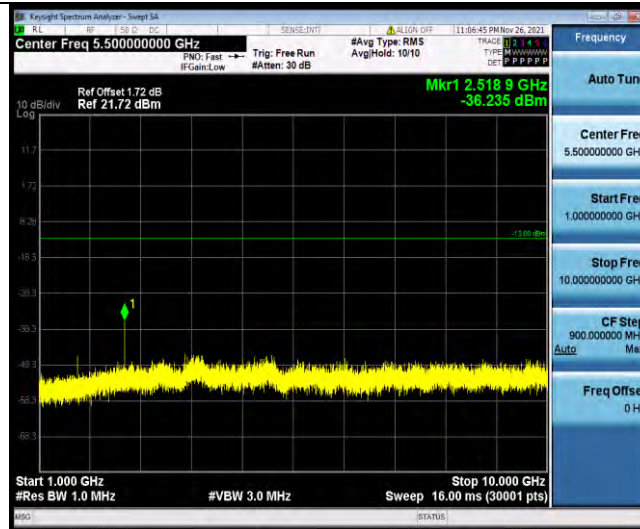


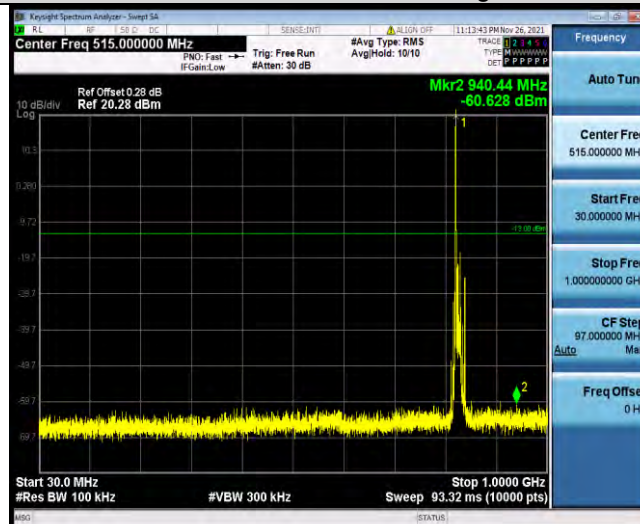


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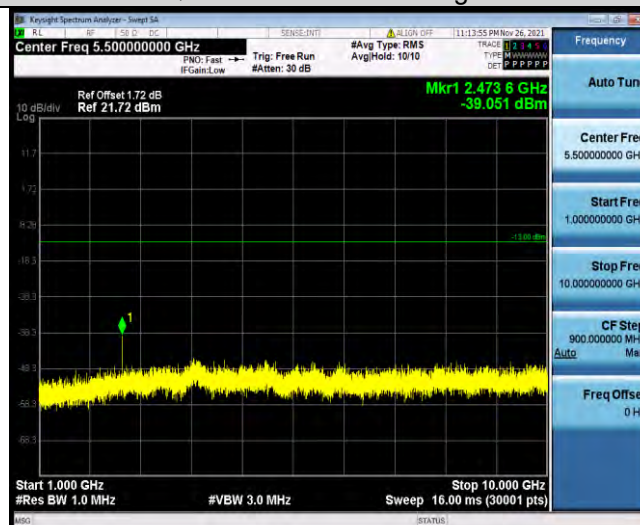
Test Report No.: W7L-P21110027RF01



Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



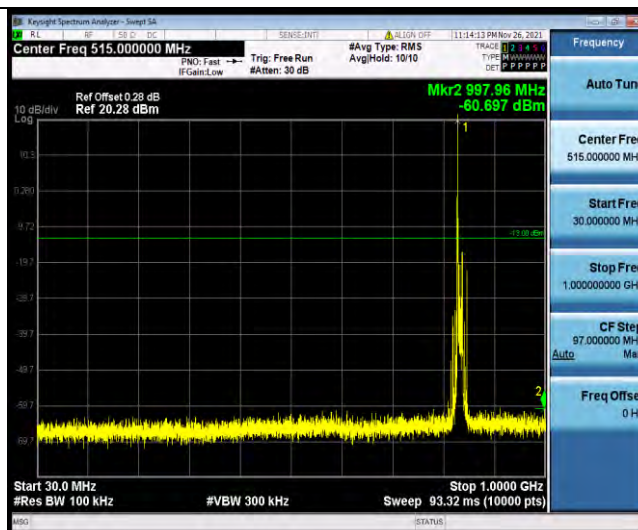
Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



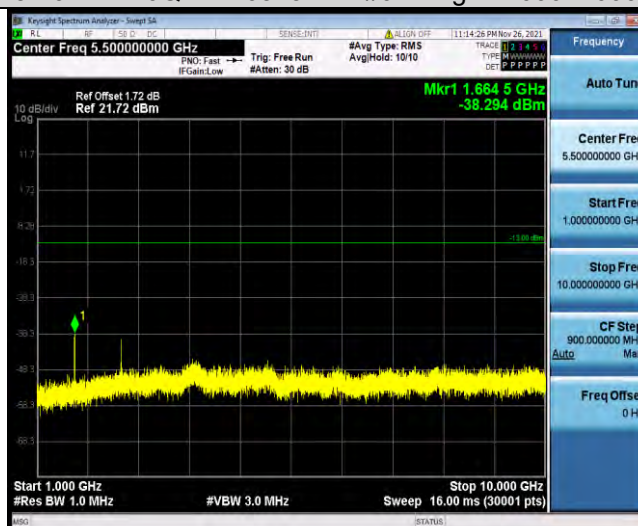
Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



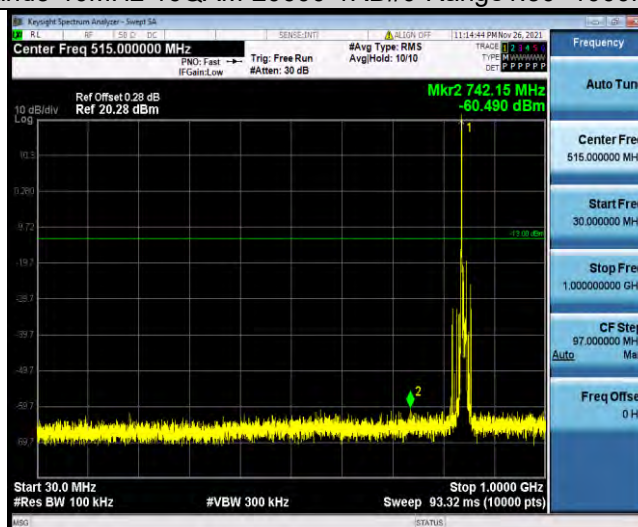
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Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz

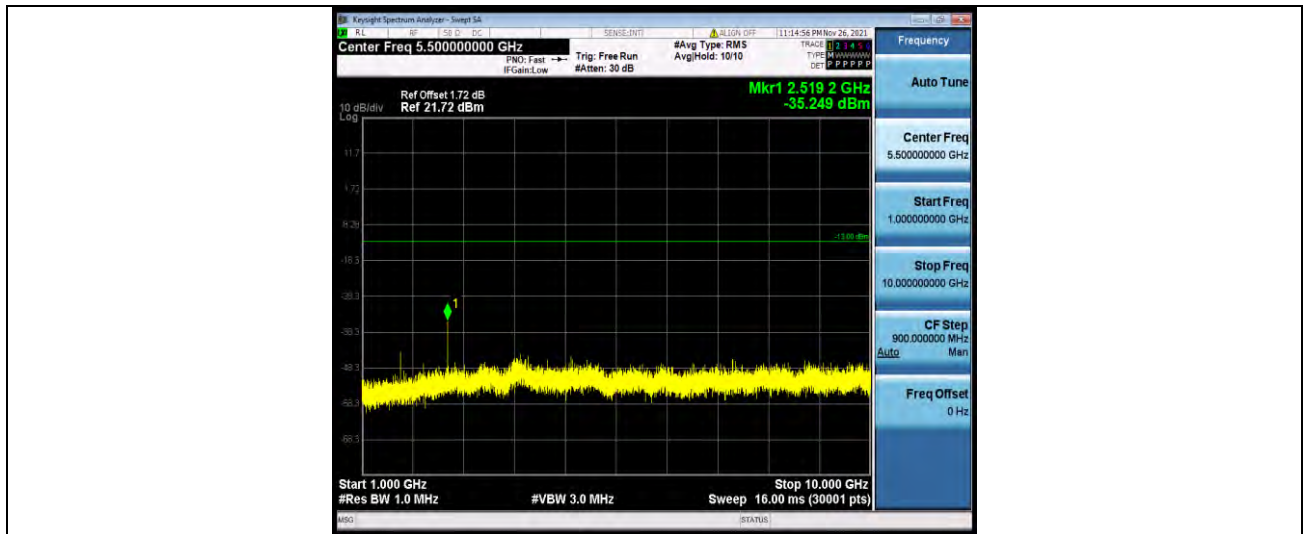


Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz



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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
Band5	1.4MHz	QPSK	20407	6RB#0	VL	NT	5.26	0.006378	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VN	NT	8.45	0.010246	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VH	NT	6.28	0.007615	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VL	NT	-6.15	-0.007352	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VN	NT	11.07	0.013234	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VH	NT	-28.00	-0.033473	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VL	NT	-32.64	-0.038477	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VN	NT	-12.13	-0.014299	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VH	NT	-14.66	-0.017282	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VL	NT	10.39	0.012599	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VN	NT	-3.05	-0.003698	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VH	NT	18.63	0.022590	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VL	NT	16.25	0.019426	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VN	NT	7.11	0.008500	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VH	NT	3.93	0.004698	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VL	NT	-25.05	-0.029530	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VN	NT	-39.81	-0.046929	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VH	NT	-12.93	-0.015242	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VL	NT	-20.17	-0.024434	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VN	NT	-8.94	-0.010830	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VH	NT	-21.64	-0.026214	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VL	NT	-26.35	-0.031500	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VN	NT	-18.05	-0.021578	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VH	NT	-32.32	-0.038637	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VL	NT	-31.97	-0.037723	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VN	NT	-11.16	-0.013168	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VH	NT	-26.02	-0.030702	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VL	NT	-14.42	-0.017468	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VN	NT	-19.91	-0.024119	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VH	NT	-10.04	-0.012162	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VL	NT	-11.79	-0.014094	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VN	NT	-21.39	-0.025571	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VH	NT	-9.74	-0.011644	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VL	NT	-14.52	-0.017133	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VN	NT	-26.66	-0.031457	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VH	NT	-6.48	-0.007646	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VL	NT	-31.76	-0.038427	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VN	NT	4.95	0.005989	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VH	NT	-17.17	-0.020774	±2.5	PASS



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Band5	5MHz	QPSK	20525	25RB#0	VL	NT	-34.96	-0.041793	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VN	NT	-12.23	-0.014620	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VH	NT	-20.61	-0.024638	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VL	NT	-34.90	-0.041229	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VN	NT	-14.49	-0.017118	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VH	NT	-22.43	-0.026497	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VL	NT	4.31	0.005215	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VN	NT	-14.22	-0.017205	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VH	NT	12.72	0.015390	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VL	NT	-18.65	-0.022295	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VN	NT	-31.71	-0.037908	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VH	NT	-13.13	-0.015696	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VL	NT	-21.24	-0.025092	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VN	NT	-31.64	-0.037377	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VH	NT	-14.06	-0.016610	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	-17.08	-0.020603	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-15.54	-0.018745	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-2.82	-0.003402	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-15.25	-0.018231	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	5.31	0.006348	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-13.43	-0.016055	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-17.88	-0.021185	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-13.48	-0.015972	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-14.09	-0.016694	±2.5	PASS
Band5	10MHz	16QAM	20450	27RB#0	VL	NT	-11.69	-0.014101	±2.5	PASS
Band5	10MHz	16QAM	20450	27RB#0	VN	NT	-15.52	-0.018721	±2.5	PASS
Band5	10MHz	16QAM	20450	27RB#0	VH	NT	-21.41	-0.025826	±2.5	PASS
Band5	10MHz	16QAM	20525	27RB#0	VL	NT	-15.21	-0.018183	±2.5	PASS
Band5	10MHz	16QAM	20525	27RB#0	VN	NT	-5.19	-0.006204	±2.5	PASS
Band5	10MHz	16QAM	20525	27RB#0	VH	NT	-34.02	-0.040669	±2.5	PASS
Band5	10MHz	16QAM	20600	27RB#0	VL	NT	-27.77	-0.032903	±2.5	PASS
Band5	10MHz	16QAM	20600	27RB#0	VN	NT	-5.71	-0.006765	±2.5	PASS
Band5	10MHz	16QAM	20600	27RB#0	VH	NT	-35.15	-0.041647	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	5.49	0.006657	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	3.20	0.003880	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	14.00	0.016976	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-6.57	-0.007967	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	15.32	0.018576	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	-30.23	-0.036139	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	-38.55	-0.046085	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-30.54	-0.036509	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	-22.67	-0.027101	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-16.58	-0.019821	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	-20.81	-0.024531	±2.5	PASS



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Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	-21.97	-0.025899	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	-29.67	-0.034976	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	-29.70	-0.035011	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	-26.18	-0.030862	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	16.94	0.020541	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	12.97	0.015727	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	-6.75	-0.008185	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	12.92	0.015666	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	17.25	0.020917	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	-8.60	-0.010281	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	-7.61	-0.009097	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	15.54	0.018577	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	13.48	0.016115	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	9.38	0.011213	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	15.36	0.018107	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	3.39	0.003996	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-12.77	-0.015054	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	6.97	0.008216	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-5.15	-0.006071	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	-19.67	-0.023828	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	-19.56	-0.023695	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	-18.50	-0.022411	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	-35.55	-0.043065	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	-30.80	-0.037311	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	-38.90	-0.046503	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	-28.11	-0.033604	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	-23.90	-0.028571	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	-16.16	-0.019319	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	-35.05	-0.041901	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	-32.54	-0.038395	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	-28.18	-0.033251	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	-22.70	-0.026785	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	-32.72	-0.038608	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	-15.49	-0.018277	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	-9.26	-0.011217	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	-7.72	-0.009352	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	-7.25	-0.008783	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	-14.42	-0.017468	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	-19.41	-0.023513	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	-9.24	-0.011046	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	-14.05	-0.016796	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	-15.49	-0.018518	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	-19.34	-0.023120	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	-20.20	-0.024148	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	-6.21	-0.007327	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	-6.85	-0.008083	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	-6.72	-0.007929	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	-4.75	-0.005605	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	-10.26	-0.012106	±2.5	PASS



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Band5	5MHz	QPSK	20425	25RB#0	NV	-30	-23.33	-0.028227	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	-28.97	-0.035051	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	-30.61	-0.037036	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	-31.49	-0.038100	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	-40.53	-0.049038	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	-27.81	-0.033246	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	-33.47	-0.040012	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	-38.58	-0.046121	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	-18.14	-0.021686	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	-23.07	-0.027579	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	-31.91	-0.037696	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	-35.38	-0.041796	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	-11.86	-0.014011	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	-16.64	-0.019657	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	-25.42	-0.030030	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	-9.68	-0.011712	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	-6.19	-0.007489	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	-3.13	-0.003787	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	7.04	0.008518	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	-4.59	-0.005554	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	-11.79	-0.014094	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	-7.65	-0.009145	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	-2.63	-0.003144	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	-3.58	-0.004280	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	3.82	0.004567	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	-9.77	-0.011542	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	-7.04	-0.008317	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	-3.18	-0.003757	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	5.06	0.005978	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	3.92	0.004631	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-14.02	-0.016912	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-8.90	-0.010736	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	8.64	0.010422	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	8.44	0.010181	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	4.85	0.005850	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-12.43	-0.014860	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-10.94	-0.013078	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-11.56	-0.013819	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-9.16	-0.010950	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-6.58	-0.007866	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-6.71	-0.007950	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-2.99	-0.003543	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	6.58	0.007796	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-11.84	-0.014028	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-13.22	-0.015664	±2.5	PASS
Band5	10MHz	16QAM	20450	27RB#0	NV	-30	-30.80	-0.037153	±2.5	PASS
Band5	10MHz	16QAM	20450	27RB#0	NV	-20	-9.54	-0.011508	±2.5	PASS
Band5	10MHz	16QAM	20450	27RB#0	NV	0	-15.64	-0.018866	±2.5	PASS
Band5	10MHz	16QAM	20450	27RB#0	NV	10	-25.05	-0.030217	±2.5	PASS



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Band5	10MHz	16QAM	20450	27RB#0	NV	20	-29.84	-0.035995	±2.5	PASS
Band5	10MHz	16QAM	20525	27RB#0	NV	-30	-17.57	-0.021004	±2.5	PASS
Band5	10MHz	16QAM	20525	27RB#0	NV	-20	-23.13	-0.027651	±2.5	PASS
Band5	10MHz	16QAM	20525	27RB#0	NV	0	-31.16	-0.037250	±2.5	PASS
Band5	10MHz	16QAM	20525	27RB#0	NV	10	-14.35	-0.017155	±2.5	PASS
Band5	10MHz	16QAM	20525	27RB#0	NV	20	-17.64	-0.021088	±2.5	PASS
Band5	10MHz	16QAM	20600	27RB#0	NV	-30	-10.30	-0.012204	±2.5	PASS
Band5	10MHz	16QAM	20600	27RB#0	NV	-20	-13.22	-0.015664	±2.5	PASS
Band5	10MHz	16QAM	20600	27RB#0	NV	0	-14.42	-0.017085	±2.5	PASS
Band5	10MHz	16QAM	20600	27RB#0	NV	10	-15.12	-0.017915	±2.5	PASS
Band5	10MHz	16QAM	20600	27RB#0	NV	20	-20.44	-0.024218	±2.5	PASS

---END---