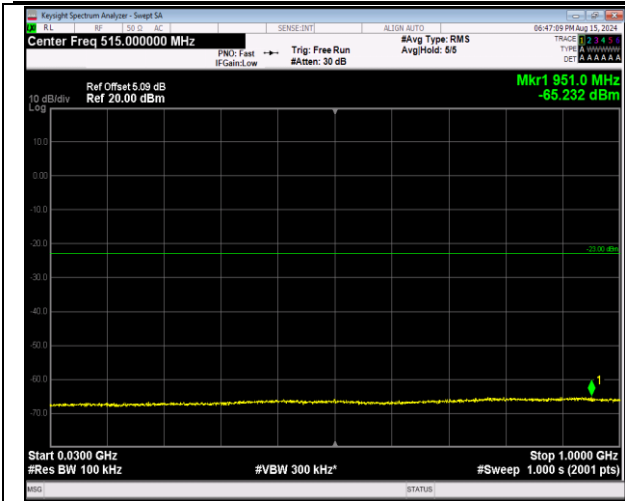
66-66-20MHz-20MHz-QPSK-QPSK-132072-132270-1RB#9
9-0RB#0-1000~20000MHz-PASS



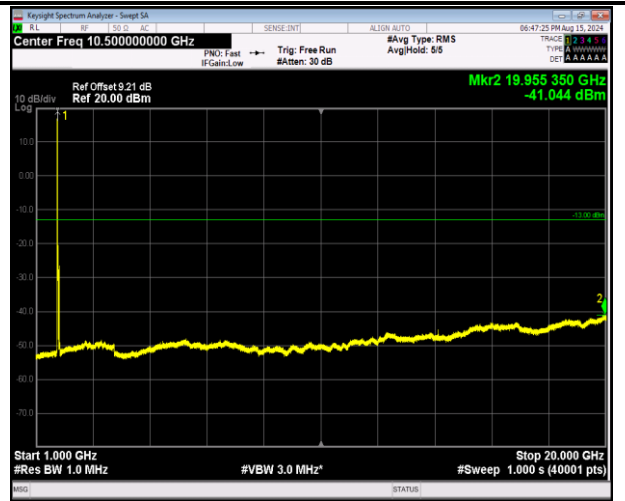
66-66-20MHz-20MHz-QPSK-QPSK-132072-132270-100
RB#0-100RB#0-30~1000MHz-PASS



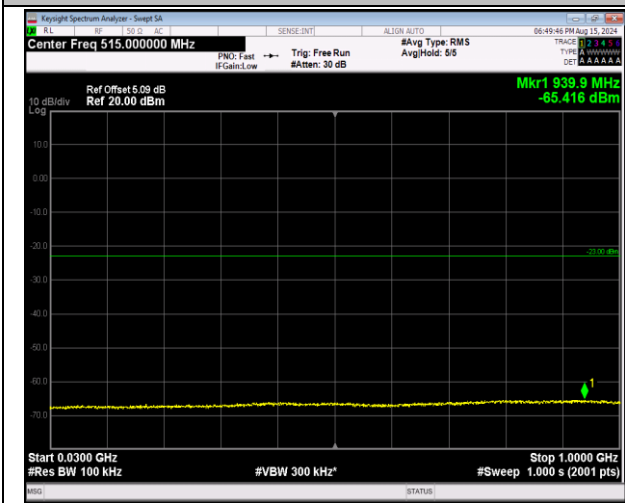
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#0-100RB#0-1000~20000MHz-PASS



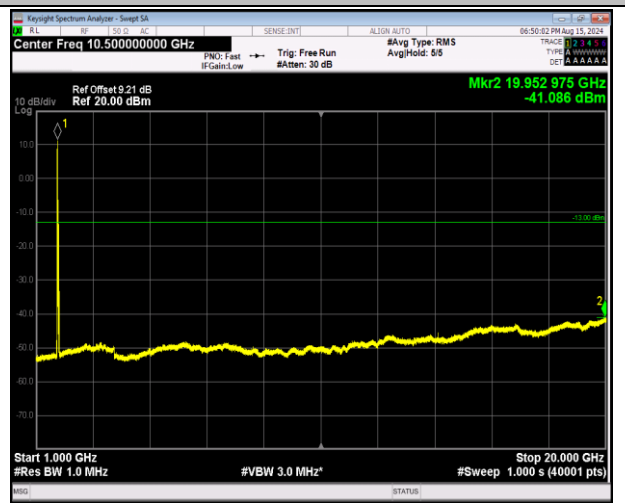
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RB#0-ORB#0-30~1000MHz-PASS



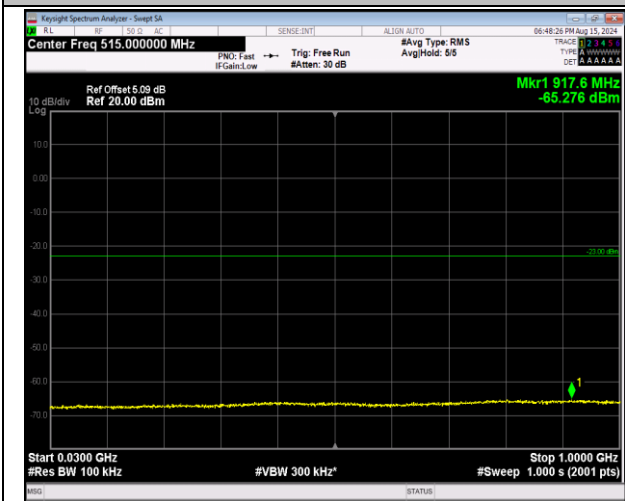
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#0-ORB#0-1000~20000MHz-PASS



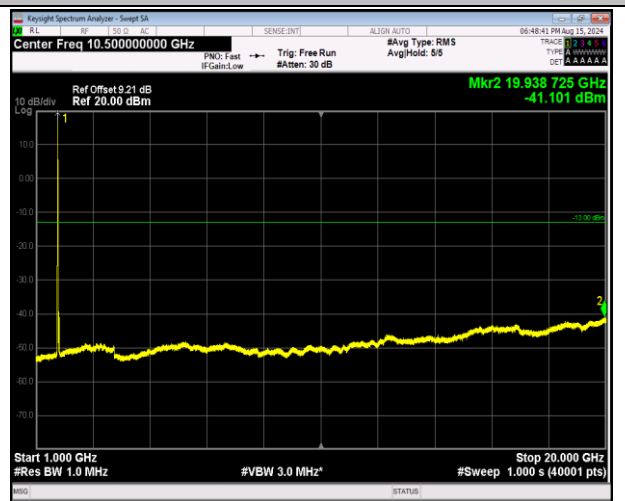
66-66-20MHz-20MHz-16QAM-16QAM-132072-132270-1
RB#0-1RB#99-30~1000MHz-PASS



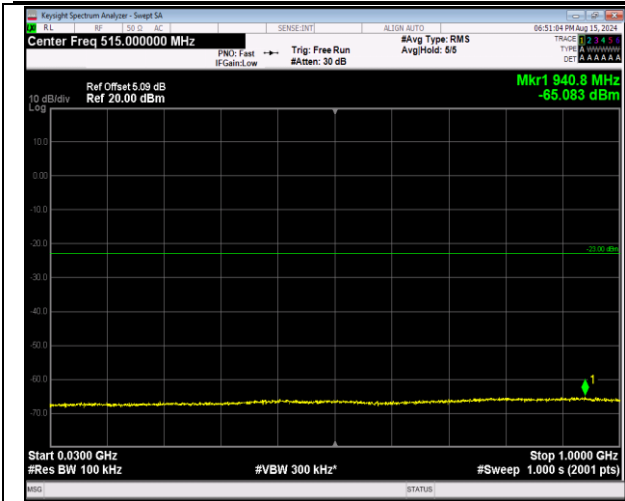
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#0-1RB#99-1000~20000MHz-PASS



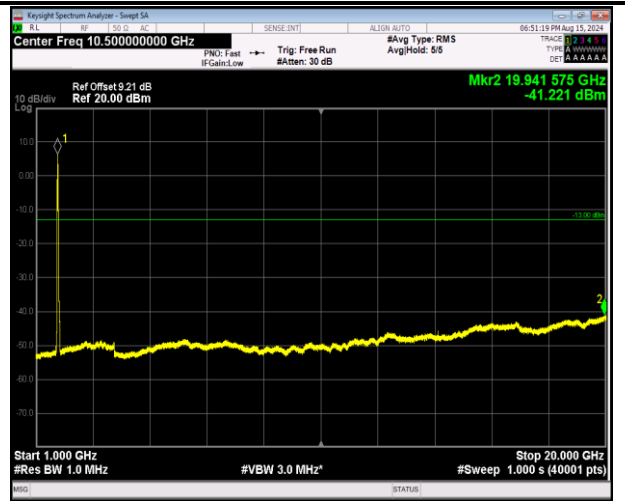
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RB#99-ORB#0-30~1000MHz-PASS



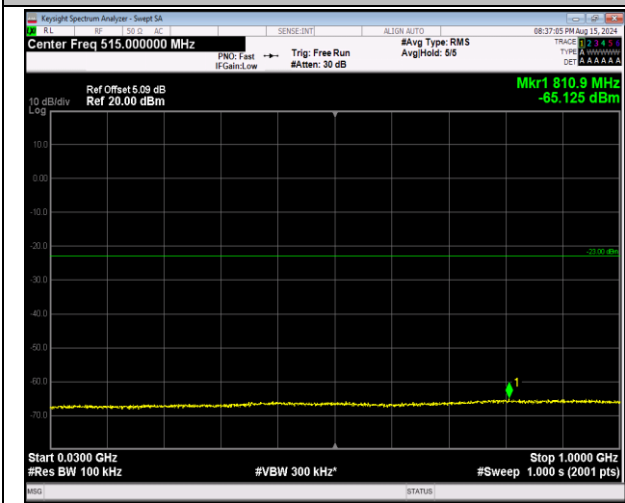
66-66-20MHz-20MHz-16QAM-16QAM-132072-132270-1RB
#99-ORB#0-1000~20000MHz-PASS



66-66-20MHz-20MHz-16QAM-16QAM-132072-132270-100RB#0-100RB#0-30~1000MHz-PASS



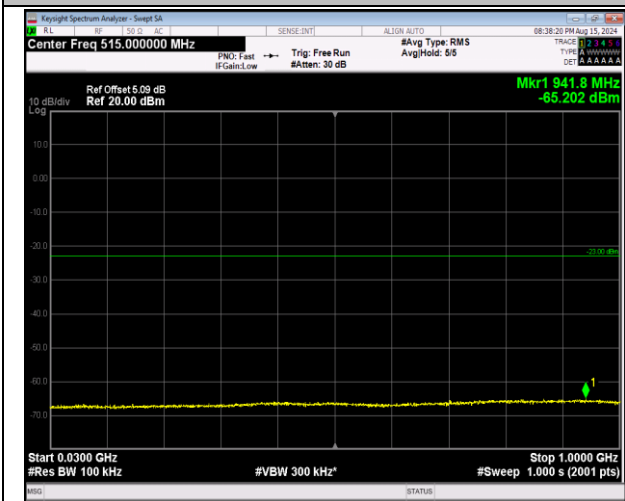
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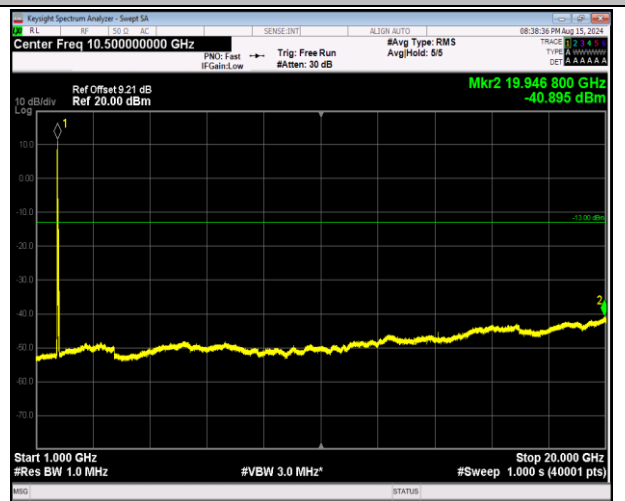
66-66-20MHz-20MHz-64QAM-64QAM-132072-132270-1RB#0-0RB#0-30~1000MHz-PASS



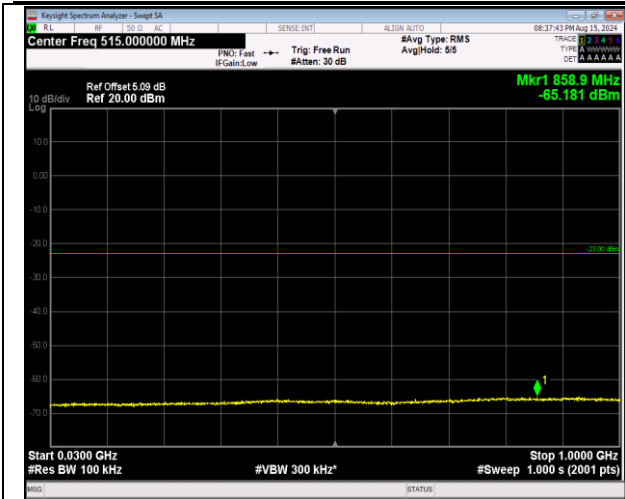
66-66-20MHz-20MHz-64QAM-64QAM-132072-132270-1RB#0-0RB#0-1000~20000MHz-PASS



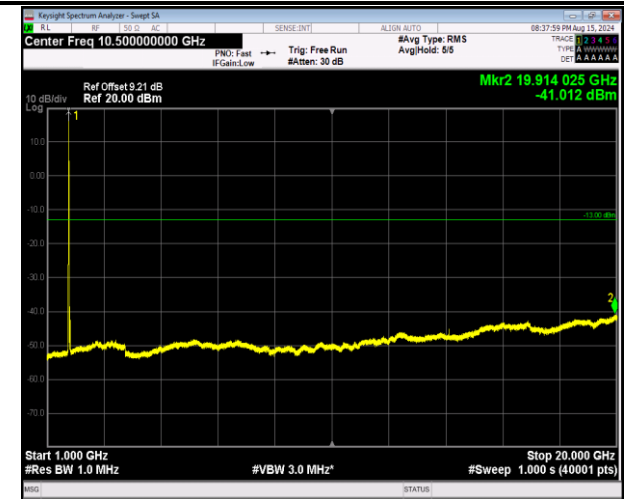
66-66-20MHz-20MHz-64QAM-64QAM-132072-132270-1RB#0-1RB#99-30~1000MHz-PASS



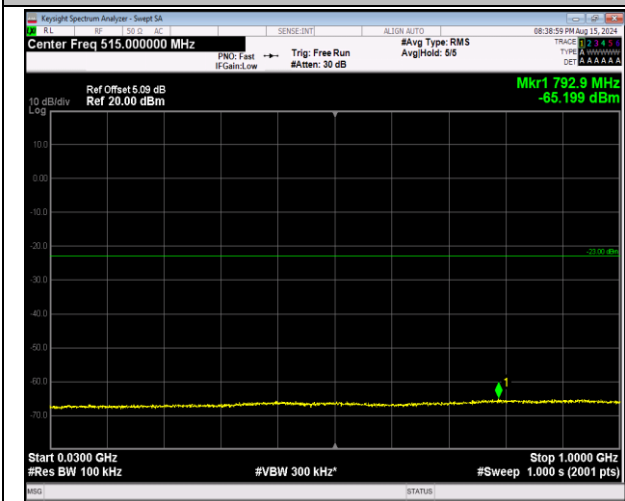
66-66-20MHz-20MHz-64QAM-64QAM-132072-132270-1RB#0-1RB#99-1000~20000MHz-PASS



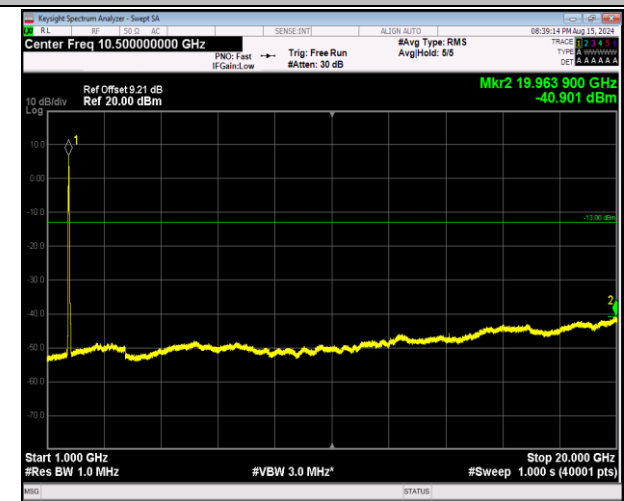
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RB#99-0RB#0-30~1000MHz-PASS



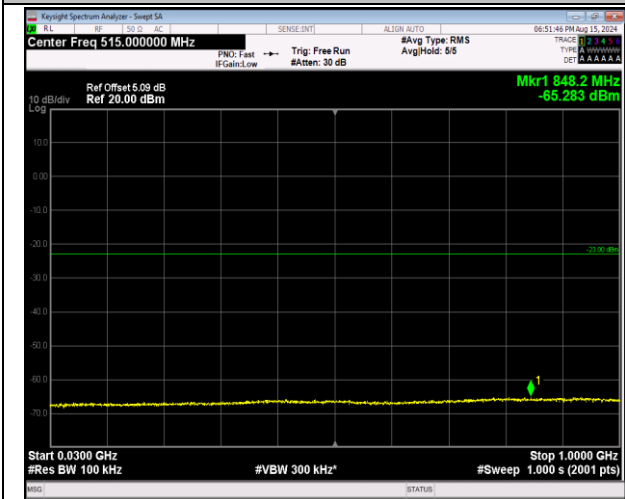
66-66-20MHz-20MHz-64QAM-64QAM-132072-132270-1RB
#99-0RB#0-1000~20000MHz-PASS



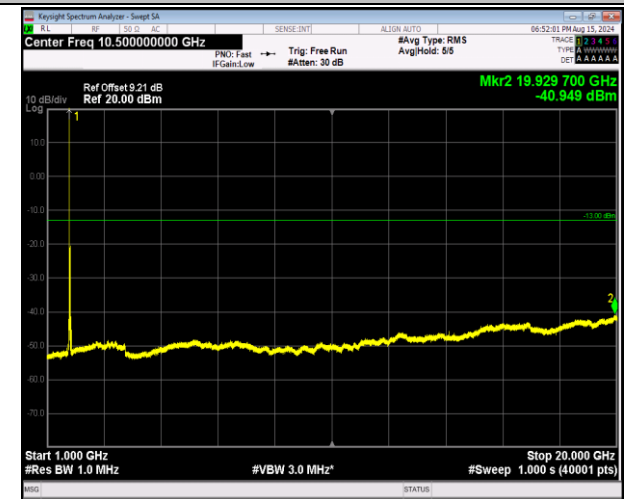
66-66-20MHz-20MHz-64QAM-64QAM-132072-132270-1
00RB#0-100RB#0-30~1000MHz-PASS



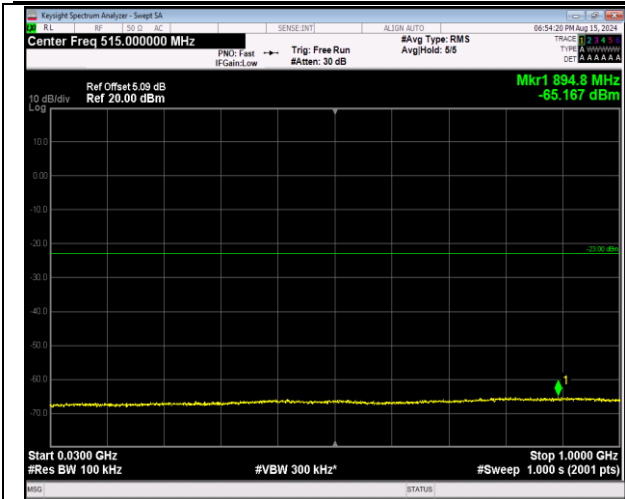
66-66-20MHz-20MHz-64QAM-64QAM-132072-132270-100
RB#0-100RB#0-1000~20000MHz-PASS



66-66-20MHz-20MHz-QPSK-QPSK-132323-132521-1RB
#0-0RB#0-30~1000MHz-PASS



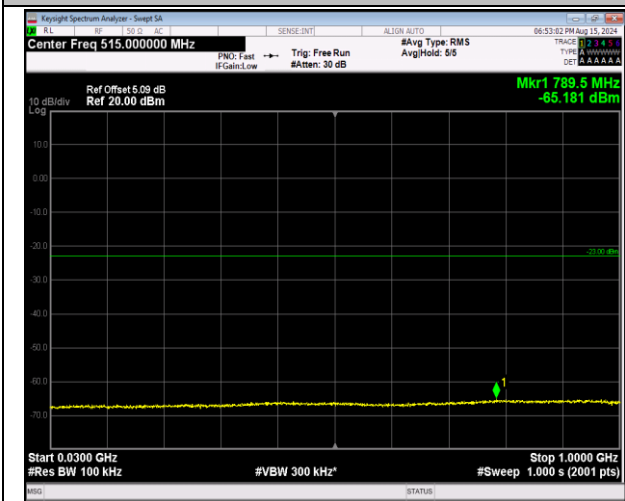
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-0RB#0-1000~20000MHz-PASS



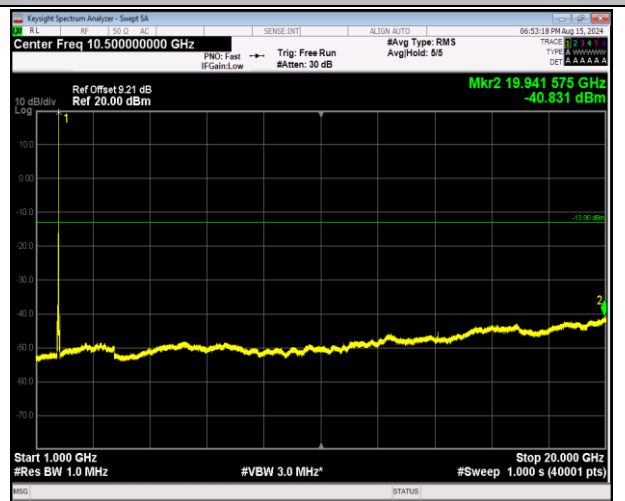
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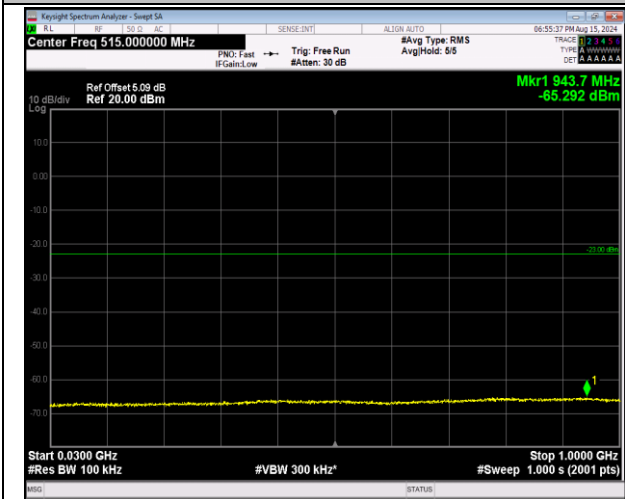
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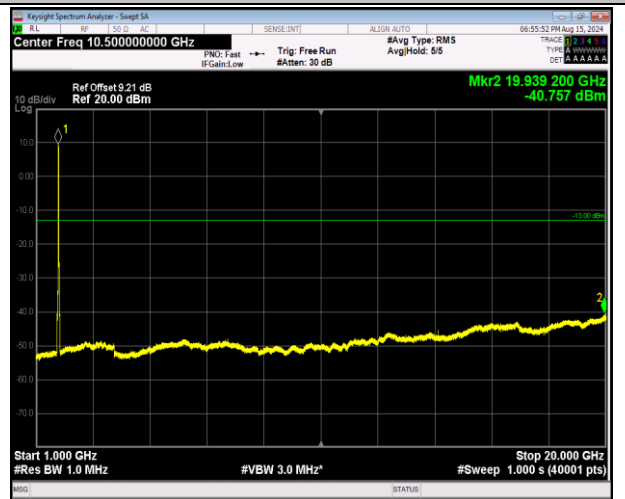
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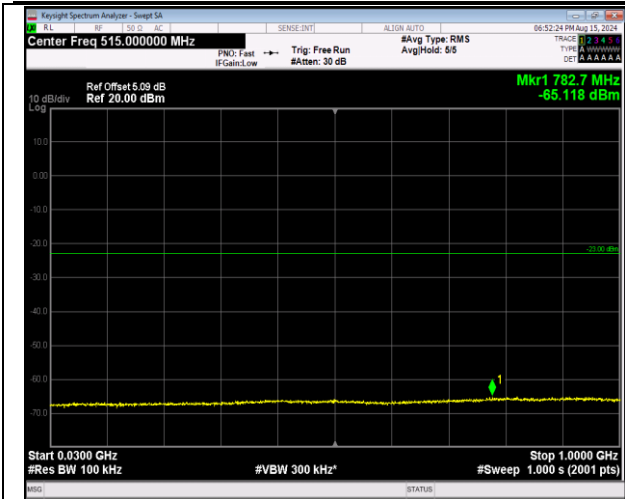
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 9-0RB#0-1000~20000MHz-PASS



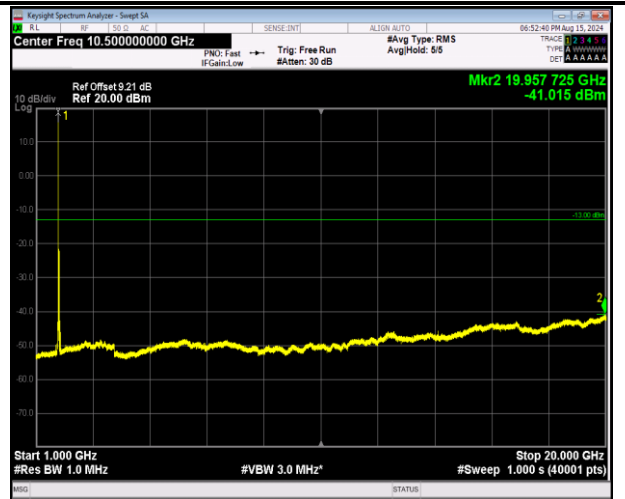
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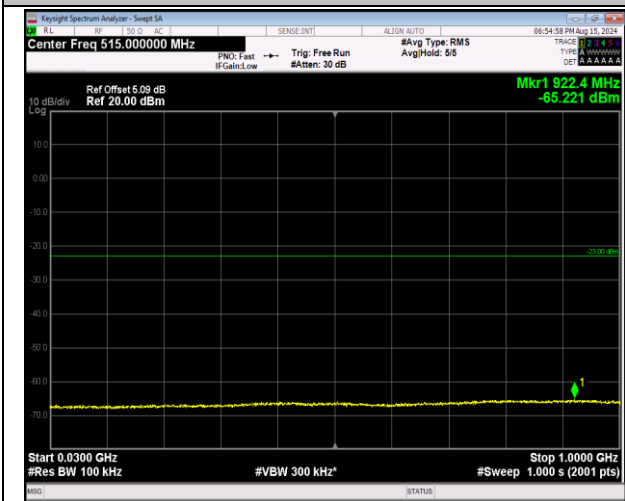
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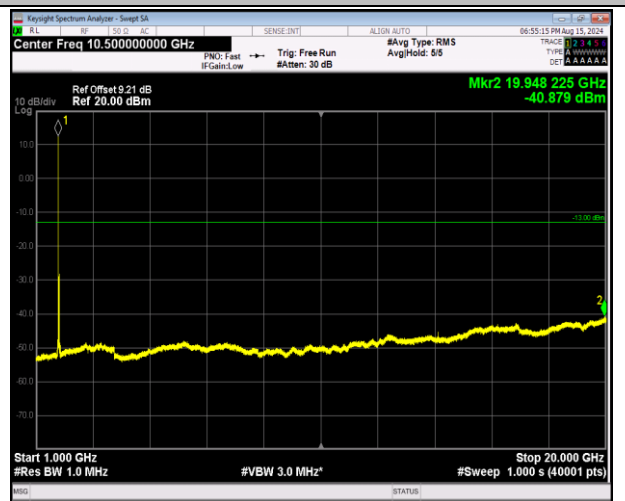
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RB#0-ORB#0-30~1000MHz-PASS



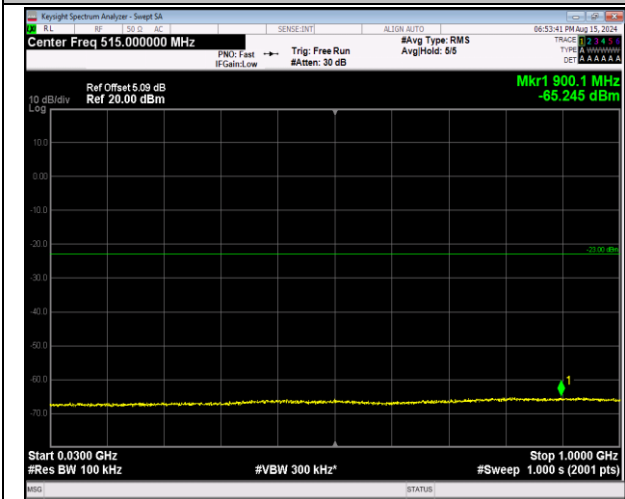
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#0-ORB#0-1000~20000MHz-PASS



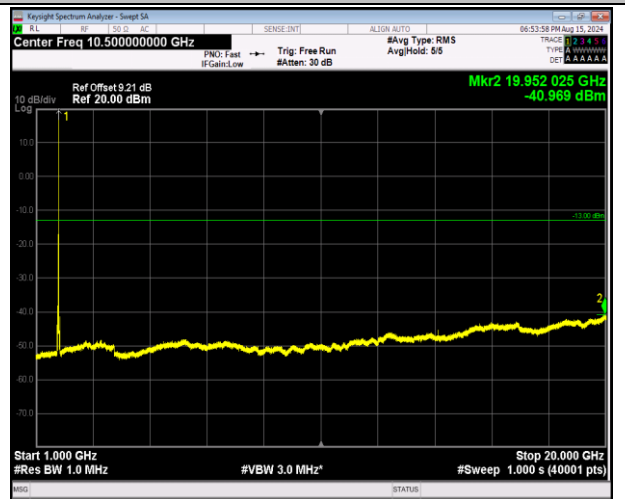
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RB#0-1RB#99-30~1000MHz-PASS



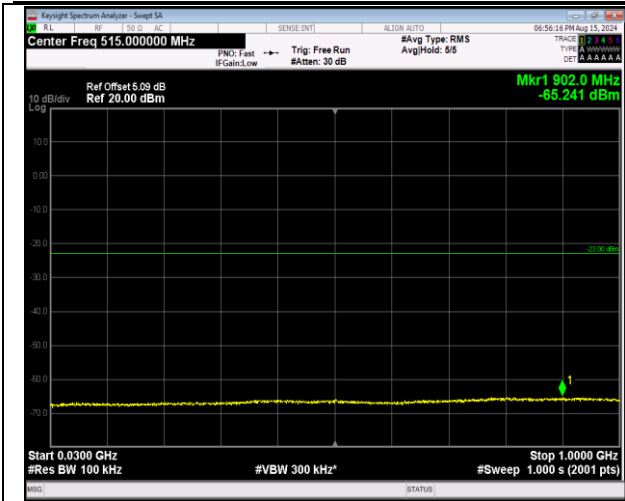
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#0-1RB#99-1000~20000MHz-PASS



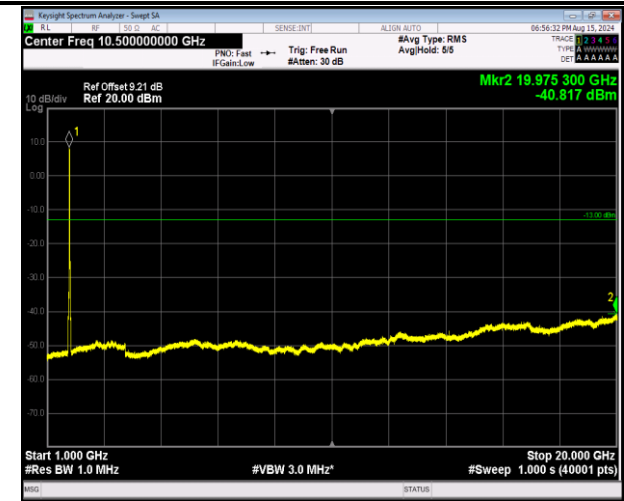
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RB#99-ORB#0-30~1000MHz-PASS



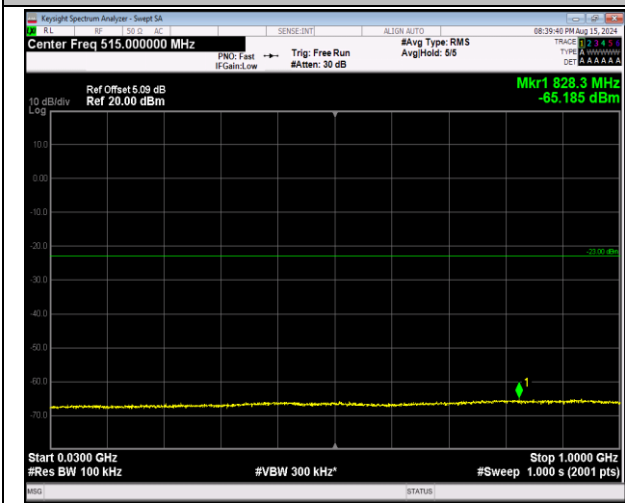
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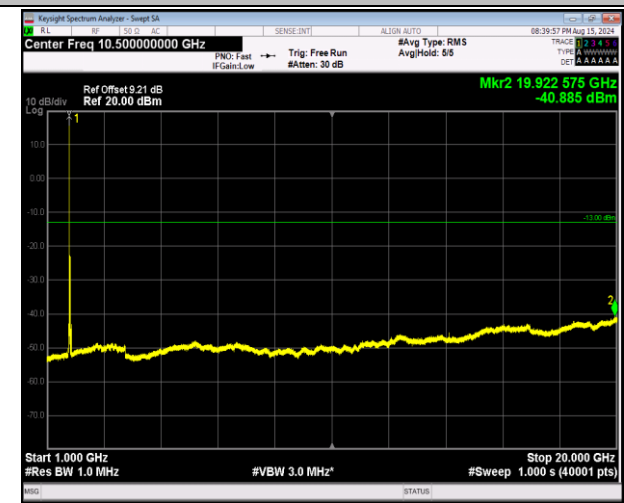
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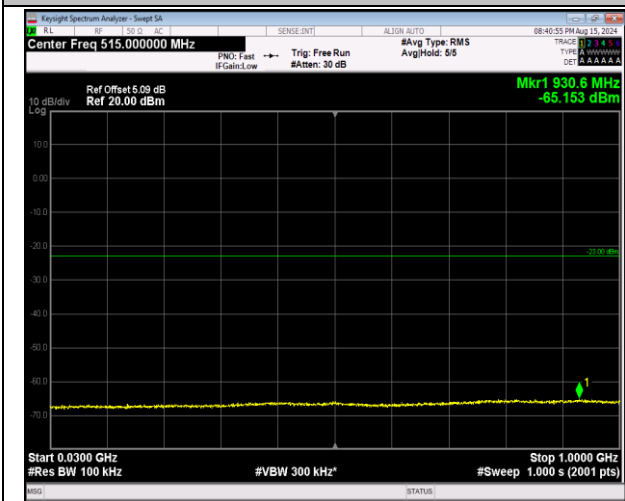
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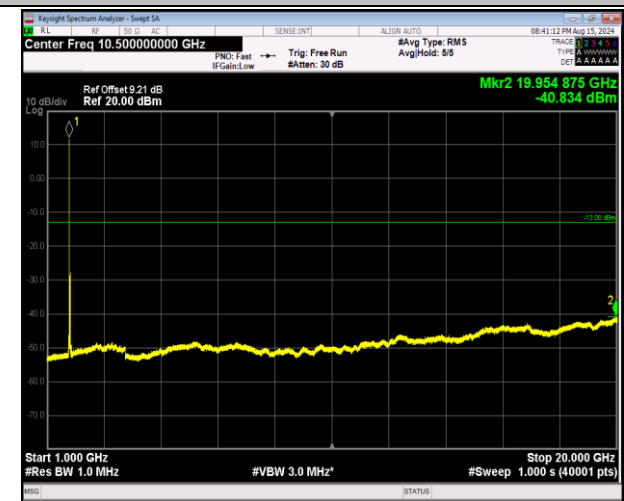
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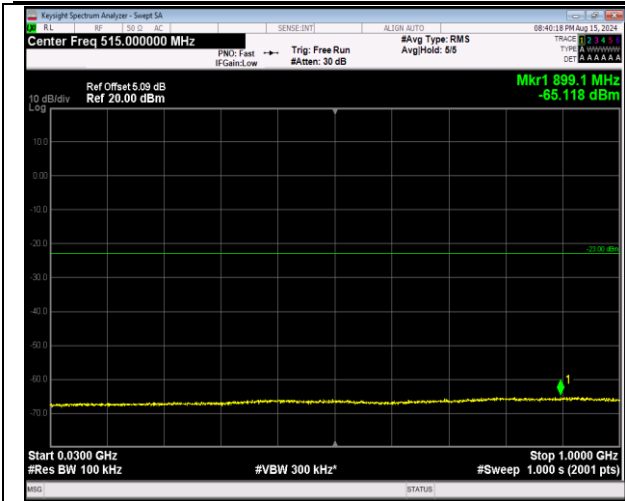
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66-66-20MHz-20MHz-64QAM-64QAM-132323-132521-1RB#0-1RB#99-30~1000MHz-PASS



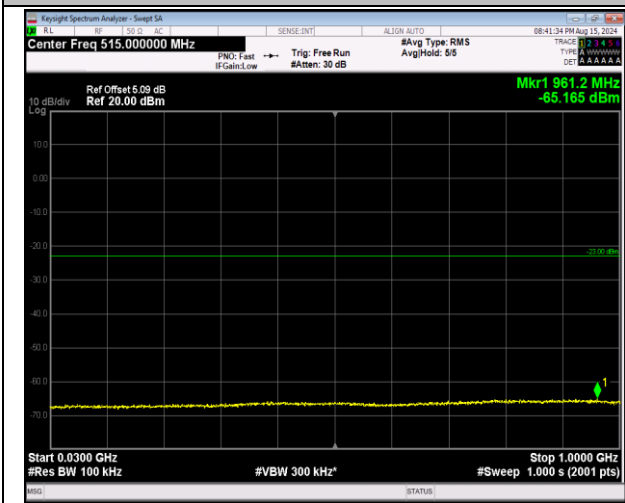
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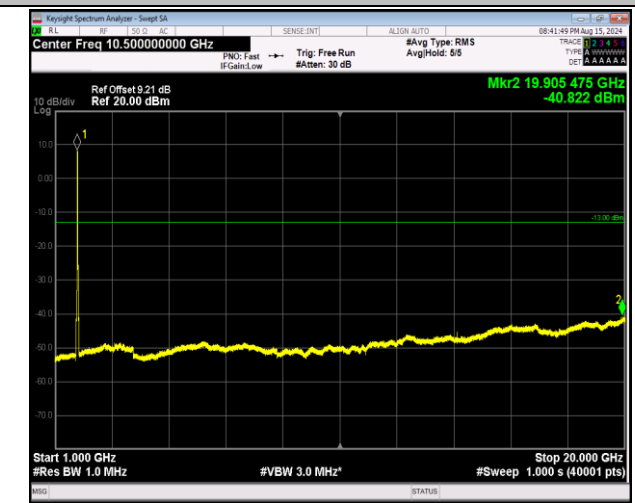
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RB#99-0RB#0-30~1000MHz-PASS



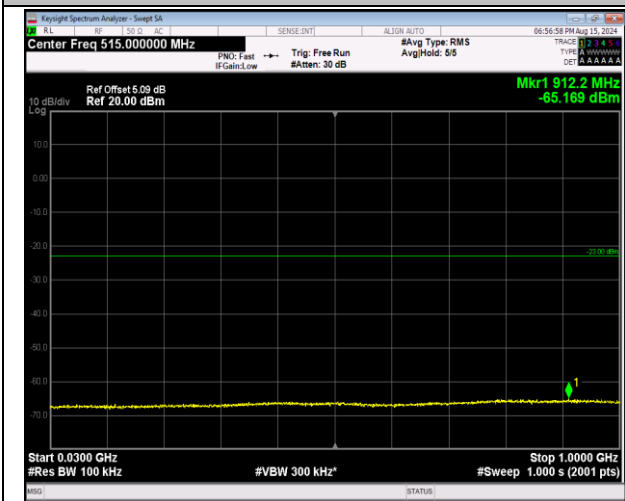
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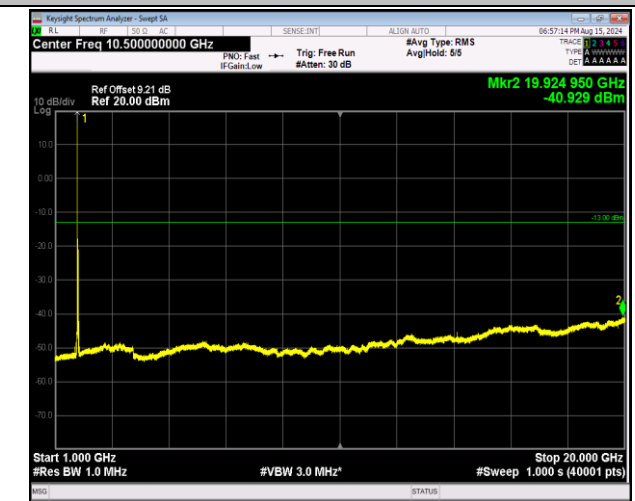
66-66-20MHz-20MHz-64QAM-64QAM-132323-132521-1
00RB#0-100RB#0-30~1000MHz-PASS



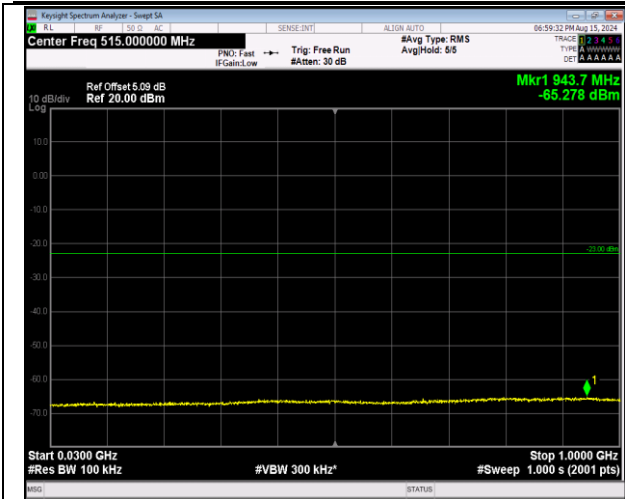
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RB#0-100RB#0-1000~20000MHz-PASS



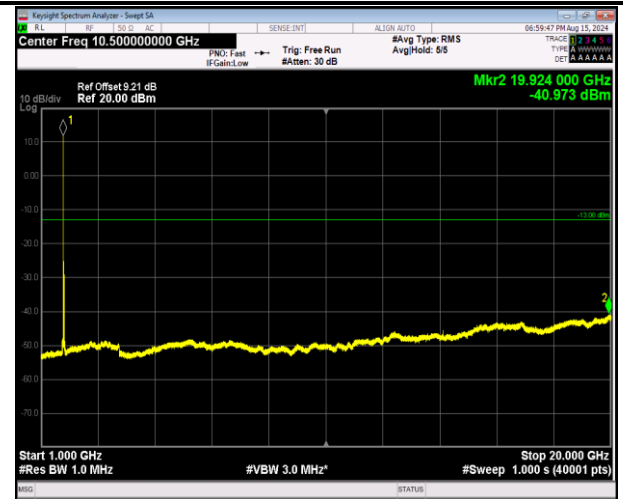
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#0-0RB#0-30~1000MHz-PASS



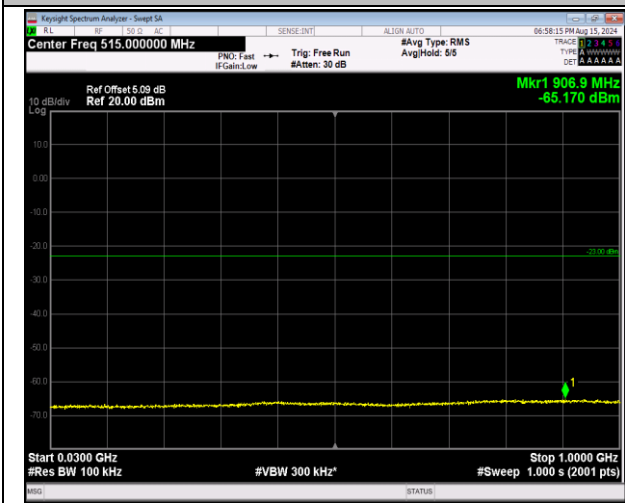
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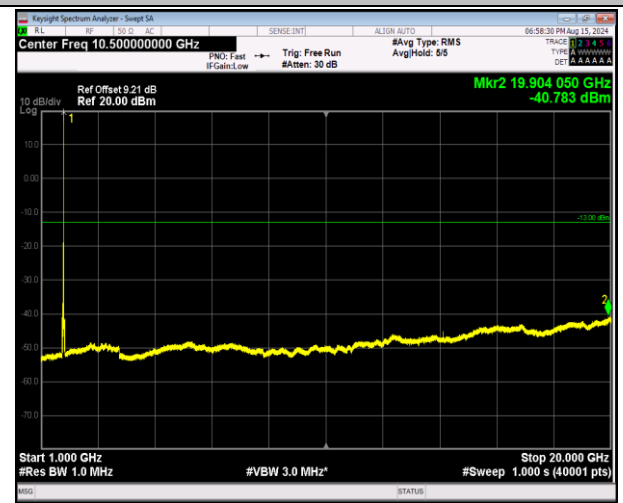
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 #0-1RB#99-30~1000MHz-PASS



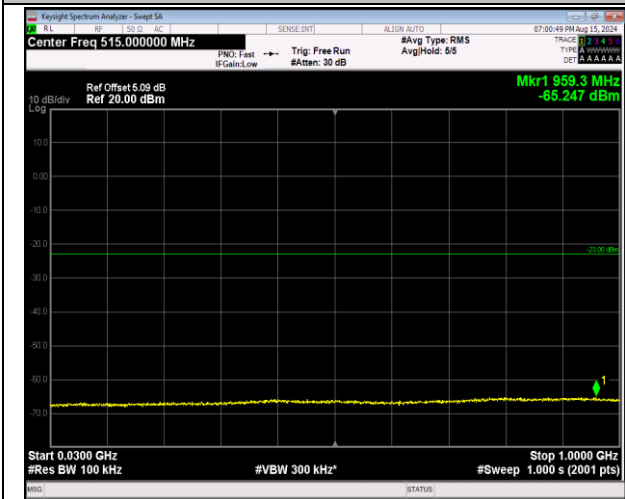
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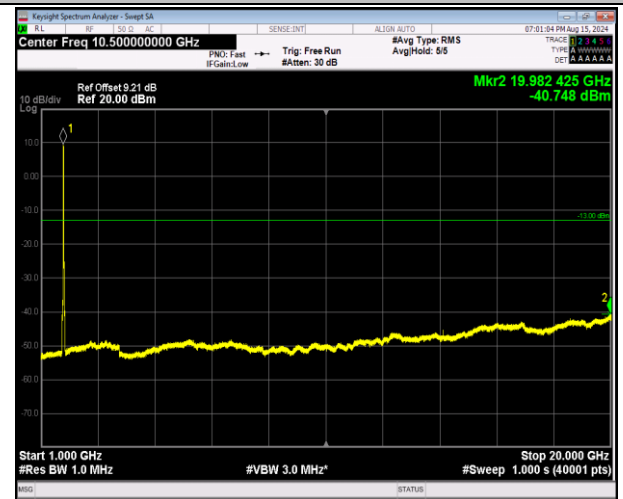
66-66-20MHz-20MHz-QPSK-QPSK-132374-132572-1RB
 #99-0RB#0-30~1000MHz-PASS



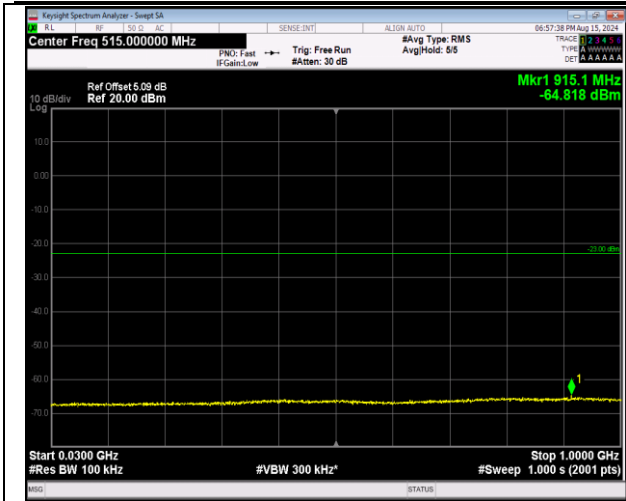
66-66-20MHz-20MHz-QPSK-QPSK-132374-132572-1RB#9
 9-0RB#0-1000~20000MHz-PASS



66-66-20MHz-20MHz-QPSK-QPSK-132374-132572-100
 RB#0-100RB#0-30~1000MHz-PASS



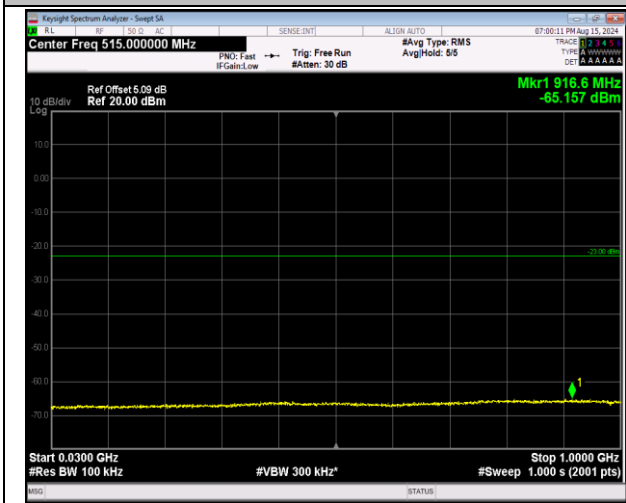
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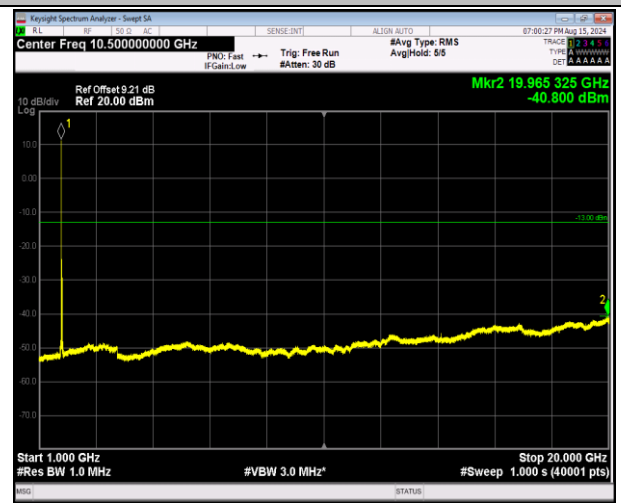
66-66-20MHz-20MHz-16QAM-16QAM-132374-132572-1
 RB#0-ORB#0-30~1000MHz-PASS



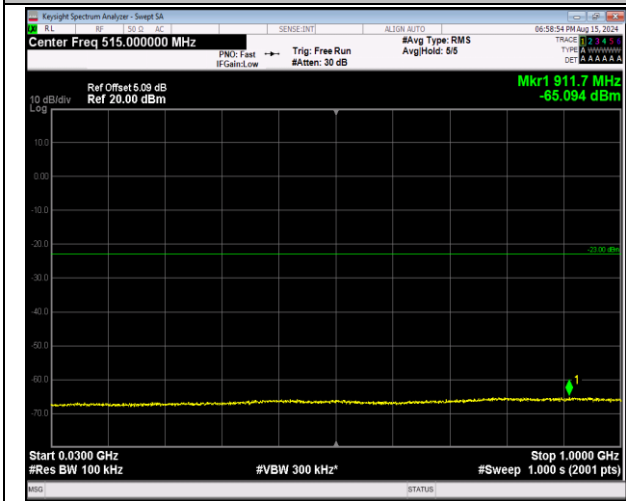
66-66-20MHz-20MHz-16QAM-16QAM-132374-132572-1RB
 #0-ORB#0-1000~20000MHz-PASS



66-66-20MHz-20MHz-16QAM-16QAM-132374-132572-1
 RB#0-1RB#99-30~1000MHz-PASS



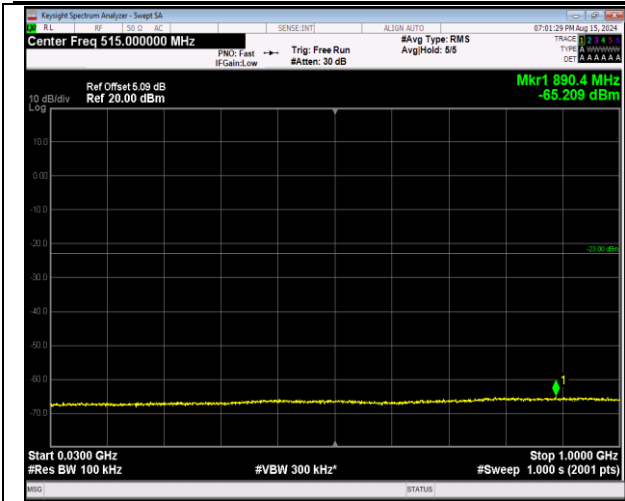
66-66-20MHz-20MHz-16QAM-16QAM-132374-132572-1RB
 #0-1RB#99-1000~20000MHz-PASS



66-66-20MHz-20MHz-16QAM-16QAM-132374-132572-1
 RB#99-ORB#0-30~1000MHz-PASS



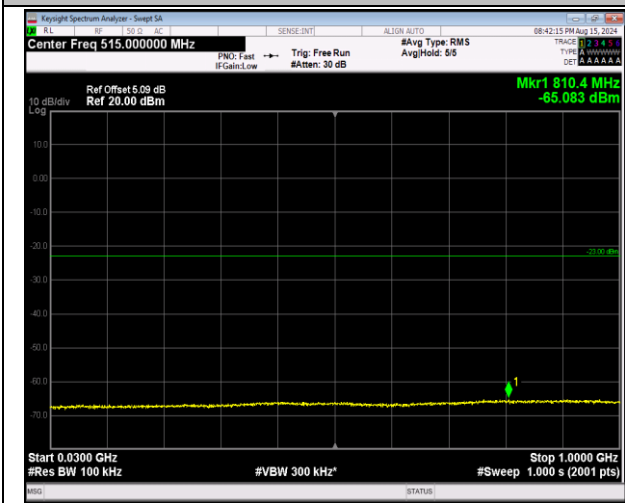
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 #99-ORB#0-1000~20000MHz-PASS



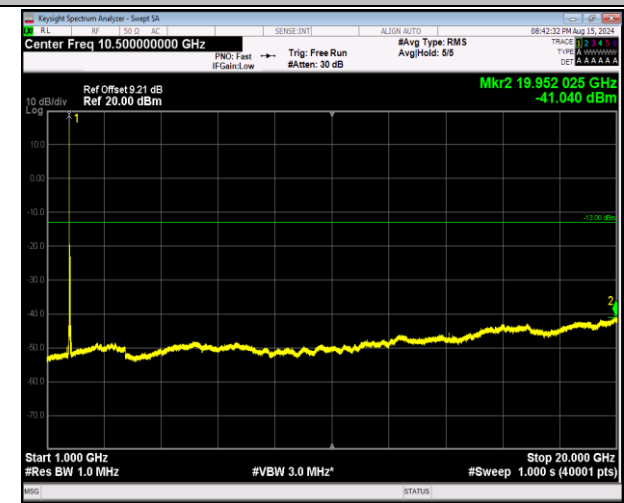
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 00RB#0-100RB#0-30~1000MHz-PASS



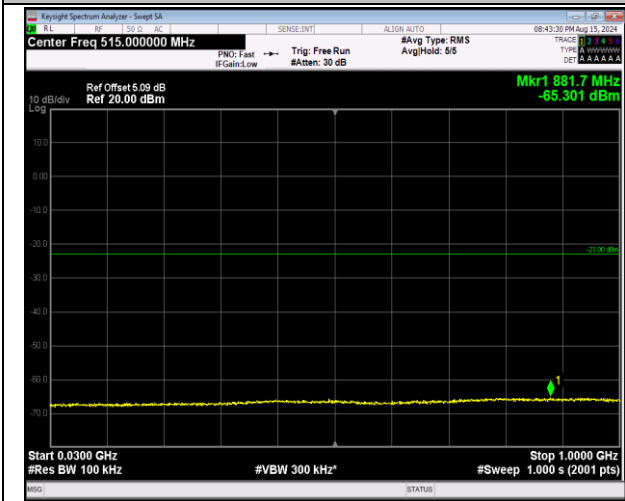
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 RB#0-100RB#0-1000~20000MHz-PASS



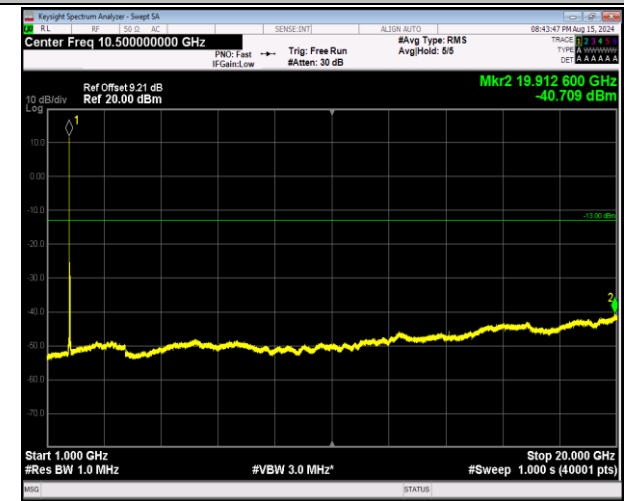
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 RB#0-0RB#0-30~1000MHz-PASS



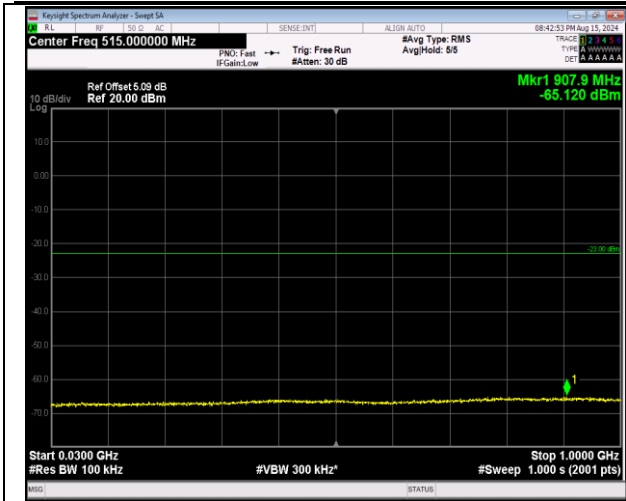
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 #0-0RB#0-1000~20000MHz-PASS



66-66-20MHz-20MHz-64QAM-64QAM-132374-132572-1
 RB#0-1RB#99-30~1000MHz-PASS



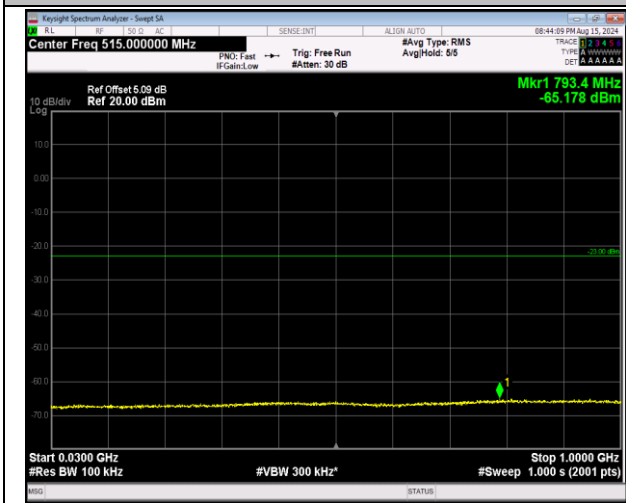
66-66-20MHz-20MHz-64QAM-64QAM-132374-132572-1RB
 #0-1RB#99-1000~20000MHz-PASS



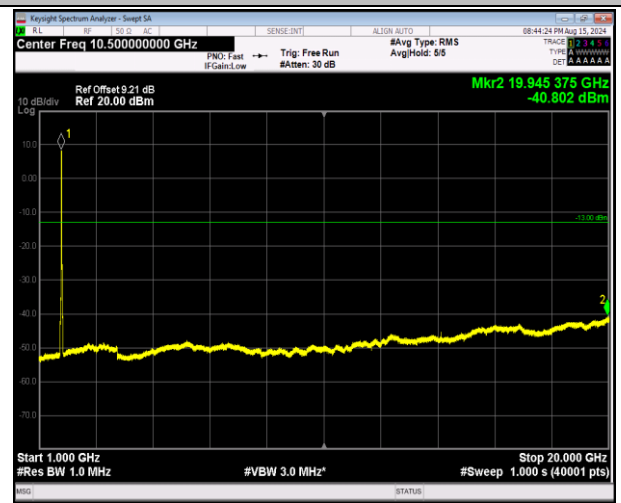
66-66-20MHz-20MHz-64QAM-64QAM-132374-132572-1
RB#99-0RB#0-30~1000MHz-PASS



66-66-20MHz-20MHz-64QAM-64QAM-132374-132572-1RB
#99-0RB#0-1000~20000MHz-PASS



66-66-20MHz-20MHz-64QAM-64QAM-132374-132572-1
00RB#0-100RB#0-30~1000MHz-PASS



66-66-20MHz-20MHz-64QAM-64QAM-132374-132572-100
RB#0-100RB#0-1000~20000MHz-PASS

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	VN	NT	5530.00	2.941489	±NA	PASS
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	VL	NT	-11130.00	-5.920213	±NA	PASS
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	VH	NT	680.00	0.361702	±NA	PASS
2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	VN	NT	4320.00	2.297872	±NA	PASS
2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	VL	NT	10380.00	5.521277	±NA	PASS
2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	VH	NT	9730.00	5.175532	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	VN	NT	-14500.00	-7.712766	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	VL	NT	-1730.00	-0.920213	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	VH	NT	-4730.00	-2.515957	±NA	PASS
5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	VN	NT	2010.00	2.402725	±2.5	PASS
5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	VL	NT	1400.00	1.673540	±2.5	PASS
5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	VH	NT	1790.00	2.139741	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	VN	NT	-1120.00	-1.338832	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	VL	NT	-850.00	-1.016078	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	VH	NT	-1570.00	-1.876756	±2.5	PASS
5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	VN	NT	2020.00	2.414679	±2.5	PASS
5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	VL	NT	-1570.00	-1.876756	±2.5	PASS

5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	VH	NT	-1460.00	-1.745263	±2.5	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	VN	NT	-17330.00	-6.836292	±NA	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	VL	NT	-21730.00	-8.571992	±NA	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	VH	NT	-6940.00	-2.737673	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	VN	NT	1810.00	0.714004	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	VL	NT	-4360.00	-1.719921	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	VH	NT	-1340.00	-0.528600	±NA	PASS
7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	VN	NT	-22660.00	-8.938856	±NA	PASS
7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	VL	NT	-29290.00	-11.554241	±NA	PASS
7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	VH	NT	-24520.00	-9.672584	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	VN	NT	47930.00	18.484381	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	VL	NT	29880.00	11.523332	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	VH	NT	48610.00	18.746626	±NA	PASS
41- 41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	VN	NT	15640.00	6.031624	±NA	PASS
41- 41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	VL	NT	37150.00	14.327034	±NA	PASS
41- 41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	VH	NT	39630.00	15.283455	±NA	PASS
41- 41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	VN	NT	20380.00	7.859622	±NA	PASS
41- 41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	VL	NT	13790.00	5.318164	±NA	PASS
41- 41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	VH	NT	19940.00	7.689934	±NA	PASS
66- 66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	VN	NT	-16690.00	-9.509972	±NA	PASS
66- 66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	VL	NT	-60.00	-0.034188	±NA	PASS

66-66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	VH	NT	-2900.00	-1.652422	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	VN	NT	-3660.00	-2.085470	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	VL	NT	6130.00	3.492877	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	VH	NT	12110.00	6.900285	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	VN	NT	-30450.00	-17.350427	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	VL	NT	-24830.00	-14.148148	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	VH	NT	-18400.00	-10.484330	±NA	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	NV	-30	-9370.00	-4.984043	±NA	PASS
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	NV	-20	2460.00	1.308511	±NA	PASS
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	NV	-10	-4930.00	-2.622340	±NA	PASS
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	NV	0	-1150.00	-0.611702	±NA	PASS
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	NV	10	4600.00	2.446809	±NA	PASS
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	NV	20	-6270.00	-3.335106	±NA	PASS
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	NV	30	10260.00	5.457447	±NA	PASS
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	NV	40	-1890.00	-1.005319	±NA	PASS
2-2	20MHz-20 MHz	QPSK-Q PSK	18801-18 999	100RB#0-1 00RB#0	NV	50	-1370.00	-0.728723	±NA	PASS
2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	NV	-30	10910.00	5.803191	±NA	PASS
2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	NV	-20	21310.00	11.335106	±NA	PASS

2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	NV	-10	10000.00	5.319149	±NA	PASS
2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	NV	0	5130.00	2.728723	±NA	PASS
2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	NV	10	13460.00	7.159574	±NA	PASS
2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	NV	20	8380.00	4.457447	±NA	PASS
2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	NV	30	190.00	0.101064	±NA	PASS
2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	NV	40	12800.00	6.808511	±NA	PASS
2-2	20MHz-20 MHz	16QAM-1 6QAM	18801-18 999	100RB#0-1 00RB#0	NV	50	15120.00	8.042553	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	NV	-30	-17500.00	-9.308511	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	NV	-20	-12580.00	-6.691489	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	NV	-10	-24870.00	-13.228723	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	NV	0	-16170.00	-8.601064	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	NV	10	-2100.00	-1.117021	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	NV	20	-19350.00	-10.292553	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	NV	30	-12090.00	-6.430851	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	NV	40	-16960.00	-9.021277	±NA	PASS
2-2	20MHz-20 MHz	64QAM-6 4QAM	18801-18 999	100RB#0-1 00RB#0	NV	50	-13370.00	-7.111702	±NA	PASS
5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	NV	-30	950.00	1.135617	±2.5	PASS
5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	NV	-20	-810.00	-0.968263	±2.5	PASS
5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	NV	-10	1960.00	2.342956	±2.5	PASS
5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	NV	0	1820.00	2.175602	±2.5	PASS
5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	NV	10	1150.00	1.374694	±2.5	PASS

5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	NV	20	1610.00	1.924571	±2.5	PASS
5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	NV	30	830.00	0.992170	±2.5	PASS
5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	NV	40	1350.00	1.613771	±2.5	PASS
5-5	10MHz-10 MHz	QPSK-Q PSK	20476-20 575	50RB#0-50 RB#0	NV	50	660.00	0.788955	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	NV	-30	-1250.00	-1.494232	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	NV	-20	-810.00	-0.968263	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	NV	-10	-1350.00	-1.613771	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	NV	0	-1750.00	-2.091925	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	NV	10	-1320.00	-1.577909	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	NV	20	-1610.00	-1.924571	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	NV	30	-380.00	-0.454247	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	NV	40	-1310.00	-1.565955	±2.5	PASS
5-5	10MHz-10 MHz	16QAM-1 6QAM	20476-20 575	50RB#0-50 RB#0	NV	50	-640.00	-0.765047	±2.5	PASS
5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	NV	-30	1100.00	1.314924	±2.5	PASS
5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	NV	-20	1860.00	2.223418	±2.5	PASS
5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	NV	-10	1680.00	2.008248	±2.5	PASS
5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	NV	0	-1010.00	-1.207340	±2.5	PASS
5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	NV	10	-2050.00	-2.450541	±2.5	PASS
5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	NV	20	1780.00	2.127787	±2.5	PASS
5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	NV	30	-1650.00	-1.972387	±2.5	PASS
5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	NV	40	-1620.00	-1.936525	±2.5	PASS

5-5	10MHz-10 MHz	64QAM-6 4QAM	20476-20 575	50RB#0-50 RB#0	NV	50	-1440.00	-1.721356	±2.5	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	NV	-30	-13180.00	-5.199211	±NA	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	NV	-20	-16380.00	-6.461538	±NA	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	NV	-10	-5600.00	-2.209073	±NA	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	NV	0	-12450.00	-4.911243	±NA	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	NV	10	-1110.00	-0.437870	±NA	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	NV	20	-34610.00	-13.652860	±NA	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	NV	30	-17520.00	-6.911243	±NA	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	NV	40	-4680.00	-1.846154	±NA	PASS
7-7	20MHz-20 MHz	QPSK-Q PSK	21001-21 199	100RB#0-1 00RB#0	NV	50	-12170.00	-4.800789	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	NV	-30	-8940.00	-3.526627	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	NV	-20	-3070.00	-1.211045	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	NV	-10	-13510.00	-5.329389	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	NV	0	-9250.00	-3.648915	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	NV	10	1400.00	0.552268	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	NV	20	-9330.00	-3.680473	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	NV	30	-11980.00	-4.725838	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	NV	40	-10350.00	-4.082840	±NA	PASS
7-7	20MHz-20 MHz	16QAM-1 6QAM	21001-21 199	100RB#0-1 00RB#0	NV	50	-11170.00	-4.406312	±NA	PASS
7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	NV	-30	-13060.00	-5.151874	±NA	PASS
7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	NV	-20	-18390.00	-7.254438	±NA	PASS

7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	NV	-10	-32760.00	-12.923077	±NA	PASS
7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	NV	0	-19410.00	-7.656805	±NA	PASS
7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	NV	10	-14380.00	-5.672584	±NA	PASS
7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	NV	20	-35000.00	-13.806706	±NA	PASS
7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	NV	30	-25890.00	-10.213018	±NA	PASS
7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	NV	40	-40490.00	-15.972387	±NA	PASS
7-7	20MHz-20 MHz	64QAM-6 4QAM	21001-21 199	100RB#0-1 00RB#0	NV	50	-42150.00	-16.627219	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	NV	-30	35110.00	13.540301	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	NV	-20	40460.00	15.603548	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	NV	-10	46580.00	17.963749	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	NV	0	25810.00	9.953722	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	NV	10	49920.00	19.251832	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	NV	20	55760.00	21.504049	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	NV	30	40430.00	15.591978	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	NV	40	26130.00	10.077131	±NA	PASS
41- 41	20MHz-20 MHz	QPSK-Q PSK	40521-40 719	100RB#0-1 00RB#0	NV	50	35520.00	13.698419	±NA	PASS
41- 41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	NV	-30	61870.00	23.860393	±NA	PASS
41- 41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	NV	-20	22320.00	8.607790	±NA	PASS
41- 41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	NV	-10	21190.00	8.172002	±NA	PASS
41- 41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	NV	0	16670.00	6.428847	±NA	PASS
41- 41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	NV	10	53040.00	20.455071	±NA	PASS

41-41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	NV	20	21240.00	8.191284	±NA	PASS
41-41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	NV	30	23320.00	8.993444	±NA	PASS
41-41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	NV	40	26110.00	10.069418	±NA	PASS
41-41	20MHz-20 MHz	16QAM-1 6QAM	40521-40 719	100RB#0-1 00RB#0	NV	50	10870.00	4.192056	±NA	PASS
41-41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	NV	-30	20000.00	7.713074	±NA	PASS
41-41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	NV	-20	20670.00	7.971462	±NA	PASS
41-41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	NV	-10	20380.00	7.859622	±NA	PASS
41-41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	NV	0	12560.00	4.843810	±NA	PASS
41-41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	NV	10	12470.00	4.809101	±NA	PASS
41-41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	NV	20	12910.00	4.978789	±NA	PASS
41-41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	NV	30	12690.00	4.893945	±NA	PASS
41-41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	NV	40	13710.00	5.287312	±NA	PASS
41-41	20MHz-20 MHz	64QAM-6 4QAM	40521-40 719	100RB#0-1 00RB#0	NV	50	19360.00	7.466255	±NA	PASS
66-66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	NV	-30	-9590.00	-5.464387	±NA	PASS
66-66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	NV	-20	-7760.00	-4.421652	±NA	PASS
66-66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	NV	-10	-5840.00	-3.327635	±NA	PASS
66-66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	NV	0	5000.00	2.849003	±NA	PASS
66-66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	NV	10	-2610.00	-1.487179	±NA	PASS
66-66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	NV	20	-4270.00	-2.433048	±NA	PASS
66-66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	NV	30	-9720.00	-5.538462	±NA	PASS
66-66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	NV	40	-2770.00	-1.578348	±NA	PASS

66-66	20MHz-20 MHz	QPSK-Q PSK	132323-1 32521	100RB#0-1 00RB#0	NV	50	-910.00	-0.518519	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	NV	-30	660.00	0.376068	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	NV	-20	11340.00	6.461538	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	NV	-10	9400.00	5.356125	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	NV	0	8350.00	4.757835	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	NV	10	9510.00	5.418803	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	NV	20	3210.00	1.829060	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	NV	30	1710.00	0.974359	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	NV	40	-3600.00	-2.051282	±NA	PASS
66-66	20MHz-20 MHz	16QAM-1 6QAM	132323-1 32521	100RB#0-1 00RB#0	NV	50	10900.00	6.210826	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	NV	-30	-18630.00	-10.615385	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	NV	-20	-27130.00	-15.458689	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	NV	-10	-28120.00	-16.022792	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	NV	0	-28650.00	-16.324786	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	NV	10	-17930.00	-10.216524	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	NV	20	-18970.00	-10.809117	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	NV	30	10820.00	6.165242	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	NV	40	-20460.00	-11.658120	±NA	PASS
66-66	20MHz-20 MHz	64QAM-6 4QAM	132323-1 32521	100RB#0-1 00RB#0	NV	50	-31920.00	-18.188034	±NA	PASS