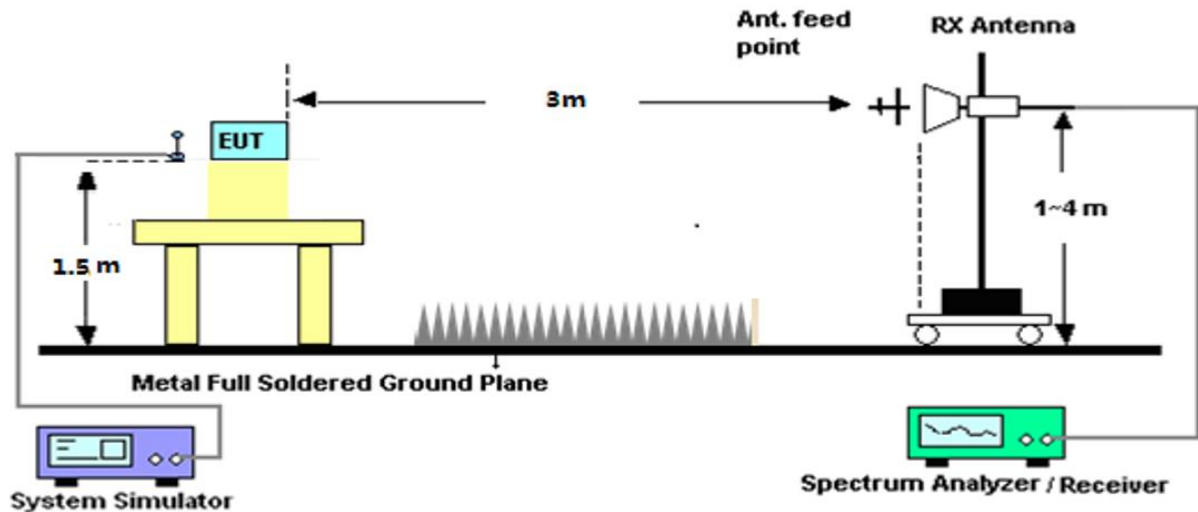


For radiated test from above 1GHz



9.1.3 TEST PROCEDURES

1. The testing FCC KDB 971168 D01 Section 7 and ANSI C63.26 2015 Section 5.5.
2. The EUT was placed on a rotatable wooden table with 1.5 meter above ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13$ dBm

For Band 7:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= [30 + 10\log(P)]$ (dBm) - $[55 + 10\log(P)]$ (dB)
 $= -25$ dBm

$P_{Mea} = S.G \text{ Level} + \text{Ant-Cable loss}$; $\text{Margin} = P_{Mea} - \text{Limit}$.

9.1.4 TEST RESULTS

Note: Test chart See Appendix II

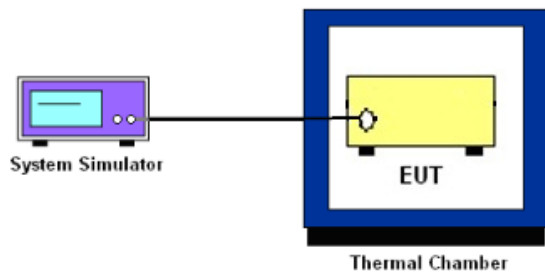
10. FREQUENCY STABILITY

10.1 DESCRIPTION OF FREQUENCY STABILITY MEASUREMENT

10.1.1 MEASUREMENT METHOD

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

10.1.2 TEST SETUP



10.1.3 TEST PROCEDURES FOR TEMPERATURE VARIATION

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

10.1.4 TEST PROCEDURES FOR VOLTAGE VARIATION

1. The testing follows FCC KDB 971168 D01v01r03 Section 9.
2. The EUT was placed in a temperature chamber at $25 \pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

10.1.5 TEST RESULTS

Note: Test chart See Appendix II

APPENDIX I-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

APPENDIX II-TEST DATA

Conducted output Power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band2	1.4	18607	1	#0	QPSK	23.14	0.37	23.51	33.01	PASS
Band2	1.4	18607	1	#Mid	QPSK	23.15	0.37	23.52	33.01	PASS
Band2	1.4	18607	1	#Max	QPSK	23.11	0.37	23.48	33.01	PASS
Band2	1.4	18607	3	#0	QPSK	23.02	0.37	23.39	33.01	PASS
Band2	1.4	18607	3	#Mid	QPSK	23	0.37	23.37	33.01	PASS
Band2	1.4	18607	3	#Max	QPSK	23.03	0.37	23.4	33.01	PASS
Band2	1.4	18607	6	#0	QPSK	21.98	0.37	22.35	33.01	PASS
Band2	1.4	18607	1	#0	QAM16	23.01	0.37	23.38	33.01	PASS
Band2	1.4	18607	1	#Mid	QAM16	23.02	0.37	23.39	33.01	PASS
Band2	1.4	18607	1	#Max	QAM16	23.03	0.37	23.4	33.01	PASS
Band2	1.4	18607	3	#0	QAM16	22.21	0.37	22.58	33.01	PASS
Band2	1.4	18607	3	#Mid	QAM16	22.2	0.37	22.57	33.01	PASS
Band2	1.4	18607	3	#Max	QAM16	22.18	0.37	22.55	33.01	PASS
Band2	1.4	18607	6	#0	QAM16	21.07	0.37	21.44	33.01	PASS
Band2	1.4	18900	1	#0	QPSK	22.86	0.37	23.23	33.01	PASS
Band2	1.4	18900	1	#Mid	QPSK	22.93	0.37	23.3	33.01	PASS
Band2	1.4	18900	1	#Max	QPSK	22.88	0.37	23.25	33.01	PASS
Band2	1.4	18900	3	#0	QPSK	22.96	0.37	23.33	33.01	PASS
Band2	1.4	18900	3	#Mid	QPSK	23.02	0.37	23.39	33.01	PASS
Band2	1.4	18900	3	#Max	QPSK	22.97	0.37	23.34	33.01	PASS
Band2	1.4	18900	6	#0	QPSK	22.02	0.37	22.39	33.01	PASS
Band2	1.4	18900	1	#0	QAM16	22.1	0.37	22.47	33.01	PASS
Band2	1.4	18900	1	#Mid	QAM16	22.04	0.37	22.41	33.01	PASS
Band2	1.4	18900	1	#Max	QAM16	22.16	0.37	22.53	33.01	PASS
Band2	1.4	18900	3	#0	QAM16	21.94	0.37	22.31	33.01	PASS
Band2	1.4	18900	3	#Mid	QAM16	22.01	0.37	22.38	33.01	PASS
Band2	1.4	18900	3	#Max	QAM16	22.15	0.37	22.52	33.01	PASS
Band2	1.4	18900	6	#0	QAM16	21.01	0.37	21.38	33.01	PASS
Band2	1.4	19193	1	#0	QPSK	22.99	0.37	23.36	33.01	PASS
Band2	1.4	19193	1	#Mid	QPSK	22.99	0.37	23.36	33.01	PASS
Band2	1.4	19193	1	#Max	QPSK	23.04	0.37	23.41	33.01	PASS
Band2	1.4	19193	3	#0	QPSK	22.95	0.37	23.32	33.01	PASS
Band2	1.4	19193	3	#Mid	QPSK	23.01	0.37	23.38	33.01	PASS
Band2	1.4	19193	3	#Max	QPSK	22.95	0.37	23.32	33.01	PASS
Band2	1.4	19193	6	#0	QPSK	22.08	0.37	22.45	33.01	PASS
Band2	1.4	19193	1	#0	QAM16	22.38	0.37	22.75	33.01	PASS
Band2	1.4	19193	1	#Mid	QAM16	22.4	0.37	22.77	33.01	PASS
Band2	1.4	19193	1	#Max	QAM16	22.4	0.37	22.77	33.01	PASS

Band2	1.4	19193	3	#0	QAM16	22.48	0.37	22.85	33.01	PASS
Band2	1.4	19193	3	#Mid	QAM16	22.46	0.37	22.83	33.01	PASS
Band2	1.4	19193	3	#Max	QAM16	22.44	0.37	22.81	33.01	PASS
Band2	1.4	19193	6	#0	QAM16	21.24	0.37	21.61	33.01	PASS
Band2	3	18615	1	#0	QPSK	23	0.37	23.37	33.01	PASS
Band2	3	18615	1	#Mid	QPSK	22.95	0.37	23.32	33.01	PASS
Band2	3	18615	1	#Max	QPSK	22.99	0.37	23.36	33.01	PASS
Band2	3	18615	8	#0	QPSK	21.99	0.37	22.36	33.01	PASS
Band2	3	18615	8	#Mid	QPSK	21.97	0.37	22.34	33.01	PASS
Band2	3	18615	8	#Max	QPSK	22.02	0.37	22.39	33.01	PASS
Band2	3	18615	15	#0	QPSK	22.07	0.37	22.44	33.01	PASS
Band2	3	18615	1	#0	QAM16	23.15	0.37	23.52	33.01	PASS
Band2	3	18615	1	#Mid	QAM16	23.14	0.37	23.51	33.01	PASS
Band2	3	18615	1	#Max	QAM16	23.14	0.37	23.51	33.01	PASS
Band2	3	18615	8	#0	QAM16	21.02	0.37	21.39	33.01	PASS
Band2	3	18615	8	#Mid	QAM16	21.02	0.37	21.39	33.01	PASS
Band2	3	18615	8	#Max	QAM16	21.01	0.37	21.38	33.01	PASS
Band2	3	18615	15	#0	QAM16	21.2	0.37	21.57	33.01	PASS
Band2	3	18900	1	#0	QPSK	22.96	0.37	23.33	33.01	PASS
Band2	3	18900	1	#Mid	QPSK	23.04	0.37	23.41	33.01	PASS
Band2	3	18900	1	#Max	QPSK	22.92	0.37	23.29	33.01	PASS
Band2	3	18900	8	#0	QPSK	22.02	0.37	22.39	33.01	PASS
Band2	3	18900	8	#Mid	QPSK	22.09	0.37	22.46	33.01	PASS
Band2	3	18900	8	#Max	QPSK	22.09	0.37	22.46	33.01	PASS
Band2	3	18900	15	#0	QPSK	22.07	0.37	22.44	33.01	PASS
Band2	3	18900	1	#0	QAM16	21.48	0.37	21.85	33.01	PASS
Band2	3	18900	1	#Mid	QAM16	21.43	0.37	21.8	33.01	PASS
Band2	3	18900	1	#Max	QAM16	21.56	0.37	21.93	33.01	PASS
Band2	3	18900	8	#0	QAM16	21.01	0.37	21.38	33.01	PASS
Band2	3	18900	8	#Mid	QAM16	21.08	0.37	21.45	33.01	PASS
Band2	3	18900	8	#Max	QAM16	21.08	0.37	21.45	33.01	PASS
Band2	3	18900	15	#0	QAM16	21.01	0.37	21.38	33.01	PASS
Band2	3	19185	1	#0	QPSK	22.95	0.37	23.32	33.01	PASS
Band2	3	19185	1	#Mid	QPSK	23.03	0.37	23.4	33.01	PASS
Band2	3	19185	1	#Max	QPSK	23.07	0.37	23.44	33.01	PASS
Band2	3	19185	8	#0	QPSK	21.92	0.37	22.29	33.01	PASS
Band2	3	19185	8	#Mid	QPSK	21.98	0.37	22.35	33.01	PASS
Band2	3	19185	8	#Max	QPSK	21.97	0.37	22.34	33.01	PASS
Band2	3	19185	15	#0	QPSK	22.01	0.37	22.38	33.01	PASS
Band2	3	19185	1	#0	QAM16	22.08	0.37	22.45	33.01	PASS
Band2	3	19185	1	#Mid	QAM16	22.14	0.37	22.51	33.01	PASS
Band2	3	19185	1	#Max	QAM16	22.17	0.37	22.54	33.01	PASS
Band2	3	19185	8	#0	QAM16	21.05	0.37	21.42	33.01	PASS
Band2	3	19185	8	#Mid	QAM16	21.09	0.37	21.46	33.01	PASS
Band2	3	19185	8	#Max	QAM16	21.06	0.37	21.43	33.01	PASS
Band2	3	19185	15	#0	QAM16	21.19	0.37	21.56	33.01	PASS
Band2	5	18625	1	#0	QPSK	22.95	0.37	23.32	33.01	PASS
Band2	5	18625	1	#Mid	QPSK	22.89	0.37	23.26	33.01	PASS
Band2	5	18625	1	#Max	QPSK	22.95	0.37	23.32	33.01	PASS

Band2	5	18625	12	#0	QPSK	21.95	0.37	22.32	33.01	PASS
Band2	5	18625	12	#Mid	QPSK	21.93	0.37	22.3	33.01	PASS
Band2	5	18625	12	#Max	QPSK	22.02	0.37	22.39	33.01	PASS
Band2	5	18625	25	#0	QPSK	22.01	0.37	22.38	33.01	PASS
Band2	5	18625	1	#0	QAM16	22.24	0.37	22.61	33.01	PASS
Band2	5	18625	1	#Mid	QAM16	22.3	0.37	22.67	33.01	PASS
Band2	5	18625	1	#Max	QAM16	22.29	0.37	22.66	33.01	PASS
Band2	5	18625	12	#0	QAM16	21	0.37	21.37	33.01	PASS
Band2	5	18625	12	#Mid	QAM16	21.01	0.37	21.38	33.01	PASS
Band2	5	18625	12	#Max	QAM16	21	0.37	21.37	33.01	PASS
Band2	5	18625	25	#0	QAM16	21.11	0.37	21.48	33.01	PASS
Band2	5	18900	1	#0	QPSK	22.96	0.37	23.33	33.01	PASS
Band2	5	18900	1	#Mid	QPSK	22.96	0.37	23.33	33.01	PASS
Band2	5	18900	1	#Max	QPSK	23.04	0.37	23.41	33.01	PASS
Band2	5	18900	12	#0	QPSK	22.03	0.37	22.4	33.01	PASS
Band2	5	18900	12	#Mid	QPSK	22.04	0.37	22.41	33.01	PASS
Band2	5	18900	12	#Max	QPSK	22.04	0.37	22.41	33.01	PASS
Band2	5	18900	25	#0	QPSK	22.07	0.37	22.44	33.01	PASS
Band2	5	18900	1	#0	QAM16	21.71	0.37	22.08	33.01	PASS
Band2	5	18900	1	#Mid	QAM16	21.72	0.37	22.09	33.01	PASS
Band2	5	18900	1	#Max	QAM16	21.81	0.37	22.18	33.01	PASS
Band2	5	18900	12	#0	QAM16	20.93	0.37	21.3	33.01	PASS
Band2	5	18900	12	#Mid	QAM16	20.93	0.37	21.3	33.01	PASS
Band2	5	18900	12	#Max	QAM16	21	0.37	21.37	33.01	PASS
Band2	5	18900	25	#0	QAM16	21.15	0.37	21.52	33.01	PASS
Band2	5	19175	1	#0	QPSK	22.9	0.37	23.27	33.01	PASS
Band2	5	19175	1	#Mid	QPSK	22.86	0.37	23.23	33.01	PASS
Band2	5	19175	1	#Max	QPSK	22.9	0.37	23.27	33.01	PASS
Band2	5	19175	12	#0	QPSK	21.96	0.37	22.33	33.01	PASS
Band2	5	19175	12	#Mid	QPSK	21.94	0.37	22.31	33.01	PASS
Band2	5	19175	12	#Max	QPSK	21.96	0.37	22.33	33.01	PASS
Band2	5	19175	25	#0	QPSK	21.98	0.37	22.35	33.01	PASS
Band2	5	19175	1	#0	QAM16	21.95	0.37	22.32	33.01	PASS
Band2	5	19175	1	#Mid	QAM16	21.99	0.37	22.36	33.01	PASS
Band2	5	19175	1	#Max	QAM16	22.04	0.37	22.41	33.01	PASS
Band2	5	19175	12	#0	QAM16	21.11	0.37	21.48	33.01	PASS
Band2	5	19175	12	#Mid	QAM16	21.05	0.37	21.42	33.01	PASS
Band2	5	19175	12	#Max	QAM16	21.09	0.37	21.46	33.01	PASS
Band2	5	19175	25	#0	QAM16	21.06	0.37	21.43	33.01	PASS
Band2	10	18650	1	#0	QPSK	22.98	0.37	23.35	33.01	PASS
Band2	10	18650	1	#Mid	QPSK	22.93	0.37	23.3	33.01	PASS
Band2	10	18650	1	#Max	QPSK	22.96	0.37	23.33	33.01	PASS
Band2	10	18650	25	#0	QPSK	21.95	0.37	22.32	33.01	PASS
Band2	10	18650	25	#Mid	QPSK	21.93	0.37	22.3	33.01	PASS
Band2	10	18650	25	#Max	QPSK	22.04	0.37	22.41	33.01	PASS
Band2	10	18650	50	#0	QPSK	22.1	0.37	22.47	33.01	PASS
Band2	10	18650	1	#0	QAM16	23.11	0.37	23.48	33.01	PASS
Band2	10	18650	1	#Mid	QAM16	23.13	0.37	23.5	33.01	PASS
Band2	10	18650	1	#Max	QAM16	23.17	0.37	23.54	33.01	PASS

Band2	10	18650	25	#0	QAM16	21.02	0.37	21.39	33.01	PASS
Band2	10	18650	25	#Mid	QAM16	20.96	0.37	21.33	33.01	PASS
Band2	10	18650	25	#Max	QAM16	21.05	0.37	21.42	33.01	PASS
Band2	10	18650	50	#0	QAM16	21.03	0.37	21.4	33.01	PASS
Band2	10	18900	1	#0	QPSK	23.06	0.37	23.43	33.01	PASS
Band2	10	18900	1	#Mid	QPSK	23.07	0.37	23.44	33.01	PASS
Band2	10	18900	1	#Max	QPSK	23.12	0.37	23.49	33.01	PASS
Band2	10	18900	25	#0	QPSK	22.08	0.37	22.45	33.01	PASS
Band2	10	18900	25	#Mid	QPSK	22.05	0.37	22.42	33.01	PASS
Band2	10	18900	25	#Max	QPSK	22.03	0.37	22.4	33.01	PASS
Band2	10	18900	50	#0	QPSK	21.94	0.37	22.31	33.01	PASS
Band2	10	18900	1	#0	QAM16	22.72	0.37	23.09	33.01	PASS
Band2	10	18900	1	#Mid	QAM16	22.75	0.37	23.12	33.01	PASS
Band2	10	18900	1	#Max	QAM16	22.76	0.37	23.13	33.01	PASS
Band2	10	18900	25	#0	QAM16	21.16	0.37	21.53	33.01	PASS
Band2	10	18900	25	#Mid	QAM16	21.16	0.37	21.53	33.01	PASS
Band2	10	18900	25	#Max	QAM16	21.24	0.37	21.61	33.01	PASS
Band2	10	18900	50	#0	QAM16	21.17	0.37	21.54	33.01	PASS
Band2	10	19150	1	#0	QPSK	23.09	0.37	23.46	33.01	PASS
Band2	10	19150	1	#Mid	QPSK	23.03	0.37	23.4	33.01	PASS
Band2	10	19150	1	#Max	QPSK	22.97	0.37	23.34	33.01	PASS
Band2	10	19150	25	#0	QPSK	22.05	0.37	22.42	33.01	PASS
Band2	10	19150	25	#Mid	QPSK	22.01	0.37	22.38	33.01	PASS
Band2	10	19150	25	#Max	QPSK	22.04	0.37	22.41	33.01	PASS
Band2	10	19150	50	#0	QPSK	22	0.37	22.37	33.01	PASS
Band2	10	19150	1	#0	QAM16	22.42	0.37	22.79	33.01	PASS
Band2	10	19150	1	#Mid	QAM16	22.37	0.37	22.74	33.01	PASS
Band2	10	19150	1	#Max	QAM16	22.36	0.37	22.73	33.01	PASS
Band2	10	19150	25	#0	QAM16	21.13	0.37	21.5	33.01	PASS
Band2	10	19150	25	#Mid	QAM16	21.17	0.37	21.54	33.01	PASS
Band2	10	19150	25	#Max	QAM16	21.17	0.37	21.54	33.01	PASS
Band2	10	19150	50	#0	QAM16	21.11	0.37	21.48	33.01	PASS
Band2	15	18675	1	#0	QPSK	22.96	0.37	23.33	33.01	PASS
Band2	15	18675	1	#Mid	QPSK	23.01	0.37	23.38	33.01	PASS
Band2	15	18675	1	#Max	QPSK	23.01	0.37	23.38	33.01	PASS
Band2	15	18675	36	#0	QPSK	22.1	0.37	22.47	33.01	PASS
Band2	15	18675	36	#Mid	QPSK	22	0.37	22.37	33.01	PASS
Band2	15	18675	36	#Max	QPSK	22.05	0.37	22.42	33.01	PASS
Band2	15	18675	75	#0	QPSK	22.13	0.37	22.5	33.01	PASS
Band2	15	18675	1	#0	QAM16	23.14	0.37	23.51	33.01	PASS
Band2	15	18675	1	#Mid	QAM16	23.11	0.37	23.48	33.01	PASS
Band2	15	18675	1	#Max	QAM16	23.25	0.37	23.62	33.01	PASS
Band2	15	18675	36	#0	QAM16	21.11	0.37	21.48	33.01	PASS
Band2	15	18675	36	#Mid	QAM16	21.06	0.37	21.43	33.01	PASS
Band2	15	18675	36	#Max	QAM16	21.45	0.37	21.82	33.01	PASS
Band2	15	18675	75	#0	QAM16	21.12	0.37	21.49	33.01	PASS
Band2	15	18900	1	#0	QPSK	22.95	0.37	23.32	33.01	PASS
Band2	15	18900	1	#Mid	QPSK	22.99	0.37	23.36	33.01	PASS
Band2	15	18900	1	#Max	QPSK	22.98	0.37	23.35	33.01	PASS

Band2	15	18900	36	#0	QPSK	22.02	0.37	22.39	33.01	PASS
Band2	15	18900	36	#Mid	QPSK	22	0.37	22.37	33.01	PASS
Band2	15	18900	36	#Max	QPSK	22.11	0.37	22.48	33.01	PASS
Band2	15	18900	75	#0	QPSK	22.1	0.37	22.47	33.01	PASS
Band2	15	18900	1	#0	QAM16	22.09	0.37	22.46	33.01	PASS
Band2	15	18900	1	#Mid	QAM16	22.05	0.37	22.42	33.01	PASS
Band2	15	18900	1	#Max	QAM16	22.09	0.37	22.46	33.01	PASS
Band2	15	18900	36	#0	QAM16	21.22	0.37	21.59	33.01	PASS
Band2	15	18900	36	#Mid	QAM16	21.16	0.37	21.53	33.01	PASS
Band2	15	18900	36	#Max	QAM16	21.27	0.37	21.64	33.01	PASS
Band2	15	18900	75	#0	QAM16	21.08	0.37	21.45	33.01	PASS
Band2	15	19125	1	#0	QPSK	23.01	0.37	23.38	33.01	PASS
Band2	15	19125	1	#Mid	QPSK	22.92	0.37	23.29	33.01	PASS
Band2	15	19125	1	#Max	QPSK	22.99	0.37	23.36	33.01	PASS
Band2	15	19125	36	#0	QPSK	22.11	0.37	22.48	33.01	PASS
Band2	15	19125	36	#Mid	QPSK	22.01	0.37	22.38	33.01	PASS
Band2	15	19125	36	#Max	QPSK	22	0.37	22.37	33.01	PASS
Band2	15	19125	75	#0	QPSK	21.99	0.37	22.36	33.01	PASS
Band2	15	19125	1	#0	QAM16	22.71	0.37	23.08	33.01	PASS
Band2	15	19125	1	#Mid	QAM16	22.61	0.37	22.98	33.01	PASS
Band2	15	19125	1	#Max	QAM16	22.73	0.37	23.1	33.01	PASS
Band2	15	19125	36	#0	QAM16	21.13	0.37	21.5	33.01	PASS
Band2	15	19125	36	#Mid	QAM16	21.04	0.37	21.41	33.01	PASS
Band2	15	19125	36	#Max	QAM16	21.11	0.37	21.48	33.01	PASS
Band2	15	19125	75	#0	QAM16	21.14	0.37	21.51	33.01	PASS
Band2	20	18700	1	#0	QPSK	22.96	0.37	23.33	33.01	PASS
Band2	20	18700	1	#Mid	QPSK	22.96	0.37	23.33	33.01	PASS
Band2	20	18700	1	#Max	QPSK	22.96	0.37	23.33	33.01	PASS
Band2	20	18700	50	#0	QPSK	22.05	0.37	22.42	33.01	PASS
Band2	20	18700	50	#Mid	QPSK	22.02	0.37	22.39	33.01	PASS
Band2	20	18700	50	#Max	QPSK	21.99	0.37	22.36	33.01	PASS
Band2	20	18700	100	#0	QPSK	22	0.37	22.37	33.01	PASS
Band2	20	18700	1	#0	QAM16	21.72	0.37	22.09	33.01	PASS
Band2	20	18700	1	#Mid	QAM16	22.11	0.37	22.48	33.01	PASS
Band2	20	18700	1	#Max	QAM16	22.22	0.37	22.59	33.01	PASS
Band2	20	18700	50	#0	QAM16	21.18	0.37	21.55	33.01	PASS
Band2	20	18700	50	#Mid	QAM16	21.19	0.37	21.56	33.01	PASS
Band2	20	18700	50	#Max	QAM16	21.19	0.37	21.56	33.01	PASS
Band2	20	18700	100	#0	QAM16	21.08	0.37	21.45	33.01	PASS
Band2	20	18900	1	#0	QPSK	23.11	0.37	23.48	33.01	PASS
Band2	20	18900	1	#Mid	QPSK	23.25	0.37	23.62	33.01	PASS
Band2	20	18900	1	#Max	QPSK	23.3	0.37	23.67	33.01	PASS
Band2	20	18900	50	#0	QPSK	22.04	0.37	22.41	33.01	PASS
Band2	20	18900	50	#Mid	QPSK	22.1	0.37	22.47	33.01	PASS
Band2	20	18900	50	#Max	QPSK	22.03	0.37	22.4	33.01	PASS
Band2	20	18900	100	#0	QPSK	22.04	0.37	22.41	33.01	PASS
Band2	20	18900	1	#0	QAM16	21.52	0.37	21.89	33.01	PASS
Band2	20	18900	1	#Mid	QAM16	21.61	0.37	21.98	33.01	PASS
Band2	20	18900	1	#Max	QAM16	21.85	0.37	22.22	33.01	PASS

Band2	20	18900	50	#0	QAM16	21.03	0.37	21.4	33.01	PASS
Band2	20	18900	50	#Mid	QAM16	21.07	0.37	21.44	33.01	PASS
Band2	20	18900	50	#Max	QAM16	21.08	0.37	21.45	33.01	PASS
Band2	20	18900	100	#0	QAM16	21.08	0.37	21.45	33.01	PASS
Band2	20	19100	1	#0	QPSK	23.13	0.37	23.5	33.01	PASS
Band2	20	19100	1	#Mid	QPSK	23.13	0.37	23.5	33.01	PASS
Band2	20	19100	1	#Max	QPSK	23.14	0.37	23.51	33.01	PASS
Band2	20	19100	50	#0	QPSK	22.09	0.37	22.46	33.01	PASS
Band2	20	19100	50	#Mid	QPSK	22.04	0.37	22.41	33.01	PASS
Band2	20	19100	50	#Max	QPSK	22.06	0.37	22.43	33.01	PASS
Band2	20	19100	100	#0	QPSK	22	0.37	22.37	33.01	PASS
Band2	20	19100	1	#0	QAM16	21.9	0.37	22.27	33.01	PASS
Band2	20	19100	1	#Mid	QAM16	21.96	0.37	22.33	33.01	PASS
Band2	20	19100	1	#Max	QAM16	21.94	0.37	22.31	33.01	PASS
Band2	20	19100	50	#0	QAM16	21.12	0.37	21.49	33.01	PASS
Band2	20	19100	50	#Mid	QAM16	21.1	0.37	21.47	33.01	PASS
Band2	20	19100	50	#Max	QAM16	21.15	0.37	21.52	33.01	PASS
Band2	20	19100	100	#0	QAM16	21.2	0.37	21.57	33.01	PASS
Band4	1.4	19957	1	#0	QPSK	23.04	0.35	23.39	30	PASS
Band4	1.4	19957	1	#Mid	QPSK	23.01	0.35	23.36	30	PASS
Band4	1.4	19957	1	#Max	QPSK	23.03	0.35	23.38	30	PASS
Band4	1.4	19957	3	#0	QPSK	22.88	0.35	23.23	30	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.95	0.35	23.3	30	PASS
Band4	1.4	19957	3	#Max	QPSK	22.93	0.35	23.28	30	PASS
Band4	1.4	19957	6	#0	QPSK	21.94	0.35	22.29	30	PASS
Band4	1.4	19957	1	#0	QAM16	22.94	0.35	23.29	30	PASS
Band4	1.4	19957	1	#Mid	QAM16	22.91	0.35	23.26	30	PASS
Band4	1.4	19957	1	#Max	QAM16	22.97	0.35	23.32	30	PASS
Band4	1.4	19957	3	#0	QAM16	22.14	0.35	22.49	30	PASS
Band4	1.4	19957	3	#Mid	QAM16	22.14	0.35	22.49	30	PASS
Band4	1.4	19957	3	#Max	QAM16	22.12	0.35	22.47	30	PASS
Band4	1.4	19957	6	#0	QAM16	21.13	0.35	21.48	30	PASS
Band4	1.4	20175	1	#0	QPSK	22.79	0.35	23.14	30	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.76	0.35	23.11	30	PASS
Band4	1.4	20175	1	#Max	QPSK	22.8	0.35	23.15	30	PASS
Band4	1.4	20175	3	#0	QPSK	22.92	0.35	23.27	30	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.82	0.35	23.17	30	PASS
Band4	1.4	20175	3	#Max	QPSK	22.93	0.35	23.28	30	PASS
Band4	1.4	20175	6	#0	QPSK	21.79	0.35	22.14	30	PASS
Band4	1.4	20175	1	#0	QAM16	22.53	0.35	22.88	30	PASS
Band4	1.4	20175	1	#Mid	QAM16	22.41	0.35	22.76	30	PASS
Band4	1.4	20175	1	#Max	QAM16	22.47	0.35	22.82	30	PASS
Band4	1.4	20175	3	#0	QAM16	21.93	0.35	22.28	30	PASS
Band4	1.4	20175	3	#Mid	QAM16	21.95	0.35	22.3	30	PASS
Band4	1.4	20175	3	#Max	QAM16	21.92	0.35	22.27	30	PASS
Band4	1.4	20175	6	#0	QAM16	20.88	0.35	21.23	30	PASS
Band4	1.4	20393	1	#0	QPSK	23.06	0.35	23.41	30	PASS
Band4	1.4	20393	1	#Mid	QPSK	23.1	0.35	23.45	30	PASS
Band4	1.4	20393	1	#Max	QPSK	23.13	0.35	23.48	30	PASS

Band4	1.4	20393	3	#0	QPSK	22.84	0.35	23.19	30	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.9	0.35	23.25	30	PASS
Band4	1.4	20393	3	#Max	QPSK	22.83	0.35	23.18	30	PASS
Band4	1.4	20393	6	#0	QPSK	21.87	0.35	22.22	30	PASS
Band4	1.4	20393	1	#0	QAM16	22.39	0.35	22.74	30	PASS
Band4	1.4	20393	1	#Mid	QAM16	22.38	0.35	22.73	30	PASS
Band4	1.4	20393	1	#Max	QAM16	22.49	0.35	22.84	30	PASS
Band4	1.4	20393	3	#0	QAM16	22.24	0.35	22.59	30	PASS
Band4	1.4	20393	3	#Mid	QAM16	22.17	0.35	22.52	30	PASS
Band4	1.4	20393	3	#Max	QAM16	22.14	0.35	22.49	30	PASS
Band4	1.4	20393	6	#0	QAM16	21.17	0.35	21.52	30	PASS
Band4	3	19965	1	#0	QPSK	22.85	0.35	23.2	30	PASS
Band4	3	19965	1	#Mid	QPSK	22.82	0.35	23.17	30	PASS
Band4	3	19965	1	#Max	QPSK	22.8	0.35	23.15	30	PASS
Band4	3	19965	8	#0	QPSK	21.99	0.35	22.34	30	PASS
Band4	3	19965	8	#Mid	QPSK	21.96	0.35	22.31	30	PASS
Band4	3	19965	8	#Max	QPSK	21.84	0.35	22.19	30	PASS
Band4	3	19965	15	#0	QPSK	21.93	0.35	22.28	30	PASS
Band4	3	19965	1	#0	QAM16	23.02	0.35	23.37	30	PASS
Band4	3	19965	1	#Mid	QAM16	22.99	0.35	23.34	30	PASS
Band4	3	19965	1	#Max	QAM16	23	0.35	23.35	30	PASS
Band4	3	19965	8	#0	QAM16	20.91	0.35	21.26	30	PASS
Band4	3	19965	8	#Mid	QAM16	20.97	0.35	21.32	30	PASS
Band4	3	19965	8	#Max	QAM16	20.86	0.35	21.21	30	PASS
Band4	3	19965	15	#0	QAM16	21.15	0.35	21.5	30	PASS
Band4	3	20175	1	#0	QPSK	22.87	0.35	23.22	30	PASS
Band4	3	20175	1	#Mid	QPSK	22.94	0.35	23.29	30	PASS
Band4	3	20175	1	#Max	QPSK	22.88	0.35	23.23	30	PASS
Band4	3	20175	8	#0	QPSK	21.83	0.35	22.18	30	PASS
Band4	3	20175	8	#Mid	QPSK	21.76	0.35	22.11	30	PASS
Band4	3	20175	8	#Max	QPSK	21.76	0.35	22.11	30	PASS
Band4	3	20175	15	#0	QPSK	21.75	0.35	22.1	30	PASS
Band4	3	20175	1	#0	QAM16	21.99	0.35	22.34	30	PASS
Band4	3	20175	1	#Mid	QAM16	21.87	0.35	22.22	30	PASS
Band4	3	20175	1	#Max	QAM16	21.86	0.35	22.21	30	PASS
Band4	3	20175	8	#0	QAM16	20.96	0.35	21.31	30	PASS
Band4	3	20175	8	#Mid	QAM16	21.15	0.35	21.5	30	PASS
Band4	3	20175	8	#Max	QAM16	21.14	0.35	21.49	30	PASS
Band4	3	20175	15	#0	QAM16	20.98	0.35	21.33	30	PASS
Band4	3	20385	1	#0	QPSK	23.03	0.35	23.38	30	PASS
Band4	3	20385	1	#Mid	QPSK	23.13	0.35	23.48	30	PASS
Band4	3	20385	1	#Max	QPSK	23.02	0.35	23.37	30	PASS
Band4	3	20385	8	#0	QPSK	21.91	0.35	22.26	30	PASS
Band4	3	20385	8	#Mid	QPSK	21.94	0.35	22.29	30	PASS
Band4	3	20385	8	#Max	QPSK	21.89	0.35	22.24	30	PASS
Band4	3	20385	15	#0	QPSK	21.92	0.35	22.27	30	PASS
Band4	3	20385	1	#0	QAM16	22.45	0.35	22.8	30	PASS
Band4	3	20385	1	#Mid	QAM16	22.44	0.35	22.79	30	PASS
Band4	3	20385	1	#Max	QAM16	22.42	0.35	22.77	30	PASS

Band4	3	20385	8	#0	QAM16	20.93	0.35	21.28	30	PASS
Band4	3	20385	8	#Mid	QAM16	20.97	0.35	21.32	30	PASS
Band4	3	20385	8	#Max	QAM16	20.92	0.35	21.27	30	PASS
Band4	3	20385	15	#0	QAM16	20.98	0.35	21.33	30	PASS
Band4	5	19975	1	#0	QPSK	22.84	0.35	23.19	30	PASS
Band4	5	19975	1	#Mid	QPSK	22.73	0.35	23.08	30	PASS
Band4	5	19975	1	#Max	QPSK	22.7	0.35	23.05	30	PASS
Band4	5	19975	12	#0	QPSK	21.95	0.35	22.3	30	PASS
Band4	5	19975	12	#Mid	QPSK	21.87	0.35	22.22	30	PASS
Band4	5	19975	12	#Max	QPSK	21.88	0.35	22.23	30	PASS
Band4	5	19975	25	#0	QPSK	21.76	0.35	22.11	30	PASS
Band4	5	19975	1	#0	QAM16	22.18	0.35	22.53	30	PASS
Band4	5	19975	1	#Mid	QAM16	22.11	0.35	22.46	30	PASS
Band4	5	19975	1	#Max	QAM16	22.02	0.35	22.37	30	PASS
Band4	5	19975	12	#0	QAM16	20.98	0.35	21.33	30	PASS
Band4	5	19975	12	#Mid	QAM16	20.77	0.35	21.12	30	PASS
Band4	5	19975	12	#Max	QAM16	20.8	0.35	21.15	30	PASS
Band4	5	19975	25	#0	QAM16	20.98	0.35	21.33	30	PASS
Band4	5	20175	1	#0	QPSK	22.83	0.35	23.18	30	PASS
Band4	5	20175	1	#Mid	QPSK	22.85	0.35	23.2	30	PASS
Band4	5	20175	1	#Max	QPSK	22.89	0.35	23.24	30	PASS
Band4	5	20175	12	#0	QPSK	21.8	0.35	22.15	30	PASS
Band4	5	20175	12	#Mid	QPSK	21.78	0.35	22.13	30	PASS
Band4	5	20175	12	#Max	QPSK	21.82	0.35	22.17	30	PASS
Band4	5	20175	25	#0	QPSK	21.81	0.35	22.16	30	PASS
Band4	5	20175	1	#0	QAM16	21.53	0.35	21.88	30	PASS
Band4	5	20175	1	#Mid	QAM16	21.48	0.35	21.83	30	PASS
Band4	5	20175	1	#Max	QAM16	21.56	0.35	21.91	30	PASS
Band4	5	20175	12	#0	QAM16	20.77	0.35	21.12	30	PASS
Band4	5	20175	12	#Mid	QAM16	20.79	0.35	21.14	30	PASS
Band4	5	20175	12	#Max	QAM16	20.82	0.35	21.17	30	PASS
Band4	5	20175	25	#0	QAM16	20.98	0.35	21.33	30	PASS
Band4	5	20375	1	#0	QPSK	22.66	0.35	23.01	30	PASS
Band4	5	20375	1	#Mid	QPSK	22.75	0.35	23.1	30	PASS
Band4	5	20375	1	#Max	QPSK	22.63	0.35	22.98	30	PASS
Band4	5	20375	12	#0	QPSK	21.96	0.35	22.31	30	PASS
Band4	5	20375	12	#Mid	QPSK	21.88	0.35	22.23	30	PASS
Band4	5	20375	12	#Max	QPSK	21.95	0.35	22.3	30	PASS
Band4	5	20375	25	#0	QPSK	21.98	0.35	22.33	30	PASS
Band4	5	20375	1	#0	QAM16	22.16	0.35	22.51	30	PASS
Band4	5	20375	1	#Mid	QAM16	22.07	0.35	22.42	30	PASS
Band4	5	20375	1	#Max	QAM16	22.14	0.35	22.49	30	PASS
Band4	5	20375	12	#0	QAM16	20.91	0.35	21.26	30	PASS
Band4	5	20375	12	#Mid	QAM16	20.96	0.35	21.31	30	PASS
Band4	5	20375	12	#Max	QAM16	20.89	0.35	21.24	30	PASS
Band4	5	20375	25	#0	QAM16	20.97	0.35	21.32	30	PASS
Band4	10	20000	1	#0	QPSK	22.85	0.35	23.2	30	PASS
Band4	10	20000	1	#Mid	QPSK	22.79	0.35	23.14	30	PASS
Band4	10	20000	1	#Max	QPSK	22.77	0.35	23.12	30	PASS

Band4	10	20000	25	#0	QPSK	21.9	0.35	22.25	30	PASS
Band4	10	20000	25	#Mid	QPSK	21.82	0.35	22.17	30	PASS
Band4	10	20000	25	#Max	QPSK	21.8	0.35	22.15	30	PASS
Band4	10	20000	50	#0	QPSK	21.87	0.35	22.22	30	PASS
Band4	10	20000	1	#0	QAM16	23.06	0.35	23.41	30	PASS
Band4	10	20000	1	#Mid	QAM16	23.03	0.35	23.38	30	PASS
Band4	10	20000	1	#Max	QAM16	22.97	0.35	23.32	30	PASS
Band4	10	20000	25	#0	QAM16	20.8	0.35	21.15	30	PASS
Band4	10	20000	25	#Mid	QAM16	20.75	0.35	21.1	30	PASS
Band4	10	20000	25	#Max	QAM16	20.88	0.35	21.23	30	PASS
Band4	10	20000	50	#0	QAM16	20.89	0.35	21.24	30	PASS
Band4	10	20175	1	#0	QPSK	22.9	0.35	23.25	30	PASS
Band4	10	20175	1	#Mid	QPSK	22.96	0.35	23.31	30	PASS
Band4	10	20175	1	#Max	QPSK	23	0.35	23.35	30	PASS
Band4	10	20175	25	#0	QPSK	21.83	0.35	22.18	30	PASS
Band4	10	20175	25	#Mid	QPSK	21.83	0.35	22.18	30	PASS
Band4	10	20175	25	#Max	QPSK	21.89	0.35	22.24	30	PASS
Band4	10	20175	50	#0	QPSK	21.89	0.35	22.24	30	PASS
Band4	10	20175	1	#0	QAM16	21.85	0.35	22.2	30	PASS
Band4	10	20175	1	#Mid	QAM16	21.84	0.35	22.19	30	PASS
Band4	10	20175	1	#Max	QAM16	21.96	0.35	22.31	30	PASS
Band4	10	20175	25	#0	QAM16	20.89	0.35	21.24	30	PASS
Band4	10	20175	25	#Mid	QAM16	20.97	0.35	21.32	30	PASS
Band4	10	20175	25	#Max	QAM16	21	0.35	21.35	30	PASS
Band4	10	20175	50	#0	QAM16	20.98	0.35	21.33	30	PASS
Band4	10	20350	1	#0	QPSK	22.99	0.35	23.34	30	PASS
Band4	10	20350	1	#Mid	QPSK	22.99	0.35	23.34	30	PASS
Band4	10	20350	1	#Max	QPSK	22.96	0.35	23.31	30	PASS
Band4	10	20350	25	#0	QPSK	21.98	0.35	22.33	30	PASS
Band4	10	20350	25	#Mid	QPSK	21.79	0.35	22.14	30	PASS
Band4	10	20350	25	#Max	QPSK	21.95	0.35	22.3	30	PASS
Band4	10	20350	50	#0	QPSK	21.85	0.35	22.2	30	PASS
Band4	10	20350	1	#0	QAM16	22.14	0.35	22.49	30	PASS
Band4	10	20350	1	#Mid	QAM16	22.15	0.35	22.5	30	PASS
Band4	10	20350	1	#Max	QAM16	22.15	0.35	22.5	30	PASS
Band4	10	20350	25	#0	QAM16	20.98	0.35	21.33	30	PASS
Band4	10	20350	25	#Mid	QAM16	20.91	0.35	21.26	30	PASS
Band4	10	20350	25	#Max	QAM16	20.98	0.35	21.33	30	PASS
Band4	10	20350	50	#0	QAM16	20.93	0.35	21.28	30	PASS
Band4	15	20025	1	#0	QPSK	22.84	0.35	23.19	30	PASS
Band4	15	20025	1	#Mid	QPSK	22.76	0.35	23.11	30	PASS
Band4	15	20025	1	#Max	QPSK	22.76	0.35	23.11	30	PASS
Band4	15	20025	36	#0	QPSK	21.88	0.35	22.23	30	PASS
Band4	15	20025	36	#Mid	QPSK	21.7	0.35	22.05	30	PASS
Band4	15	20025	36	#Max	QPSK	21.79	0.35	22.14	30	PASS
Band4	15	20025	75	#0	QPSK	21.74	0.35	22.09	30	PASS
Band4	15	20025	1	#0	QAM16	23.07	0.35	23.42	30	PASS
Band4	15	20025	1	#Mid	QAM16	22.95	0.35	23.3	30	PASS
Band4	15	20025	1	#Max	QAM16	22.95	0.35	23.3	30	PASS

Band4	15	20025	36	#0	QAM16	20.83	0.35	21.18	30	PASS
Band4	15	20025	36	#Mid	QAM16	20.85	0.35	21.2	30	PASS
Band4	15	20025	36	#Max	QAM16	20.83	0.35	21.18	30	PASS
Band4	15	20025	75	#0	QAM16	20.95	0.35	21.3	30	PASS
Band4	15	20175	1	#0	QPSK	22.9	0.35	23.25	30	PASS
Band4	15	20175	1	#Mid	QPSK	22.91	0.35	23.26	30	PASS
Band4	15	20175	1	#Max	QPSK	22.99	0.35	23.34	30	PASS
Band4	15	20175	36	#0	QPSK	21.81	0.35	22.16	30	PASS
Band4	15	20175	36	#Mid	QPSK	21.78	0.35	22.13	30	PASS
Band4	15	20175	36	#Max	QPSK	21.79	0.35	22.14	30	PASS
Band4	15	20175	75	#0	QPSK	21.79	0.35	22.14	30	PASS
Band4	15	20175	1	#0	QAM16	21.85	0.35	22.2	30	PASS
Band4	15	20175	1	#Mid	QAM16	21.82	0.35	22.17	30	PASS
Band4	15	20175	1	#Max	QAM16	22.03	0.35	22.38	30	PASS
Band4	15	20175	36	#0	QAM16	20.95	0.35	21.3	30	PASS
Band4	15	20175	36	#Mid	QAM16	21.04	0.35	21.39	30	PASS
Band4	15	20175	36	#Max	QAM16	21.12	0.35	21.47	30	PASS
Band4	15	20175	75	#0	QAM16	20.92	0.35	21.27	30	PASS
Band4	15	20325	1	#0	QPSK	23.07	0.35	23.42	30	PASS
Band4	15	20325	1	#Mid	QPSK	23.06	0.35	23.41	30	PASS
Band4	15	20325	1	#Max	QPSK	23.08	0.35	23.43	30	PASS
Band4	15	20325	36	#0	QPSK	21.87	0.35	22.22	30	PASS
Band4	15	20325	36	#Mid	QPSK	21.99	0.35	22.34	30	PASS
Band4	15	20325	36	#Max	QPSK	21.83	0.35	22.18	30	PASS
Band4	15	20325	75	#0	QPSK	21.86	0.35	22.21	30	PASS
Band4	15	20325	1	#0	QAM16	22.47	0.35	22.82	30	PASS
Band4	15	20325	1	#Mid	QAM16	22.59	0.35	22.94	30	PASS
Band4	15	20325	1	#Max	QAM16	22.66	0.35	23.01	30	PASS
Band4	15	20325	36	#0	QAM16	20.85	0.35	21.2	30	PASS
Band4	15	20325	36	#Mid	QAM16	20.91	0.35	21.26	30	PASS
Band4	15	20325	36	#Max	QAM16	20.88	0.35	21.23	30	PASS
Band4	15	20325	75	#0	QAM16	20.96	0.35	21.31	30	PASS
Band4	20	20050	1	#0	QPSK	22.88	0.35	23.23	30	PASS
Band4	20	20050	1	#Mid	QPSK	22.69	0.35	23.04	30	PASS
Band4	20	20050	1	#Max	QPSK	22.82	0.35	23.17	30	PASS
Band4	20	20050	50	#0	QPSK	21.8	0.35	22.15	30	PASS
Band4	20	20050	50	#Mid	QPSK	21.85	0.35	22.2	30	PASS
Band4	20	20050	50	#Max	QPSK	21.87	0.35	22.22	30	PASS
Band4	20	20050	100	#0	QPSK	21.82	0.35	22.17	30	PASS
Band4	20	20050	1	#0	QAM16	21.58	0.35	21.93	30	PASS
Band4	20	20050	1	#Mid	QAM16	21.46	0.35	21.81	30	PASS
Band4	20	20050	1	#Max	QAM16	21.55	0.35	21.9	30	PASS
Band4	20	20050	50	#0	QAM16	20.92	0.35	21.27	30	PASS
Band4	20	20050	50	#Mid	QAM16	20.91	0.35	21.26	30	PASS
Band4	20	20050	50	#Max	QAM16	20.9	0.35	21.25	30	PASS
Band4	20	20050	100	#0	QAM16	20.81	0.35	21.16	30	PASS
Band4	20	20175	1	#0	QPSK	22.8	0.35	23.15	30	PASS
Band4	20	20175	1	#Mid	QPSK	22.85	0.35	23.2	30	PASS
Band4	20	20175	1	#Max	QPSK	23.02	0.35	23.37	30	PASS

Band4	20	20175	50	#0	QPSK	21.83	0.35	22.18	30	PASS
Band4	20	20175	50	#Mid	QPSK	21.76	0.35	22.11	30	PASS
Band4	20	20175	50	#Max	QPSK	21.82	0.35	22.17	30	PASS
Band4	20	20175	100	#0	QPSK	21.77	0.35	22.12	30	PASS
Band4	20	20175	1	#0	QAM16	21.88	0.35	22.23	30	PASS
Band4	20	20175	1	#Mid	QAM16	21.93	0.35	22.28	30	PASS
Band4	20	20175	1	#Max	QAM16	22.16	0.35	22.51	30	PASS
Band4	20	20175	50	#0	QAM16	20.91	0.35	21.26	30	PASS
Band4	20	20175	50	#Mid	QAM16	20.97	0.35	21.32	30	PASS
Band4	20	20175	50	#Max	QAM16	20.98	0.35	21.33	30	PASS
Band4	20	20175	100	#0	QAM16	20.97	0.35	21.32	30	PASS
Band4	20	20300	1	#0	QPSK	22.84	0.35	23.19	30	PASS
Band4	20	20300	1	#Mid	QPSK	22.93	0.35	23.28	30	PASS
Band4	20	20300	1	#Max	QPSK	23	0.35	23.35	30	PASS
Band4	20	20300	50	#0	QPSK	21.88	0.35	22.23	30	PASS
Band4	20	20300	50	#Mid	QPSK	21.92	0.35	22.27	30	PASS
Band4	20	20300	50	#Max	QPSK	21.95	0.35	22.3	30	PASS
Band4	20	20300	100	#0	QPSK	21.98	0.35	22.33	30	PASS
Band4	20	20300	1	#0	QAM16	22.23	0.35	22.58	30	PASS
Band4	20	20300	1	#Mid	QAM16	22.22	0.35	22.57	30	PASS
Band4	20	20300	1	#Max	QAM16	22.34	0.35	22.69	30	PASS
Band4	20	20300	50	#0	QAM16	21.02	0.35	21.37	30	PASS
Band4	20	20300	50	#Mid	QAM16	21.04	0.35	21.39	30	PASS
Band4	20	20300	50	#Max	QAM16	21	0.35	21.35	30	PASS
Band4	20	20300	100	#0	QAM16	20.99	0.35	21.34	30	PASS
Band7	5	20775	1	#0	QPSK	22.08	0.33	22.41	33.01	PASS
Band7	5	20775	1	#Mid	QPSK	22.04	0.33	22.37	33.01	PASS
Band7	5	20775	1	#Max	QPSK	22.01	0.33	22.34	33.01	PASS
Band7	5	20775	12	#0	QPSK	21.18	0.33	21.51	33.01	PASS
Band7	5	20775	12	#Mid	QPSK	21.14	0.33	21.47	33.01	PASS
Band7	5	20775	12	#Max	QPSK	21.11	0.33	21.44	33.01	PASS
Band7	5	20775	25	#0	QPSK	21.15	0.33	21.48	33.01	PASS
Band7	5	20775	1	#0	QAM16	20.87	0.33	21.2	33.01	PASS
Band7	5	20775	1	#Mid	QAM16	20.83	0.33	21.16	33.01	PASS
Band7	5	20775	1	#Max	QAM16	20.84	0.33	21.17	33.01	PASS
Band7	5	20775	12	#0	QAM16	20.17	0.33	20.5	33.01	PASS
Band7	5	20775	12	#Mid	QAM16	20.13	0.33	20.46	33.01	PASS
Band7	5	20775	12	#Max	QAM16	20.07	0.33	20.4	33.01	PASS
Band7	5	20775	25	#0	QAM16	20.28	0.33	20.61	33.01	PASS
Band7	5	21100	1	#0	QPSK	21.87	0.33	22.2	33.01	PASS
Band7	5	21100	1	#Mid	QPSK	21.8	0.33	22.13	33.01	PASS
Band7	5	21100	1	#Max	QPSK	21.78	0.33	22.11	33.01	PASS
Band7	5	21100	12	#0	QPSK	21.06	0.33	21.39	33.01	PASS
Band7	5	21100	12	#Mid	QPSK	20.96	0.33	21.29	33.01	PASS
Band7	5	21100	12	#Max	QPSK	20.9	0.33	21.23	33.01	PASS
Band7	5	21100	25	#0	QPSK	21.08	0.33	21.41	33.01	PASS
Band7	5	21100	1	#0	QAM16	21.28	0.33	21.61	33.01	PASS
Band7	5	21100	1	#Mid	QAM16	21.26	0.33	21.59	33.01	PASS
Band7	5	21100	1	#Max	QAM16	21.21	0.33	21.54	33.01	PASS

Band7	5	21100	12	#0	QAM16	20.46	0.33	20.79	33.01	PASS
Band7	5	21100	12	#Mid	QAM16	20.03	0.33	20.36	33.01	PASS
Band7	5	21100	12	#Max	QAM16	20.06	0.33	20.39	33.01	PASS
Band7	5	21100	25	#0	QAM16	20.06	0.33	20.39	33.01	PASS
Band7	5	21425	1	#0	QPSK	22.06	0.33	22.39	33.01	PASS
Band7	5	21425	1	#Mid	QPSK	22.08	0.33	22.41	33.01	PASS
Band7	5	21425	1	#Max	QPSK	22.1	0.33	22.43	33.01	PASS
Band7	5	21425	12	#0	QPSK	21.08	0.33	21.41	33.01	PASS
Band7	5	21425	12	#Mid	QPSK	21.06	0.33	21.39	33.01	PASS
Band7	5	21425	12	#Max	QPSK	21.17	0.33	21.5	33.01	PASS
Band7	5	21425	25	#0	QPSK	21.02	0.33	21.35	33.01	PASS
Band7	5	21425	1	#0	QAM16	21.24	0.33	21.57	33.01	PASS
Band7	5	21425	1	#Mid	QAM16	21.16	0.33	21.49	33.01	PASS
Band7	5	21425	1	#Max	QAM16	21.22	0.33	21.55	33.01	PASS
Band7	5	21425	12	#0	QAM16	20.03	0.33	20.36	33.01	PASS
Band7	5	21425	12	#Mid	QAM16	20.02	0.33	20.35	33.01	PASS
Band7	5	21425	12	#Max	QAM16	20.01	0.33	20.34	33.01	PASS
Band7	5	21425	25	#0	QAM16	20.3	0.33	20.63	33.01	PASS
Band7	10	20800	1	#0	QPSK	22.08	0.33	22.41	33.01	PASS
Band7	10	20800	1	#Mid	QPSK	22.09	0.33	22.42	33.01	PASS
Band7	10	20800	1	#Max	QPSK	22.09	0.33	22.42	33.01	PASS
Band7	10	20800	25	#0	QPSK	21.14	0.33	21.47	33.01	PASS
Band7	10	20800	25	#Mid	QPSK	21.23	0.33	21.56	33.01	PASS
Band7	10	20800	25	#Max	QPSK	21.17	0.33	21.5	33.01	PASS
Band7	10	20800	50	#0	QPSK	21.16	0.33	21.49	33.01	PASS
Band7	10	20800	1	#0	QAM16	22.29	0.33	22.62	33.01	PASS
Band7	10	20800	1	#Mid	QAM16	22.24	0.33	22.57	33.01	PASS
Band7	10	20800	1	#Max	QAM16	22.31	0.33	22.64	33.01	PASS
Band7	10	20800	25	#0	QAM16	20.13	0.33	20.46	33.01	PASS
Band7	10	20800	25	#Mid	QAM16	20.05	0.33	20.38	33.01	PASS
Band7	10	20800	25	#Max	QAM16	20.16	0.33	20.49	33.01	PASS
Band7	10	20800	50	#0	QAM16	20.15	0.33	20.48	33.01	PASS
Band7	10	21100	1	#0	QPSK	22.05	0.33	22.38	33.01	PASS
Band7	10	21100	1	#Mid	QPSK	21.95	0.33	22.28	33.01	PASS
Band7	10	21100	1	#Max	QPSK	21.96	0.33	22.29	33.01	PASS
Band7	10	21100	25	#0	QPSK	21.1	0.33	21.43	33.01	PASS
Band7	10	21100	25	#Mid	QPSK	20.96	0.33	21.29	33.01	PASS
Band7	10	21100	25	#Max	QPSK	21.01	0.33	21.34	33.01	PASS
Band7	10	21100	50	#0	QPSK	21.04	0.33	21.37	33.01	PASS
Band7	10	21100	1	#0	QAM16	21.11	0.33	21.44	33.01	PASS
Band7	10	21100	1	#Mid	QAM16	21.06	0.33	21.39	33.01	PASS
Band7	10	21100	1	#Max	QAM16	21.01	0.33	21.34	33.01	PASS
Band7	10	21100	25	#0	QAM16	20.5	0.33	20.83	33.01	PASS
Band7	10	21100	25	#Mid	QAM16	20.02	0.33	20.35	33.01	PASS
Band7	10	21100	25	#Max	QAM16	20.07	0.33	20.4	33.01	PASS
Band7	10	21100	50	#0	QAM16	20.14	0.33	20.47	33.01	PASS
Band7	10	21400	1	#0	QPSK	22.27	0.33	22.6	33.01	PASS
Band7	10	21400	1	#Mid	QPSK	22.23	0.33	22.56	33.01	PASS
Band7	10	21400	1	#Max	QPSK	22.28	0.33	22.61	33.01	PASS

Band7	10	21400	25	#0	QPSK	21.11	0.33	21.44	33.01	PASS
Band7	10	21400	25	#Mid	QPSK	21.07	0.33	21.4	33.01	PASS
Band7	10	21400	25	#Max	QPSK	21.13	0.33	21.46	33.01	PASS
Band7	10	21400	50	#0	QPSK	21.08	0.33	21.41	33.01	PASS
Band7	10	21400	1	#0	QAM16	21.16	0.33	21.49	33.01	PASS
Band7	10	21400	1	#Mid	QAM16	21.19	0.33	21.52	33.01	PASS
Band7	10	21400	1	#Max	QAM16	21.18	0.33	21.51	33.01	PASS
Band7	10	21400	25	#0	QAM16	20.64	0.33	20.97	33.01	PASS
Band7	10	21400	25	#Mid	QAM16	20.2	0.33	20.53	33.01	PASS
Band7	10	21400	25	#Max	QAM16	20.2	0.33	20.53	33.01	PASS
Band7	10	21400	50	#0	QAM16	20.2	0.33	20.53	33.01	PASS
Band7	15	20825	1	#0	QPSK	22.03	0.33	22.36	33.01	PASS
Band7	15	20825	1	#Mid	QPSK	22.04	0.33	22.37	33.01	PASS
Band7	15	20825	1	#Max	QPSK	22.11	0.33	22.44	33.01	PASS
Band7	15	20825	36	#0	QPSK	21.2	0.33	21.53	33.01	PASS
Band7	15	20825	36	#Mid	QPSK	21.09	0.33	21.42	33.01	PASS
Band7	15	20825	36	#Max	QPSK	21.15	0.33	21.48	33.01	PASS
Band7	15	20825	75	#0	QPSK	21.22	0.33	21.55	33.01	PASS
Band7	15	20825	1	#0	QAM16	22.37	0.33	22.7	33.01	PASS
Band7	15	20825	1	#Mid	QAM16	22.31	0.33	22.64	33.01	PASS
Band7	15	20825	1	#Max	QAM16	22.39	0.33	22.72	33.01	PASS
Band7	15	20825	36	#0	QAM16	20.2	0.33	20.53	33.01	PASS
Band7	15	20825	36	#Mid	QAM16	20.19	0.33	20.52	33.01	PASS
Band7	15	20825	36	#Max	QAM16	20.27	0.33	20.6	33.01	PASS
Band7	15	20825	75	#0	QAM16	20.26	0.33	20.59	33.01	PASS
Band7	15	21100	1	#0	QPSK	22.08	0.33	22.41	33.01	PASS
Band7	15	21100	1	#Mid	QPSK	21.97	0.33	22.3	33.01	PASS
Band7	15	21100	1	#Max	QPSK	21.91	0.33	22.24	33.01	PASS
Band7	15	21100	36	#0	QPSK	21.03	0.33	21.36	33.01	PASS
Band7	15	21100	36	#Mid	QPSK	21.06	0.33	21.39	33.01	PASS
Band7	15	21100	36	#Max	QPSK	21.02	0.33	21.35	33.01	PASS
Band7	15	21100	75	#0	QPSK	21.05	0.33	21.38	33.01	PASS
Band7	15	21100	1	#0	QAM16	21.74	0.33	22.07	33.01	PASS
Band7	15	21100	1	#Mid	QAM16	21.67	0.33	22	33.01	PASS
Band7	15	21100	1	#Max	QAM16	21.55	0.33	21.88	33.01	PASS
Band7	15	21100	36	#0	QAM16	20.2	0.33	20.53	33.01	PASS
Band7	15	21100	36	#Mid	QAM16	20.21	0.33	20.54	33.01	PASS
Band7	15	21100	36	#Max	QAM16	20.19	0.33	20.52	33.01	PASS
Band7	15	21100	75	#0	QAM16	20.02	0.33	20.35	33.01	PASS
Band7	15	21375	1	#0	QPSK	22.23	0.33	22.56	33.01	PASS
Band7	15	21375	1	#Mid	QPSK	22.26	0.33	22.59	33.01	PASS
Band7	15	21375	1	#Max	QPSK	22.22	0.33	22.55	33.01	PASS
Band7	15	21375	36	#0	QPSK	21.04	0.33	21.37	33.01	PASS
Band7	15	21375	36	#Mid	QPSK	21.19	0.33	21.52	33.01	PASS
Band7	15	21375	36	#Max	QPSK	21.07	0.33	21.4	33.01	PASS
Band7	15	21375	75	#0	QPSK	21.11	0.33	21.44	33.01	PASS
Band7	15	21375	1	#0	QAM16	21.77	0.33	22.1	33.01	PASS
Band7	15	21375	1	#Mid	QAM16	21.86	0.33	22.19	33.01	PASS
Band7	15	21375	1	#Max	QAM16	21.89	0.33	22.22	33.01	PASS

Band7	15	21375	36	#0	QAM16	20.21	0.33	20.54	33.01	PASS
Band7	15	21375	36	#Mid	QAM16	20.6	0.33	20.93	33.01	PASS
Band7	15	21375	36	#Max	QAM16	20.2	0.33	20.53	33.01	PASS
Band7	15	21375	75	#0	QAM16	20.66	0.33	20.99	33.01	PASS
Band7	20	20850	1	#0	QPSK	22.02	0.33	22.35	33.01	PASS
Band7	20	20850	1	#Mid	QPSK	22.05	0.33	22.38	33.01	PASS
Band7	20	20850	1	#Max	QPSK	22.11	0.33	22.44	33.01	PASS
Band7	20	20850	50	#0	QPSK	21.08	0.33	21.41	33.01	PASS
Band7	20	20850	50	#Mid	QPSK	21.07	0.33	21.4	33.01	PASS
Band7	20	20850	50	#Max	QPSK	21.16	0.33	21.49	33.01	PASS
Band7	20	20850	100	#0	QPSK	21.21	0.33	21.54	33.01	PASS
Band7	20	20850	1	#0	QAM16	21.02	0.33	21.35	33.01	PASS
Band7	20	20850	1	#Mid	QAM16	20.95	0.33	21.28	33.01	PASS
Band7	20	20850	1	#Max	QAM16	21.11	0.33	21.44	33.01	PASS
Band7	20	20850	50	#0	QAM16	20.27	0.33	20.6	33.01	PASS
Band7	20	20850	50	#Mid	QAM16	20.29	0.33	20.62	33.01	PASS
Band7	20	20850	50	#Max	QAM16	20.39	0.33	20.72	33.01	PASS
Band7	20	20850	100	#0	QAM16	20.2	0.33	20.53	33.01	PASS
Band7	20	21100	1	#0	QPSK	22.22	0.33	22.55	33.01	PASS
Band7	20	21100	1	#Mid	QPSK	22.11	0.33	22.44	33.01	PASS
Band7	20	21100	1	#Max	QPSK	22.15	0.33	22.48	33.01	PASS
Band7	20	21100	50	#0	QPSK	21.15	0.33	21.48	33.01	PASS
Band7	20	21100	50	#Mid	QPSK	21.03	0.33	21.36	33.01	PASS
Band7	20	21100	50	#Max	QPSK	21.06	0.33	21.39	33.01	PASS
Band7	20	21100	100	#0	QPSK	21.12	0.33	21.45	33.01	PASS
Band7	20	21100	1	#0	QAM16	21.36	0.33	21.69	33.01	PASS
Band7	20	21100	1	#Mid	QAM16	21.36	0.33	21.69	33.01	PASS
Band7	20	21100	1	#Max	QAM16	21.15	0.33	21.48	33.01	PASS
Band7	20	21100	50	#0	QAM16	20.16	0.33	20.49	33.01	PASS
Band7	20	21100	50	#Mid	QAM16	20.11	0.33	20.44	33.01	PASS
Band7	20	21100	50	#Max	QAM16	20.02	0.33	20.35	33.01	PASS
Band7	20	21100	100	#0	QAM16	19.98	0.33	20.31	33.01	PASS
Band7	20	21350	1	#0	QPSK	22.21	0.33	22.54	33.01	PASS
Band7	20	21350	1	#Mid	QPSK	22.31	0.33	22.64	33.01	PASS
Band7	20	21350	1	#Max	QPSK	22.33	0.33	22.66	33.01	PASS
Band7	20	21350	50	#0	QPSK	21.12	0.33	21.45	33.01	PASS
Band7	20	21350	50	#Mid	QPSK	21.05	0.33	21.38	33.01	PASS
Band7	20	21350	50	#Max	QPSK	21.13	0.33	21.46	33.01	PASS
Band7	20	21350	100	#0	QPSK	20.97	0.33	21.3	33.01	PASS
Band7	20	21350	1	#0	QAM16	21	0.33	21.33	33.01	PASS
Band7	20	21350	1	#Mid	QAM16	21.08	0.33	21.41	33.01	PASS
Band7	20	21350	1	#Max	QAM16	21.04	0.33	21.37	33.01	PASS
Band7	20	21350	50	#0	QAM16	20.16	0.33	20.49	33.01	PASS
Band7	20	21350	50	#Mid	QAM16	20.22	0.33	20.55	33.01	PASS
Band7	20	21350	50	#Max	QAM16	20.19	0.33	20.52	33.01	PASS
Band7	20	21350	100	#0	QAM16	20.21	0.33	20.54	33.01	PASS
Band40(2305-2315)	5	38725	1	#0	QPSK	11.8	0.36	12.16	23.98	PASS
Band40(2305-2315)	5	38725	1	#Mid	QPSK	12.45	0.36	12.81	23.98	PASS
Band40(2305-2315)	5	38725	1	#Max	QPSK	11.84	0.36	12.2	23.98	PASS

Band40(2305-2315)	5	38725	12	#0	QPSK	11.12	0.36	11.48	23.98	PASS
Band40(2305-2315)	5	38725	12	#Mid	QPSK	11.29	0.36	11.65	23.98	PASS
Band40(2305-2315)	5	38725	12	#Max	QPSK	11.13	0.36	11.49	23.98	PASS
Band40(2305-2315)	5	38725	25	#0	QPSK	11.14	0.36	11.5	23.98	PASS
Band40(2305-2315)	5	38725	1	#0	QAM16	11.07	0.36	11.43	23.98	PASS
Band40(2305-2315)	5	38725	1	#Mid	QAM16	11.7	0.36	12.06	23.98	PASS
Band40(2305-2315)	5	38725	1	#Max	QAM16	11.12	0.36	11.48	23.98	PASS
Band40(2305-2315)	5	38725	12	#0	QAM16	10.06	0.36	10.42	23.98	PASS
Band40(2305-2315)	5	38725	12	#Mid	QAM16	10.26	0.36	10.62	23.98	PASS
Band40(2305-2315)	5	38725	12	#Max	QAM16	10.04	0.36	10.4	23.98	PASS
Band40(2305-2315)	5	38725	25	#0	QAM16	10.12	0.36	10.48	23.98	PASS
Band40(2305-2315)	5	38750	1	#0	QPSK	11.46	0.36	11.82	23.98	PASS
Band40(2305-2315)	5	38750	1	#Mid	QPSK	12.07	0.36	12.43	23.98	PASS
Band40(2305-2315)	5	38750	1	#Max	QPSK	11.55	0.36	11.91	23.98	PASS
Band40(2305-2315)	5	38750	12	#0	QPSK	10.73	0.36	11.09	23.98	PASS
Band40(2305-2315)	5	38750	12	#Mid	QPSK	10.92	0.36	11.28	23.98	PASS
Band40(2305-2315)	5	38750	12	#Max	QPSK	10.78	0.36	11.14	23.98	PASS
Band40(2305-2315)	5	38750	25	#0	QPSK	10.79	0.36	11.15	23.98	PASS
Band40(2305-2315)	5	38750	1	#0	QAM16	10.7	0.36	11.06	23.98	PASS
Band40(2305-2315)	5	38750	1	#Mid	QAM16	11.36	0.36	11.72	23.98	PASS
Band40(2305-2315)	5	38750	1	#Max	QAM16	10.75	0.36	11.11	23.98	PASS
Band40(2305-2315)	5	38750	12	#0	QAM16	9.73	0.36	10.09	23.98	PASS
Band40(2305-2315)	5	38750	12	#Mid	QAM16	9.86	0.36	10.22	23.98	PASS
Band40(2305-2315)	5	38750	12	#Max	QAM16	9.7	0.36	10.06	23.98	PASS
Band40(2305-2315)	5	38750	25	#0	QAM16	9.69	0.36	10.05	23.98	PASS
Band40(2305-2315)	5	38775	1	#0	QPSK	11.49	0.36	11.85	23.98	PASS
Band40(2305-2315)	5	38775	1	#Mid	QPSK	12.08	0.36	12.44	23.98	PASS
Band40(2305-2315)	5	38775	1	#Max	QPSK	11.52	0.36	11.88	23.98	PASS
Band40(2305-2315)	5	38775	12	#0	QPSK	10.77	0.36	11.13	23.98	PASS
Band40(2305-2315)	5	38775	12	#Mid	QPSK	10.92	0.36	11.28	23.98	PASS
Band40(2305-2315)	5	38775	12	#Max	QPSK	10.75	0.36	11.11	23.98	PASS
Band40(2305-2315)	5	38775	25	#0	QPSK	10.79	0.36	11.15	23.98	PASS
Band40(2305-2315)	5	38775	1	#0	QAM16	11.07	0.36	11.43	23.98	PASS
Band40(2305-2315)	5	38775	1	#Mid	QAM16	11.67	0.36	12.03	23.98	PASS
Band40(2305-2315)	5	38775	1	#Max	QAM16	11.05	0.36	11.41	23.98	PASS
Band40(2305-2315)	5	38775	12	#0	QAM16	9.75	0.36	10.11	23.98	PASS
Band40(2305-2315)	5	38775	12	#Mid	QAM16	9.89	0.36	10.25	23.98	PASS
Band40(2305-2315)	5	38775	12	#Max	QAM16	9.76	0.36	10.12	23.98	PASS
Band40(2305-2315)	5	38775	25	#0	QAM16	9.71	0.36	10.07	23.98	PASS
Band40(2305-2315)	10	38750	1	#0	QPSK	11.62	0.36	11.98	23.98	PASS
Band40(2305-2315)	10	38750	1	#Mid	QPSK	11.96	0.36	12.32	23.98	PASS
Band40(2305-2315)	10	38750	1	#Max	QPSK	12.16	0.36	12.52	23.98	PASS
Band40(2305-2315)	10	38750	25	#0	QPSK	10.78	0.36	11.14	23.98	PASS
Band40(2305-2315)	10	38750	25	#Mid	QPSK	10.95	0.36	11.31	23.98	PASS
Band40(2305-2315)	10	38750	25	#Max	QPSK	11.06	0.36	11.42	23.98	PASS
Band40(2305-2315)	10	38750	50	#0	QPSK	10.92	0.36	11.28	23.98	PASS
Band40(2305-2315)	10	38750	1	#0	QAM16	10.86	0.36	11.22	23.98	PASS
Band40(2305-2315)	10	38750	1	#Mid	QAM16	11.45	0.36	11.81	23.98	PASS
Band40(2305-2315)	10	38750	1	#Max	QAM16	11.46	0.36	11.82	23.98	PASS

Band40(2305-2315)	10	38750	25	#0	QAM16	9.75	0.36	10.11	23.98	PASS
Band40(2305-2315)	10	38750	25	#Mid	QAM16	9.89	0.36	10.25	23.98	PASS
Band40(2305-2315)	10	38750	25	#Max	QAM16	10.06	0.36	10.42	23.98	PASS
Band40(2305-2315)	10	38750	50	#0	QAM16	9.86	0.36	10.22	23.98	PASS
Band40(2350-2360)	5	39175	1	#0	QPSK	11.67	0.36	12.03	23.98	PASS
Band40(2350-2360)	5	39175	1	#Mid	QPSK	12.35	0.36	12.71	23.98	PASS
Band40(2350-2360)	5	39175	1	#Max	QPSK	11.83	0.36	12.19	23.98	PASS
Band40(2350-2360)	5	39175	12	#0	QPSK	10.92	0.36	11.28	23.98	PASS
Band40(2350-2360)	5	39175	12	#Mid	QPSK	11.11	0.36	11.47	23.98	PASS
Band40(2350-2360)	5	39175	12	#Max	QPSK	10.98	0.36	11.34	23.98	PASS
Band40(2350-2360)	5	39175	25	#0	QPSK	10.95	0.36	11.31	23.98	PASS
Band40(2350-2360)	5	39175	1	#0	QAM16	10.86	0.36	11.22	23.98	PASS
Band40(2350-2360)	5	39175	1	#Mid	QAM16	11.51	0.36	11.87	23.98	PASS
Band40(2350-2360)	5	39175	1	#Max	QAM16	11.04	0.36	11.4	23.98	PASS
Band40(2350-2360)	5	39175	12	#0	QAM16	9.65	0.36	10.01	23.98	PASS
Band40(2350-2360)	5	39175	12	#Mid	QAM16	9.86	0.36	10.22	23.98	PASS
Band40(2350-2360)	5	39175	12	#Max	QAM16	9.76	0.36	10.12	23.98	PASS
Band40(2350-2360)	5	39175	25	#0	QAM16	9.77	0.36	10.13	23.98	PASS
Band40(2350-2360)	5	39200	1	#0	QPSK	11.49	0.36	11.85	23.98	PASS
Band40(2350-2360)	5	39200	1	#Mid	QPSK	12.14	0.36	12.5	23.98	PASS
Band40(2350-2360)	5	39200	1	#Max	QPSK	11.64	0.36	12	23.98	PASS
Band40(2350-2360)	5	39200	12	#0	QPSK	10.79	0.36	11.15	23.98	PASS
Band40(2350-2360)	5	39200	12	#Mid	QPSK	11.01	0.36	11.37	23.98	PASS
Band40(2350-2360)	5	39200	12	#Max	QPSK	10.88	0.36	11.24	23.98	PASS
Band40(2350-2360)	5	39200	25	#0	QPSK	10.84	0.36	11.2	23.98	PASS
Band40(2350-2360)	5	39200	1	#0	QAM16	10.78	0.36	11.14	23.98	PASS
Band40(2350-2360)	5	39200	1	#Mid	QAM16	11.46	0.36	11.82	23.98	PASS
Band40(2350-2360)	5	39200	1	#Max	QAM16	10.93	0.36	11.29	23.98	PASS
Band40(2350-2360)	5	39200	12	#0	QAM16	9.62	0.36	9.98	23.98	PASS
Band40(2350-2360)	5	39200	12	#Mid	QAM16	9.83	0.36	10.19	23.98	PASS
Band40(2350-2360)	5	39200	12	#Max	QAM16	9.69	0.36	10.05	23.98	PASS
Band40(2350-2360)	5	39200	25	#0	QAM16	9.63	0.36	9.99	23.98	PASS
Band40(2350-2360)	5	39225	1	#0	QPSK	11.63	0.36	11.99	23.98	PASS
Band40(2350-2360)	5	39225	1	#Mid	QPSK	12.23	0.36	12.59	23.98	PASS
Band40(2350-2360)	5	39225	1	#Max	QPSK	11.67	0.36	12.03	23.98	PASS
Band40(2350-2360)	5	39225	12	#0	QPSK	10.89	0.36	11.25	23.98	PASS
Band40(2350-2360)	5	39225	12	#Mid	QPSK	11.07	0.36	11.43	23.98	PASS
Band40(2350-2360)	5	39225	12	#Max	QPSK	10.9	0.36	11.26	23.98	PASS
Band40(2350-2360)	5	39225	25	#0	QPSK	10.9	0.36	11.26	23.98	PASS
Band40(2350-2360)	5	39225	1	#0	QAM16	11.21	0.36	11.57	23.98	PASS
Band40(2350-2360)	5	39225	1	#Mid	QAM16	11.84	0.36	12.2	23.98	PASS
Band40(2350-2360)	5	39225	1	#Max	QAM16	11.24	0.36	11.6	23.98	PASS
Band40(2350-2360)	5	39225	12	#0	QAM16	9.7	0.36	10.06	23.98	PASS
Band40(2350-2360)	5	39225	12	#Mid	QAM16	9.88	0.36	10.24	23.98	PASS
Band40(2350-2360)	5	39225	12	#Max	QAM16	9.73	0.36	10.09	23.98	PASS
Band40(2350-2360)	5	39225	25	#0	QAM16	9.7	0.36	10.06	23.98	PASS
Band40(2350-2360)	10	39200	1	#0	QPSK	11.53	0.36	11.89	23.98	PASS
Band40(2350-2360)	10	39200	1	#Mid	QPSK	12.1	0.36	12.46	23.98	PASS
Band40(2350-2360)	10	39200	1	#Max	QPSK	12.3	0.36	12.66	23.98	PASS

Band40(2350-2360)	10	39200	25	#0	QPSK	10.79	0.36	11.15	23.98	PASS
Band40(2350-2360)	10	39200	25	#Mid	QPSK	11.01	0.36	11.37	23.98	PASS
Band40(2350-2360)	10	39200	25	#Max	QPSK	11.19	0.36	11.55	23.98	PASS
Band40(2350-2360)	10	39200	50	#0	QPSK	10.98	0.36	11.34	23.98	PASS
Band40(2350-2360)	10	39200	1	#0	QAM16	10.87	0.36	11.23	23.98	PASS
Band40(2350-2360)	10	39200	1	#Mid	QAM16	11.54	0.36	11.9	23.98	PASS
Band40(2350-2360)	10	39200	1	#Max	QAM16	11.64	0.36	12	23.98	PASS
Band40(2350-2360)	10	39200	25	#0	QAM16	9.59	0.36	9.95	23.98	PASS
Band40(2350-2360)	10	39200	25	#Mid	QAM16	9.83	0.36	10.19	23.98	PASS
Band40(2350-2360)	10	39200	25	#Max	QAM16	9.99	0.36	10.35	23.98	PASS
Band40(2350-2360)	10	39200	50	#0	QAM16	9.79	0.36	10.15	23.98	PASS
Band41(2535-2655)	5	40065	1	#0	QPSK	21.98	0.37	22.35	33.01	PASS
Band41(2535-2655)	5	40065	1	#Mid	QPSK	22	0.37	22.37	33.01	PASS
Band41(2535-2655)	5	40065	1	#Max	QPSK	22.02	0.37	22.39	33.01	PASS
Band41(2535-2655)	5	40065	12	#0	QPSK	20.88	0.37	21.25	33.01	PASS
Band41(2535-2655)	5	40065	12	#Mid	QPSK	20.92	0.37	21.29	33.01	PASS
Band41(2535-2655)	5	40065	12	#Max	QPSK	20.99	0.37	21.36	33.01	PASS
Band41(2535-2655)	5	40065	25	#0	QPSK	20.93	0.37	21.3	33.01	PASS
Band41(2535-2655)	5	40065	1	#0	QAM16	20.69	0.37	21.06	33.01	PASS
Band41(2535-2655)	5	40065	1	#Mid	QAM16	20.56	0.37	20.93	33.01	PASS
Band41(2535-2655)	5	40065	1	#Max	QAM16	20.66	0.37	21.03	33.01	PASS
Band41(2535-2655)	5	40065	12	#0	QAM16	20.01	0.37	20.38	33.01	PASS
Band41(2535-2655)	5	40065	12	#Mid	QAM16	19.94	0.37	20.31	33.01	PASS
Band41(2535-2655)	5	40065	12	#Max	QAM16	19.93	0.37	20.3	33.01	PASS
Band41(2535-2655)	5	40065	25	#0	QAM16	20.15	0.37	20.52	33.01	PASS
Band41(2535-2655)	5	40640	1	#0	QPSK	22.22	0.37	22.59	33.01	PASS
Band41(2535-2655)	5	40640	1	#Mid	QPSK	22.27	0.37	22.64	33.01	PASS
Band41(2535-2655)	5	40640	1	#Max	QPSK	22.35	0.37	22.72	33.01	PASS
Band41(2535-2655)	5	40640	12	#0	QPSK	21.32	0.37	21.69	33.01	PASS
Band41(2535-2655)	5	40640	12	#Mid	QPSK	21.28	0.37	21.65	33.01	PASS
Band41(2535-2655)	5	40640	12	#Max	QPSK	21.27	0.37	21.64	33.01	PASS
Band41(2535-2655)	5	40640	25	#0	QPSK	21.31	0.37	21.68	33.01	PASS
Band41(2535-2655)	5	40640	1	#0	QAM16	20.94	0.37	21.31	33.01	PASS
Band41(2535-2655)	5	40640	1	#Mid	QAM16	20.9	0.37	21.27	33.01	PASS
Band41(2535-2655)	5	40640	1	#Max	QAM16	21.05	0.37	21.42	33.01	PASS
Band41(2535-2655)	5	40640	12	#0	QAM16	20.17	0.37	20.54	33.01	PASS
Band41(2535-2655)	5	40640	12	#Mid	QAM16	20.17	0.37	20.54	33.01	PASS
Band41(2535-2655)	5	40640	12	#Max	QAM16	20.34	0.37	20.71	33.01	PASS
Band41(2535-2655)	5	40640	25	#0	QAM16	20.45	0.37	20.82	33.01	PASS
Band41(2535-2655)	5	41215	1	#0	QPSK	22.54	0.37	22.91	33.01	PASS
Band41(2535-2655)	5	41215	1	#Mid	QPSK	22.52	0.37	22.89	33.01	PASS
Band41(2535-2655)	5	41215	1	#Max	QPSK	22.56	0.37	22.93	33.01	PASS
Band41(2535-2655)	5	41215	12	#0	QPSK	21.59	0.37	21.96	33.01	PASS
Band41(2535-2655)	5	41215	12	#Mid	QPSK	21.55	0.37	21.92	33.01	PASS
Band41(2535-2655)	5	41215	12	#Max	QPSK	21.6	0.37	21.97	33.01	PASS
Band41(2535-2655)	5	41215	25	#0	QPSK	21.65	0.37	22.02	33.01	PASS
Band41(2535-2655)	5	41215	1	#0	QAM16	21.86	0.37	22.23	33.01	PASS
Band41(2535-2655)	5	41215	1	#Mid	QAM16	21.82	0.37	22.19	33.01	PASS
Band41(2535-2655)	5	41215	1	#Max	QAM16	21.85	0.37	22.22	33.01	PASS

Band41(2535-2655)	5	41215	12	#0	QAM16	20.69	0.37	21.06	33.01	PASS
Band41(2535-2655)	5	41215	12	#Mid	QAM16	20.57	0.37	20.94	33.01	PASS
Band41(2535-2655)	5	41215	12	#Max	QAM16	20.73	0.37	21.1	33.01	PASS
Band41(2535-2655)	5	41215	25	#0	QAM16	20.95	0.37	21.32	33.01	PASS
Band41(2535-2655)	10	40090	1	#0	QPSK	22.09	0.37	22.46	33.01	PASS
Band41(2535-2655)	10	40090	1	#Mid	QPSK	22.05	0.37	22.42	33.01	PASS
Band41(2535-2655)	10	40090	1	#Max	QPSK	22.06	0.37	22.43	33.01	PASS
Band41(2535-2655)	10	40090	25	#0	QPSK	20.95	0.37	21.32	33.01	PASS
Band41(2535-2655)	10	40090	25	#Mid	QPSK	20.98	0.37	21.35	33.01	PASS
Band41(2535-2655)	10	40090	25	#Max	QPSK	20.96	0.37	21.33	33.01	PASS
Band41(2535-2655)	10	40090	50	#0	QPSK	20.99	0.37	21.36	33.01	PASS
Band41(2535-2655)	10	40090	1	#0	QAM16	21.36	0.37	21.73	33.01	PASS
Band41(2535-2655)	10	40090	1	#Mid	QAM16	21.39	0.37	21.76	33.01	PASS
Band41(2535-2655)	10	40090	1	#Max	QAM16	21.27	0.37	21.64	33.01	PASS
Band41(2535-2655)	10	40090	25	#0	QAM16	19.99	0.37	20.36	33.01	PASS
Band41(2535-2655)	10	40090	25	#Mid	QAM16	19.99	0.37	20.36	33.01	PASS
Band41(2535-2655)	10	40090	25	#Max	QAM16	20.1	0.37	20.47	33.01	PASS
Band41(2535-2655)	10	40090	50	#0	QAM16	20.12	0.37	20.49	33.01	PASS
Band41(2535-2655)	10	40640	1	#0	QPSK	22.29	0.37	22.66	33.01	PASS
Band41(2535-2655)	10	40640	1	#Mid	QPSK	22.47	0.37	22.84	33.01	PASS
Band41(2535-2655)	10	40640	1	#Max	QPSK	22.48	0.37	22.85	33.01	PASS
Band41(2535-2655)	10	40640	25	#0	QPSK	21.23	0.37	21.6	33.01	PASS
Band41(2535-2655)	10	40640	25	#Mid	QPSK	21.27	0.37	21.64	33.01	PASS
Band41(2535-2655)	10	40640	25	#Max	QPSK	21.4	0.37	21.77	33.01	PASS
Band41(2535-2655)	10	40640	50	#0	QPSK	21.32	0.37	21.69	33.01	PASS
Band41(2535-2655)	10	40640	1	#0	QAM16	20.48	0.37	20.85	33.01	PASS
Band41(2535-2655)	10	40640	1	#Mid	QAM16	20.68	0.37	21.05	33.01	PASS
Band41(2535-2655)	10	40640	1	#Max	QAM16	20.55	0.37	20.92	33.01	PASS
Band41(2535-2655)	10	40640	25	#0	QAM16	20.25	0.37	20.62	33.01	PASS
Band41(2535-2655)	10	40640	25	#Mid	QAM16	20.31	0.37	20.68	33.01	PASS
Band41(2535-2655)	10	40640	25	#Max	QAM16	20.42	0.37	20.79	33.01	PASS
Band41(2535-2655)	10	40640	50	#0	QAM16	20.35	0.37	20.72	33.01	PASS
Band41(2535-2655)	10	41190	1	#0	QPSK	22.58	0.37	22.95	33.01	PASS
Band41(2535-2655)	10	41190	1	#Mid	QPSK	22.66	0.37	23.03	33.01	PASS
Band41(2535-2655)	10	41190	1	#Max	QPSK	22.67	0.37	23.04	33.01	PASS
Band41(2535-2655)	10	41190	25	#0	QPSK	21.59	0.37	21.96	33.01	PASS
Band41(2535-2655)	10	41190	25	#Mid	QPSK	21.62	0.37	21.99	33.01	PASS
Band41(2535-2655)	10	41190	25	#Max	QPSK	21.73	0.37	22.1	33.01	PASS
Band41(2535-2655)	10	41190	50	#0	QPSK	21.65	0.37	22.02	33.01	PASS
Band41(2535-2655)	10	41190	1	#0	QAM16	21.8	0.37	22.17	33.01	PASS
Band41(2535-2655)	10	41190	1	#Mid	QAM16	22.25	0.37	22.62	33.01	PASS
Band41(2535-2655)	10	41190	1	#Max	QAM16	22.17	0.37	22.54	33.01	PASS
Band41(2535-2655)	10	41190	25	#0	QAM16	20.7	0.37	21.07	33.01	PASS
Band41(2535-2655)	10	41190	25	#Mid	QAM16	20.73	0.37	21.1	33.01	PASS
Band41(2535-2655)	10	41190	25	#Max	QAM16	20.68	0.37	21.05	33.01	PASS
Band41(2535-2655)	10	41190	50	#0	QAM16	20.75	0.37	21.12	33.01	PASS
Band41(2535-2655)	15	40115	1	#0	QPSK	22.06	0.37	22.43	33.01	PASS
Band41(2535-2655)	15	40115	1	#Mid	QPSK	22.1	0.37	22.47	33.01	PASS
Band41(2535-2655)	15	40115	1	#Max	QPSK	22.06	0.37	22.43	33.01	PASS

Band41(2535-2655)	15	40115	36	#0	QPSK	21.07	0.37	21.44	33.01	PASS
Band41(2535-2655)	15	40115	36	#Mid	QPSK	21	0.37	21.37	33.01	PASS
Band41(2535-2655)	15	40115	36	#Max	QPSK	20.91	0.37	21.28	33.01	PASS
Band41(2535-2655)	15	40115	75	#0	QPSK	21.04	0.37	21.41	33.01	PASS
Band41(2535-2655)	15	40115	1	#0	QAM16	21.43	0.37	21.8	33.01	PASS
Band41(2535-2655)	15	40115	1	#Mid	QAM16	21.39	0.37	21.76	33.01	PASS
Band41(2535-2655)	15	40115	1	#Max	QAM16	21.38	0.37	21.75	33.01	PASS
Band41(2535-2655)	15	40115	36	#0	QAM16	20.07	0.37	20.44	33.01	PASS
Band41(2535-2655)	15	40115	36	#Mid	QAM16	20.01	0.37	20.38	33.01	PASS
Band41(2535-2655)	15	40115	36	#Max	QAM16	20.06	0.37	20.43	33.01	PASS
Band41(2535-2655)	15	40115	75	#0	QAM16	19.98	0.37	20.35	33.01	PASS
Band41(2535-2655)	15	40640	1	#0	QPSK	22.2	0.37	22.57	33.01	PASS
Band41(2535-2655)	15	40640	1	#Mid	QPSK	22.37	0.37	22.74	33.01	PASS
Band41(2535-2655)	15	40640	1	#Max	QPSK	22.55	0.37	22.92	33.01	PASS
Band41(2535-2655)	15	40640	36	#0	QPSK	21.19	0.37	21.56	33.01	PASS
Band41(2535-2655)	15	40640	36	#Mid	QPSK	21.33	0.37	21.7	33.01	PASS
Band41(2535-2655)	15	40640	36	#Max	QPSK	21.36	0.37	21.73	33.01	PASS
Band41(2535-2655)	15	40640	75	#0	QPSK	21.24	0.37	21.61	33.01	PASS
Band41(2535-2655)	15	40640	1	#0	QAM16	20.46	0.37	20.83	33.01	PASS
Band41(2535-2655)	15	40640	1	#Mid	QAM16	20.6	0.37	20.97	33.01	PASS
Band41(2535-2655)	15	40640	1	#Max	QAM16	20.7	0.37	21.07	33.01	PASS
Band41(2535-2655)	15	40640	36	#0	QAM16	20.4	0.37	20.77	33.01	PASS
Band41(2535-2655)	15	40640	36	#Mid	QAM16	20.57	0.37	20.94	33.01	PASS
Band41(2535-2655)	15	40640	36	#Max	QAM16	20.74	0.37	21.11	33.01	PASS
Band41(2535-2655)	15	40640	75	#0	QAM16	20.54	0.37	20.91	33.01	PASS
Band41(2535-2655)	15	41165	1	#0	QPSK	22.45	0.37	22.82	33.01	PASS
Band41(2535-2655)	15	41165	1	#Mid	QPSK	22.54	0.37	22.91	33.01	PASS
Band41(2535-2655)	15	41165	1	#Max	QPSK	22.55	0.37	22.92	33.01	PASS
Band41(2535-2655)	15	41165	36	#0	QPSK	21.63	0.37	22	33.01	PASS
Band41(2535-2655)	15	41165	36	#Mid	QPSK	21.63	0.37	22	33.01	PASS
Band41(2535-2655)	15	41165	36	#Max	QPSK	21.62	0.37	21.99	33.01	PASS
Band41(2535-2655)	15	41165	75	#0	QPSK	21.72	0.37	22.09	33.01	PASS
Band41(2535-2655)	15	41165	1	#0	QAM16	21.98	0.37	22.35	33.01	PASS
Band41(2535-2655)	15	41165	1	#Mid	QAM16	21.74	0.37	22.11	33.01	PASS
Band41(2535-2655)	15	41165	1	#Max	QAM16	21.82	0.37	22.19	33.01	PASS
Band41(2535-2655)	15	41165	36	#0	QAM16	20.57	0.37	20.94	33.01	PASS
Band41(2535-2655)	15	41165	36	#Mid	QAM16	20.56	0.37	20.93	33.01	PASS
Band41(2535-2655)	15	41165	36	#Max	QAM16	20.63	0.37	21	33.01	PASS
Band41(2535-2655)	15	41165	75	#0	QAM16	20.87	0.37	21.24	33.01	PASS
Band41(2535-2655)	20	40140	1	#0	QPSK	21.91	0.37	22.28	33.01	PASS
Band41(2535-2655)	20	40140	1	#Mid	QPSK	21.94	0.37	22.31	33.01	PASS
Band41(2535-2655)	20	40140	1	#Max	QPSK	21.88	0.37	22.25	33.01	PASS
Band41(2535-2655)	20	40140	50	#0	QPSK	20.92	0.37	21.29	33.01	PASS
Band41(2535-2655)	20	40140	50	#Mid	QPSK	20.89	0.37	21.26	33.01	PASS
Band41(2535-2655)	20	40140	50	#Max	QPSK	21.06	0.37	21.43	33.01	PASS
Band41(2535-2655)	20	40140	100	#0	QPSK	20.91	0.37	21.28	33.01	PASS
Band41(2535-2655)	20	40140	1	#0	QAM16	20.62	0.37	20.99	33.01	PASS
Band41(2535-2655)	20	40140	1	#Mid	QAM16	20.53	0.37	20.9	33.01	PASS
Band41(2535-2655)	20	40140	1	#Max	QAM16	20.59	0.37	20.96	33.01	PASS