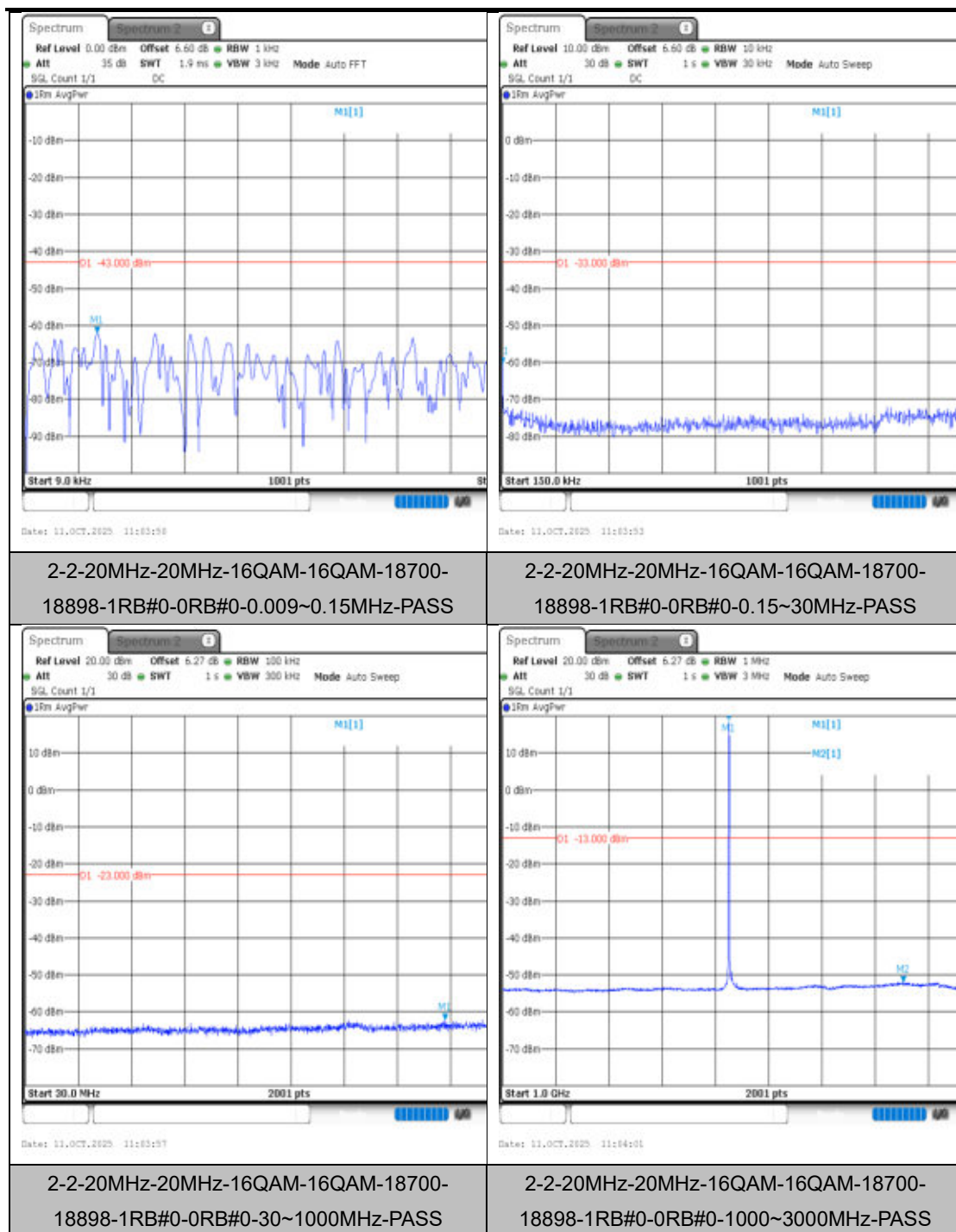
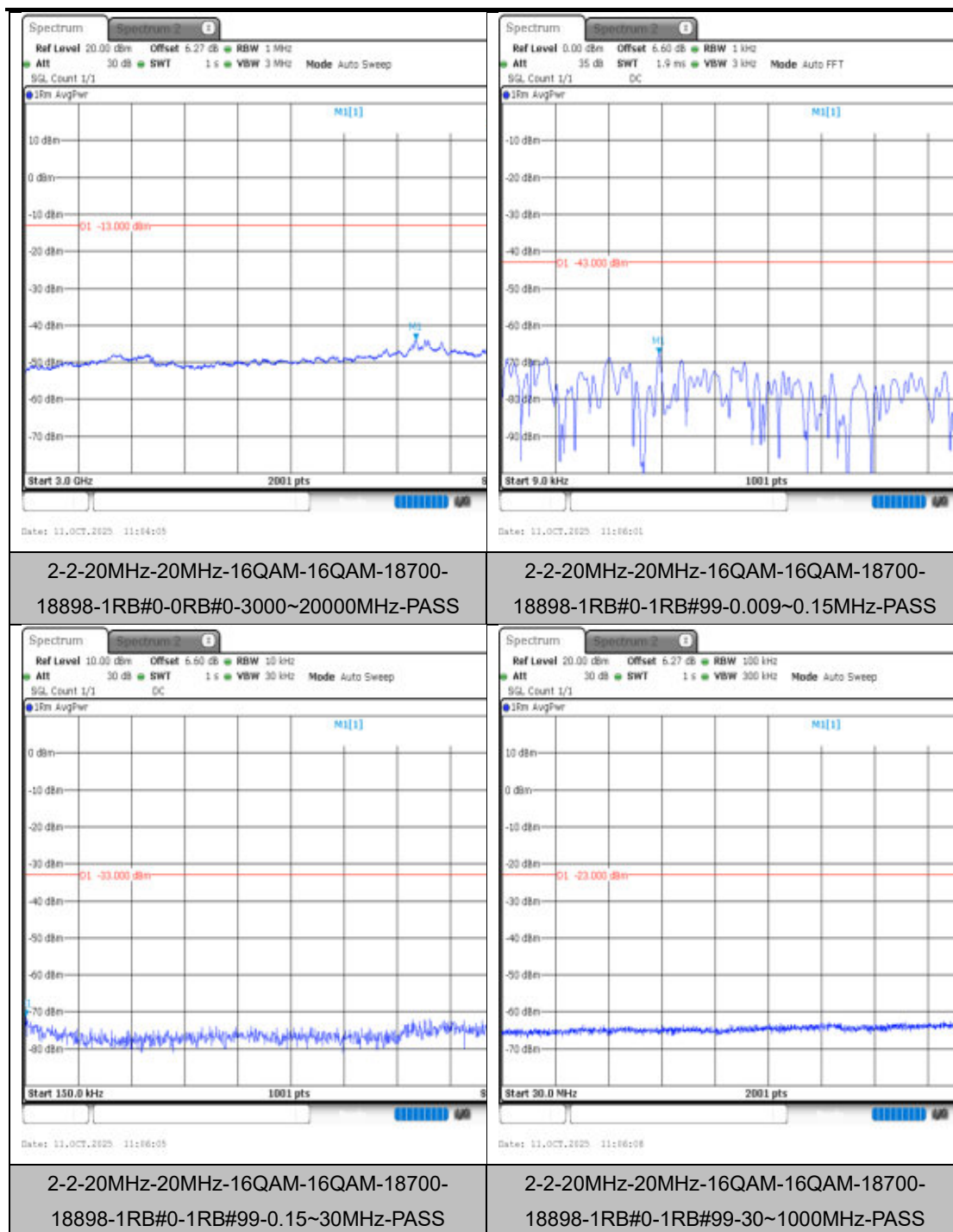
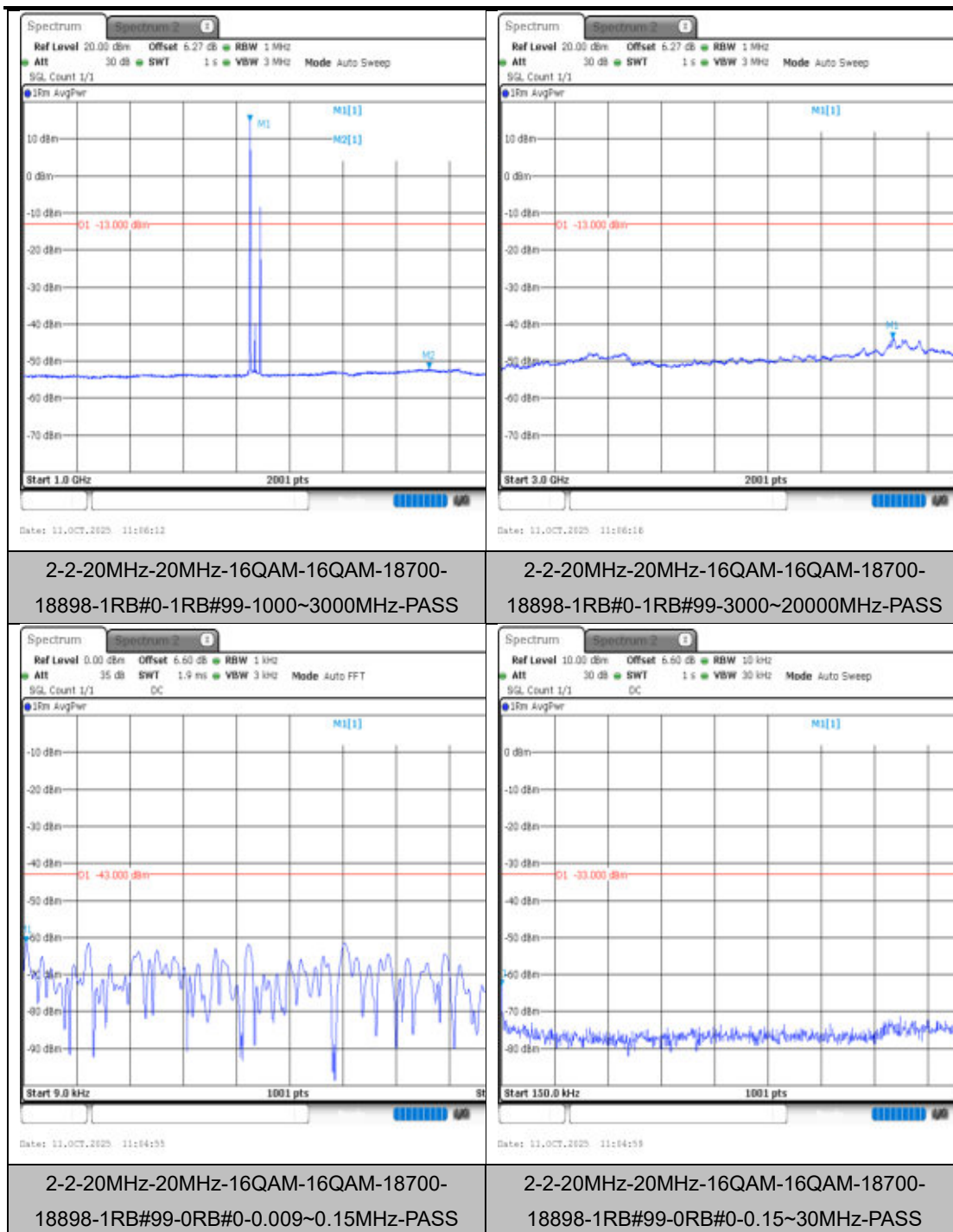
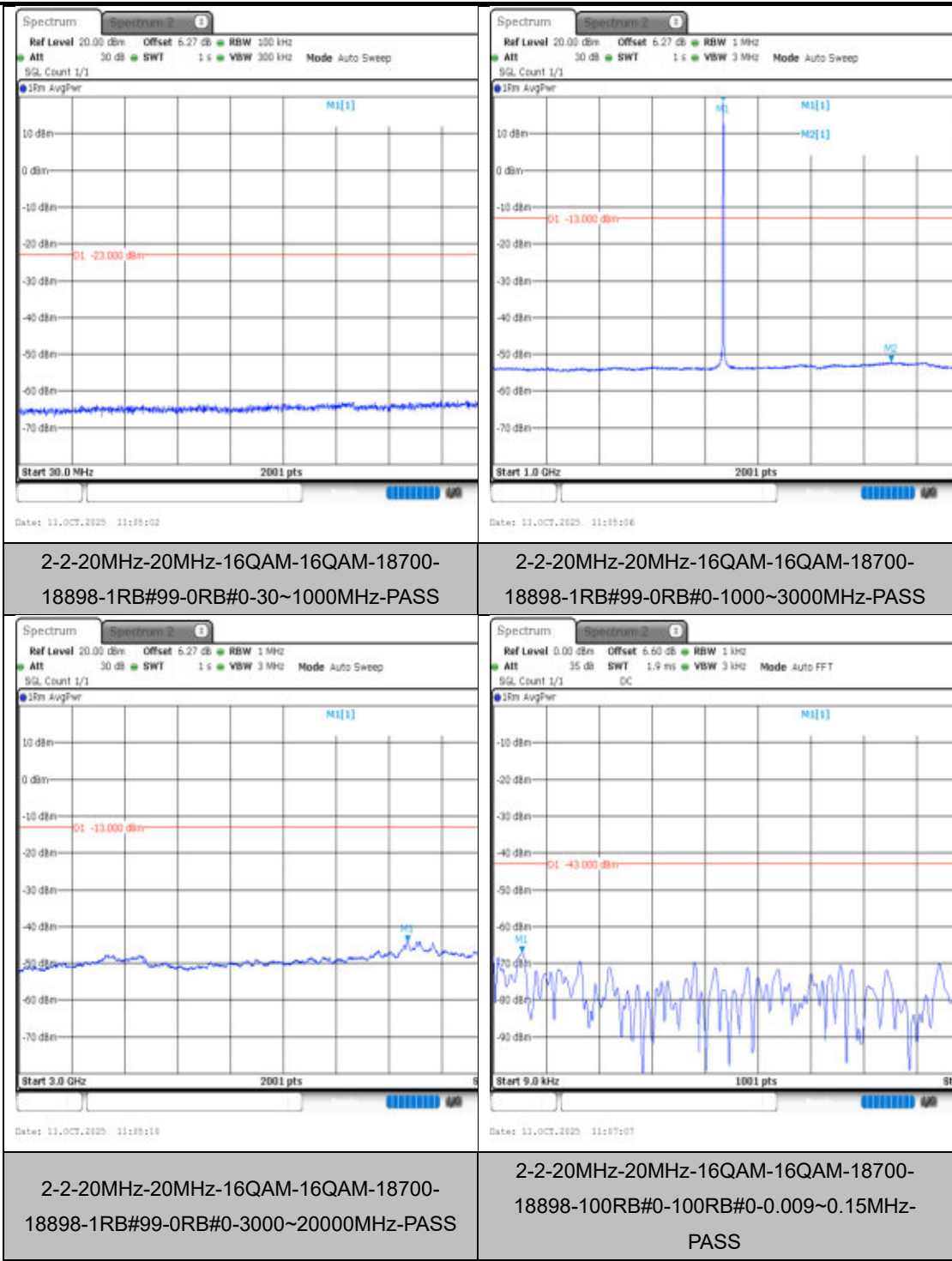
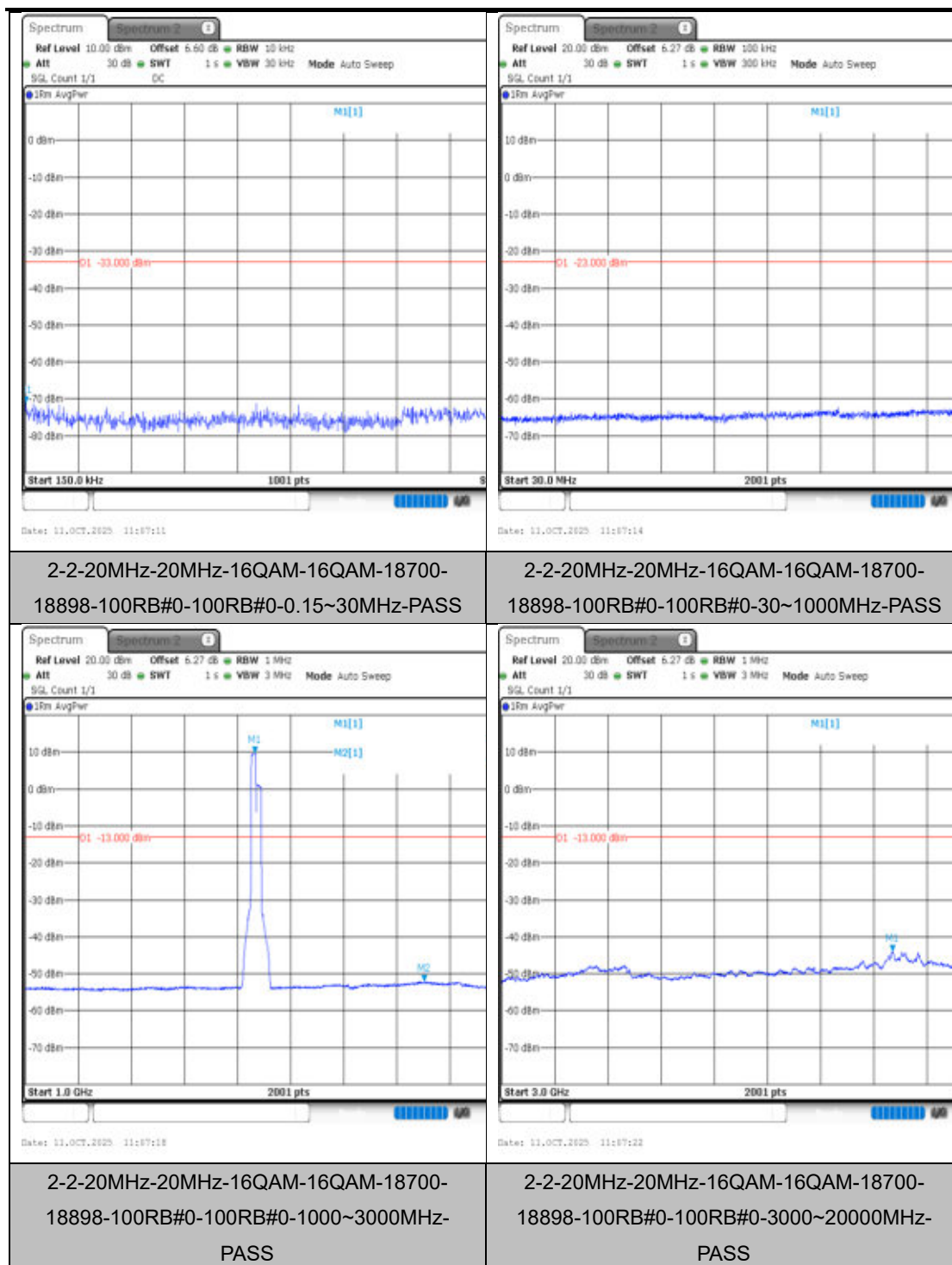


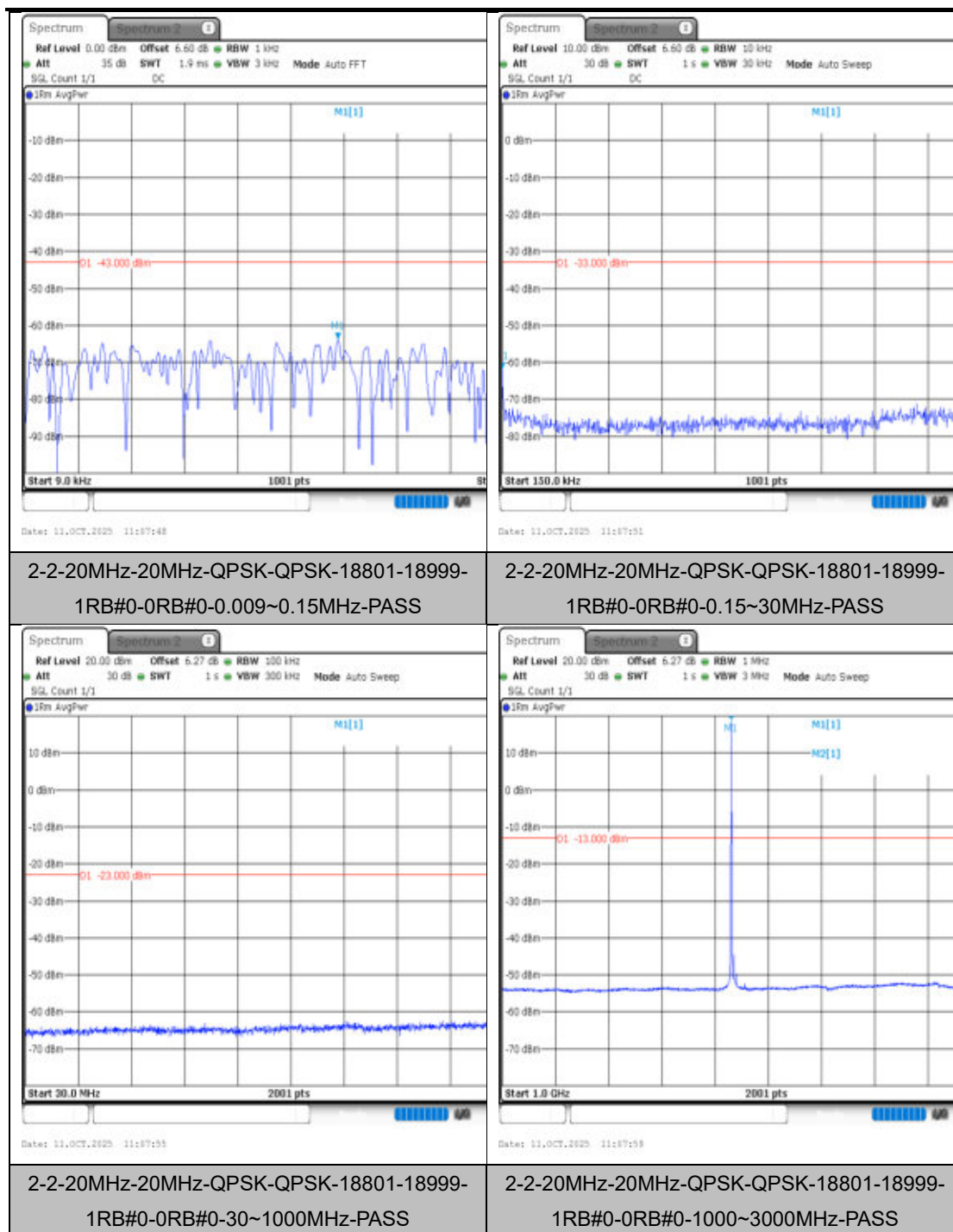


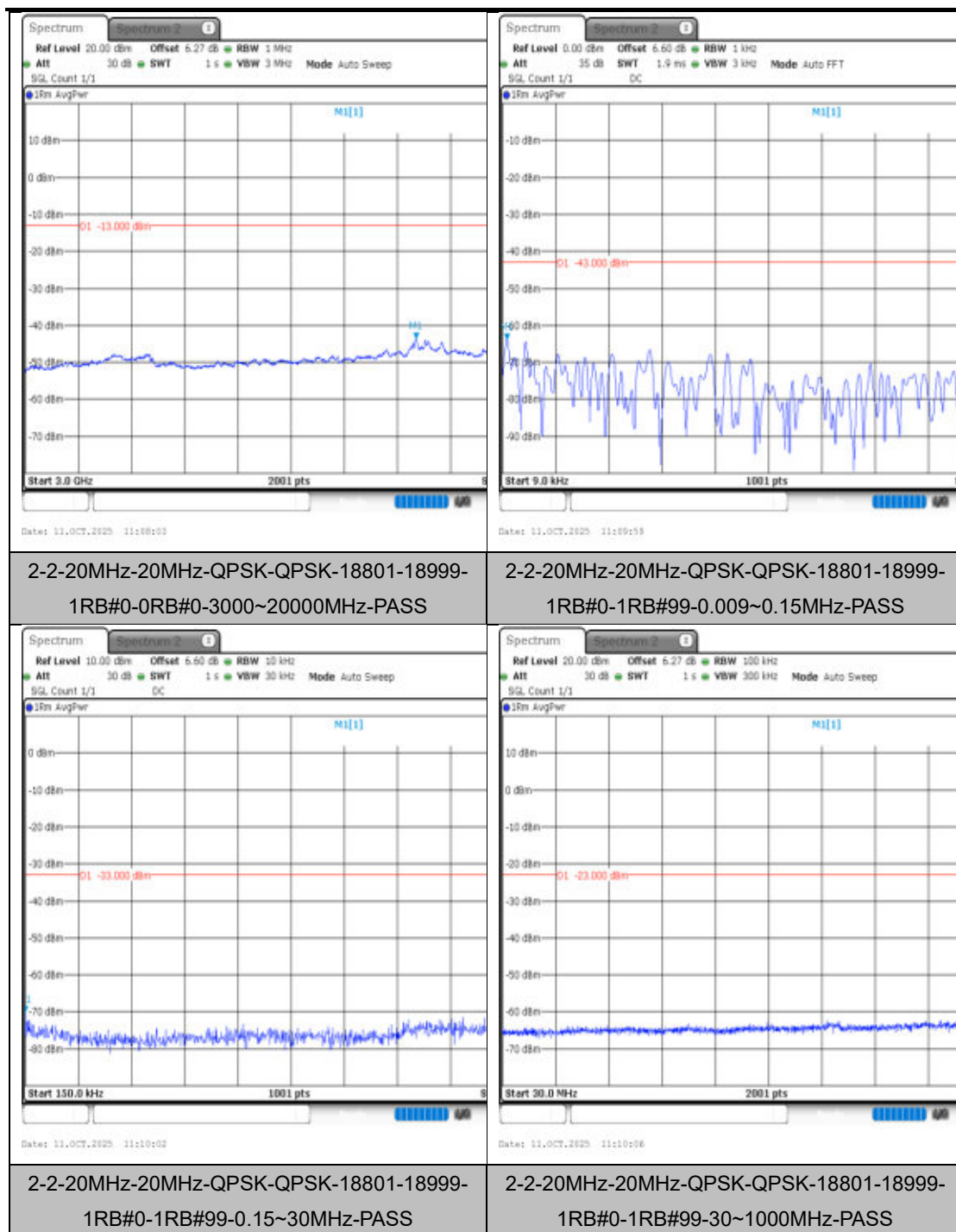


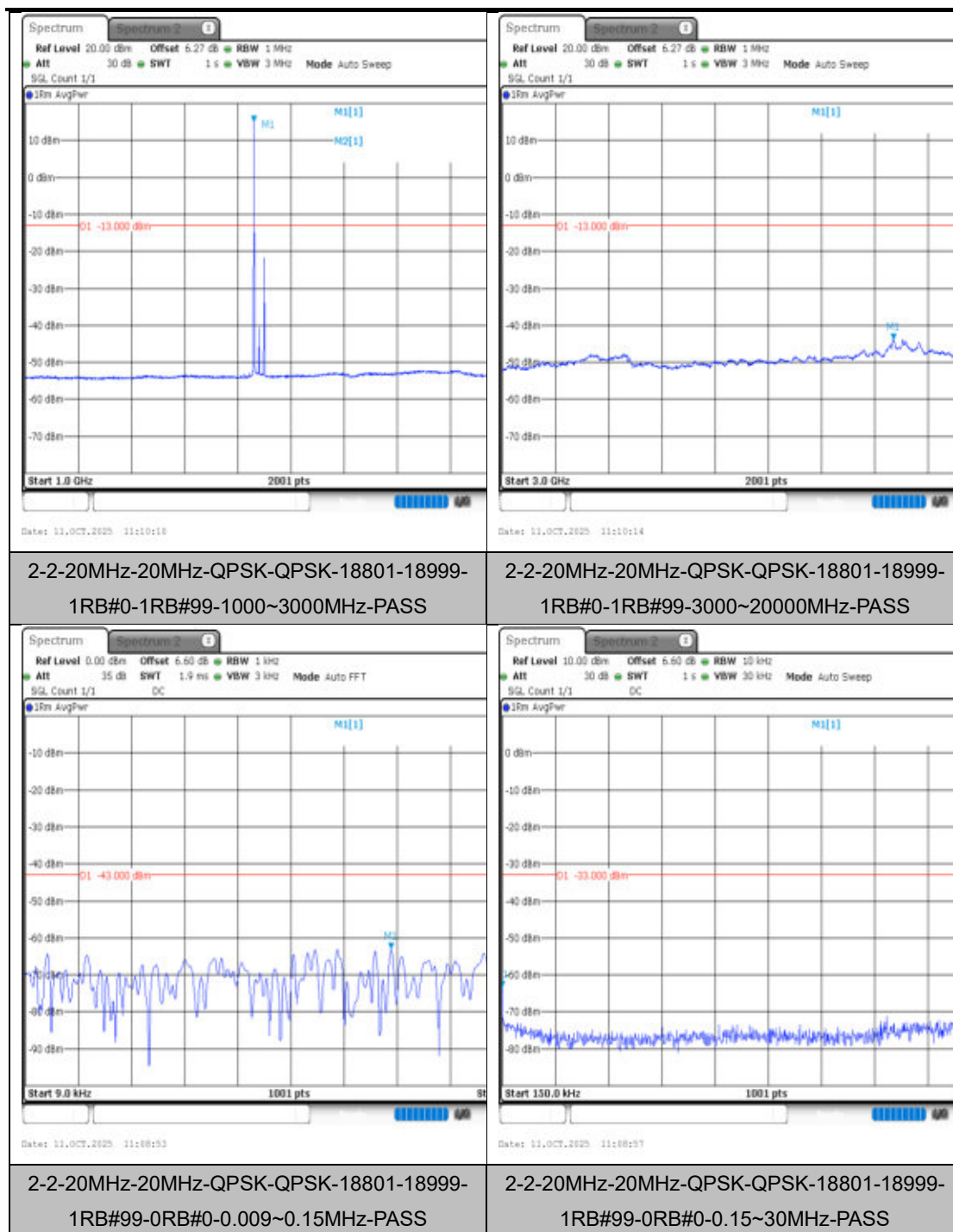


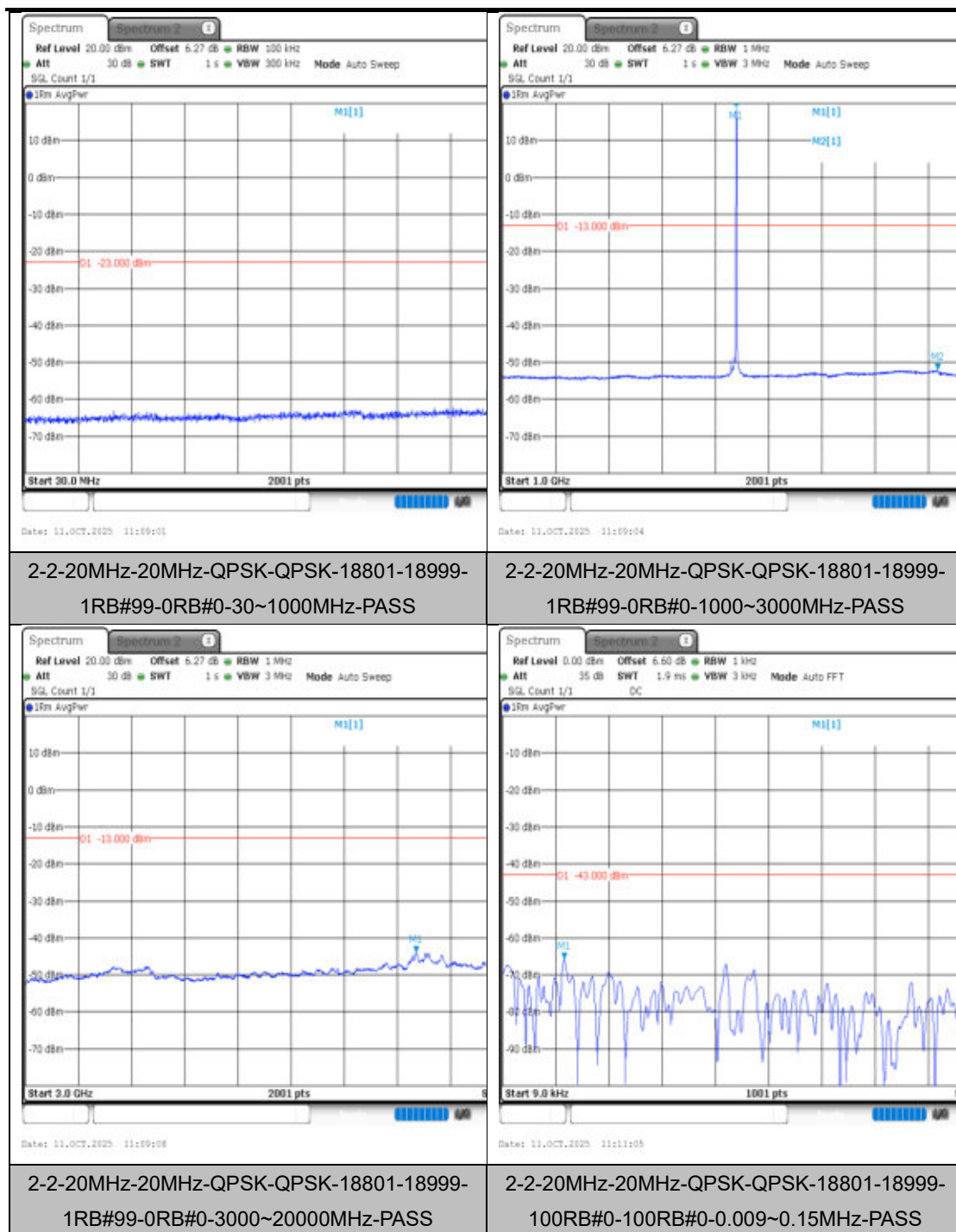


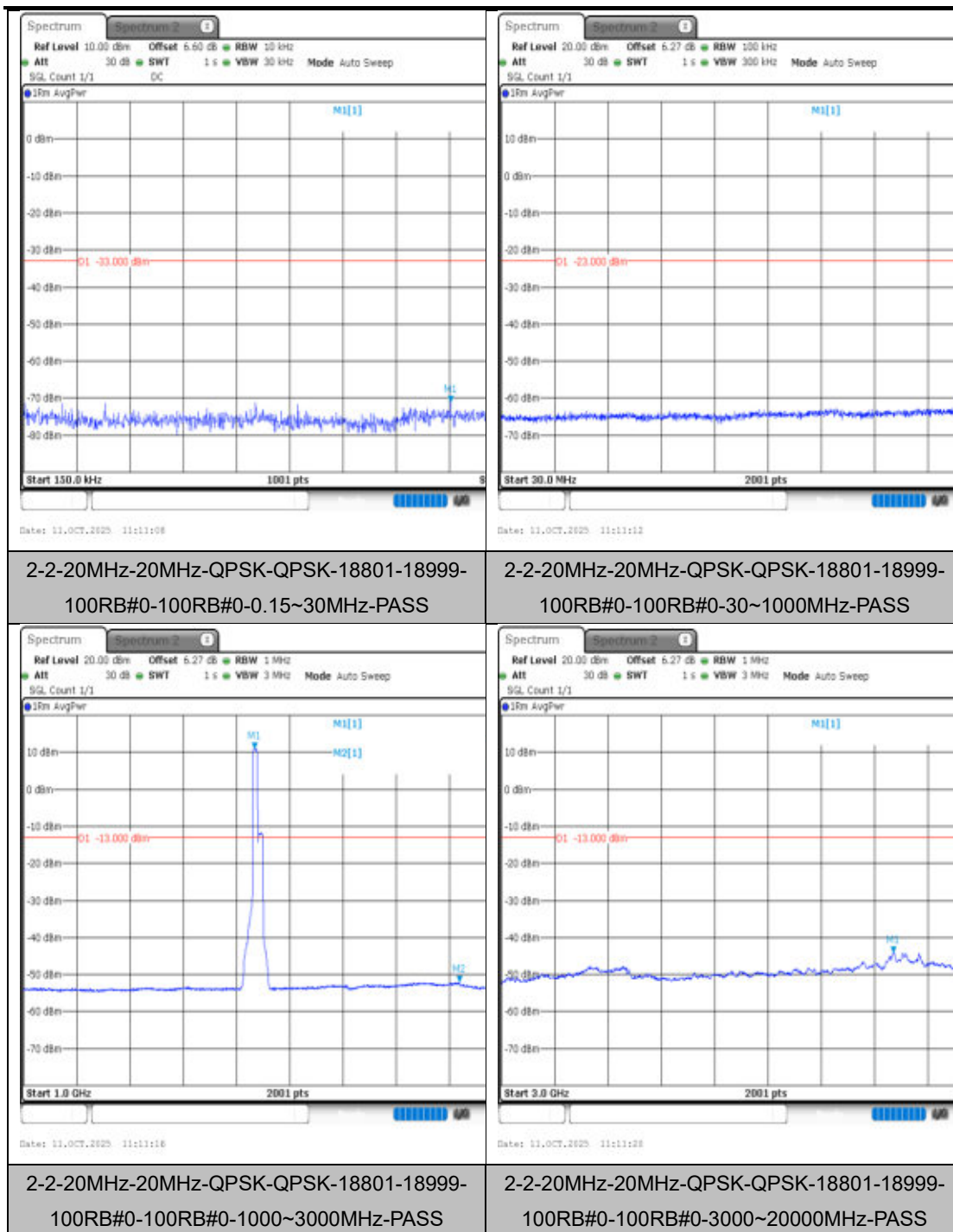


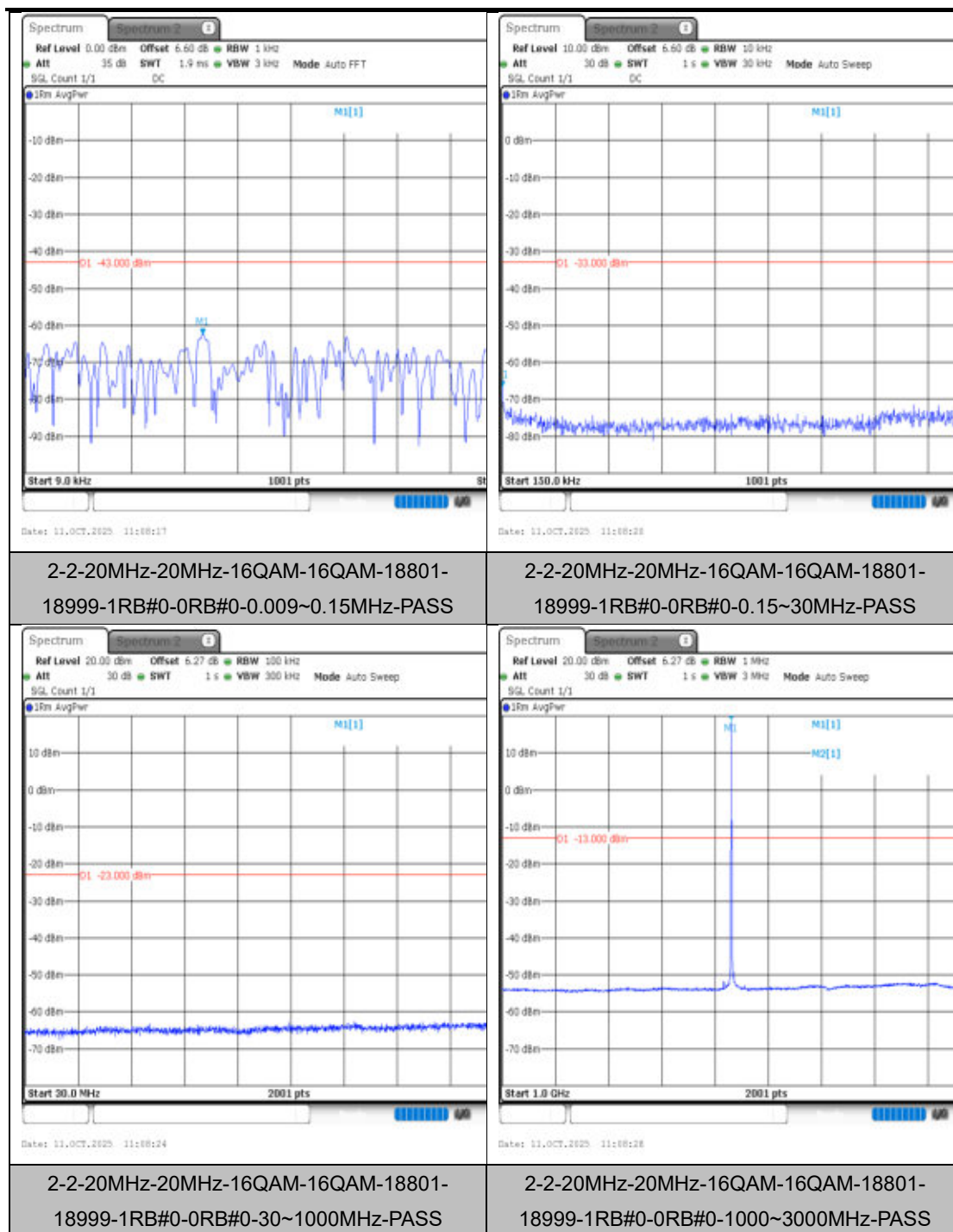


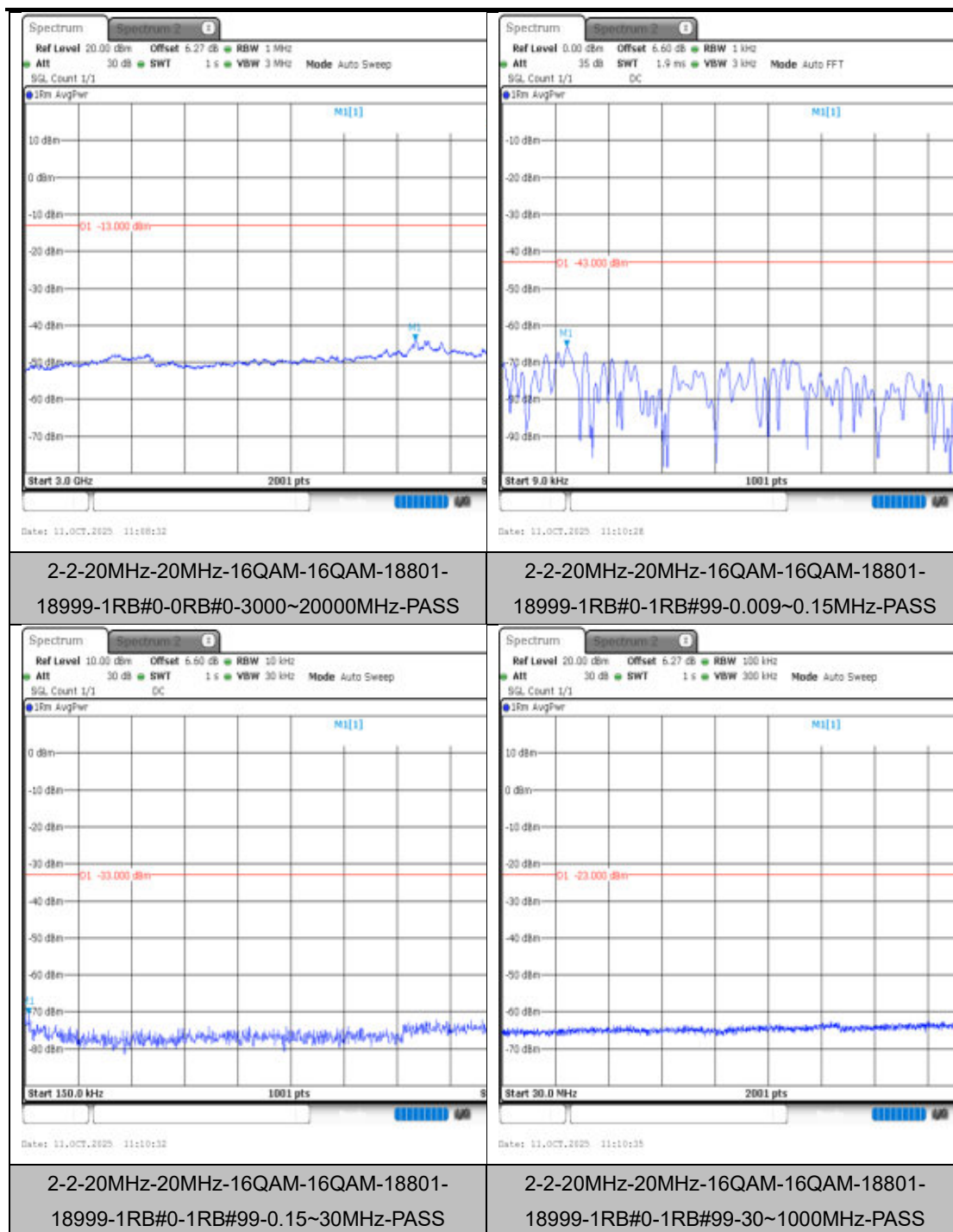


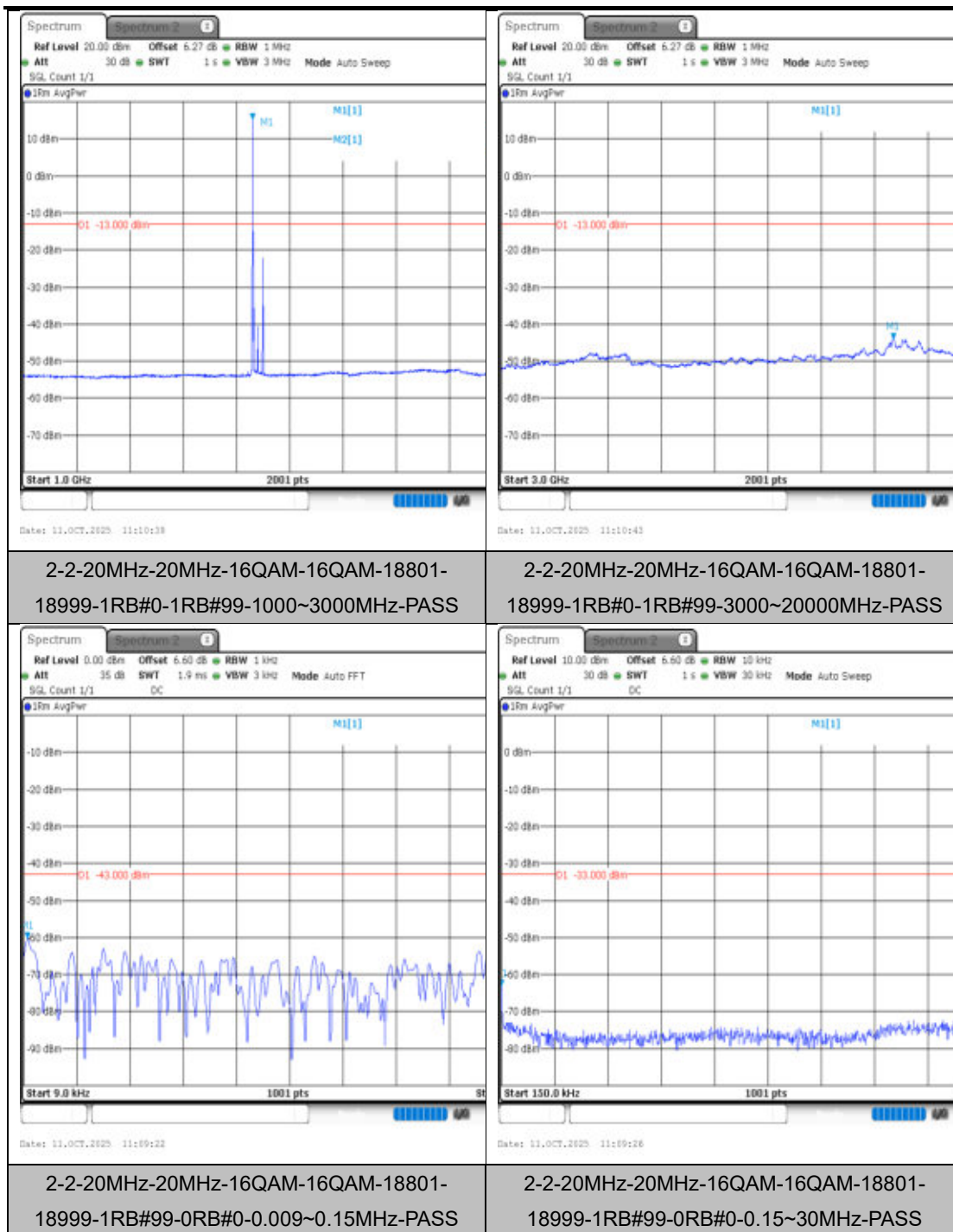


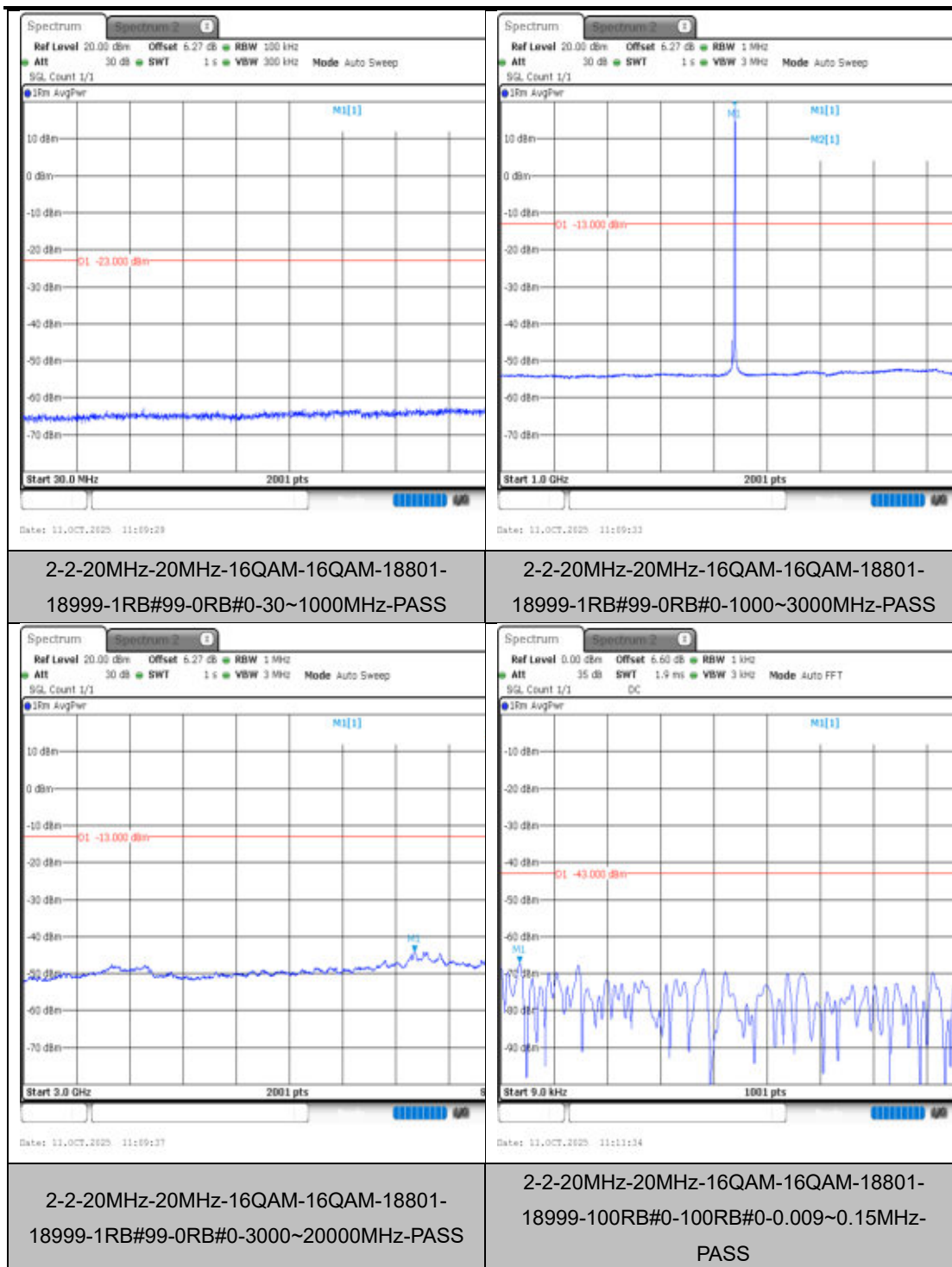


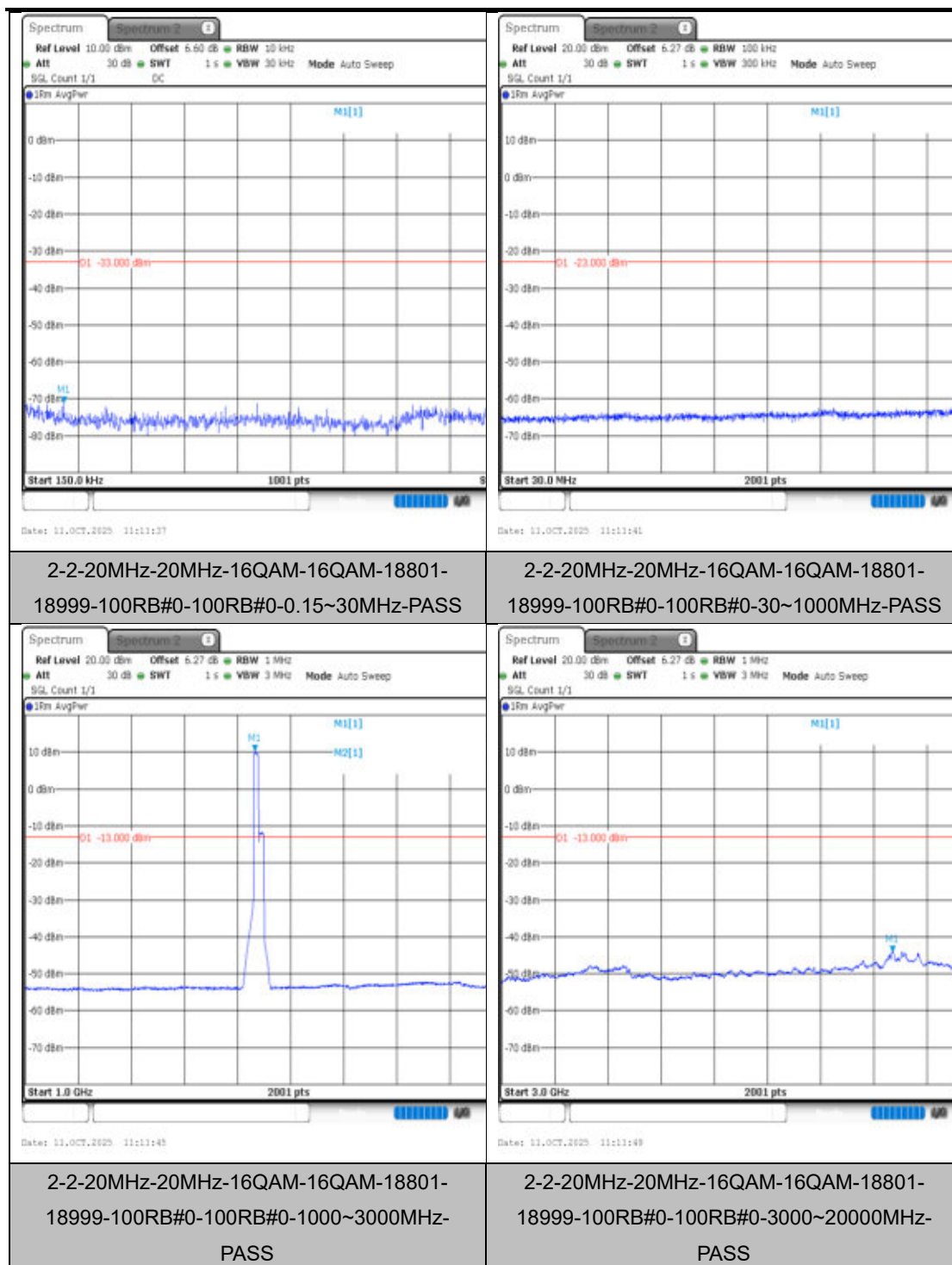


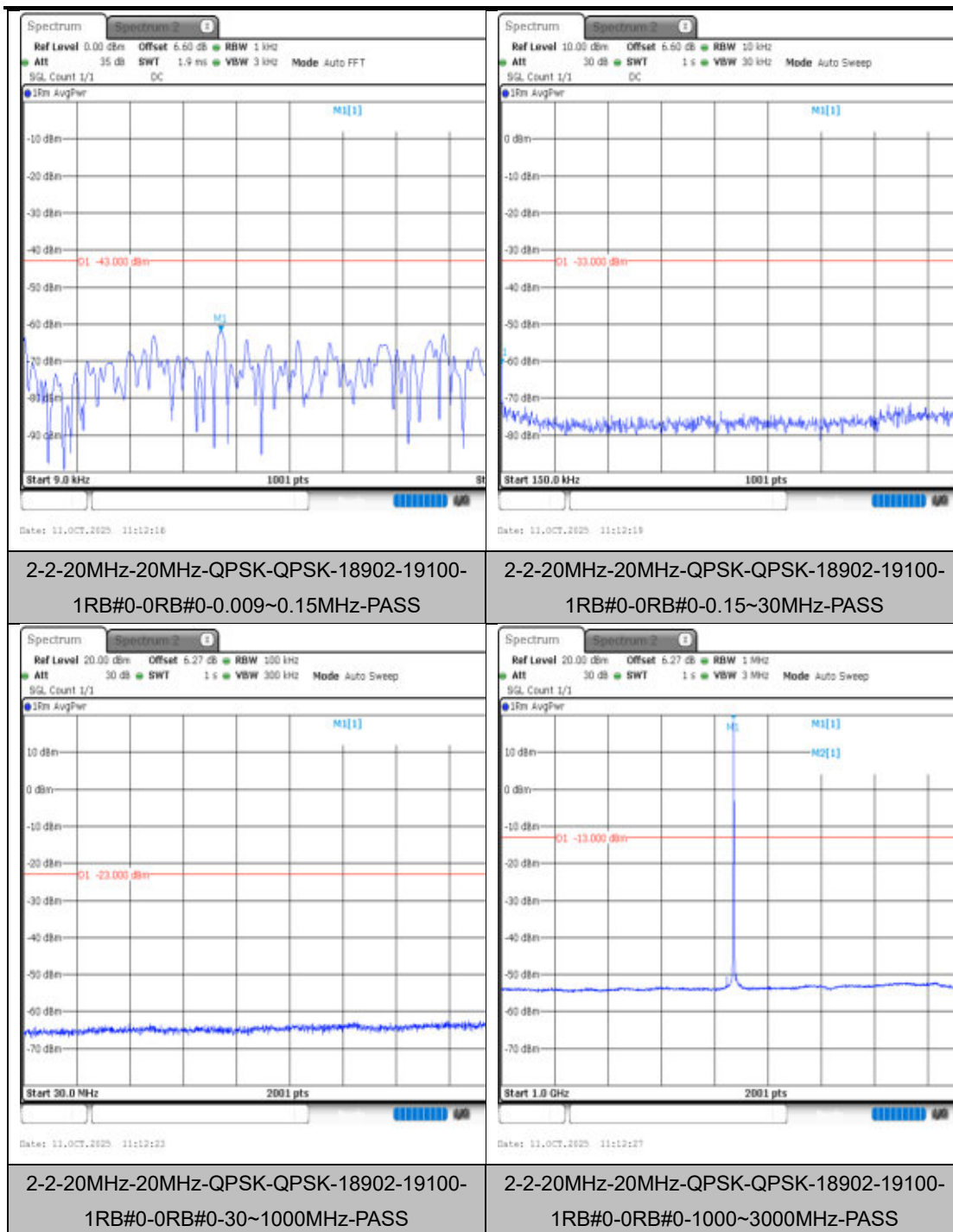


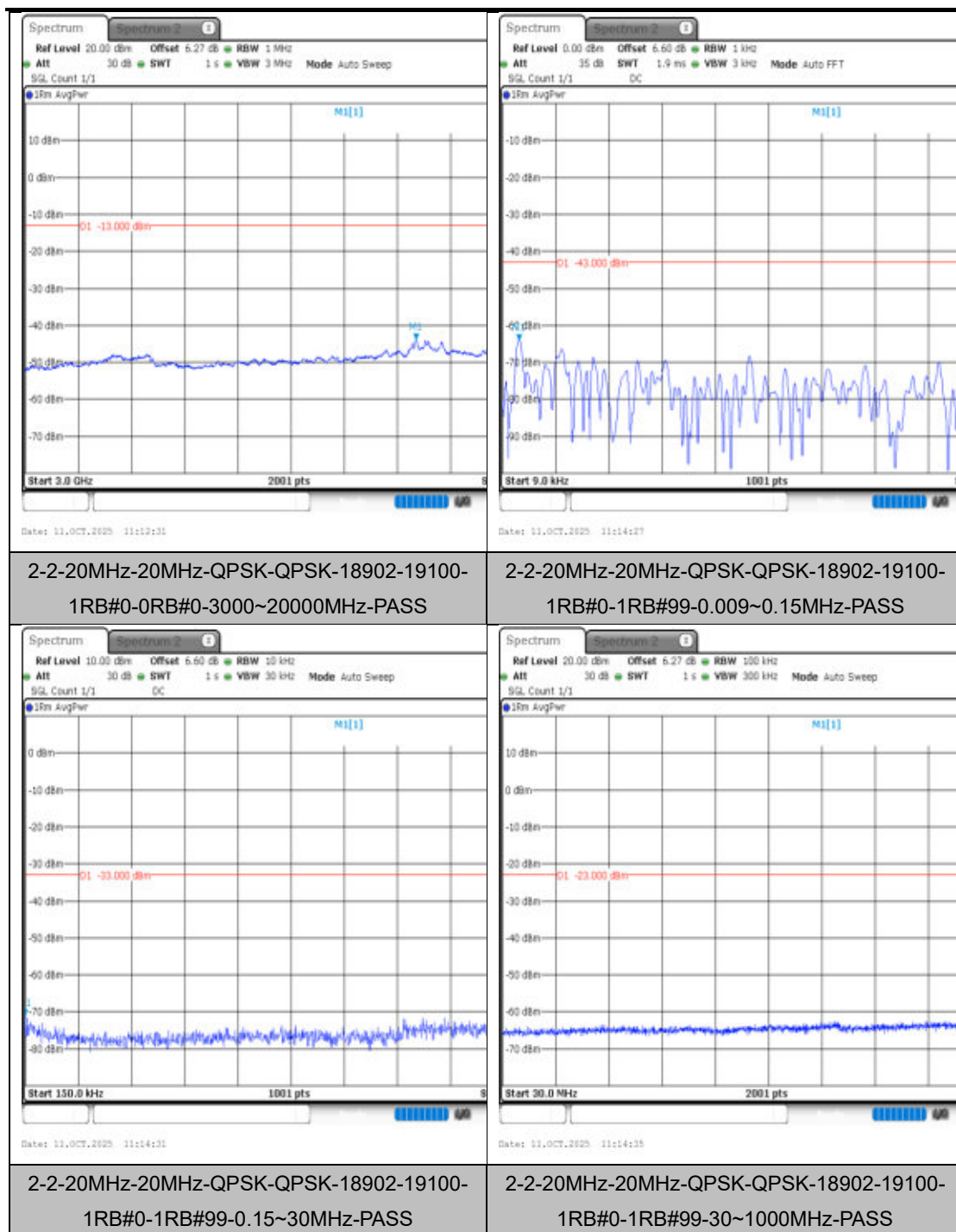


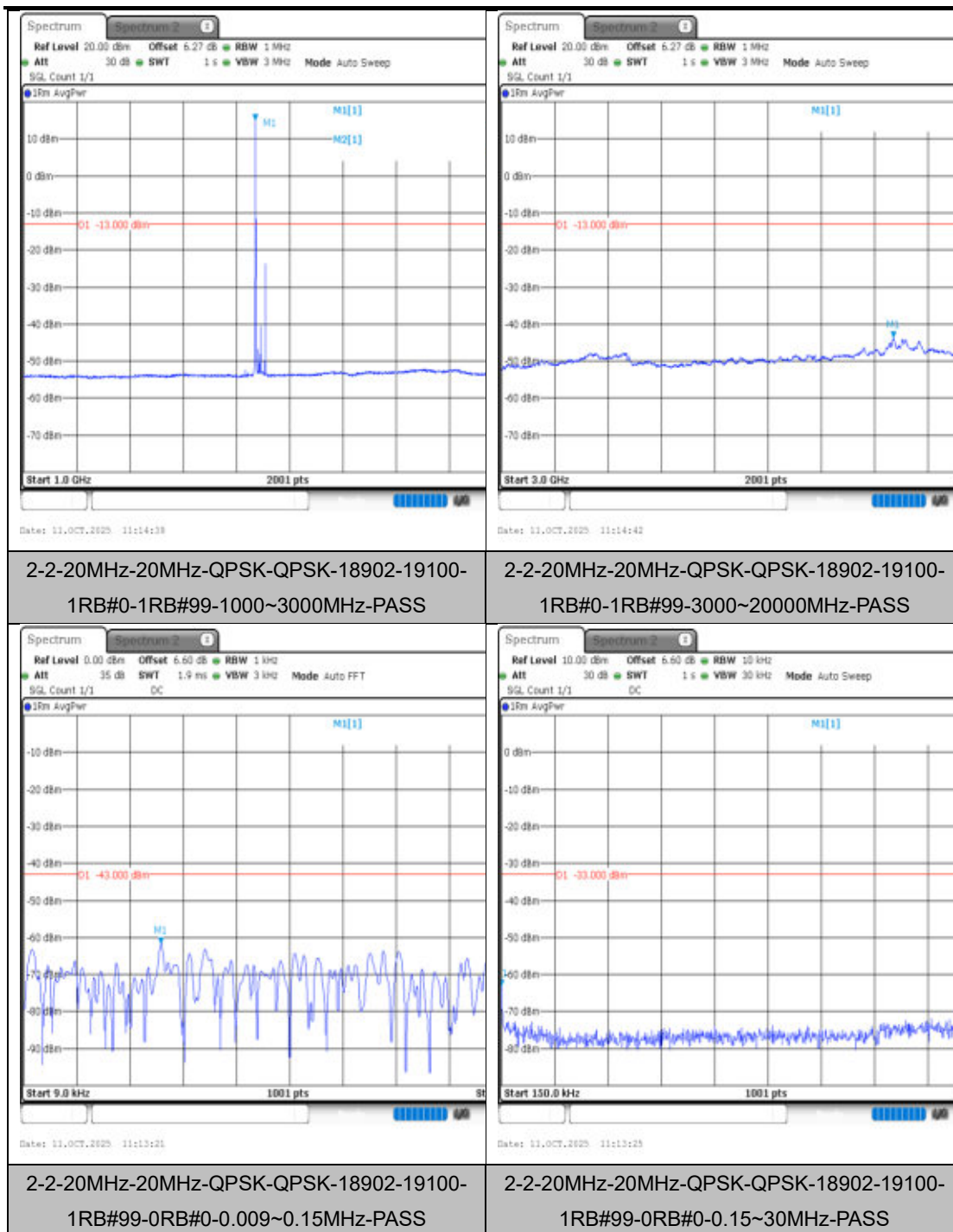


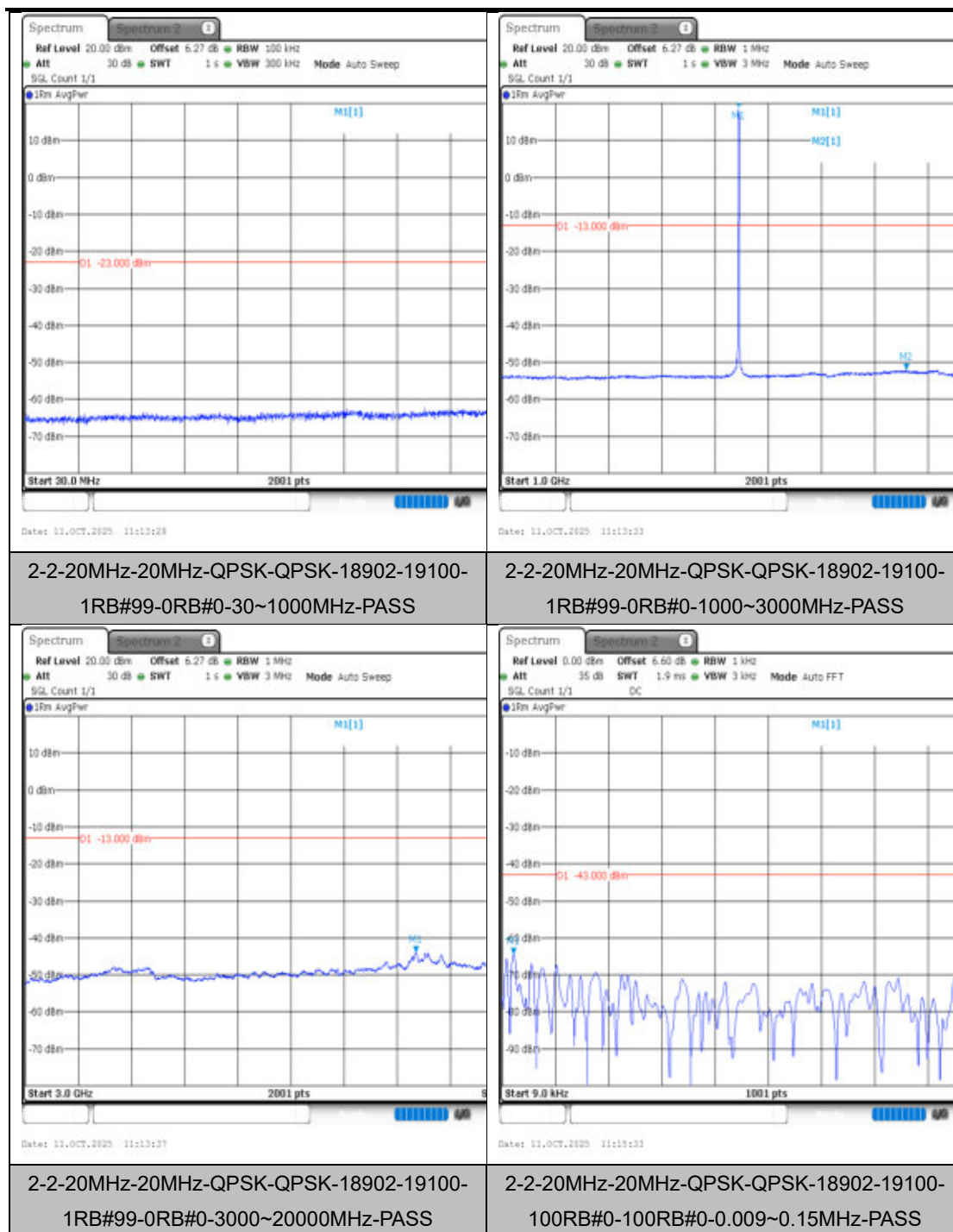


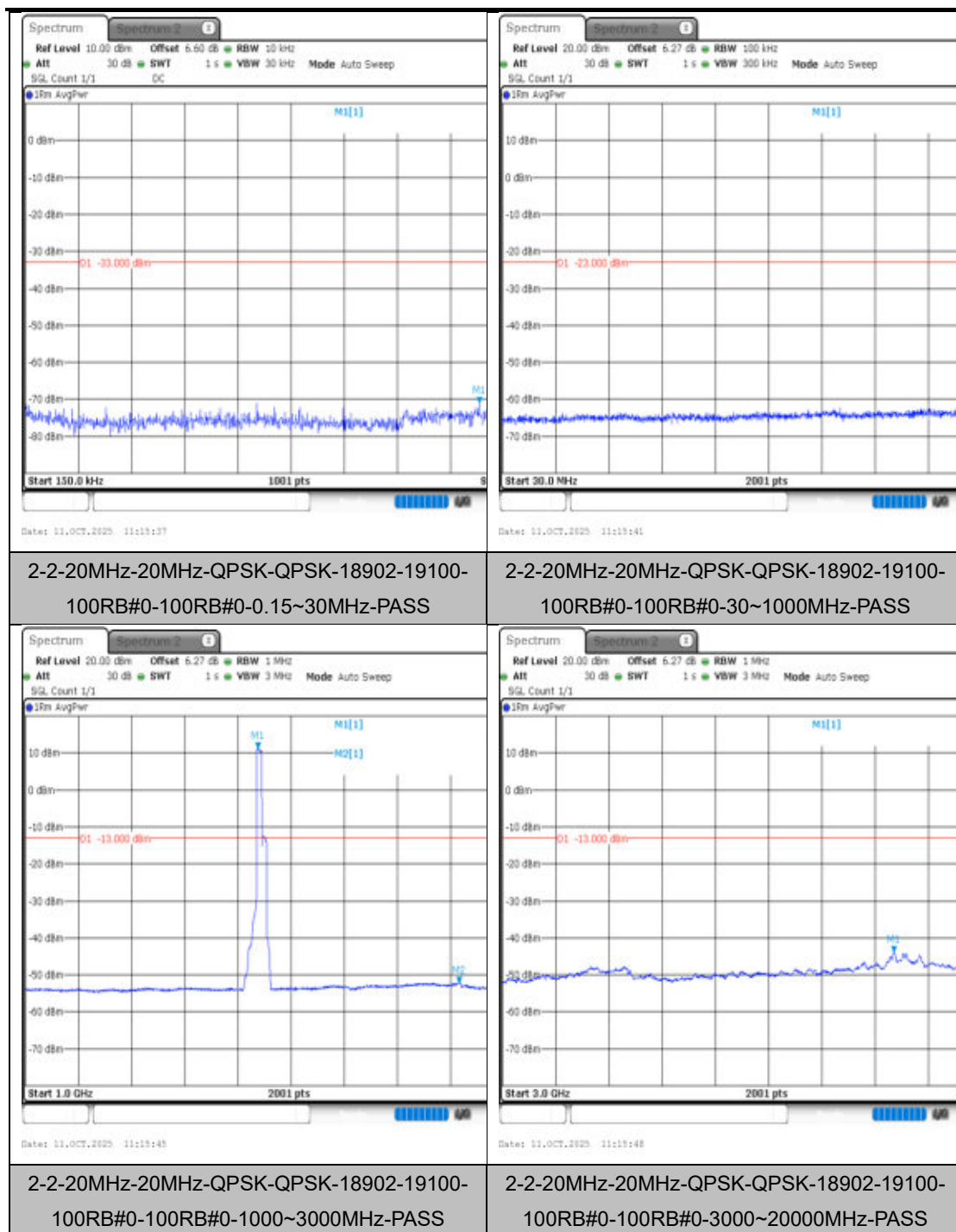


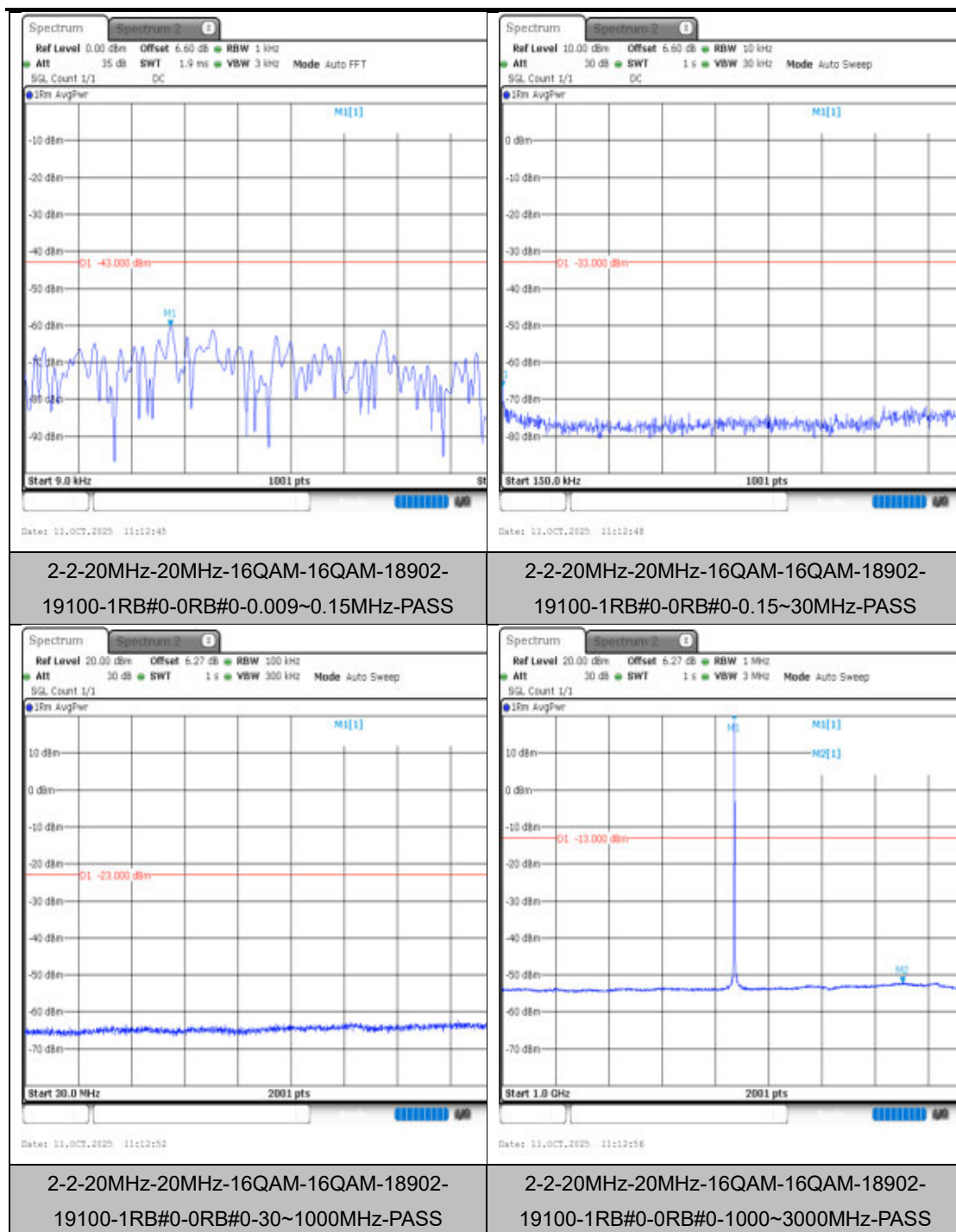


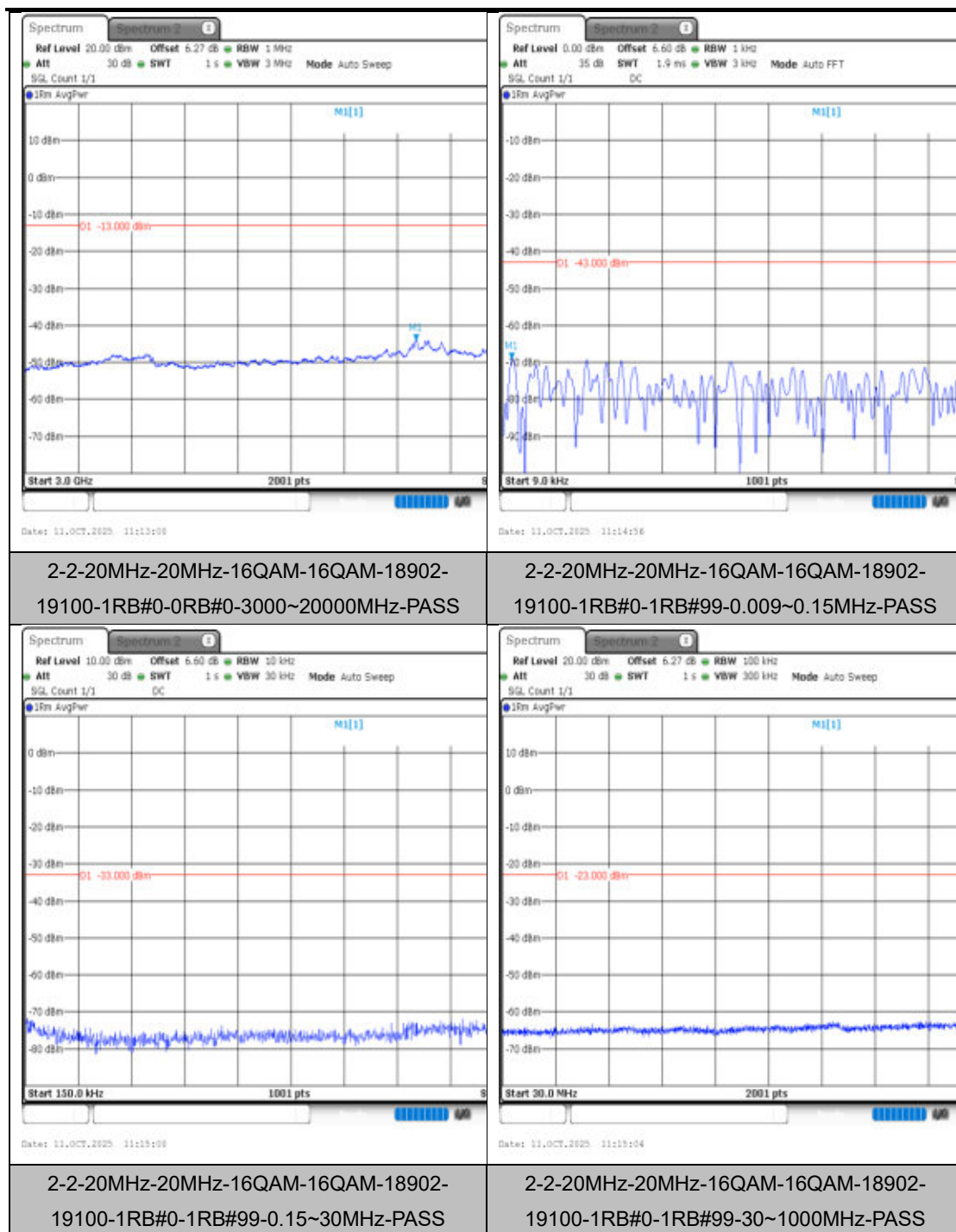


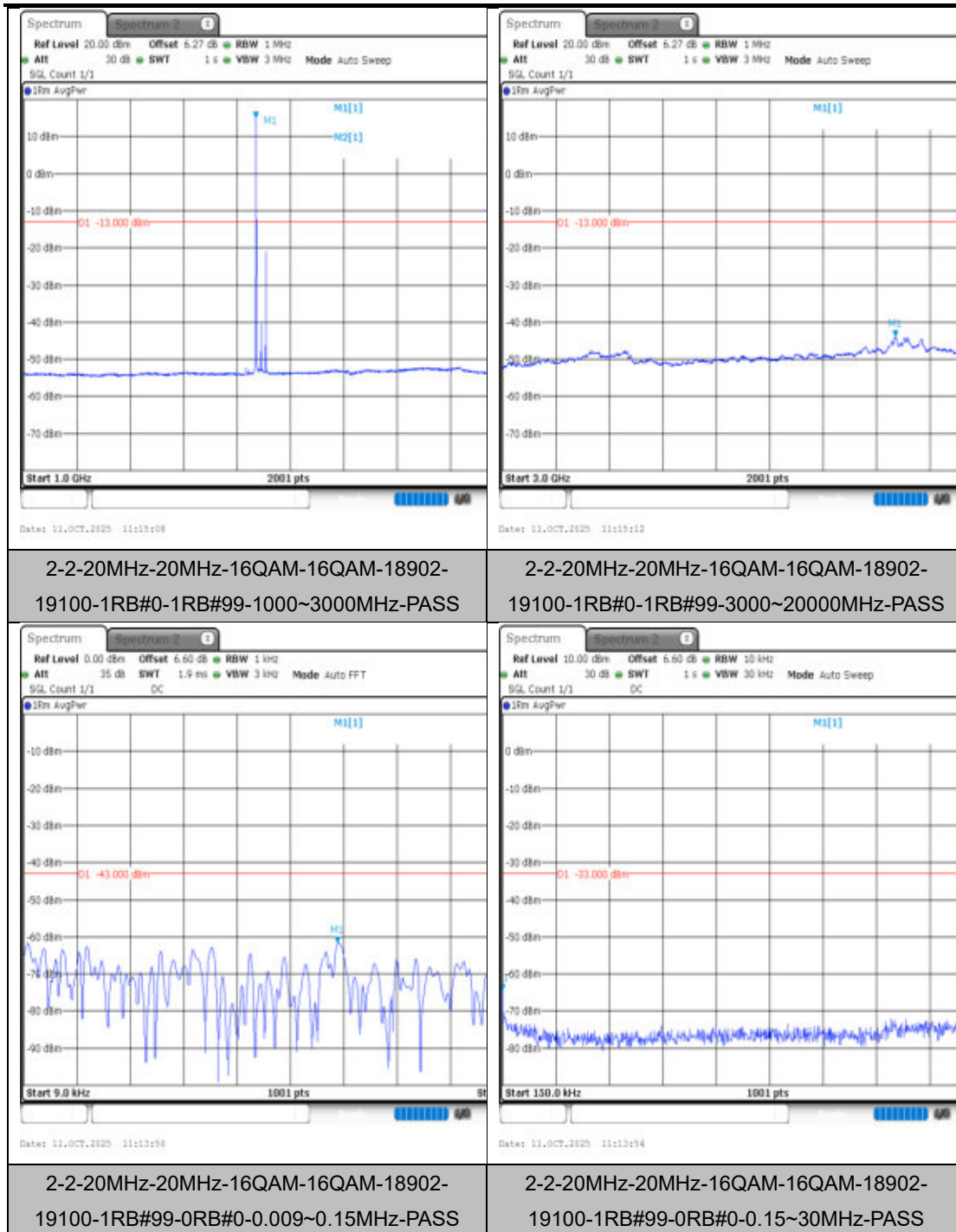


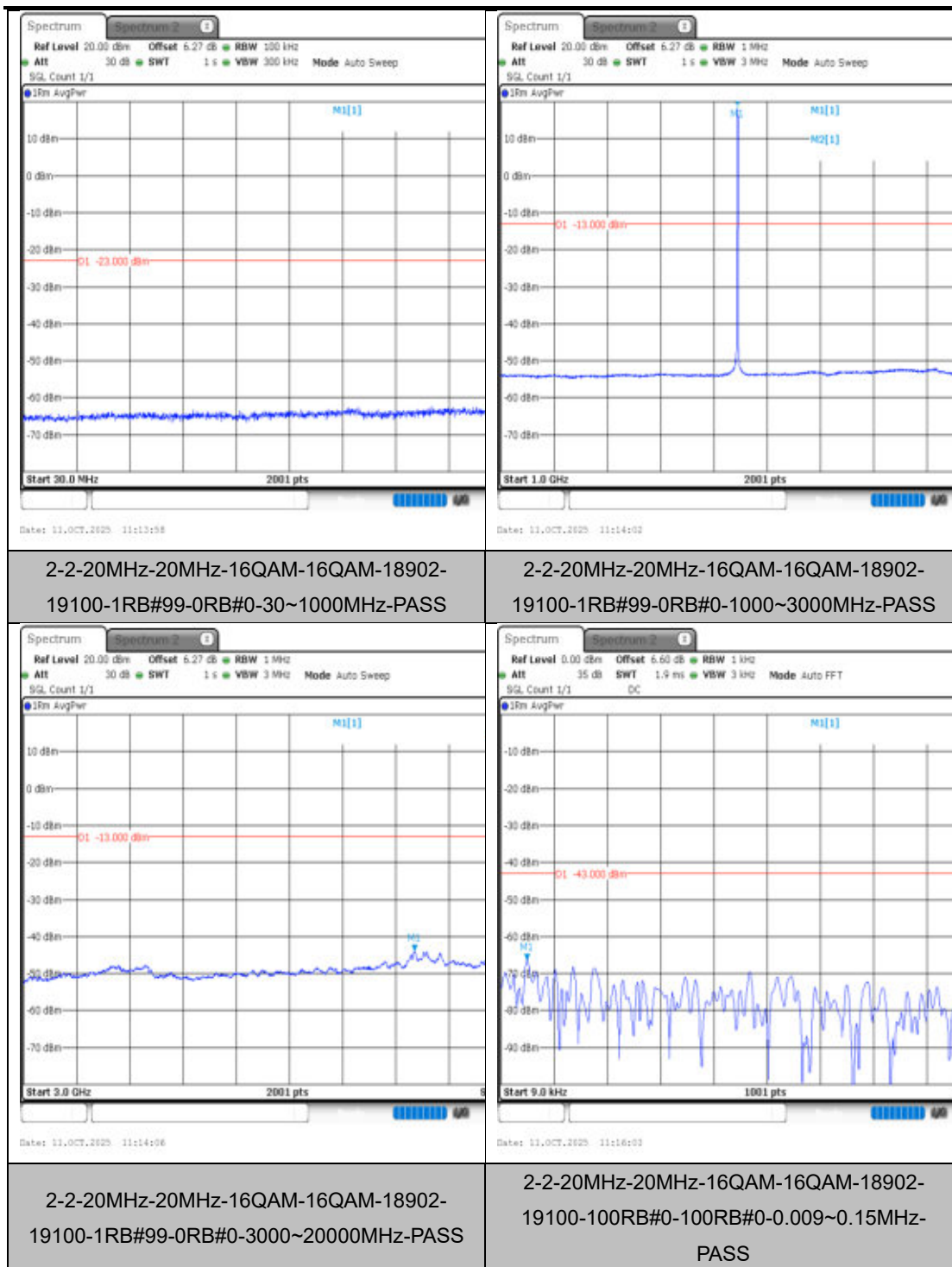


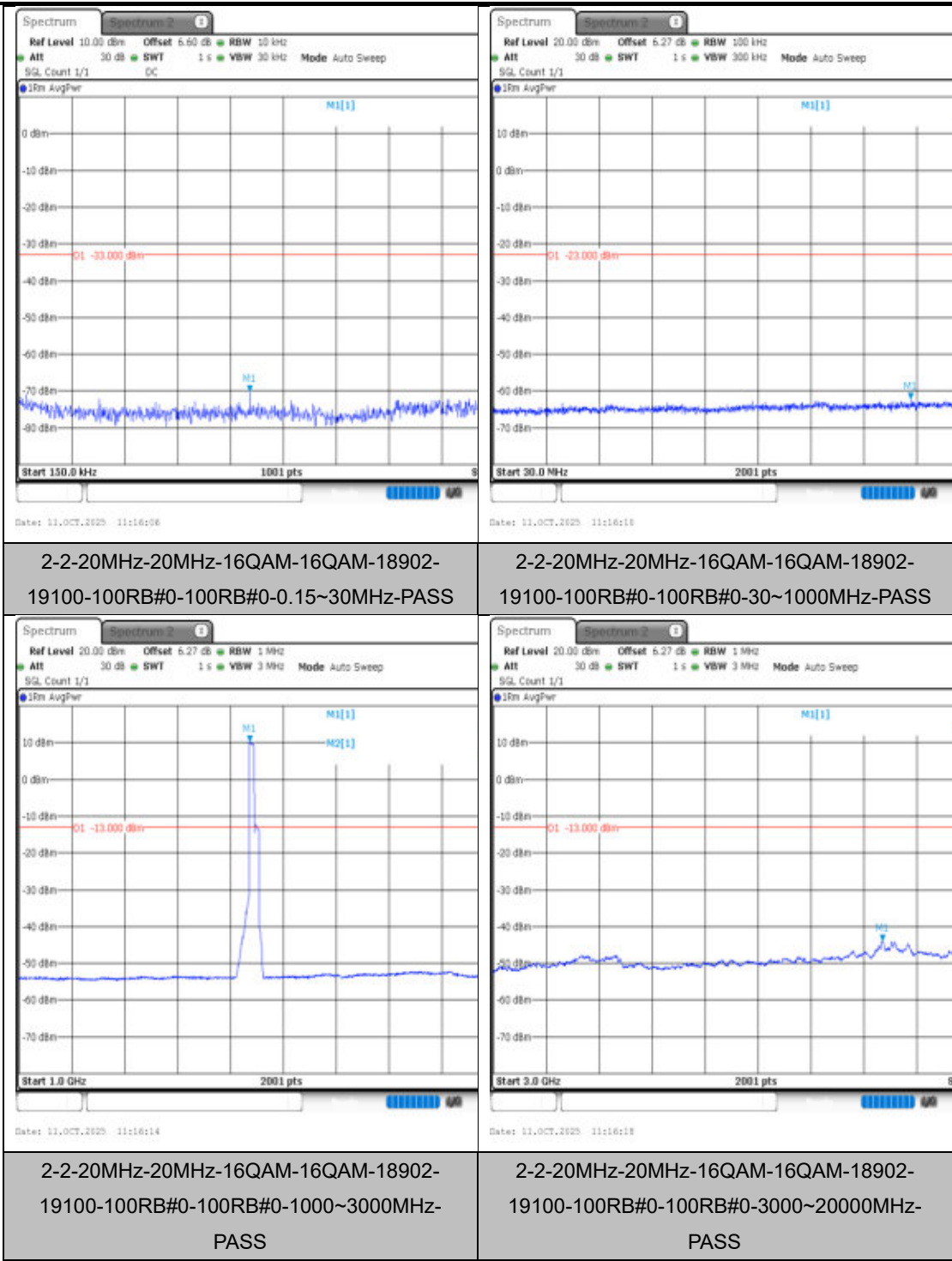












Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	VN	NT	-449550.00	- 241.317301	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	VL	NT	-474500.00	- 254.710398	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	VH	NT	-474500.00	- 254.710398	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	VN	NT	-449550.00	- 241.317301	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	VL	NT	-474500.00	- 254.710398	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	VH	NT	-449550.00	- 241.317301	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	VN	NT	-449550.00	- 239.071474	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	VL	NT	-449550.00	- 239.071474	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	VH	NT	-449550.00	- 239.071474	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18808-18925	25RB#0-100RB#0	VN	NT	-474500.00	- 252.339928	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18808-18925	25RB#0-100RB#0	VL	NT	-474500.00	- 252.339928	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18808-18925	25RB#0-100RB#0	VH	NT	-474500.00	- 252.339928	±NA	PASS

2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	VN	NT	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	VL	NT	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	VH	NT	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	VN	NT	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	VL	NT	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	VH	NT	-474500.00	- 250.01317 2	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18653-18773	50RB#0-75RB#0	VN	NT	-149850.00	-80.454216	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18653-18773	50RB#0-75RB#0	VL	NT	-149850.00	-80.454216	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18653-18773	50RB#0-75RB#0	VH	NT	-149850.00	-80.454216	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18653-18773	50RB#0-75RB#0	VN	NT	-149850.00	-80.454216	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18653-18773	50RB#0-75RB#0	VL	NT	-149850.00	-80.454216	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18653-18773	50RB#0-75RB#0	VH	NT	-149850.00	-80.454216	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	VN	NT	-174850.00	-92.997899	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	VL	NT	-149850.00	-79.701088	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	VH	NT	-149850.00	-79.701088	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	VN	NT	-174850.00	-92.997899	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	VL	NT	-149850.00	-79.701088	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	VH	NT	-149850.00	-79.701088	±NA	PASS
2-2	10MHz-	QPSK-	19005-	50RB#0-	VN	NT	-174850.00	-92.135424	±NA	PASS

	15MHz	QPSK	19125	75RB#0						
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	VL	NT	-174850.00	-92.135424	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	VH	NT	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	VN	NT	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	VL	NT	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	VH	NT	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	VN	NT	-299700.00	-160.679820	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	VL	NT	-299700.00	-160.679820	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	VH	NT	-299700.00	-160.679820	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	VN	NT	-299700.00	-160.679820	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	VL	NT	-299700.00	-160.679820	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	VH	NT	-299700.00	-160.679820	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18806-18950	50RB#0-100RB#0	VN	NT	-299700.00	-159.389459	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18806-18950	50RB#0-100RB#0	VL	NT	-299700.00	-159.389459	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18806-18950	50RB#0-100RB#0	VH	NT	-299700.00	-159.389459	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18806-18950	50RB#0-100RB#0	VN	NT	-299700.00	-159.389459	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18806-18950	50RB#0-100RB#0	VL	NT	-299700.00	-159.389459	±NA	PASS

								9		
2-2	10MHz-20MHz	16QAM-16QAM	18806-18950	50RB#0-100RB#0	VH	NT	-329650.00	- 175.31776 8	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18956-19100	50RB#0-100RB#0	VN	NT	-329700.00	- 173.95663 0	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18956-19100	50RB#0-100RB#0	VL	NT	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18956-19100	50RB#0-100RB#0	VH	NT	-329700.00	- 173.95663 0	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18956-19100	50RB#0-100RB#0	VN	NT	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18956-19100	50RB#0-100RB#0	VL	NT	-329700.00	- 173.95663 0	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18956-19100	50RB#0-100RB#0	VH	NT	-299700.00	- 158.12800 1	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18675-18795	75RB#0-50RB#0	VN	NT	174850.00	93.891798	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18675-18795	75RB#0-50RB#0	VL	NT	149850.00	80.467177	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18675-18795	75RB#0-50RB#0	VH	NT	174850.00	93.891798	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	75RB#0-50RB#0	VN	NT	199800.00	107.28956 9	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	75RB#0-50RB#0	VL	NT	174850.00	93.891798	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	75RB#0-50RB#0	VH	NT	174850.00	93.891798	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	VN	NT	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	VL	NT	124850.00	66.414874	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	VH	NT	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	VN	NT	174850.00	93.012740	±NA	PASS
2-2	15MHz-	16QAM-	18851-	75RB#0-	VL	NT	174850.00	93.012740	±NA	PASS

	10MHz	16QAM	18971	50RB#0						
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	VH	NT	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	VN	NT	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	VL	NT	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	VH	NT	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	VN	NT	174850.00	92.149991	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	VL	NT	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	VH	NT	149850.00	78.974413	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	VN	NT	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	VL	NT	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	VH	NT	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	VN	NT	30000.00	16.085791	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	VL	NT	30000.00	16.085791	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	VH	NT	30000.00	16.085791	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	VN	NT	29950.00	15.930851	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	VL	NT	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	VH	NT	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18825-18975	75RB#0-75RB#0	VN	NT	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18825-18975	75RB#0-75RB#0	VL	NT	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18825-18975	75RB#0-75RB#0	VH	NT	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18975-19125	75RB#0-75RB#0	VN	NT	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18975-19125	75RB#0-75RB#0	VL	NT	-30000.00	-15.831135	±NA	PASS

2-2	15MHz- 15MHz	QPSK- QPSK	18975- 19125	75RB#0- 75RB#0	VH	NT	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 19125	75RB#0- 75RB#0	VN	NT	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 19125	75RB#0- 75RB#0	VL	NT	-30000.00	-15.831135	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 19125	75RB#0- 75RB#0	VH	NT	0.00	0.000000	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	VN	NT	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	VL	NT	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	VH	NT	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18678- 18849	75RB#0- 100RB#0	VN	NT	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18678- 18849	75RB#0- 100RB#0	VL	NT	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18678- 18849	75RB#0- 100RB#0	VH	NT	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18803- 18974	75RB#0- 100RB#0	VN	NT	-139900.00	-74.410936	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18803- 18974	75RB#0- 100RB#0	VL	NT	-139900.00	-74.410936	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18803- 18974	75RB#0- 100RB#0	VH	NT	-139900.00	-74.410936	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18803- 18974	75RB#0- 100RB#0	VN	NT	-139900.00	-74.410936	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18803- 18974	75RB#0- 100RB#0	VL	NT	-139900.00	-74.410936	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18803- 18974	75RB#0- 100RB#0	VH	NT	-139900.00	-74.410936	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	VN	NT	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	VL	NT	-139900.00	-73.915570	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	VH	NT	-139900.00	-73.915570	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	VN	NT	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	VL	NT	-139900.00	-73.915570	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	VH	NT	-174850.00	-92.381254	±NA	PASS

	20MHz	16QAM	19100	100RB#0						
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	VN	NT	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	VL	NT	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	VH	NT	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	VN	NT	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	VL	NT	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	VH	NT	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	VN	NT	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	VL	NT	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	VH	NT	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	VN	NT	474500.00	252.447329	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	VL	NT	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	VH	NT	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	VN	NT	474500.00	250.118602	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	VL	NT	449550.00	236.966950	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	VH	NT	474500.00	250.118602	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	VN	NT	449550.00	236.966950	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	VL	NT	474500.00	250.118602	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	VH	NT	449550.00	236.966950	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	VN	NT	329700.00	176.811283	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	VL	NT	329650.00	176.784469	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	VH	NT	299700.00	160.722904	±NA	PASS

2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	VN	NT	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	VL	NT	329700.00	176.811283	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	VH	NT	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	VN	NT	299700.00	159.431854	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	VL	NT	299700.00	159.431854	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	VH	NT	269750.00	143.499308	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	VN	NT	299700.00	159.431854	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	VL	NT	269750.00	143.499308	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	VH	NT	269750.00	143.499308	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	VN	NT	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	VL	NT	269750.00	142.363310	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	VH	NT	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	VN	NT	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	VL	NT	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	VH	NT	299700.00	158.169728	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	VN	NT	174850.00	93.637873	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	VL	NT	174850.00	93.637873	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	VH	NT	139900.00	74.921009	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	VN	NT	139900.00	74.921009	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	VL	NT	139900.00	74.921009	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	VH	NT	174850.00	93.637873	±NA	PASS
2-2	20MHz-	QPSK-	18826-	100RB#0-	VN	NT	174850.00	93.010267	±NA	PASS

	15MHz	QPSK	18997	75RB#0						
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	VL	NT	174850.00	93.010267	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	VH	NT	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	VN	NT	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	VL	NT	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	VH	NT	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	VN	NT	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	VL	NT	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	VH	NT	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	VN	NT	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	VL	NT	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	VH	NT	139900.00	73.927288	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	VN	NT	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	VL	NT	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	VH	NT	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	100RB#0-100RB#0	VN	NT	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	100RB#0-100RB#0	VL	NT	39950.00	21.364779	±NA	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	100RB#0-100RB#0	VH	NT	39950.00	21.364779	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	VN	NT	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	VL	NT	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	VH	NT	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18801-18999	100RB#0-100RB#0	VN	NT	0.00	0.000000	±NA	PASS

2-2	20MHz-20MHz	16QAM-16QAM	18801-18999	100RB#0-100RB#0	VL	NT	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18801-18999	100RB#0-100RB#0	VH	NT	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18902-19100	100RB#0-100RB#0	VN	NT	-39950.00	-21.136448	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18902-19100	100RB#0-100RB#0	VL	NT	-39950.00	-21.136448	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18902-19100	100RB#0-100RB#0	VH	NT	-79900.00	-42.272896	±NA	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18902-19100	100RB#0-100RB#0	VN	NT	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18902-19100	100RB#0-100RB#0	VL	NT	-79900.00	-42.272896	±NA	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18902-19100	100RB#0-100RB#0	VH	NT	-39950.00	-21.136448	±NA	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	NV	-30	-474500.00	-254.710398	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	NV	-20	-449550.00	-241.317301	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	NV	-10	-449550.00	-241.317301	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	NV	0	-449550.00	-241.317301	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	NV	10	-449550.00	-241.317301	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	NV	20	-449550.00	-241.317301	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	NV	30	-474500.00	-254.710398	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	NV	40	-449550.00	-241.317301	±NA	PASS

								1		
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	NV	50	-474500.00	- 254.71039 8	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	NV	-30	-449550.00	- 241.31730 1	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	NV	-20	-449550.00	- 241.31730 1	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	NV	-10	-449550.00	- 241.31730 1	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	NV	0	-424600.00	- 227.92420 4	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	NV	10	-424600.00	- 227.92420 4	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	NV	20	-449550.00	- 241.31730 1	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	NV	30	-449550.00	- 241.31730 1	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	NV	40	-449550.00	- 241.31730 1	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	NV	50	-449550.00	- 241.31730 1	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	NV	-30	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	NV	-20	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	NV	-10	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	NV	0	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	NV	10	-449550.00	-	±NA	PASS

	20MHz	QPSK	18925	100RB#0				239.07147 4		
2-2	5MHz- 20MHz	QPSK- QPSK	18808- 18925	25RB#0- 100RB#0	NV	20	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	QPSK- QPSK	18808- 18925	25RB#0- 100RB#0	NV	30	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	QPSK- QPSK	18808- 18925	25RB#0- 100RB#0	NV	40	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	QPSK- QPSK	18808- 18925	25RB#0- 100RB#0	NV	50	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	16QAM- 16QAM	18808- 18925	25RB#0- 100RB#0	NV	-30	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	16QAM- 16QAM	18808- 18925	25RB#0- 100RB#0	NV	-20	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	16QAM- 16QAM	18808- 18925	25RB#0- 100RB#0	NV	-10	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	16QAM- 16QAM	18808- 18925	25RB#0- 100RB#0	NV	0	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	16QAM- 16QAM	18808- 18925	25RB#0- 100RB#0	NV	10	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	16QAM- 16QAM	18808- 18925	25RB#0- 100RB#0	NV	20	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	16QAM- 16QAM	18808- 18925	25RB#0- 100RB#0	NV	30	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	16QAM- 16QAM	18808- 18925	25RB#0- 100RB#0	NV	40	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	16QAM- 16QAM	18808- 18925	25RB#0- 100RB#0	NV	50	-449550.00	- 239.07147 4	±NA	PASS
2-2	5MHz- 20MHz	QPSK- QPSK	18983- 19100	25RB#0- 100RB#0	NV	-30	-474500.00	- 250.01317 2	±NA	PASS

2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	NV	-20	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	NV	-10	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	NV	0	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	NV	10	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	NV	20	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	NV	30	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	NV	40	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	NV	50	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	NV	-30	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	NV	-20	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	NV	-10	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	NV	0	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	NV	10	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	NV	20	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	NV	30	-474500.00	- 250.01317	±NA	PASS

								2		
2-2	5MHz- 20MHz	16QAM- 16QAM	18983- 19100	25RB#0- 100RB#0	NV	40	-474500.00	- 250.01317 2	±NA	PASS
2-2	5MHz- 20MHz	16QAM- 16QAM	18983- 19100	25RB#0- 100RB#0	NV	50	-474500.00	- 250.01317 2	±NA	PASS
2-2	10MHz- 15MHz	QPSK- QPSK	18653- 18773	50RB#0- 75RB#0	NV	-30	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	QPSK- QPSK	18653- 18773	50RB#0- 75RB#0	NV	-20	-124850.00	-67.031758	±NA	PASS
2-2	10MHz- 15MHz	QPSK- QPSK	18653- 18773	50RB#0- 75RB#0	NV	-10	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	QPSK- QPSK	18653- 18773	50RB#0- 75RB#0	NV	0	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	QPSK- QPSK	18653- 18773	50RB#0- 75RB#0	NV	10	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	QPSK- QPSK	18653- 18773	50RB#0- 75RB#0	NV	20	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	QPSK- QPSK	18653- 18773	50RB#0- 75RB#0	NV	30	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	QPSK- QPSK	18653- 18773	50RB#0- 75RB#0	NV	40	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	QPSK- QPSK	18653- 18773	50RB#0- 75RB#0	NV	50	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	16QAM- 16QAM	18653- 18773	50RB#0- 75RB#0	NV	-30	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	16QAM- 16QAM	18653- 18773	50RB#0- 75RB#0	NV	-20	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	16QAM- 16QAM	18653- 18773	50RB#0- 75RB#0	NV	-10	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	16QAM- 16QAM	18653- 18773	50RB#0- 75RB#0	NV	0	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	16QAM- 16QAM	18653- 18773	50RB#0- 75RB#0	NV	10	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	16QAM- 16QAM	18653- 18773	50RB#0- 75RB#0	NV	20	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	16QAM- 16QAM	18653- 18773	50RB#0- 75RB#0	NV	30	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	16QAM- 16QAM	18653- 18773	50RB#0- 75RB#0	NV	40	-149850.00	-80.454216	±NA	PASS
2-2	10MHz- 15MHz	16QAM- 16QAM	18653- 18773	50RB#0- 75RB#0	NV	50	-149850.00	-80.454216	±NA	PASS

2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	NV	-30	-149850.00	-79.701088	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	NV	-20	-149850.00	-79.701088	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	NV	-10	-174850.00	-92.997899	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	NV	0	-174850.00	-92.997899	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	NV	10	-149850.00	-79.701088	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	NV	20	-124850.00	-66.404276	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	NV	30	-174850.00	-92.997899	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	NV	40	-124850.00	-66.404276	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	NV	50	-149850.00	-79.701088	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	NV	-30	-124850.00	-66.404276	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	NV	-20	-124850.00	-66.404276	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	NV	-10	-174850.00	-92.997899	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	NV	0	-149850.00	-79.701088	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	NV	10	-174850.00	-92.997899	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	NV	20	-149850.00	-79.701088	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	NV	30	-174850.00	-92.997899	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	NV	40	-149850.00	-79.701088	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	NV	50	-174850.00	-92.997899	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	NV	-30	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	NV	-20	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	NV	-10	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	NV	0	-149850.00	-78.961929	±NA	PASS

	15MHz	QPSK	19125	75RB#0						
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	NV	10	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	NV	20	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	NV	30	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	NV	40	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	NV	50	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	NV	-30	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	NV	-20	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	NV	-10	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	NV	0	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	NV	10	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	NV	20	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	NV	30	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	NV	40	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	NV	50	-149850.00	-78.961929	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	NV	-30	-299700.00	-160.679820	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	NV	-20	-299700.00	-160.679820	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	NV	-10	-299700.00	-160.679820	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	NV	0	-299700.00	-160.679820	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	NV	10	-299700.00	-160.679820	±NA	PASS

								0		
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	NV	20	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	NV	30	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	NV	40	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	NV	50	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	NV	-30	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	NV	-20	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	NV	-10	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	NV	0	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	NV	10	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	NV	20	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	NV	30	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	NV	40	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	NV	50	-299700.00	- 160.67982 0	±NA	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18806-18950	50RB#0-100RB#0	NV	-30	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz-	QPSK-	18806-	50RB#0-	NV	-20	-299700.00	-	±NA	PASS

	20MHz	QPSK	18950	100RB#0				159.38945 9		
2-2	10MHz- 20MHz	QPSK- QPSK	18806- 18950	50RB#0- 100RB#0	NV	-10	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18806- 18950	50RB#0- 100RB#0	NV	0	-269750.00	- 143.46115 0	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18806- 18950	50RB#0- 100RB#0	NV	10	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18806- 18950	50RB#0- 100RB#0	NV	20	-269750.00	- 143.46115 0	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18806- 18950	50RB#0- 100RB#0	NV	30	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18806- 18950	50RB#0- 100RB#0	NV	40	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18806- 18950	50RB#0- 100RB#0	NV	50	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18806- 18950	50RB#0- 100RB#0	NV	-30	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18806- 18950	50RB#0- 100RB#0	NV	-20	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18806- 18950	50RB#0- 100RB#0	NV	-10	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18806- 18950	50RB#0- 100RB#0	NV	0	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18806- 18950	50RB#0- 100RB#0	NV	10	-329650.00	- 175.31776 8	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18806- 18950	50RB#0- 100RB#0	NV	20	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18806- 18950	50RB#0- 100RB#0	NV	30	-299700.00	- 159.38945 9	±NA	PASS

2-2	10MHz- 20MHz	16QAM- 16QAM	18806- 18950	50RB#0- 100RB#0	NV	40	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18806- 18950	50RB#0- 100RB#0	NV	50	-299700.00	- 159.38945 9	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18956- 19100	50RB#0- 100RB#0	NV	-30	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18956- 19100	50RB#0- 100RB#0	NV	-20	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18956- 19100	50RB#0- 100RB#0	NV	-10	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18956- 19100	50RB#0- 100RB#0	NV	0	-329700.00	- 173.95663 0	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18956- 19100	50RB#0- 100RB#0	NV	10	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18956- 19100	50RB#0- 100RB#0	NV	20	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18956- 19100	50RB#0- 100RB#0	NV	30	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18956- 19100	50RB#0- 100RB#0	NV	40	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	QPSK- QPSK	18956- 19100	50RB#0- 100RB#0	NV	50	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18956- 19100	50RB#0- 100RB#0	NV	-30	-329700.00	- 173.95663 0	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18956- 19100	50RB#0- 100RB#0	NV	-20	-329700.00	- 173.95663 0	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18956- 19100	50RB#0- 100RB#0	NV	-10	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18956- 19100	50RB#0- 100RB#0	NV	0	-329700.00	- 173.95663	±NA	PASS

								0		
2-2	10MHz- 20MHz	16QAM- 16QAM	18956- 19100	50RB#0- 100RB#0	NV	10	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18956- 19100	50RB#0- 100RB#0	NV	20	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18956- 19100	50RB#0- 100RB#0	NV	30	-299700.00	- 158.12800 1	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18956- 19100	50RB#0- 100RB#0	NV	40	-329700.00	- 173.95663 0	±NA	PASS
2-2	10MHz- 20MHz	16QAM- 16QAM	18956- 19100	50RB#0- 100RB#0	NV	50	-299700.00	- 158.12800 1	±NA	PASS
2-2	15MHz- 10MHz	QPSK- QPSK	18675- 18795	75RB#0- 50RB#0	NV	-30	174850.00	93.891798	±NA	PASS
2-2	15MHz- 10MHz	QPSK- QPSK	18675- 18795	75RB#0- 50RB#0	NV	-20	149850.00	80.467177	±NA	PASS
2-2	15MHz- 10MHz	QPSK- QPSK	18675- 18795	75RB#0- 50RB#0	NV	-10	149850.00	80.467177	±NA	PASS
2-2	15MHz- 10MHz	QPSK- QPSK	18675- 18795	75RB#0- 50RB#0	NV	0	174850.00	93.891798	±NA	PASS
2-2	15MHz- 10MHz	QPSK- QPSK	18675- 18795	75RB#0- 50RB#0	NV	10	174850.00	93.891798	±NA	PASS
2-2	15MHz- 10MHz	QPSK- QPSK	18675- 18795	75RB#0- 50RB#0	NV	20	149850.00	80.467177	±NA	PASS
2-2	15MHz- 10MHz	QPSK- QPSK	18675- 18795	75RB#0- 50RB#0	NV	30	149850.00	80.467177	±NA	PASS
2-2	15MHz- 10MHz	QPSK- QPSK	18675- 18795	75RB#0- 50RB#0	NV	40	149850.00	80.467177	±NA	PASS
2-2	15MHz- 10MHz	QPSK- QPSK	18675- 18795	75RB#0- 50RB#0	NV	50	174850.00	93.891798	±NA	PASS
2-2	15MHz- 10MHz	16QAM- 16QAM	18675- 18795	75RB#0- 50RB#0	NV	-30	149850.00	80.467177	±NA	PASS
2-2	15MHz- 10MHz	16QAM- 16QAM	18675- 18795	75RB#0- 50RB#0	NV	-20	199800.00	107.28956 9	±NA	PASS
2-2	15MHz- 10MHz	16QAM- 16QAM	18675- 18795	75RB#0- 50RB#0	NV	-10	174850.00	93.891798	±NA	PASS
2-2	15MHz- 10MHz	16QAM- 16QAM	18675- 18795	75RB#0- 50RB#0	NV	0	199800.00	107.28956 9	±NA	PASS
2-2	15MHz-	16QAM-	18675-	75RB#0-	NV	10	149850.00	80.467177	±NA	PASS

	10MHz	16QAM	18795	50RB#0						
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	75RB#0-50RB#0	NV	20	174850.00	93.891798	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	75RB#0-50RB#0	NV	30	199800.00	107.289569	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	75RB#0-50RB#0	NV	40	174850.00	93.891798	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	75RB#0-50RB#0	NV	50	149850.00	80.467177	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	NV	-30	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	NV	-20	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	NV	-10	174850.00	93.012740	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	NV	0	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	NV	10	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	NV	20	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	NV	30	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	NV	40	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	NV	50	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	NV	-30	174850.00	93.012740	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	NV	-20	149850.00	79.713807	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	NV	-10	174850.00	93.012740	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	NV	0	124850.00	66.414874	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	NV	10	124850.00	66.414874	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	NV	20	174850.00	93.012740	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	NV	30	124850.00	66.414874	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	NV	40	149850.00	79.713807	±NA	PASS

2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	NV	50	174850.00	93.012740	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	NV	-30	124850.00	65.798835	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	NV	-20	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	NV	-10	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	NV	0	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	NV	10	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	NV	20	124850.00	65.798835	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	NV	30	124850.00	65.798835	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	NV	40	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	NV	50	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	NV	-30	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	NV	-20	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	NV	-10	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	NV	0	174850.00	92.149991	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	NV	10	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	NV	20	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	NV	30	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	NV	40	149850.00	78.974413	±NA	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	NV	50	149850.00	78.974413	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	NV	-30	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	NV	-20	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	NV	-10	0.00	0.000000	±NA	PASS

	15MHz	QPSK	18825	75RB#0						
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	NV	0	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	NV	10	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	NV	20	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	NV	30	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	NV	40	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	NV	50	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	NV	-30	30000.00	16.085791	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	NV	-20	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	NV	-10	30000.00	16.085791	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	NV	0	30000.00	16.085791	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	NV	10	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	NV	20	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	NV	30	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	NV	40	30000.00	16.085791	±NA	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	NV	50	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	NV	-30	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	NV	-20	29950.00	15.930851	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	NV	-10	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	NV	0	-29950.00	-15.930851	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	NV	10	0.00	0.000000	±NA	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	NV	20	0.00	0.000000	±NA	PASS

2-2	15MHz- 15MHz	QPSK- QPSK	18825- 18975	75RB#0- 75RB#0	NV	30	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	QPSK- QPSK	18825- 18975	75RB#0- 75RB#0	NV	40	29950.00	15.930851	±NA	PASS
2-2	15MHz- 15MHz	QPSK- QPSK	18825- 18975	75RB#0- 75RB#0	NV	50	-29950.00	-15.930851	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18825- 18975	75RB#0- 75RB#0	NV	-30	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18825- 18975	75RB#0- 75RB#0	NV	-20	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18825- 18975	75RB#0- 75RB#0	NV	-10	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18825- 18975	75RB#0- 75RB#0	NV	0	29950.00	15.930851	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18825- 18975	75RB#0- 75RB#0	NV	10	29950.00	15.930851	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18825- 18975	75RB#0- 75RB#0	NV	20	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18825- 18975	75RB#0- 75RB#0	NV	30	29950.00	15.930851	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18825- 18975	75RB#0- 75RB#0	NV	40	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18825- 18975	75RB#0- 75RB#0	NV	50	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	QPSK- QPSK	18975- 19125	75RB#0- 75RB#0	NV	-30	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	QPSK- QPSK	18975- 19125	75RB#0- 75RB#0	NV	-20	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	QPSK- QPSK	18975- 19125	75RB#0- 75RB#0	NV	-10	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	QPSK- QPSK	18975- 19125	75RB#0- 75RB#0	NV	0	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	QPSK- QPSK	18975- 19125	75RB#0- 75RB#0	NV	10	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	QPSK- QPSK	18975- 19125	75RB#0- 75RB#0	NV	20	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	QPSK- QPSK	18975- 19125	75RB#0- 75RB#0	NV	30	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	QPSK- QPSK	18975- 19125	75RB#0- 75RB#0	NV	40	-30000.00	-15.831135	±NA	PASS
2-2	15MHz- 15MHz	QPSK- QPSK	18975- 19125	75RB#0- 75RB#0	NV	50	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 18975	75RB#0- 75RB#0	NV	-30	0.00	0.000000	±NA	PASS

	15MHz	16QAM	19125	75RB#0						
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 19125	75RB#0- 75RB#0	NV	-20	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 19125	75RB#0- 75RB#0	NV	-10	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 19125	75RB#0- 75RB#0	NV	0	-30000.00	-15.831135	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 19125	75RB#0- 75RB#0	NV	10	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 19125	75RB#0- 75RB#0	NV	20	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 19125	75RB#0- 75RB#0	NV	30	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 19125	75RB#0- 75RB#0	NV	40	0.00	0.000000	±NA	PASS
2-2	15MHz- 15MHz	16QAM- 16QAM	18975- 19125	75RB#0- 75RB#0	NV	50	0.00	0.000000	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	NV	-30	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	NV	-20	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	NV	-10	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	NV	0	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	NV	10	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	NV	20	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	NV	30	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	NV	40	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18678- 18849	75RB#0- 100RB#0	NV	50	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18678- 18849	75RB#0- 100RB#0	NV	-30	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18678- 18849	75RB#0- 100RB#0	NV	-20	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18678- 18849	75RB#0- 100RB#0	NV	-10	-139900.00	-74.908974	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18678- 18849	75RB#0- 100RB#0	NV	0	-139900.00	-74.908974	±NA	PASS

2-2	15MHz-20MHz	16QAM-16QAM	18678-18849	75RB#0-100RB#0	NV	10	-139900.00	-74.908974	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18678-18849	75RB#0-100RB#0	NV	20	-139900.00	-74.908974	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18678-18849	75RB#0-100RB#0	NV	30	-139900.00	-74.908974	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18678-18849	75RB#0-100RB#0	NV	40	-139900.00	-74.908974	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18678-18849	75RB#0-100RB#0	NV	50	-139900.00	-74.908974	±NA	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	NV	-30	-174850.00	-93.000372	±NA	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	NV	-20	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	NV	-10	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	NV	0	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	NV	10	-174850.00	-93.000372	±NA	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	NV	20	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	NV	30	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	NV	40	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	NV	50	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	75RB#0-100RB#0	NV	-30	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	75RB#0-100RB#0	NV	-20	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	75RB#0-100RB#0	NV	-10	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	75RB#0-100RB#0	NV	0	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	75RB#0-100RB#0	NV	10	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	75RB#0-100RB#0	NV	20	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	75RB#0-100RB#0	NV	30	-139900.00	-74.410936	±NA	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	75RB#0-100RB#0	NV	40	-139900.00	-74.410936	±NA	PASS

	20MHz	16QAM	18974	100RB#0						
2-2	15MHz- 20MHz	16QAM- 16QAM	18803- 18974	75RB#0- 100RB#0	NV	50	-139900.00	-74.410936	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	NV	-30	-139900.00	-73.915570	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	NV	-20	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	NV	-10	-139900.00	-73.915570	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	NV	0	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	NV	10	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	NV	20	-139900.00	-73.915570	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	NV	30	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	NV	40	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	QPSK- QPSK	18929- 19100	75RB#0- 100RB#0	NV	50	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	NV	-30	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	NV	-20	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	NV	-10	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	NV	0	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	NV	10	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	NV	20	-209800.00	110.84693 8	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	NV	30	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	NV	40	-174850.00	-92.381254	±NA	PASS
2-2	15MHz- 20MHz	16QAM- 16QAM	18929- 19100	75RB#0- 100RB#0	NV	50	-174850.00	-92.381254	±NA	PASS
2-2	20MHz- 5MHz	QPSK- QPSK	18700- 18817	100RB#0- 25RB#0	NV	-30	474500.00	254.81982 7	±NA	PASS
2-2	20MHz-	QPSK-	18700-	100RB#0-	NV	-20	474500.00	254.81982	±NA	PASS

	5MHz	QPSK	18817	25RB#0				7		
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	NV	-10	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	NV	0	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	NV	10	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	NV	20	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	NV	30	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	NV	40	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	NV	50	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	NV	-30	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	NV	-20	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	NV	-10	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	NV	0	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	NV	10	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	NV	20	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	NV	30	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	NV	40	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	NV	50	474500.00	254.819827	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	NV	-30	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	NV	-20	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	NV	-10	474500.00	252.447329	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	NV	0	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	NV	10	449550.00	239.173228	±NA	PASS

2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	NV	20	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	NV	30	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	NV	40	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	NV	50	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	NV	-30	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	NV	-20	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	NV	-10	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	NV	0	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	NV	10	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	NV	20	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	NV	30	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	NV	40	474500.00	252.447329	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	NV	50	449550.00	239.173228	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	NV	-30	449550.00	236.966950	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	NV	-20	449550.00	236.966950	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	NV	-10	449550.00	236.966950	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	NV	0	449550.00	236.966950	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	NV	10	449550.00	236.966950	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	NV	20	449550.00	236.966950	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	NV	30	449550.00	236.966950	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	NV	40	449550.00	236.966950	±NA	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	NV	50	449550.00	236.966950	±NA	PASS

	5MHz	QPSK	19167	25RB#0				0		
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	NV	-30	474500.00	250.118602	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	NV	-20	474500.00	250.118602	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	NV	-10	474500.00	250.118602	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	NV	0	474500.00	250.118602	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	NV	10	474500.00	250.118602	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	NV	20	474500.00	250.118602	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	NV	30	474500.00	250.118602	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	NV	40	449550.00	236.966950	±NA	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	NV	50	474500.00	250.118602	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	NV	-30	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	NV	-20	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	NV	-10	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	NV	0	329700.00	176.811283	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	NV	10	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	NV	20	329650.00	176.784469	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	NV	30	329700.00	176.811283	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	NV	40	329700.00	176.811283	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	NV	50	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	NV	-30	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	NV	-20	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	NV	-10	329700.00	176.811283	±NA	PASS

2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	NV	0	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	NV	10	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	NV	20	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	NV	30	299700.00	160.722904	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	NV	40	329700.00	176.811283	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	NV	50	329700.00	176.811283	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	NV	-30	329650.00	175.364400	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	NV	-20	299700.00	159.431854	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	NV	-10	299700.00	159.431854	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	NV	0	299700.00	159.431854	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	NV	10	269750.00	143.499308	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	NV	20	329650.00	175.364400	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	NV	30	299700.00	159.431854	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	NV	40	269750.00	143.499308	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	NV	50	299700.00	159.431854	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	NV	-30	299700.00	159.431854	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	NV	-20	299700.00	159.431854	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	NV	-10	269750.00	143.499308	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	NV	0	299700.00	159.431854	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	NV	10	269750.00	143.499308	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	NV	20	269750.00	143.499308	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	NV	30	299700.00	159.431854	±NA	PASS

	10MHz	16QAM	18995	50RB#0				4		
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	NV	40	269750.00	143.499308	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	NV	50	269750.00	143.499308	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	NV	-30	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	NV	-20	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	NV	-10	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	NV	0	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	NV	10	329650.00	173.976145	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	NV	20	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	NV	30	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	NV	40	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	NV	50	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	NV	-30	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	NV	-20	269750.00	142.363310	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	NV	-10	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	NV	0	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	NV	10	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	NV	20	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	NV	30	269750.00	142.363310	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	NV	40	299700.00	158.169728	±NA	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	NV	50	299700.00	158.169728	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	NV	-30	209800.00	112.354737	±NA	PASS

2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	NV	-20	174850.00	93.637873	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	NV	-10	209800.00	112.354737	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	NV	0	174850.00	93.637873	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	NV	10	139900.00	74.921009	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	NV	20	139900.00	74.921009	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	NV	30	139900.00	74.921009	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	NV	40	139900.00	74.921009	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	NV	50	139900.00	74.921009	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	NV	-30	139900.00	74.921009	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	NV	-20	174850.00	93.637873	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	NV	-10	139900.00	74.921009	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	NV	0	174850.00	93.637873	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	NV	10	174850.00	93.637873	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	NV	20	174850.00	93.637873	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	NV	30	174850.00	93.637873	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	NV	40	139900.00	74.921009	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	NV	50	174850.00	93.637873	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	NV	-30	174850.00	93.010267	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	NV	-20	174850.00	93.010267	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	NV	-10	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	NV	0	174850.00	93.010267	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	NV	10	174850.00	93.010267	±NA	PASS

	15MHz	QPSK	18997	75RB#0						
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	NV	20	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	NV	30	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	NV	40	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	NV	50	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	NV	-30	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	NV	-20	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	NV	-10	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	NV	0	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	NV	10	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	NV	20	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	NV	30	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	NV	40	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	NV	50	139900.00	74.418852	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	NV	-30	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	NV	-20	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	NV	-10	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	NV	0	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	NV	10	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	NV	20	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	NV	30	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	NV	40	139900.00	73.927288	±NA	PASS

2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	NV	50	104900.00	55.432255	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	NV	-30	104900.00	55.432255	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	NV	-20	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	NV	-10	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	NV	0	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	NV	10	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	NV	20	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	NV	30	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	NV	40	139900.00	73.927288	±NA	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	NV	50	104900.00	55.432255	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	NV	-30	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	NV	-20	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	NV	-10	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	NV	0	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	NV	10	39950.00	21.364779	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	NV	20	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	NV	30	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	NV	40	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	NV	50	0.00	0.000000	±NA	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	100RB#0-100RB#0	NV	-30	39950.00	21.364779	±NA	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	100RB#0-100RB#0	NV	-20	39950.00	21.364779	±NA	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	100RB#0-100RB#0	NV	-10	39950.00	21.364779	±NA	PASS

	20MHz	16QAM	18898	100RB#0						
2-2	20MHz- 20MHz	16QAM- 16QAM	18700- 18898	100RB#0- 100RB#0	NV	0	39950.00	21.364779	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18700- 18898	100RB#0- 100RB#0	NV	10	39950.00	21.364779	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18700- 18898	100RB#0- 100RB#0	NV	20	39950.00	21.364779	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18700- 18898	100RB#0- 100RB#0	NV	30	39950.00	21.364779	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18700- 18898	100RB#0- 100RB#0	NV	40	39950.00	21.364779	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18700- 18898	100RB#0- 100RB#0	NV	50	39950.00	21.364779	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18801- 18999	100RB#0- 100RB#0	NV	-30	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18801- 18999	100RB#0- 100RB#0	NV	-20	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18801- 18999	100RB#0- 100RB#0	NV	-10	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18801- 18999	100RB#0- 100RB#0	NV	0	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18801- 18999	100RB#0- 100RB#0	NV	10	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18801- 18999	100RB#0- 100RB#0	NV	20	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18801- 18999	100RB#0- 100RB#0	NV	30	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18801- 18999	100RB#0- 100RB#0	NV	40	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18801- 18999	100RB#0- 100RB#0	NV	50	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18801- 18999	100RB#0- 100RB#0	NV	-30	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18801- 18999	100RB#0- 100RB#0	NV	-20	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18801- 18999	100RB#0- 100RB#0	NV	-10	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18801- 18999	100RB#0- 100RB#0	NV	0	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18801- 18999	100RB#0- 100RB#0	NV	10	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18801- 18999	100RB#0- 100RB#0	NV	20	0.00	0.000000	±NA	PASS

2-2	20MHz- 20MHz	16QAM- 16QAM	18801- 18999	100RB#0- 100RB#0	NV	30	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18801- 18999	100RB#0- 100RB#0	NV	40	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18801- 18999	100RB#0- 100RB#0	NV	50	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18902- 19100	100RB#0- 100RB#0	NV	-30	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18902- 19100	100RB#0- 100RB#0	NV	-20	-39950.00	-21.136448	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18902- 19100	100RB#0- 100RB#0	NV	-10	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18902- 19100	100RB#0- 100RB#0	NV	0	-39950.00	-21.136448	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18902- 19100	100RB#0- 100RB#0	NV	10	-79900.00	-42.272896	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18902- 19100	100RB#0- 100RB#0	NV	20	-39950.00	-21.136448	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18902- 19100	100RB#0- 100RB#0	NV	30	-39950.00	-21.136448	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18902- 19100	100RB#0- 100RB#0	NV	40	-79900.00	-42.272896	±NA	PASS
2-2	20MHz- 20MHz	QPSK- QPSK	18902- 19100	100RB#0- 100RB#0	NV	50	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18902- 19100	100RB#0- 100RB#0	NV	-30	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18902- 19100	100RB#0- 100RB#0	NV	-20	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18902- 19100	100RB#0- 100RB#0	NV	-10	-39950.00	-21.136448	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18902- 19100	100RB#0- 100RB#0	NV	0	-39950.00	-21.136448	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18902- 19100	100RB#0- 100RB#0	NV	10	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18902- 19100	100RB#0- 100RB#0	NV	20	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18902- 19100	100RB#0- 100RB#0	NV	30	0.00	0.000000	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18902- 19100	100RB#0- 100RB#0	NV	40	-39950.00	-21.136448	±NA	PASS
2-2	20MHz- 20MHz	16QAM- 16QAM	18902- 19100	100RB#0- 100RB#0	NV	50	-39950.00	-21.136448	±NA	PASS