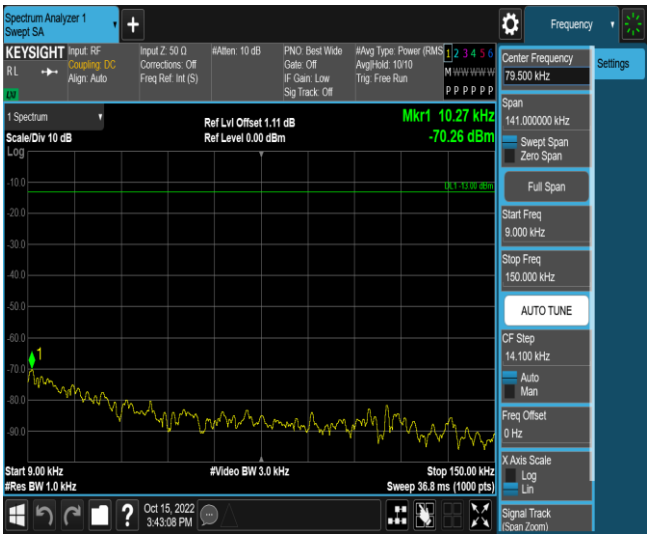
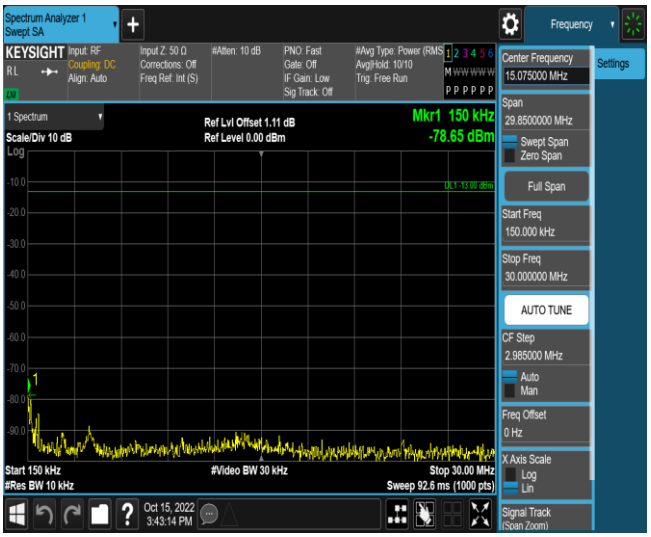
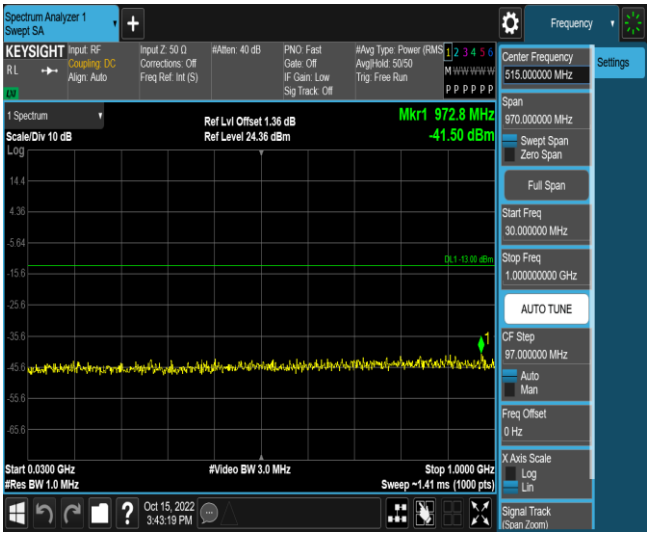


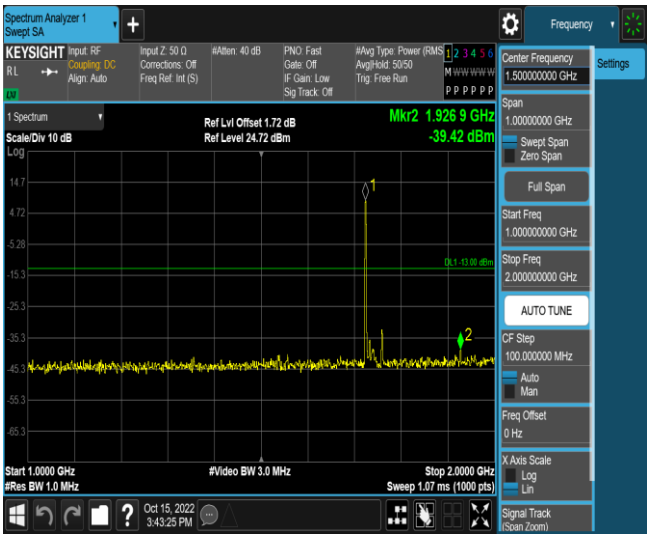
Band4-20MHz-16QAM-20175-1RB#0-Range2:0.15~30MHz



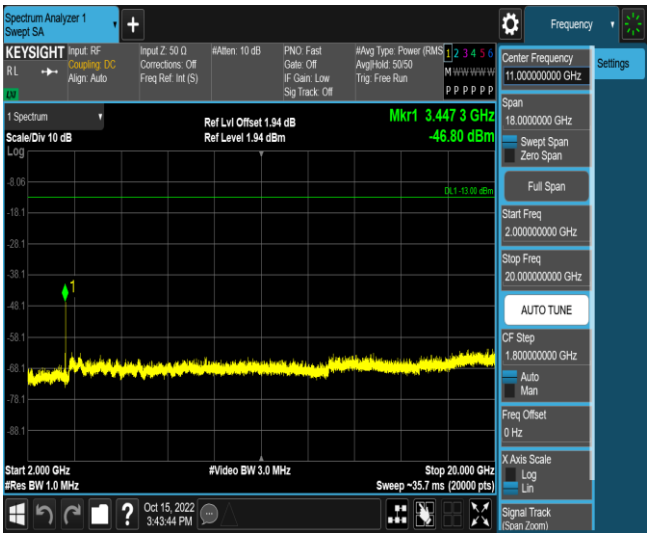
Band4-20MHz-16QAM-20175-1RB#0-Range3:30~1000MHz



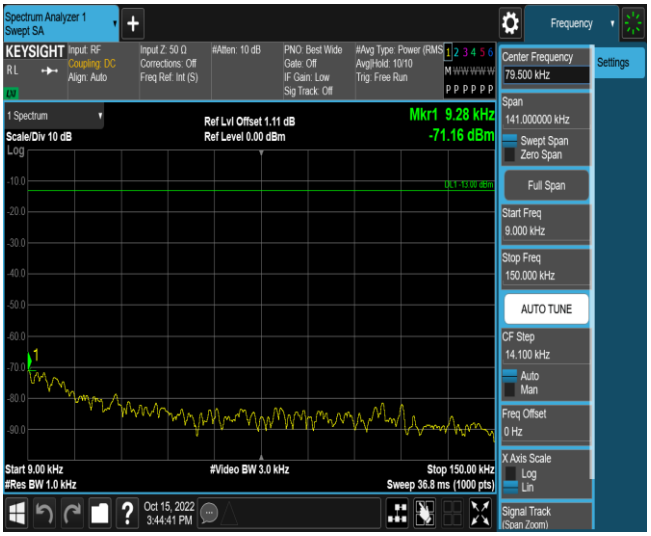
Band4-20MHz-16QAM-20175-1RB#0-Range4:1000~2000MHz



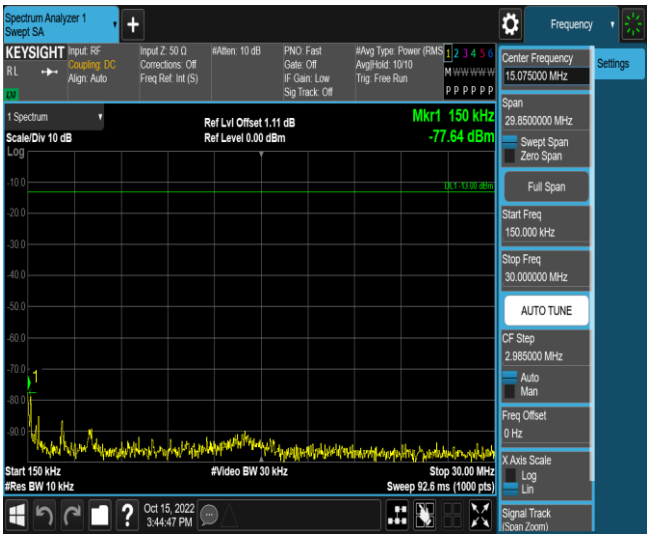
Band4-20MHz-16QAM-20175-1RB#0-Range5:2000~20000MHz



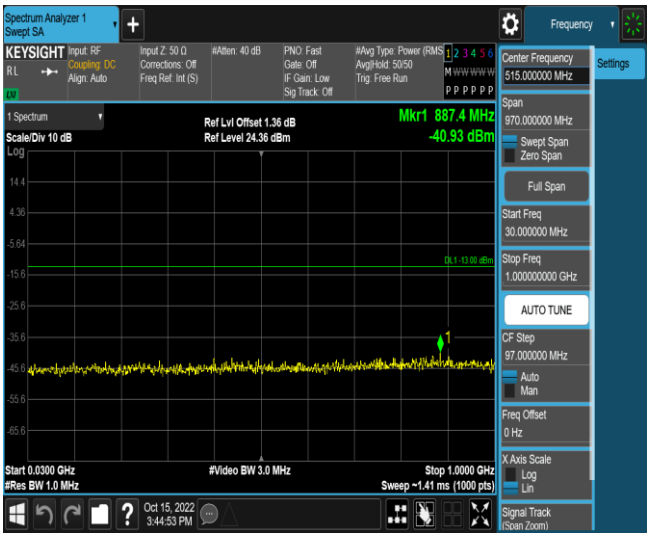
Band4-20MHz-16QAM-20300-1RB#0-Range1:0.009~0.15MHz



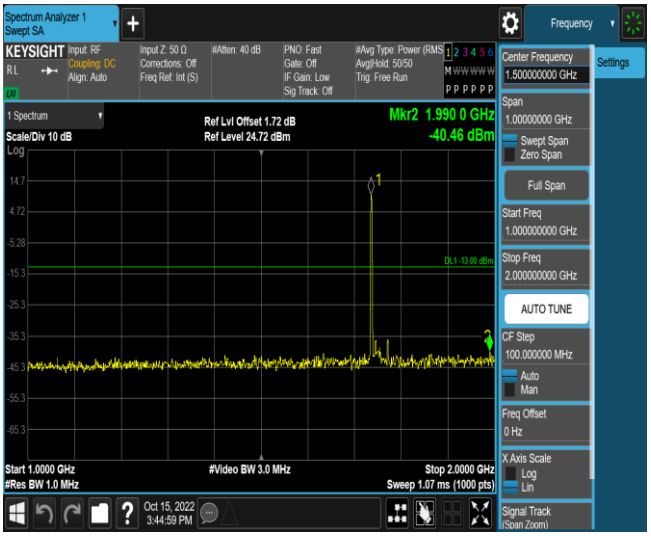
Band4-20MHz-16QAM-20300-1RB#0-Range2:0.15~30MHz



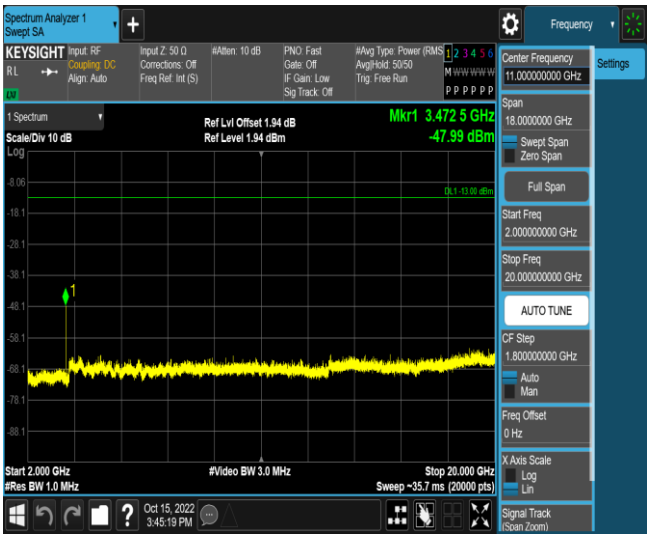
Band4-20MHz-16QAM-20300-1RB#0-Range3:30~1000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range4:1000~2000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range5:2000~20000MHz


Spectrum Analyzer 1
Swept SA
Frequency
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
#Atten: 10 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Avg|Hold: 50/50
Trig: Free Run
Center Frequency
11.000000000 GHz
Settings
Span
18.0000000 GHz
Swept Span
Zero Span
Full Span
Start Freq
2.000000000 GHz
Stop Freq
20.000000000 GHz
AUTO TUNE
CF Step
1.800000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 1.94 dB
Ref Level 1.94 dBm
Mkr1 3.472 5 GHz
-47.99 dBm
Start 2.000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 20.000 GHz
Sweep ~35.7 ms (20000 pts)
Oct 15, 2022
3:45:19 PM

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	VL	NT	-12.07	-0.007056	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	-5.69	-0.003326	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	-10.27	-0.006003	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	6.61	0.003815	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	10.94	0.006315	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	-7.93	-0.004577	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-9.04	-0.005153	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	7.87	0.004486	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-6.97	-0.003973	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	-7.44	-0.004349	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	-9.43	-0.005512	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	-6.72	-0.003928	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	-9.41	-0.005431	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	-12.06	-0.006961	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	-10.37	-0.005986	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	-12.85	-0.007325	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	-7.37	-0.004201	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	-10.07	-0.005740	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VL	NT	-10.97	-0.006410	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VN	NT	-7.20	-0.004207	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VH	NT	2.92	0.001706	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	-10.06	-0.005807	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	12.92	0.007457	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	-6.21	-0.003584	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VL	NT	-8.98	-0.005121	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VN	NT	12.33	0.007032	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VH	NT	-7.22	-0.004117	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VL	NT	-4.84	-0.002828	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VN	NT	-10.41	-0.006082	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VH	NT	-4.76	-0.002781	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VL	NT	-7.20	-0.004156	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VN	NT	-12.00	-0.006926	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VH	NT	-4.52	-0.002609	±2.5	PASS

Band4	3MHz	16QAM	20385	15RB#0	VL	NT	-8.51	-0.004853	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VN	NT	-12.33	-0.007032	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VH	NT	-10.83	-0.006176	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VL	NT	-9.61	-0.005612	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VN	NT	-3.22	-0.001880	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VH	NT	-10.19	-0.005950	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	-10.87	-0.006274	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	7.47	0.004312	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	-2.79	-0.001610	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VL	NT	-10.24	-0.005843	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VN	NT	-3.65	-0.002083	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VH	NT	-8.90	-0.005078	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VL	NT	-2.80	-0.001635	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VN	NT	3.10	0.001810	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VH	NT	-5.69	-0.003323	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VL	NT	-11.20	-0.006465	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VN	NT	-7.50	-0.004329	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VH	NT	-11.03	-0.006367	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VL	NT	-9.18	-0.005238	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VN	NT	-3.32	-0.001894	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VH	NT	-9.07	-0.005175	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VL	NT	-8.55	-0.004985	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VN	NT	-10.93	-0.006373	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VH	NT	-5.24	-0.003055	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	-5.92	-0.003417	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	10.67	0.006159	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-11.23	-0.006482	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VL	NT	-14.83	-0.008474	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VN	NT	-9.03	-0.005160	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VH	NT	-6.28	-0.003589	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VL	NT	-13.10	-0.007638	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VN	NT	-5.22	-0.003044	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VH	NT	-5.61	-0.003271	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VL	NT	-8.83	-0.005097	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VN	NT	-14.51	-0.008375	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VH	NT	-10.07	-0.005812	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VL	NT	2.75	0.001571	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VN	NT	-3.73	-0.002131	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VH	NT	-9.68	-0.005531	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VL	NT	-10.83	-0.006306	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VN	NT	-11.54	-0.006719	±2.5	PASS

Band4	15MHz	QPSK	20025	75RB#0	VH	NT	-5.68	-0.003307	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	-8.17	-0.004716	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	4.38	0.002528	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	3.53	0.002038	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VL	NT	-13.83	-0.007914	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VN	NT	-5.04	-0.002884	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VH	NT	-7.68	-0.004395	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VL	NT	-9.13	-0.005316	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VN	NT	-9.78	-0.005694	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VH	NT	-7.81	-0.004547	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VL	NT	-12.62	-0.007284	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VN	NT	-10.53	-0.006078	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VH	NT	-4.53	-0.002615	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VL	NT	-4.62	-0.002644	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VN	NT	-7.82	-0.004475	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VH	NT	-9.74	-0.005574	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-12.53	-0.007285	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-9.21	-0.005355	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	-9.34	-0.005430	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-4.81	-0.002776	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-6.82	-0.003937	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-9.97	-0.005755	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	6.71	0.003845	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-9.58	-0.005490	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-6.54	-0.003748	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-7.30	-0.004244	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	-11.80	-0.006860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	-10.34	-0.006012	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-4.63	-0.002672	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	2.75	0.001587	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-7.80	-0.004502	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-5.82	-0.003335	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-7.54	-0.004321	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-5.34	-0.003060	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-30	2.99	0.001748	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	-4.58	-0.002677	±2.5	PASS

Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	-11.89	-0.006950	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	-5.79	-0.003385	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	1.89	0.001105	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-13.10	-0.007561	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-9.60	-0.005541	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	-12.26	-0.007076	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	-7.08	-0.004087	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	-2.53	-0.001460	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	-12.55	-0.007154	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	-6.58	-0.003751	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	-18.80	-0.010717	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-7.05	-0.004019	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-8.88	-0.005062	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-30	-8.24	-0.004817	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-20	-8.17	-0.004776	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	8.68	0.005074	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	-6.92	-0.004045	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	-11.63	-0.006798	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-30	-7.00	-0.004040	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-20	-3.63	-0.002095	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	-2.43	-0.001403	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	3.49	0.002014	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	-5.75	-0.003319	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-30	-13.23	-0.007541	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-20	-9.90	-0.005643	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-8.24	-0.004697	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-10.43	-0.005945	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-10.94	-0.006236	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-30	-11.34	-0.006626	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-20	-5.35	-0.003126	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	0	-7.80	-0.004557	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	10	-9.83	-0.005743	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	20	-9.73	-0.005685	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-1.99	-0.001149	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	-4.94	-0.002851	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	-8.94	-0.005160	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	-7.07	-0.004081	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-9.96	-0.005749	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-30	-12.45	-0.007100	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-20	-8.41	-0.004796	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	0	-11.97	-0.006826	±2.5	PASS

Band4	3MHz	QPSK	20385	15RB#0	NV	10	-12.63	-0.007203	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	20	-9.08	-0.005178	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-30	-10.66	-0.006228	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-20	-11.49	-0.006713	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	0	-14.35	-0.008384	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	10	-6.55	-0.003827	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	20	-7.71	-0.004505	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-30	-4.33	-0.002499	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-20	-5.48	-0.003163	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	0	-5.54	-0.003198	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	10	-6.78	-0.003913	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	20	-12.70	-0.007330	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-30	-2.66	-0.001517	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-20	-8.91	-0.005081	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	0	-9.64	-0.005498	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	10	-10.77	-0.006142	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	20	-9.33	-0.005321	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-30	-5.61	-0.003276	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-20	-7.37	-0.004304	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	0	-9.73	-0.005682	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	10	-6.31	-0.003685	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	20	-5.82	-0.003399	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	-7.04	-0.004063	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	-11.53	-0.006655	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	-5.82	-0.003359	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	-2.76	-0.001593	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	-14.28	-0.008242	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-30	-4.94	-0.002819	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-20	-8.48	-0.004839	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	0	-5.51	-0.003144	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	10	-8.68	-0.004953	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	20	-7.55	-0.004308	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-30	-9.81	-0.005728	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-20	-12.50	-0.007299	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	0	3.29	0.001921	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	10	4.63	0.002704	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	20	-5.54	-0.003235	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-30	-9.87	-0.005697	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-20	-7.11	-0.004104	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	0	-9.87	-0.005697	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	10	-4.86	-0.002805	±2.5	PASS

Band4	5MHz	16QAM	20175	25RB#0	NV	20	-10.54	-0.006084	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-30	-7.34	-0.004188	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-20	-5.92	-0.003378	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	0	-4.91	-0.002802	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	10	-8.64	-0.004930	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	20	-10.33	-0.005894	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-30	-9.71	-0.005662	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-20	-5.38	-0.003137	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-9.08	-0.005294	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	-4.99	-0.002910	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	-10.44	-0.006087	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	-6.59	-0.003804	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	-8.51	-0.004912	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	-6.59	-0.003804	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	-7.90	-0.004560	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	-8.23	-0.004750	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-30	-3.83	-0.002189	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-20	-9.14	-0.005223	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	-11.01	-0.006291	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	-15.03	-0.008589	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	-5.58	-0.003189	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-30	-5.76	-0.003359	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-20	-6.58	-0.003837	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	0	-6.34	-0.003697	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	10	1.99	0.001160	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	20	5.06	0.002950	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-30	-13.99	-0.008075	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-20	-12.19	-0.007036	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	0	-6.61	-0.003815	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	10	-6.11	-0.003527	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	20	-4.86	-0.002805	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-30	-9.67	-0.005526	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-20	-9.91	-0.005663	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	0	-6.85	-0.003914	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	10	-5.78	-0.003303	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	20	-10.16	-0.005806	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-30	-5.11	-0.002975	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-20	-7.22	-0.004204	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	-7.95	-0.004629	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	-8.58	-0.004996	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	-11.57	-0.006737	±2.5	PASS

Band4	15MHz	QPSK	20175	75RB#0	NV	-30	-5.78	-0.003336	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	-4.81	-0.002776	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	-8.04	-0.004641	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	-7.22	-0.004167	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	-9.14	-0.005276	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-30	-8.31	-0.004755	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-20	-7.72	-0.004418	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	-8.13	-0.004652	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	-6.02	-0.003445	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	20	-5.24	-0.002999	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-30	-15.59	-0.009077	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-20	-15.44	-0.008990	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	0	-12.36	-0.007197	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	10	-9.94	-0.005787	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	20	-8.98	-0.005229	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-30	-3.13	-0.001807	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-20	-6.78	-0.003913	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	0	-5.31	-0.003065	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	10	-7.21	-0.004162	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	20	-6.19	-0.003573	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-30	-9.03	-0.005167	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-20	-9.43	-0.005396	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	0	-8.85	-0.005064	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	10	-9.71	-0.005557	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	20	-4.28	-0.002449	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-9.58	-0.005570	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	-11.12	-0.006465	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-11.83	-0.006878	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-13.23	-0.007692	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-5.22	-0.003035	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-8.08	-0.004664	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-8.38	-0.004837	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	3.20	0.001847	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-8.91	-0.005143	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-5.12	-0.002955	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-4.25	-0.002436	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-5.28	-0.003026	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-7.20	-0.004126	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-6.94	-0.003977	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-10.39	-0.005954	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-10.60	-0.006163	±2.5	PASS

Band4	20MHz	16QAM	20050	100RB#0	NV	-20	-8.01	-0.004657	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-13.62	-0.007919	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-14.16	-0.008233	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-19.33	-0.011238	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-9.70	-0.005599	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-5.31	-0.003065	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-8.45	-0.004877	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-8.14	-0.004698	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	5.06	0.002921	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-14.76	-0.008458	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	6.05	0.003467	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-6.64	-0.003805	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-6.04	-0.003461	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-9.77	-0.005599	±2.5	PASS