

VARA FM 3.1.1 Peer to Peer Tests 9/6/20

- IC-208H Receiving end BLACK transformer Signalink..
- IC-208H Transmitting [autotune] end RED transformer
- Checking autotune deviations against actual readings after autotune

Khaz deviation manual set	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6
3.0 khz	1.6	1.6	1.8	1.4	1.6	1.1
2.8 khz	1.3	1.6	1.6	1.6	1.3	1.3
2.6 khz	1.4	1.4	1.5	1.8	1.4	1.4
2.4 khz	1.6	1.4	1.6	1.4	1.6	1.6
2.2 khz	1.8	1.4	1.8	1.2	1.8	1.5
2.0 khz	1.1	1.4	1.0	1.6	1.1	1.6
1.8 khz	1.6	1.2	1.5	1.2	1.6	1.8
1.6 khz * preset -6db	1.6	1.3	2.0	1.4	1.2	1.4
1.4 khz * preset -6db	1.4	1.4	1.4	1.8	1.8	1.8

Results of autotune levels to all the deviations manually set

- 1.0 khz = 1x
- 1.1 khz = 3x
- 1.2 khz = 4x
- 1.3 khz = 4x
- 1.4 khz = 13x
- 1.5 khz = 3x
- 1.6 khz = 15x
- 1.8 khz = 8x

- TEST CONDITIONS
- Before each test VARA FM set for 0db slider bar except for 1.4/1.6khz slider was set -6db to allow software to increase level
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- VARA sound card "Tune" used to manually key transmitter for reference deviation
- After each auto-tune a reading was taken, if slider was moved lower it was reset
- Receiving radio was set at 1.6khz for half the tests and 2.4khz for repeated test to check if there were any interaction of receiving station deviations affecting response to transmitting station