



Band41-20MHz-16QAM-40620-1RB#0-Range4:1000~3000MHz



Band41-20MHz-16QAM-40620-1RB#0-Range5:3000~26500MHz



Band41-20MHz-16QAM-41490-1RB#0-Range1:0.009~0.15MHz



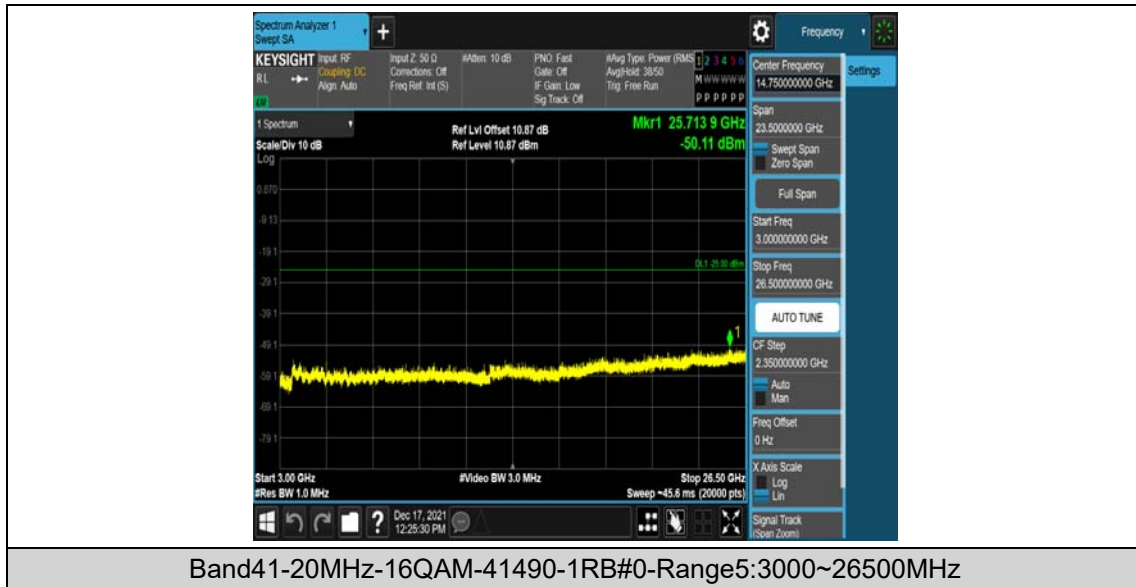
Band41-20MHz-16QAM-41490-1RB#0-Range2:0.15~30MHz



Band41-20MHz-16QAM-41490-1RB#0-Range3:30~1000MHz



Band41-20MHz-16QAM-41490-1RB#0-Range4:1000~3000MHz



Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band41	5MHz	QPSK	39675	25RB#0	VL	NT	-15.88	-0.006356	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	VN	NT	-9.71	-0.003886	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	VH	NT	-13.55	-0.005423	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	VL	NT	-12.19	-0.004701	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	VN	NT	-13.15	-0.005071	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	VH	NT	3.88	0.001496	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	VL	NT	-8.81	-0.003278	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	VN	NT	-10.83	-0.004030	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	VH	NT	-5.14	-0.001913	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	VL	NT	-6.01	-0.002405	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	VN	NT	-15.78	-0.006316	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	VH	NT	-11.99	-0.004799	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	VL	NT	4.22	0.001627	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	VN	NT	5.21	0.002009	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	VH	NT	-5.09	-0.001963	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	VL	NT	3.91	0.001455	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	VN	NT	11.26	0.004190	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	VH	NT	7.75	0.002884	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VL	NT	7.70	0.003079	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VN	NT	-6.41	-0.002563	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VH	NT	8.75	0.003499	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VL	NT	5.02	0.001936	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VN	NT	7.81	0.003012	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VH	NT	9.27	0.003575	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VL	NT	-4.88	-0.001818	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VN	NT	-7.34	-0.002734	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VH	NT	-5.76	-0.002145	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	VL	NT	11.72	0.004686	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	VN	NT	-5.26	-0.002103	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	VH	NT	8.97	0.003587	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	VL	NT	14.56	0.005615	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	VN	NT	4.65	0.001793	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	VH	NT	7.37	0.002842	±2.5	PASS

Band41	10MHz	16QAM	41540	50RB#0	VL	NT	10.83	0.004034	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	VN	NT	7.37	0.002745	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	VH	NT	-4.26	-0.001587	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	VL	NT	6.69	0.002672	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	VN	NT	-7.41	-0.002960	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	VH	NT	7.67	0.003064	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	VL	NT	9.31	0.003590	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	VN	NT	3.79	0.001462	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	VH	NT	5.59	0.002156	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	VL	NT	7.21	0.002688	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	VN	NT	8.35	0.003113	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	VH	NT	8.58	0.003199	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	VL	NT	8.24	0.003291	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	VN	NT	12.40	0.004953	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	VH	NT	11.74	0.004689	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	VL	NT	-6.15	-0.002372	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	VN	NT	11.22	0.004327	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	VH	NT	5.58	0.002152	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	VL	NT	9.04	0.003370	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	VN	NT	4.92	0.001834	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	VH	NT	9.11	0.003396	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VL	NT	6.88	0.002745	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	5.61	0.002239	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	8.90	0.003551	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	3.83	0.001477	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-5.61	-0.002164	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-4.65	-0.001793	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	6.18	0.002306	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	-4.61	-0.001720	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	-7.28	-0.002716	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	-7.10	-0.002833	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	-5.56	-0.002219	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	6.91	0.002757	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	-5.84	-0.002252	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	-5.22	-0.002013	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	7.67	0.002958	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	8.25	0.003078	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	5.72	0.002134	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	6.97	0.002601	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	NV	-30	-8.68	-0.003474	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	-20	-11.60	-0.004643	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	0	-11.16	-0.004467	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	10	-10.60	-0.004243	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	20	-14.25	-0.005703	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-30	6.91	0.002665	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-20	-12.10	-0.004666	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	0	-9.10	-0.003509	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	10	-7.51	-0.002896	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	20	6.17	0.002379	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-30	7.40	0.002753	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-20	-8.70	-0.003237	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	0	9.94	0.003699	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	10	-5.45	-0.002028	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	20	-4.11	-0.001529	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-30	-19.40	-0.007765	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-20	-15.81	-0.006328	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	0	-11.06	-0.004427	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	10	-27.09	-0.010843	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	20	-21.40	-0.008565	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-30	-6.27	-0.002418	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-20	8.41	0.003243	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	0	8.91	0.003436	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	10	9.31	0.003590	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	20	4.08	0.001573	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-30	11.27	0.004193	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-20	4.79	0.001782	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	0	14.81	0.005511	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	10	7.87	0.002928	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	20	6.17	0.002296	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-30	-8.96	-0.003583	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-20	6.98	0.002791	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	0	5.89	0.002355	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	10	5.39	0.002155	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	20	9.28	0.003711	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-30	9.78	0.003772	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-20	8.93	0.003444	±2.5	PASS

Band41	10MHz	QPSK	40620	50RB#0	NV	0	8.48	0.003270	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	10	8.04	0.003101	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	20	10.34	0.003988	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-30	8.07	0.003006	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-20	7.87	0.002931	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	0	9.06	0.003374	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	10	10.93	0.004071	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	20	-5.85	-0.002179	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	-30	5.97	0.002387	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	-20	-6.18	-0.002471	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	0	8.90	0.003559	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	10	6.54	0.002615	±2.5	PASS
Band41	10MHz	16QAM	39700	50RB#0	NV	20	7.11	0.002843	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	-30	11.84	0.004566	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	-20	8.35	0.003220	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	0	13.50	0.005206	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	10	10.03	0.003868	±2.5	PASS
Band41	10MHz	16QAM	40620	50RB#0	NV	20	15.19	0.005858	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	-30	5.74	0.002138	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	-20	4.78	0.001780	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	0	5.84	0.002175	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	10	6.05	0.002253	±2.5	PASS
Band41	10MHz	16QAM	41540	50RB#0	NV	20	5.02	0.001870	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-30	8.10	0.003235	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-20	7.67	0.003064	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	0	-5.98	-0.002389	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	10	9.23	0.003687	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	20	6.44	0.002572	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-30	8.80	0.003394	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-20	12.76	0.004921	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	0	8.34	0.003216	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	10	5.89	0.002272	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	20	-8.33	-0.003212	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-30	8.05	0.003001	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-20	8.50	0.003169	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	0	7.17	0.002673	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	10	15.75	0.005871	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	20	4.98	0.001856	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	-30	7.47	0.002984	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	-20	-7.10	-0.002836	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	0	6.57	0.002624	±2.5	PASS

Band41	15MHz	16QAM	39725	75RB#0	NV	10	12.19	0.004869	±2.5	PASS
Band41	15MHz	16QAM	39725	75RB#0	NV	20	8.67	0.003463	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	-30	11.73	0.004524	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	-20	7.15	0.002757	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	0	4.99	0.001924	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	10	8.70	0.003355	±2.5	PASS
Band41	15MHz	16QAM	40620	75RB#0	NV	20	7.71	0.002973	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	-30	5.74	0.002140	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	-20	6.07	0.002263	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	0	6.95	0.002591	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	10	9.66	0.003601	±2.5	PASS
Band41	15MHz	16QAM	41515	75RB#0	NV	20	4.23	0.001577	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	6.62	0.002642	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	5.99	0.002390	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	8.51	0.003396	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	-7.60	-0.003033	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	5.34	0.002131	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-5.95	-0.002295	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-7.64	-0.002946	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-4.46	-0.001720	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	5.21	0.002009	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	13.02	0.005021	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	12.10	0.004515	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	7.24	0.002701	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	10.91	0.004071	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	8.80	0.003284	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	5.46	0.002037	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-30	-8.33	-0.003324	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	9.60	0.003831	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	10.76	0.004294	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	10	8.17	0.003260	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	20	7.22	0.002881	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-30	5.34	0.002059	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	-8.64	-0.003332	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	0	8.40	0.003239	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	3.66	0.001411	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	3.92	0.001512	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-30	-5.24	-0.001955	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	4.12	0.001537	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	10.89	0.004063	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	10	9.71	0.003623	±2.5	PASS

Band41	20MHz	16QAM	41490	100RB#0	NV	20	6.15	0.002295	±2.5	PASS
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