

**Band4-15MHz-16QAM-20025-75RB#0**



**Band4-15MHz-16QAM-20325-1RB#0**



**Band4-15MHz-16QAM-20325-1RB#74**



**Band4-15MHz-16QAM-20325-75RB#0**



**Band4-20MHz-QPSK-20050-1RB#0**



**Band4-20MHz-QPSK-20050-1RB#99**



**Band4-20MHz-QPSK-20050-100RB#0**



**Band4-20MHz-QPSK-20300-1RB#0**



**Band4-20MHz-QPSK-20300-1RB#99**



**Band4-20MHz-QPSK-20300-100RB#0**



**Band4-20MHz-16QAM-20050-1RB#0**



**Band4-20MHz-16QAM-20050-1RB#99**



**Band4-20MHz-16QAM-20050-100RB#0**



**Band4-20MHz-16QAM-20300-1RB#0**



**Band4-20MHz-16QAM-20300-1RB#99**



**Band4-20MHz-16QAM-20300-100RB#0**





## Appendix 6: Spurious Emission at Antenna Terminals

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-35.84	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~20000MHz	-31.86	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-35.77	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-32.44	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-35.43	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~20000MHz	-31.56	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-34.76	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~20000MHz	-31.37	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-35.3	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-31.85	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-35.13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~20000MHz	-31.14	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:30~1000MHz	-35.36	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:1000~20000MHz	-31.94	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-35.03	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-31.56	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:30~1000MHz	-34.71	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:1000~20000MHz	-31.65	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:30~1000MHz	-34.96	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:1000~20000MHz	-32.29	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-34.28	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-31.4	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:30~1000MHz	-35.35	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:1000~20000MHz	-32.13	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:30~1000MHz	-34.78	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:1000~20000MHz	-31.5	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-35.98	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-32.49	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:30~1000MHz	-35.89	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:1000~20000MHz	-31.96	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:30~1000MHz	-35.48	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:1000~20000MHz	-31.3	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-34.95	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-31.61	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:30~1000MHz	-34.27	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range2:1000~20000MHz	-31.53	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range1:30~1000MHz	-33.92	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range2:1000~20000MHz	-31.87	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-35.6	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-32.36	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range1:30~1000MHz	-35.25	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range2:1000~20000MHz	-31.59	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range1:30~1000MHz	-36.06	PASS



Band4	10MHz	16QAM	20000	1RB#0	Range2:1000~20000MHz	-32.49	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-35.73	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-32.08	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range1:30~1000MHz	-35.32	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range2:1000~20000MHz	-31.85	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range1:30~1000MHz	-34.92	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range2:1000~20000MHz	-31.23	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-35.54	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-31.67	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range1:30~1000MHz	-34.7	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range2:1000~20000MHz	-31.89	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range1:30~1000MHz	-35.16	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range2:1000~20000MHz	-30.77	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-35.82	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-32.43	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range1:30~1000MHz	-34.9	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range2:1000~20000MHz	-31.57	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-34.75	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~20000MHz	-32	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-33.28	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-31.96	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-33.68	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~20000MHz	-31.16	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-35.3	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~20000MHz	-32.06	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-35.86	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-31.91	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-35.33	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~20000MHz	-31.2	PASS

Test Plots

**Band4-1.4MHz-QPSK-19957-1RB#0-Range1:30~1000MHz**



**Band4-1.4MHz-QPSK-19957-1RB#0-Range2:1000~20000MHz**



**Band4-1.4MHz-QPSK-20175-1RB#0-Range1:30~1000MHz**



**Band4-1.4MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz**



**Band4-1.4MHz-QPSK-20393-1RB#0-Range1:30~1000MHz**



**Band4-1.4MHz-QPSK-20393-1RB#0-Range2:1000~20000MHz**



**Band4-1.4MHz-16QAM-19957-1RB#0-Range1:30~1000MHz**



**Band4-1.4MHz-16QAM-19957-1RB#0-Range2:1000~20000MHz**



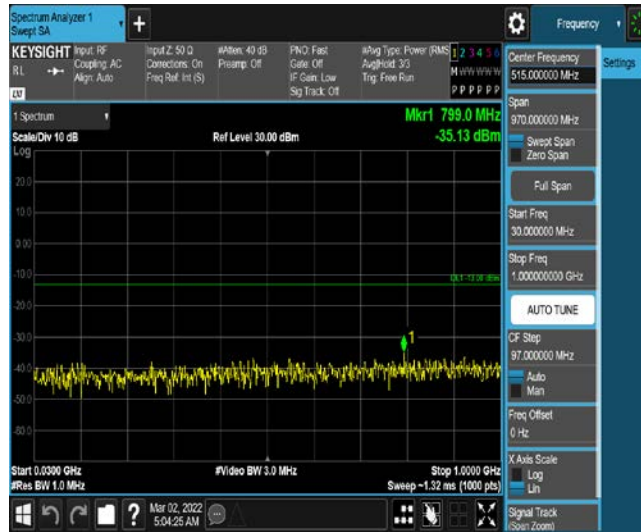
**Band4-1.4MHz-16QAM-20175-1RB#0-Range1:30~1000MHz**



**Band4-1.4MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz**



**Band4-1.4MHz-16QAM-20393-1RB#0-Range1:30~1000MHz**



**Band4-1.4MHz-16QAM-20393-1RB#0-Range2:1000~20000MHz**





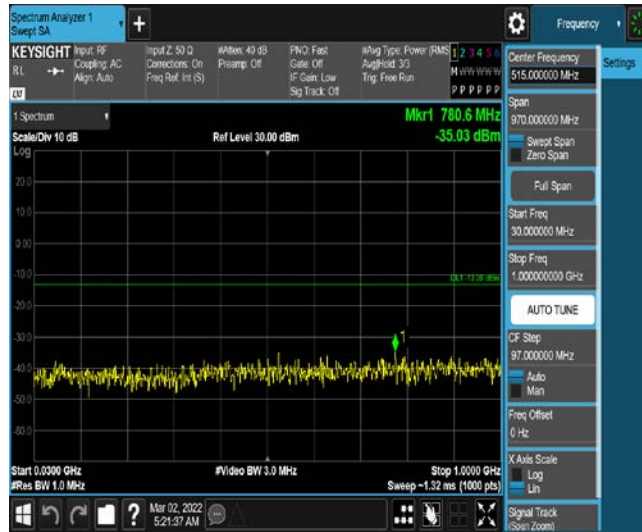
**Band4-3MHz-QPSK-19965-1RB#0-Range1:30~1000MHz**



**Band4-3MHz-QPSK-19965-1RB#0-Range2:1000~20000MHz**



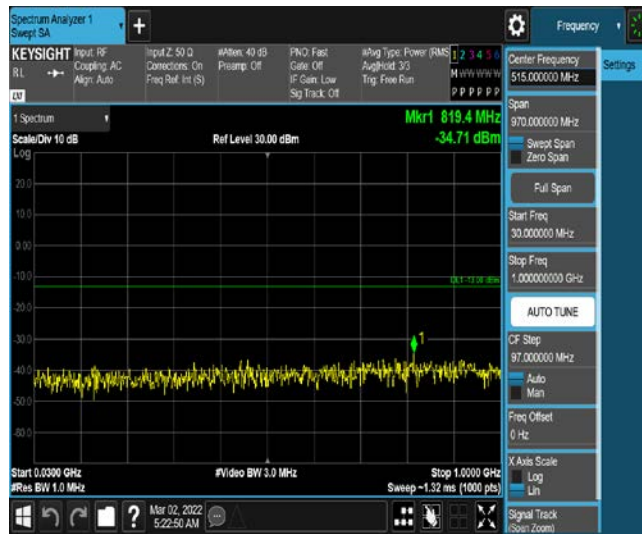
**Band4-3MHz-QPSK-20175-1RB#0-Range1:30~1000MHz**



**Band4-3MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz**



**Band4-3MHz-QPSK-20385-1RB#0-Range1:30~1000MHz**



**Band4-3MHz-QPSK-20385-1RB#0-Range2:1000~20000MHz**



**Band4-3MHz-16QAM-19965-1RB#0-Range1:30~1000MHz**



**Band4-3MHz-16QAM-19965-1RB#0-Range2:1000~20000MHz**



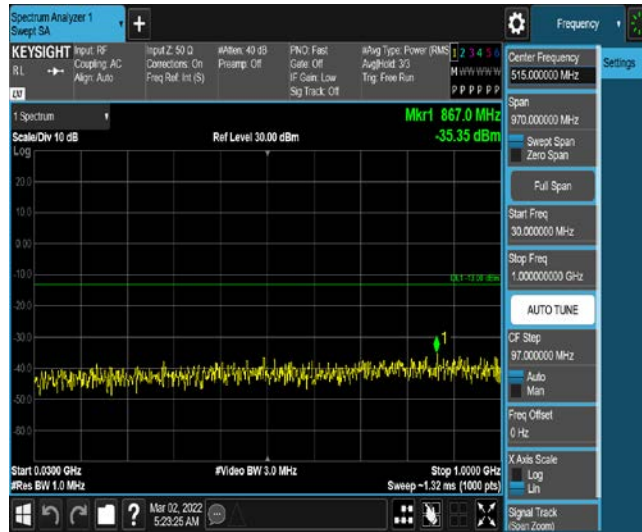
**Band4-3MHz-16QAM-20175-1RB#0-Range1:30~1000MHz**



**Band4-3MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz**



**Band4-3MHz-16QAM-20385-1RB#0-Range1:30~1000MHz**



**Band4-3MHz-16QAM-20385-1RB#0-Range2:1000~20000MHz**



**Band4-5MHz-QPSK-19975-1RB#0-Range1:30~1000MHz**



**Band4-5MHz-QPSK-19975-1RB#0-Range2:1000~20000MHz**



**Band4-5MHz-QPSK-20175-1RB#0-Range1:30~1000MHz**

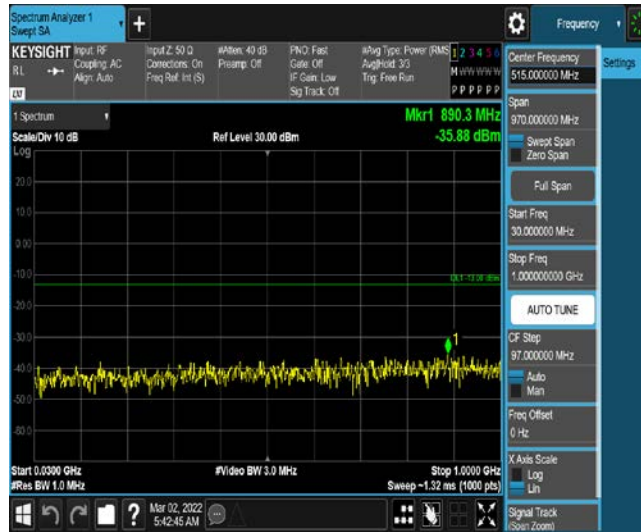


**Band4-5MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz**





**Band4-5MHz-QPSK-20375-1RB#0-Range1:30~1000MHz**



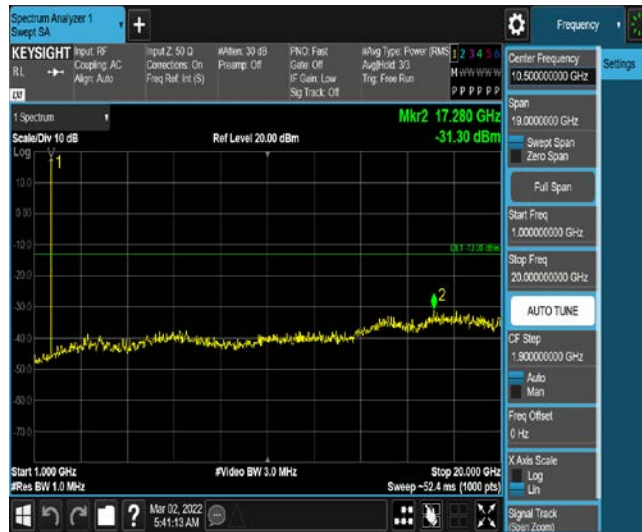
**Band4-5MHz-QPSK-20375-1RB#0-Range2:1000~20000MHz**



**Band4-5MHz-16QAM-19975-1RB#0-Range1:30~1000MHz**



**Band4-5MHz-16QAM-19975-1RB#0-Range2:1000~20000MHz**



**Band4-5MHz-16QAM-20175-1RB#0-Range1:30~1000MHz**



**Band4-5MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz**



**Band4-5MHz-16QAM-20375-1RB#0-Range1:30~1000MHz**



**Band4-5MHz-16QAM-20375-1RB#0-Range2:1000~20000MHz**



**Band4-10MHz-QPSK-20000-1RB#0-Range1:30~1000MHz**



**Band4-10MHz-QPSK-20000-1RB#0-Range2:1000~20000MHz**



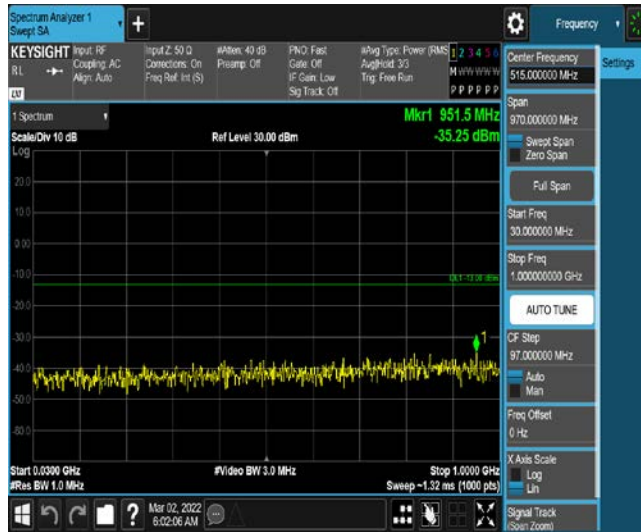
**Band4-10MHz-QPSK-20175-1RB#0-Range1:30~1000MHz**



**Band4-10MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz**



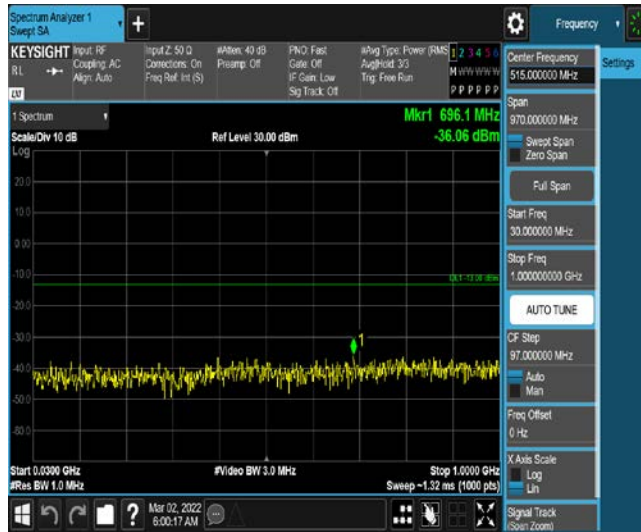
**Band4-10MHz-QPSK-20350-1RB#0-Range1:30~1000MHz**



**Band4-10MHz-QPSK-20350-1RB#0-Range2:1000~20000MHz**



**Band4-10MHz-16QAM-20000-1RB#0-Range1:30~1000MHz**



**Band4-10MHz-16QAM-20000-1RB#0-Range2:1000~20000MHz**





**Band4-10MHz-16QAM-20175-1RB#0-Range1:30~1000MHz**



**Band4-10MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz**



**Band4-10MHz-16QAM-20350-1RB#0-Range1:30~1000MHz**



**Band4-10MHz-16QAM-20350-1RB#0-Range2: 1000~20000MHz**



**Band4-15MHz-QPSK-20025-1RB#0-Range1:30~1000MHz**



**Band4-15MHz-QPSK-20025-1RB#0-Range2:1000~20000MHz**



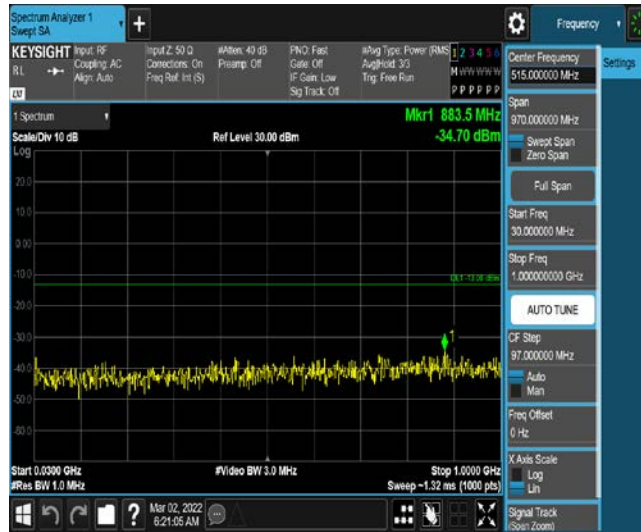
**Band4-15MHz-QPSK-20175-1RB#0-Range1:30~1000MHz**



**Band4-15MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz**



**Band4-15MHz-QPSK-20325-1RB#0-Range1:30~1000MHz**



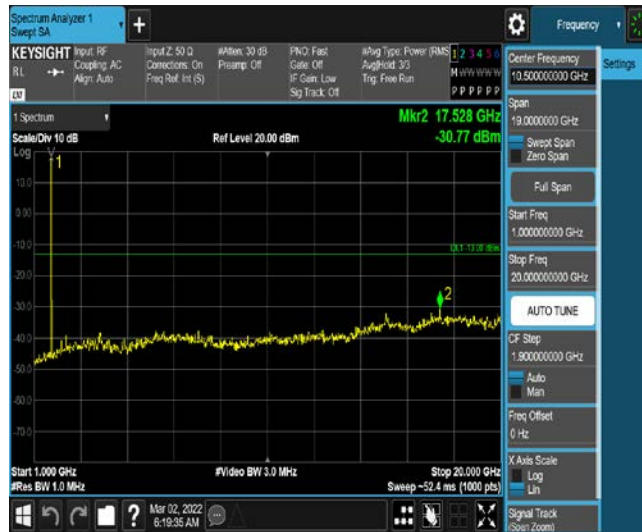
**Band4-15MHz-QPSK-20325-1RB#0-Range2:1000~20000MHz**



**Band4-15MHz-16QAM-2025-1RB#0-Range1:30~1000MHz**



**Band4-15MHz-16QAM-2025-1RB#0-Range2:1000~20000MHz**



**Band4-15MHz-16QAM-20175-1RB#0-Range1:30~1000MHz**



**Band4-15MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz**



**Band4-15MHz-16QAM-20325-1RB#0-Range1:30~1000MHz**

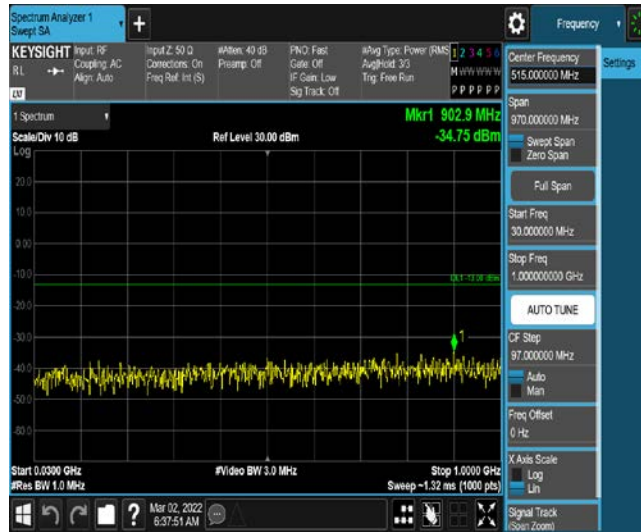


**Band4-15MHz-16QAM-20325-1RB#0-Range2:1000~20000MHz**





**Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz**



**Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz**



**Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz**



**Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz**



**Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz**



**Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz**



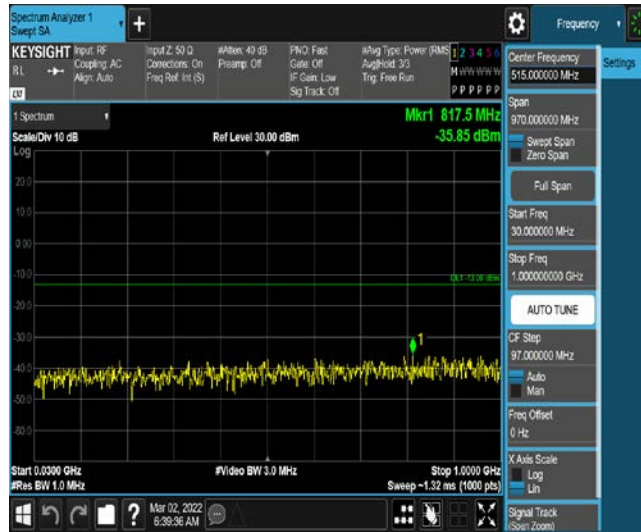
**Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz**



**Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz**



**Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz**



**Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz**



**Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz**



**Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz**



## Appendix 7: Field Strength of Spurious Radiation

The transmitting equipment under test (EUT) is placed on a styrene turntable which is four feet in diameter and approximately 0.8 meter up to 1GHz and 1.5 meter above 1GHz in height above the ground plane. During the radiated emissions test, the turntable is rotated and any cables leaving the EUT are manipulated to find the configuration resulting in maximum emissions. The EUT is adjusted through all three orthogonal axes to obtain maximum emission levels. The antenna height and polarization are varied during the testing to search for maximum signal levels.

The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower. The emissions were very low against the limit in the frequency range 9kHz to 30MHz and 18 GHz ~ 20 GHz.

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Test Plots

Test Band = BAND4

Worst Test Bandwidth = 20MHz

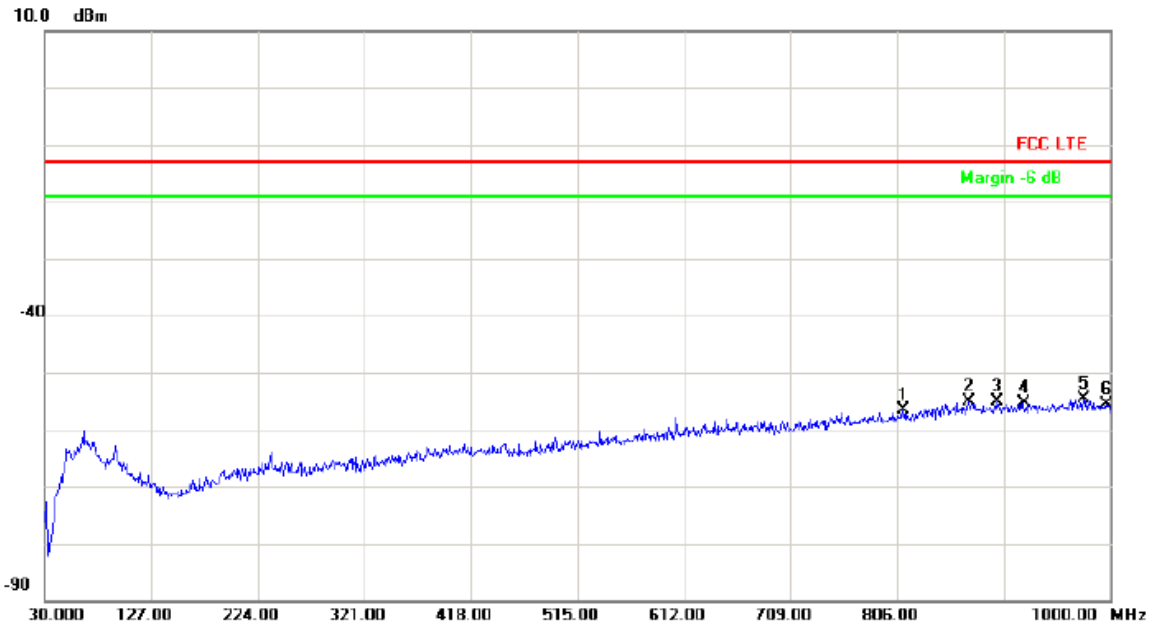
Modulation= QPSK

Channel=20175

RB Configuration=100RB#0

Vertical

Radiated Emission

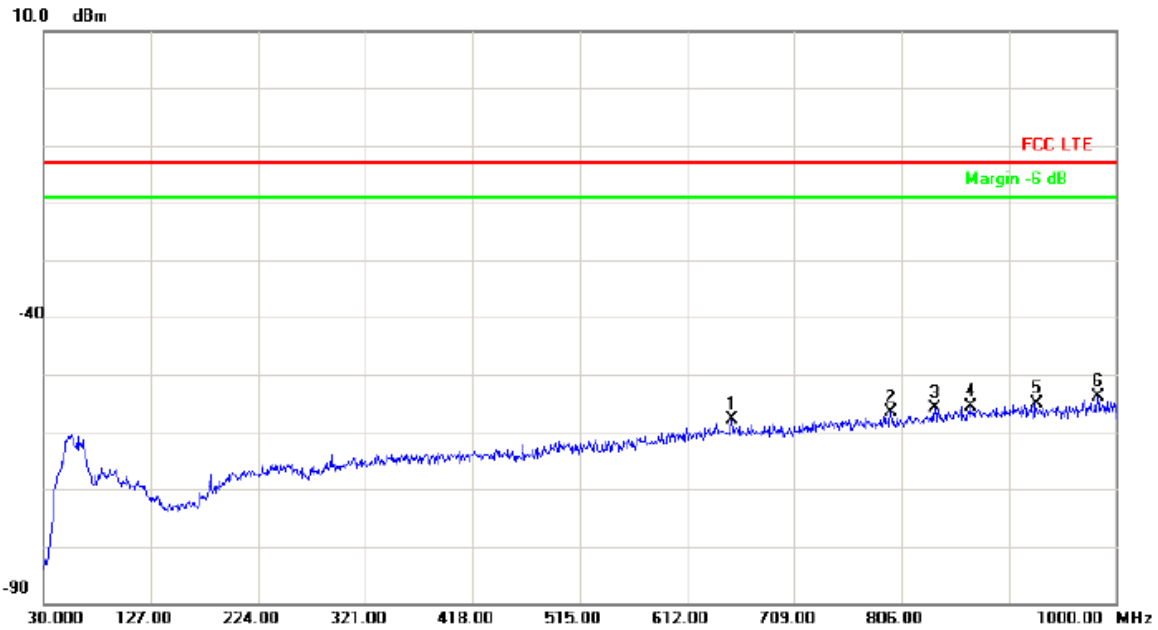


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1		812.0625	-59.34	2.84	-56.50	-13.00	-43.50	RMS		
2		871.2325	-58.85	3.76	-55.09	-13.00	-42.09	RMS		
3		897.1315	-59.26	4.02	-55.24	-13.00	-42.24	RMS		
4		921.3815	-59.38	4.06	-55.32	-13.00	-42.32	RMS		
5	*	976.5745	-58.90	4.31	-54.59	-13.00	-41.59	RMS		
6		996.7020	-60.03	4.49	-55.54	-13.00	-42.54	RMS		



**Horizontal**

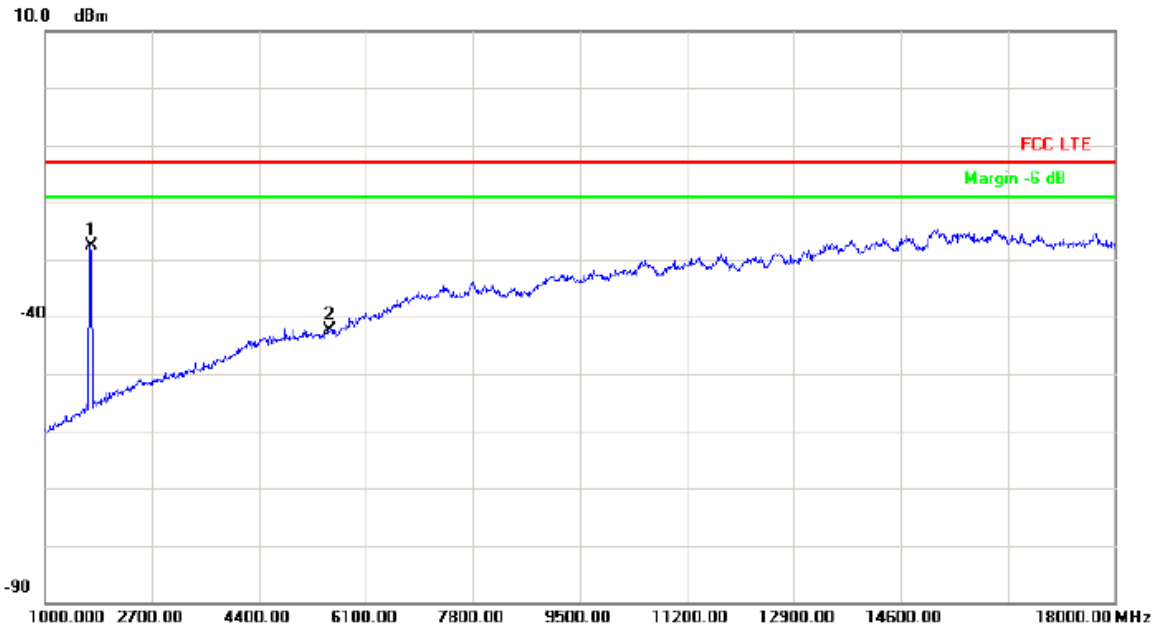
**Radiated Emission**



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree degree	Comment
1		653.0795	-59.08	1.28	-57.80	-13.00	-44.80	RMS		
2		796.3484	-59.04	2.39	-56.65	-13.00	-43.65	RMS		
3		836.5550	-59.07	3.08	-55.99	-13.00	-42.99	RMS		
4		868.9530	-59.08	3.47	-55.61	-13.00	-42.61	RMS		
5		927.7350	-58.99	3.76	-55.23	-13.00	-42.23	RMS		
6 *		983.6555	-58.19	4.27	-53.92	-13.00	-40.92	RMS		

Vertical

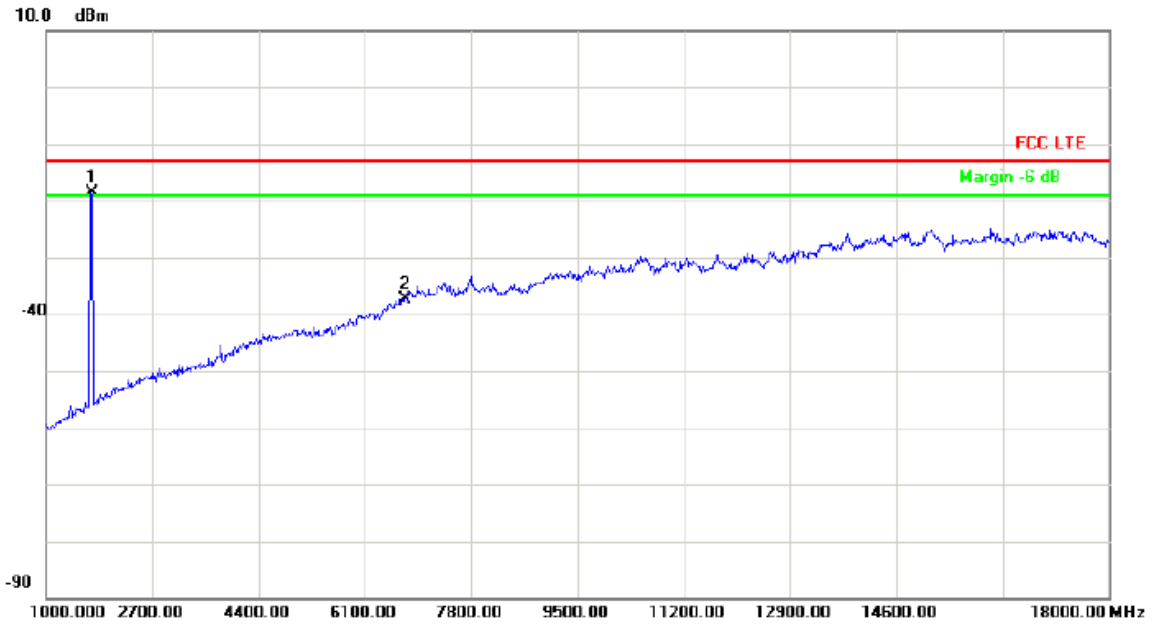
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree		
1	*	1729.300	-27.05	-0.51	-27.56	-13.00	-14.56			RMS	
2		5513.500	-51.20	8.78	-42.42	-13.00	-29.42			RMS	

*Horizontal*

**Radiated Emission**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	1728.450	-18.15	-0.39	-18.54	-13.00	-5.54			RMS
2		6743.450	-49.89	12.48	-37.41	-13.00	-24.41			RMS

## Appendix 8: Frequency Stability

### Test Result

Frequency Error vs. Voltage:

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	VL	NT	4.73	0.002765	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	2.35	0.001374	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	4.39	0.002566	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	-3.62	-0.002089	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	2.34	0.001351	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	3.91	0.002257	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-6.60	-0.003762	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	-5.64	-0.003215	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-7.19	-0.004099	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	3.77	0.002204	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	4.88	0.002853	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	2.48	0.001450	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	-3.70	-0.002136	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	4.53	0.002615	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	4.34	0.002505	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	-5.30	-0.003021	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	-3.09	-0.001761	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	-4.82	-0.002748	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VL	NT	3.34	0.001952	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VN	NT	2.21	0.001291	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VH	NT	-3.43	-0.002004	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	2.37	0.001368	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	-2.52	-0.001455	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	-2.18	-0.001258	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VL	NT	2.26	0.001289	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VN	NT	5.17	0.002948	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VH	NT	3.74	0.002133	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VL	NT	2.67	0.001560	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VN	NT	3.14	0.001835	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VH	NT	4.84	0.002828	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VL	NT	2.73	0.001576	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VN	NT	-3.81	-0.002199	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VH	NT	-3.38	-0.001951	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VL	NT	3.99	0.002275	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VN	NT	4.01	0.002287	±2.5	PASS



Band4	3MHz	16QAM	20385	15RB#0	VH	NT	-3.38	-0.001928	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VL	NT	4.00	0.002336	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VN	NT	4.87	0.002844	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VH	NT	-3.36	-0.001962	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	2.13	0.001229	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	-3.66	-0.002113	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	2.35	0.001356	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VL	NT	-4.47	-0.002551	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VN	NT	-6.19	-0.003532	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VH	NT	-8.48	-0.004839	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VL	NT	3.45	0.002015	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VN	NT	5.53	0.003229	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VH	NT	-2.16	-0.001261	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VL	NT	2.80	0.001616	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VN	NT	-3.10	-0.001789	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VH	NT	2.78	0.001605	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VL	NT	-3.37	-0.001923	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VN	NT	-4.94	-0.002819	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VH	NT	-4.40	-0.002511	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VL	NT	-4.58	-0.002671	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VN	NT	-6.57	-0.003831	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VH	NT	-4.29	-0.002501	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	4.71	0.002719	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	3.24	0.001870	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-3.51	-0.002026	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VL	NT	3.32	0.001897	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VN	NT	3.47	0.001983	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VH	NT	2.72	0.001554	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VL	NT	-4.40	-0.002566	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VN	NT	-3.16	-0.001843	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VH	NT	-5.88	-0.003429	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VL	NT	2.66	0.001535	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VN	NT	3.24	0.001870	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VH	NT	3.66	0.002113	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VL	NT	2.74	0.001566	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VN	NT	3.36	0.001920	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VH	NT	4.47	0.002554	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VL	NT	-3.02	-0.001758	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VN	NT	2.64	0.001537	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VH	NT	-2.00	-0.001164	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	3.16	0.001824	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	-3.76	-0.002170	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	3.25	0.001876	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VL	NT	2.67	0.001528	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VN	NT	3.31	0.001894	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VH	NT	2.82	0.001614	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VL	NT	3.30	0.001921	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VN	NT	-1.63	-0.000949	±2.5	PASS



Band4	15MHz	16QAM	20025	75RB#0	VH	NT	2.65	0.001543	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VL	NT	-3.71	-0.002141	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VN	NT	5.07	0.002926	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VH	NT	3.88	0.002240	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VL	NT	-2.43	-0.001391	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VN	NT	-3.41	-0.001951	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VH	NT	1.52	0.000870	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	6.34	0.003686	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	5.68	0.003302	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	1.84	0.001070	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-1.53	-0.000883	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-3.05	-0.001760	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	2.34	0.001351	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-3.31	-0.001897	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-5.47	-0.003135	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-4.20	-0.002407	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-5.03	-0.002924	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	4.40	0.002558	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	1.88	0.001093	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-3.67	-0.002118	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	1.68	0.000970	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	2.44	0.001408	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-5.16	-0.002957	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-5.33	-0.003054	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-4.97	-0.002848	±2.5	PASS

## Frequency Error vs. Temperature:

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	3.13	0.001830	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	2.72	0.001590	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-10	-3.07	-0.001795	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	3.92	0.002291	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	2.12	0.001239	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	-4.29	-0.002508	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	30	-4.31	-0.002519	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	40	-4.74	-0.002771	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	50	-3.65	-0.002134	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-3.28	-0.001893	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-2.11	-0.001218	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-10	1.85	0.001068	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	3.56	0.002055	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	2.95	0.001703	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	-4.24	-0.002447	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	30	-4.15	-0.002395	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	40	-5.53	-0.003192	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	50	-3.28	-0.001893	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	-5.94	-0.003386	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	-6.20	-0.003534	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-10	-5.00	-0.002850	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	-5.51	-0.003141	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-5.92	-0.003375	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-3.7	-0.002109	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	30	-4.02	-0.002292	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	40	-5.06	-0.002884	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	50	-4.03	-0.002297	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-30	4.17	0.002438	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-20	3.28	0.001917	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-10	5.27	0.003081	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	3.82	0.002233	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	2.98	0.001742	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	-4.1	-0.002397	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	30	-5.14	-0.003005	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	40	-5.84	-0.003414	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	50	-3.5	-0.002046	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-30	-4.43	-0.002557	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-20	-3.99	-0.002303	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-10	4.58	0.002644	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	-2.68	-0.001547	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	-4.45	-0.002569	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	-3.58	-0.002066	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	30	-5.15	-0.002973	±2.5	PASS



Band4	1.4MHz	16QAM	20175	6RB#0	NV	40	-4.91	-0.002834	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	50	-3.47	-0.002003	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-30	-2.64	-0.001505	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-20	-5.68	-0.003238	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-10	-3.02	-0.001721	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-5.81	-0.003312	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-6.41	-0.003654	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-4.09	-0.002331	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	30	-4.81	-0.002742	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	40	-5.25	-0.002993	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	50	-3.23	-0.001841	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-30	-2.13	-0.001245	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-20	2.13	0.001245	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-10	-2.66	-0.001554	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	0	-3.26	-0.001905	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	10	-4.51	-0.002635	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	20	-4.45	-0.00026	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	30	-4.48	-0.000261	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	40	-5.53	-0.000323	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	50	-3.2	-0.000187	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-4.23	-0.002442	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	5.93	0.003423	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-10	3.38	0.001951	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	3.23	0.001864	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	-2.72	-0.001570	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-3.56	-0.002055	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	30	-5.16	-0.002978	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	40	-4.53	-0.002615	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	50	-3.86	-0.002228	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-30	3.90	0.002224	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-20	4.19	0.002390	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-10	1.95	0.001112	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	0	-2.43	-0.001386	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	10	-1.41	-0.000804	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	20	-3.8	-0.002167	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	30	-4.78	-0.002726	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	40	-4.53	-0.002583	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	50	-3.3	-0.001882	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-30	-1.50	-0.000876	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-20	-3.35	-0.001957	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-10	-2.21	-0.001291	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	0	2.58	0.001507	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	10	4.20	0.002454	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	20	-4.15	-0.000242	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	30	-4.59	-0.000268	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	40	-5.54	-0.000323	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	50	-2.99	-0.000174	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-30	1.98	0.001143	±2.5	PASS





Band4	3MHz	16QAM	20175	15RB#0	NV	-20	-3.61	-0.002084	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-10	-4.21	-0.002430	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	0	2.36	0.001362	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	10	-3.73	-0.002153	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	20	-3.83	-0.002211	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	30	-4.29	-0.002476	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	40	-4.44	-0.002563	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	50	-3.02	-0.001743	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-30	5.82	0.003319	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-20	3.97	0.002264	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-10	-1.63	-0.000930	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	0	3.00	0.001711	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	10	-2.52	-0.001437	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	20	-3.97	-0.002264	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	30	-4.72	-0.002692	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	40	-4.33	-0.002469	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	50	-3.02	-0.001722	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-30	5.20	0.003036	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-20	2.84	0.001658	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-10	2.96	0.001728	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	0	-3.73	-0.002178	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	10	4.38	0.002558	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	20	-4.48	-0.002616	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	30	-4.85	-0.002832	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	40	-4.87	-0.002844	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	50	-2.95	-0.001723	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	3.80	0.002193	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	2.72	0.001570	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-10	3.09	0.001784	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	-2.57	-0.001483	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	-3.22	-0.001859	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	-4.02	-0.00232	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	30	-4.27	-0.002465	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	40	-5.22	-0.003013	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	50	-3.37	-0.001945	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-30	-5.47	-0.003121	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-20	-6.18	-0.003526	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-10	-6.26	-0.003572	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	0	-5.36	-0.003058	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	10	-3.42	-0.001951	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	20	-3.04	-0.001735	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	30	-4.54	-0.002591	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	40	-4.83	-0.002756	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	50	-2.71	-0.001546	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-30	4.46	0.002604	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-20	3.65	0.002131	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-10	1.89	0.001104	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	0	-1.71	-0.000999	±2.5	PASS



Band4	5MHz	16QAM	19975	25RB#0	NV	10	2.93	0.001711	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	20	-3.68	-0.002149	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	30	-4.78	-0.002791	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	40	-4.39	-0.002564	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	50	-3.56	-0.002079	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-30	2.34	0.001351	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-20	-3.87	-0.002234	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-10	2.16	0.001247	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	0	2.07	0.001195	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	10	1.96	0.001131	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	20	-3.73	-0.002153	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	30	-4.44	-0.002563	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	40	-5.19	-0.002996	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	50	-3.39	-0.001957	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-30	-4.56	-0.002602	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-20	-5.64	-0.003218	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-10	-5.78	-0.003298	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	0	-5.23	-0.002984	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	10	-3.98	-0.002271	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	20	-3.66	-0.002088	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	30	-5.01	-0.002859	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	40	-4.64	-0.002648	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	50	-3.49	-0.001991	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-30	-4.09	-0.002385	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-20	-5.94	-0.003464	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-10	-5.06	-0.002950	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-5.14	-0.002997	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	-5.49	-0.003201	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	-4.24	-0.002472	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	30	-4.54	-0.002647	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	40	-5.01	-0.002921	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	50	-3.09	-0.001802	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	3.63	0.002095	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	2.32	0.001339	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	-2.40	-0.001385	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	1.99	0.001149	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	3.02	0.001743	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	-3.81	-0.002199	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	-4.09	-0.002361	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	-4.55	-0.002626	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	50	-3.7	-0.002136	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-30	1.78	0.001017	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-20	2.23	0.001274	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-10	4.66	0.002663	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	4.10	0.002343	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	1.69	0.000966	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	-3.62	-0.002069	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	30	-4.95	-0.002829	±2.5	PASS



Band4	10MHz	QPSK	20350	50RB#0	NV	40	-5.38	-0.003074	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	50	-3.63	-0.002074	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-30	-4.37	-0.002548	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-20	-6.30	-0.003673	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-10	-5.93	-0.003458	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	0	-6.92	-0.004035	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	10	-5.37	-0.003131	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	20	-3.99	-0.002327	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	30	-5.45	-0.003178	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	40	-4.86	-0.002834	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	50	-2.65	-0.001545	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-30	3.64	0.002101	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-20	1.91	0.001102	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-10	3.33	0.001922	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	0	7.55	0.004358	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	10	4.29	0.002476	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	20	-3.8	-0.002193	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	30	-5.11	-0.002949	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	40	-5.64	-0.003255	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	50	-3.48	-0.002009	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-30	3.87	0.002211	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-20	4.03	0.002303	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-10	3.48	0.001989	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	0	5.33	0.003046	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	10	2.27	0.001297	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	20	-3.81	-0.002177	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	30	-4.82	-0.002754	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	40	-5.51	-0.003149	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	50	-2.94	-0.00168	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-30	3.96	0.002306	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-20	-2.13	-0.001240	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-10	2.55	0.001485	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	1.86	0.001083	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	-2.54	-0.001479	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	-3.87	-0.002253	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	30	-4.89	-0.002847	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	40	-5.62	-0.003272	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	50	-3.71	-0.00216	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	3.39	0.001957	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	3.44	0.001986	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-10	-2.74	-0.001582	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	-3.29	-0.001899	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	1.55	0.000895	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	-4.25	-0.002453	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	30	-5.1	-0.002944	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	40	-5.69	-0.003284	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	50	-2.77	-0.001599	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-30	4.15	0.002375	±2.5	PASS



Band4	15MHz	QPSK	20325	75RB#0	NV	-20	2.51	0.001436	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-10	3.15	0.001803	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	-3.67	-0.002100	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	3.67	0.002100	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	20	-3.83	-0.002192	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	30	-4.83	-0.002764	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	40	-5.46	-0.003124	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	50	-2.81	-0.001608	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-30	2.02	0.001176	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-20	4.45	0.002591	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-10	-2.58	-0.001502	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	0	-2.23	-0.001298	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	10	-4.33	-0.002521	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	20	-3.83	-0.00223	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	30	-5.36	-0.003121	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	40	-4.86	-0.00283	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	50	-3.32	-0.001933	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-30	3.59	0.002072	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-20	2.83	0.001633	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-10	2.84	0.001639	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	0	-1.50	-0.000866	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	10	2.87	0.001657	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	20	-3.8	-0.002193	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	30	-4.57	-0.002638	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	40	-5.38	-0.003105	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	50	-3.85	-0.002222	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-30	2.35	0.001345	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-20	-1.83	-0.001047	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-10	1.92	0.001099	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	0	3.13	0.001791	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	10	4.09	0.002340	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	20	-3.88	-0.00222	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	30	-4.33	-0.002478	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	40	-5.33	-0.00305	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	50	-3.57	-0.002043	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	4.72	0.002744	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	4.49	0.002610	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	3.45	0.002006	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	2.62	0.001523	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	2.99	0.001738	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-4.31	-0.002506	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-5.33	-0.003099	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	-5.41	-0.003145	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	-3.38	-0.001965	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-3.26	-0.001882	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	4.27	0.002465	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-3.29	-0.001899	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	4.00	0.002309	±2.5	PASS



Band4	20MHz	QPSK	20175	100RB#0	NV	10	3.49	0.002014	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-4.53	-0.002615	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-4.62	-0.002667	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-5.84	-0.003371	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-3.43	-0.00198	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-6.77	-0.003880	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-4.06	-0.002327	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-4.59	-0.002630	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-6.05	-0.003467	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-7.28	-0.004172	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-4.15	-0.002378	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-5.7	-0.003266	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-4.77	-0.002734	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-3.41	-0.001954	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	2.95	0.001715	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	4.52	0.002628	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	3.45	0.002006	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	3.16	0.001837	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	3.75	0.002180	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-4.33	-0.002517	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-4.57	-0.002657	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-4.87	-0.002831	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	-3.66	-0.002128	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	4.25	0.002453	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	3.30	0.001905	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	-2.25	-0.001299	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	2.04	0.001177	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	3.60	0.002078	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-3.56	-0.002055	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-4.61	-0.002661	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-5.46	-0.003152	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	-3.46	-0.001997	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-4.57	-0.002619	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-4.05	-0.002321	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-6.42	-0.003679	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-2.47	-0.001415	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-3.70	-0.002120	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-3.48	-0.001994	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-4.3	-0.002464	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-5.07	-0.002905	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-2.69	-0.001542	±2.5	PASS

END