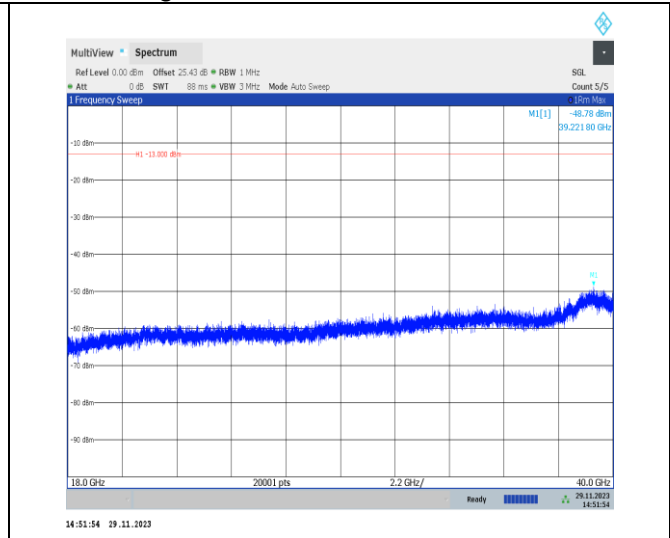
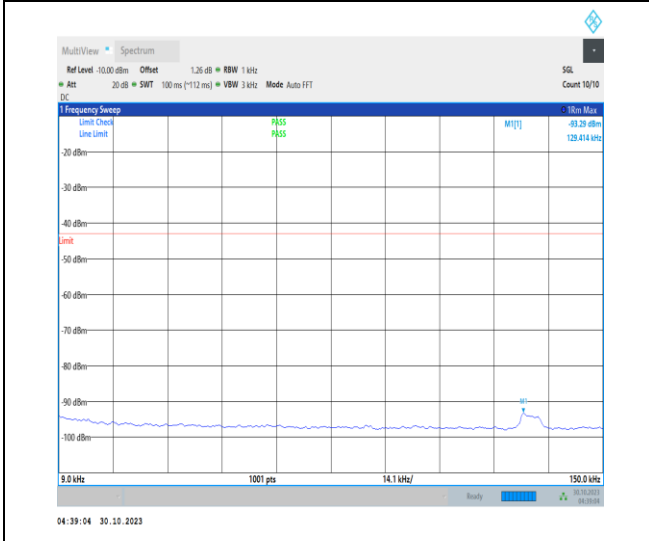


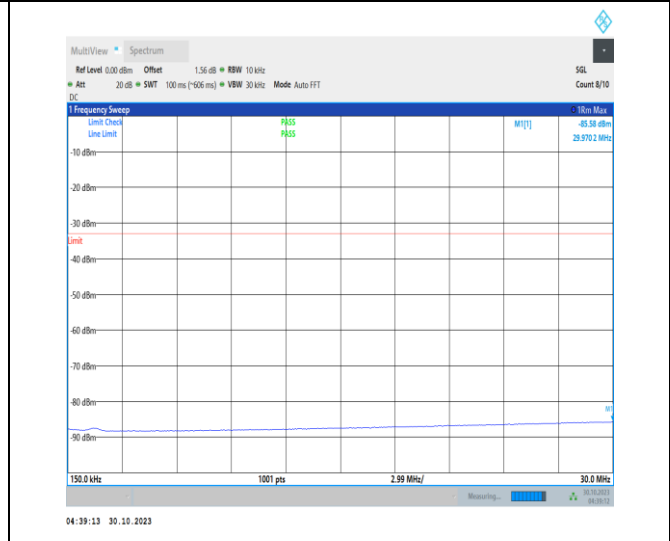
1-N77-3450-3550-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant2-6902.40--40.58--1 3-PASS



1-N77-3450-3550-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant2-18000.00--56.19--1 3-PASS



1-N77-3450-3550-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant2-0.13--93.29--43-PASS



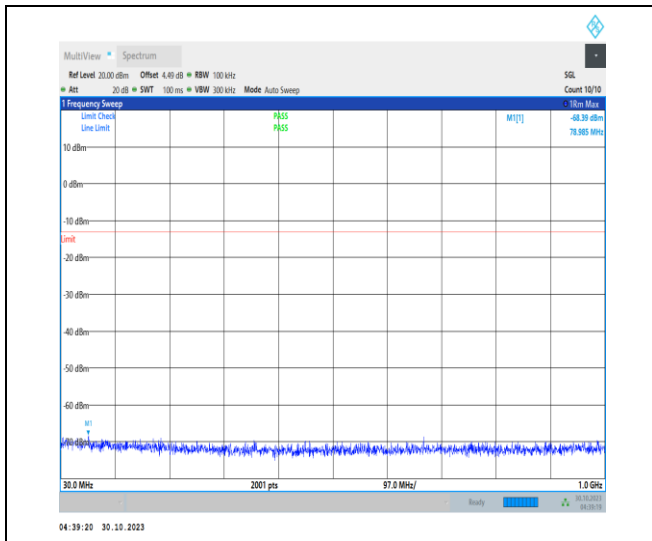
1-N77-3450-3550-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant2-29.97--85.58--33-PASS



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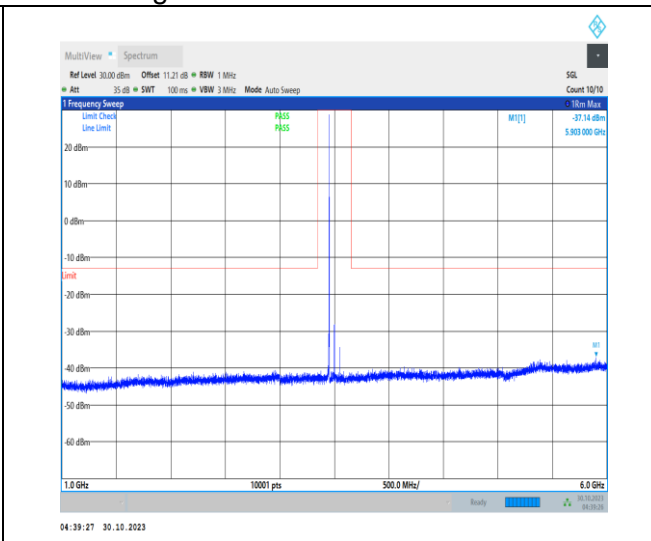
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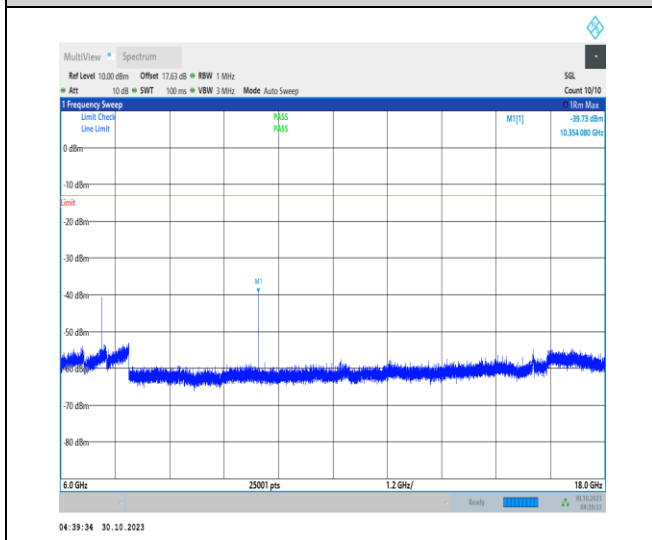
1-N77-3450-3550-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant2-78.99--68.39--13-PAS

S



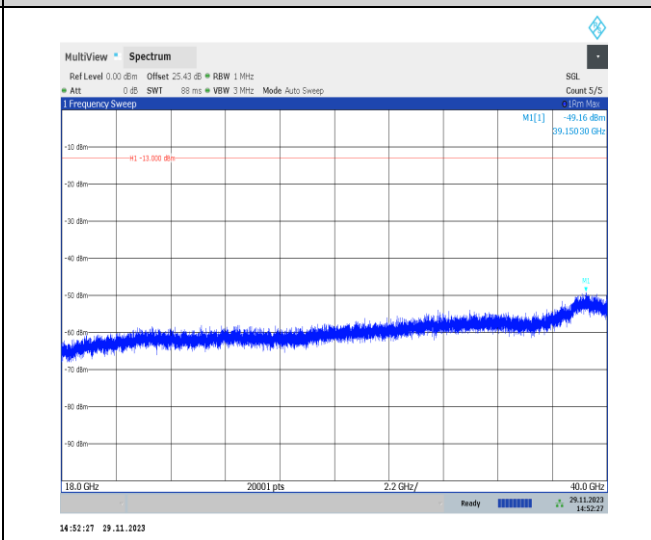
1-N77-3450-3550-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant2-5903.00--37.14--13-PASS

PASS



1-N77-3450-3550-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant2-10354.08--39.73--13-PASS

13-PASS



1-N77-3450-3550-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant2-18000.00--56.13--13-PASS

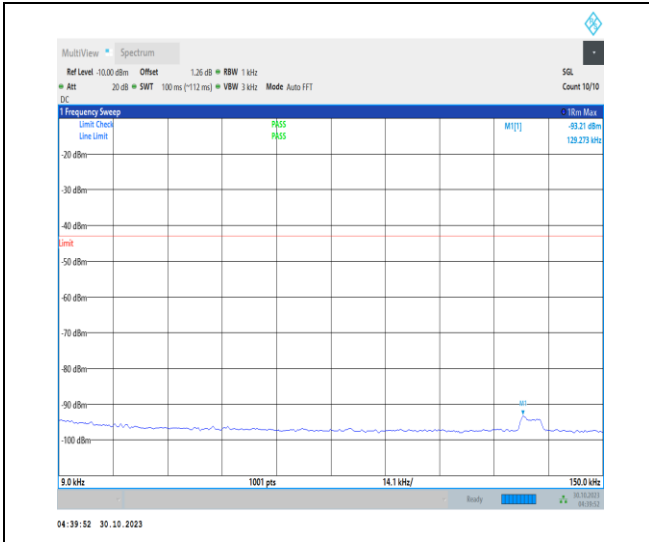
13-PASS



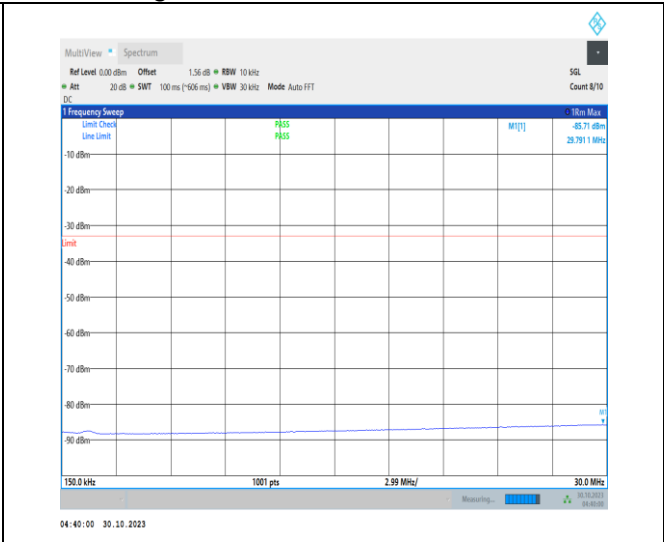
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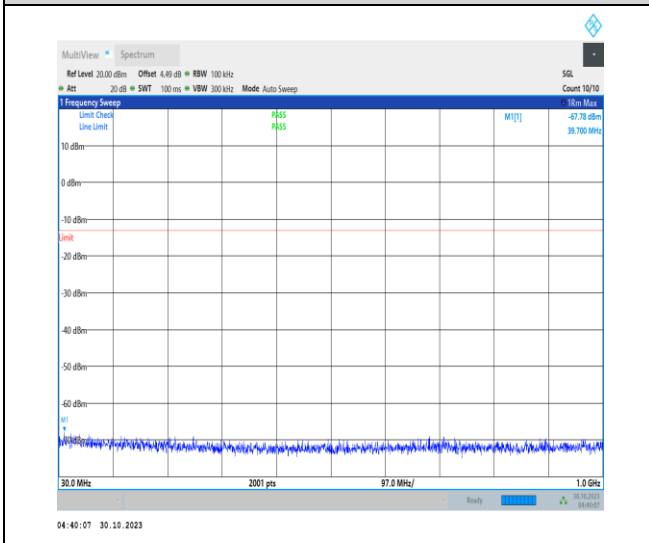
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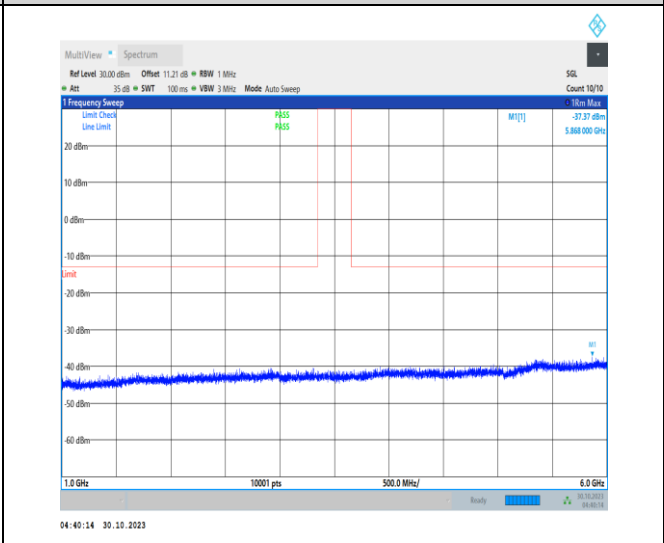
1-N77-3450-3550-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant2-0.13--93.21--43-PA SS



1-N77-3450-3550-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant2-29.79--85.71--33-PASS



1-N77-3450-3550-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant2-39.70--67.78--13-PAS S



1-N77-3450-3550-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant2-5868.00--37.37--13-P ASS



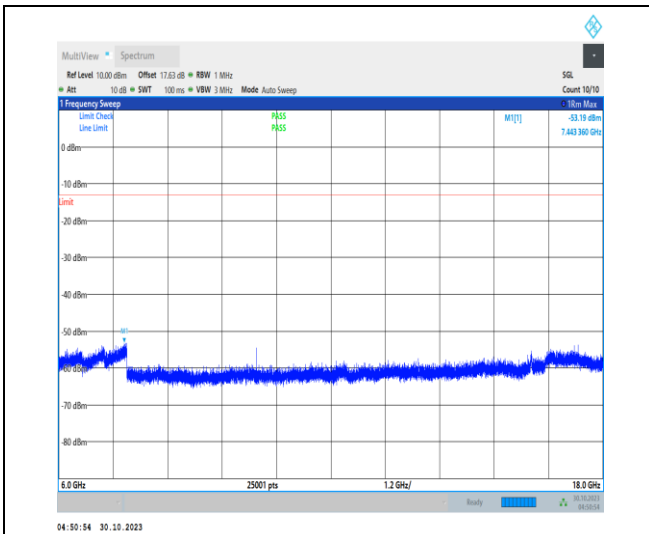
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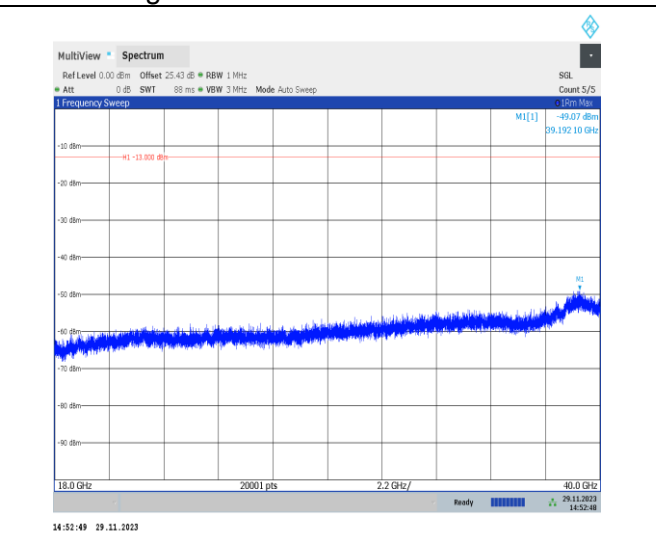
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1-N77-3450-3550-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant2-7443.36--53.19--1
3-PASS



1-N77-3450-3550-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant2-18000.00--56.42--1
3-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band77_ TM1

Test Channel = Mid 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7857.575	39.69	-42.67	36.74	-61.50	-13.00	48.50	Horizontal
2	8843.7	37.91	-41.04	36.38	-62.01	-13.00	49.01	Horizontal
3	10512.35	34.56	-38.67	38.46	-60.91	-13.00	47.91	Horizontal
4	11156.925	33.01	-37.10	38.72	-60.63	-13.00	47.63	Horizontal
5	13394.25	30.09	-36.12	39.81	-61.48	-13.00	48.48	Horizontal
6	13974.425	30.26	-34.98	40.85	-59.13	-13.00	46.13	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8069.75	38.10	-41.58	36.77	-61.97	-13.00	48.97	Vertical
2	8763.2	38.13	-41.21	36.42	-61.93	-13.00	48.93	Vertical
3	10098.925	35.06	-38.71	38.25	-60.66	-13.00	47.66	Vertical
4	11022.95	32.90	-37.63	38.70	-61.28	-13.00	48.28	Vertical
5	13451.75	30.25	-36.37	39.91	-61.47	-13.00	48.47	Vertical
6	14835.775	29.64	-35.05	41.23	-59.43	-13.00	46.43	Vertical



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Test Band = NSA 2A_N77A_TM1

Test Channel = Mid 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8248	38.48	-42.02	36.68	-62.12	-13.00	49.12	Horizontal
2	9227.225	36.49	-39.98	36.73	-62.02	-13.00	49.02	Horizontal
3	10082.25	33.96	-38.82	38.24	-61.88	-13.00	48.88	Horizontal
4	11480.65	30.99	-36.70	38.75	-62.23	-13.00	49.23	Horizontal
5	12814.65	31.05	-36.66	39.04	-61.82	-13.00	48.82	Horizontal
6	14316.55	29.87	-35.73	41.03	-60.09	-13.00	47.09	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7639.075	39.28	-42.82	36.66	-62.15	-13.00	49.15	Vertical
2	8690.175	38.17	-41.30	36.45	-61.93	-13.00	48.93	Vertical
3	10338.125	34.62	-38.87	38.37	-61.15	-13.00	48.15	Vertical
4	10531.9	33.70	-38.52	38.47	-61.61	-13.00	48.61	Vertical
5	12220.1	31.36	-37.02	38.87	-62.05	-13.00	49.05	Vertical
6	13647.825	30.62	-36.02	40.27	-60.39	-13.00	47.39	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-8.400000	-0.002365	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-15.400000	-0.004400	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-6.100000	-0.001743	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	VH	NT	-15.700000	-0.004486	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	-35.800000	-0.010229	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	VL	NT	-29.100000	-0.008314	PASS



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Report No.: SEWA2310000127RG02

Rev.: 01

Page: 52 of 52

Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-22.600000	-0.006457	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-21.900000	-0.006257	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-8.000000	-0.002286	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-12.300000	-0.002358	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-17.500000	-0.005000	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-20.900000	-0.005971	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-27.800000	-0.007943	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-22.200000	-0.006343	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-16.400000	-0.005362	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-30	-20.800000	-0.005943	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-20	-15.700000	-0.004486	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-10	-12.300000	-0.004253	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	0	-9.500000	-0.002714	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	10	-17.900000	-0.005114	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	20	-14.800000	-0.004229	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	30	-30.500000	-0.008714	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	40	-13.500000	-0.003263	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	50	-21.100000	-0.006029	PASS

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