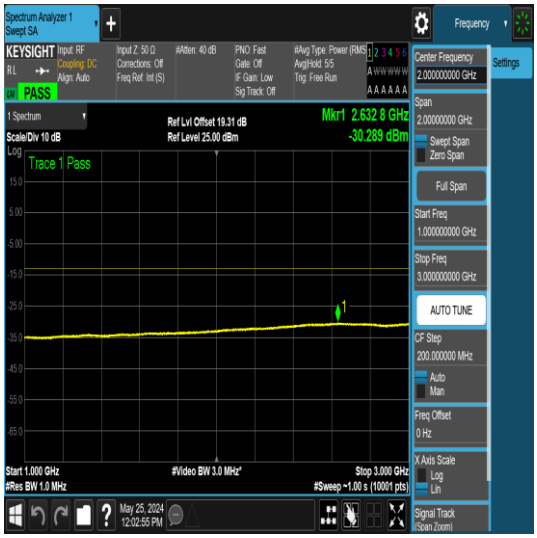

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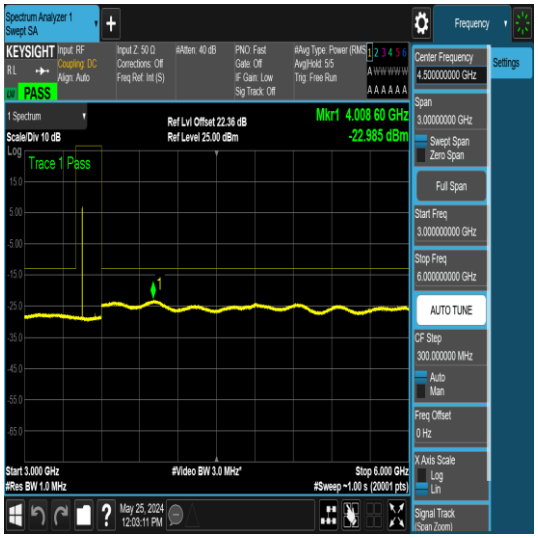

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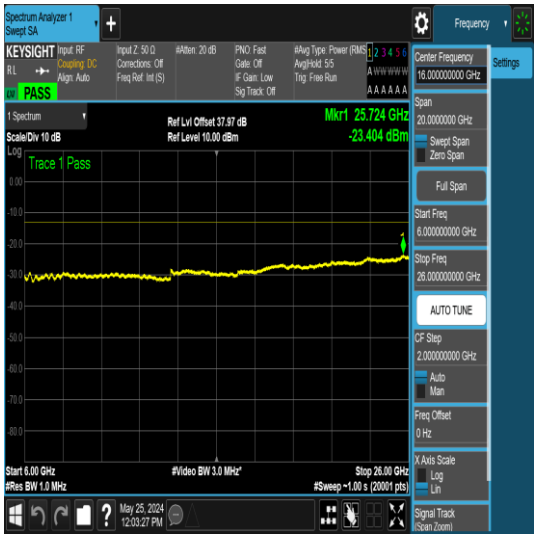

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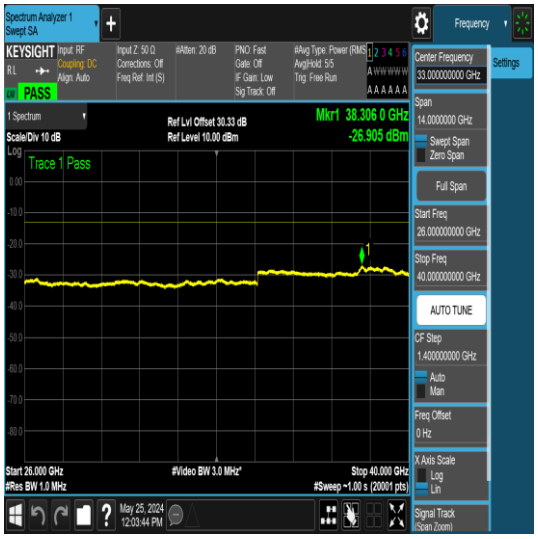

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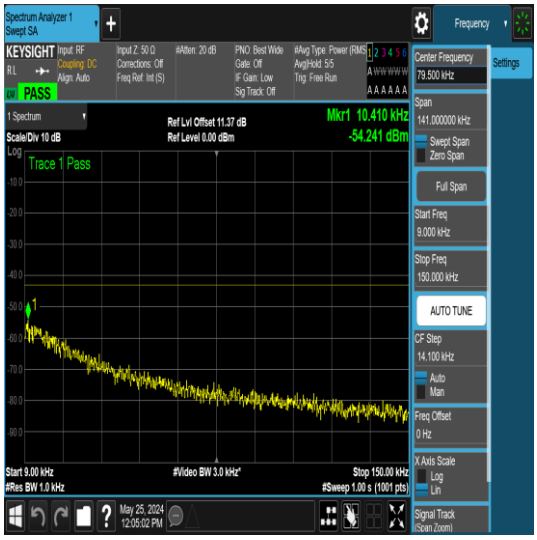

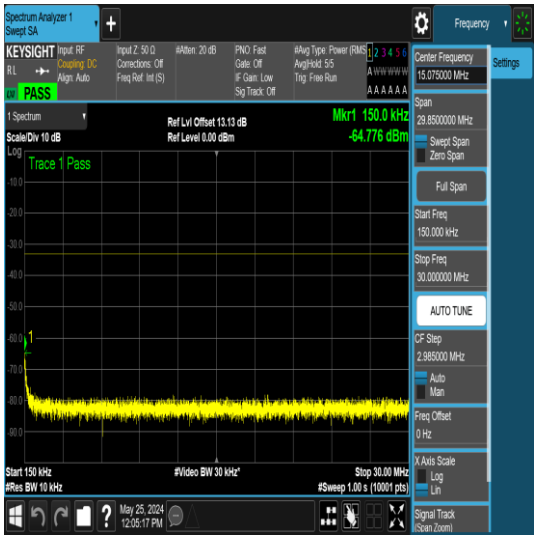

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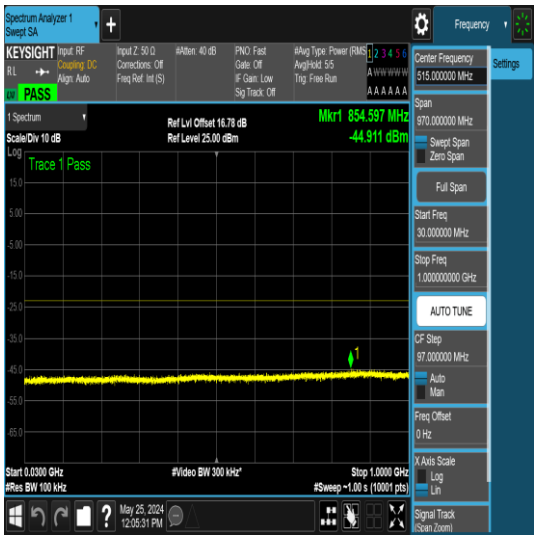	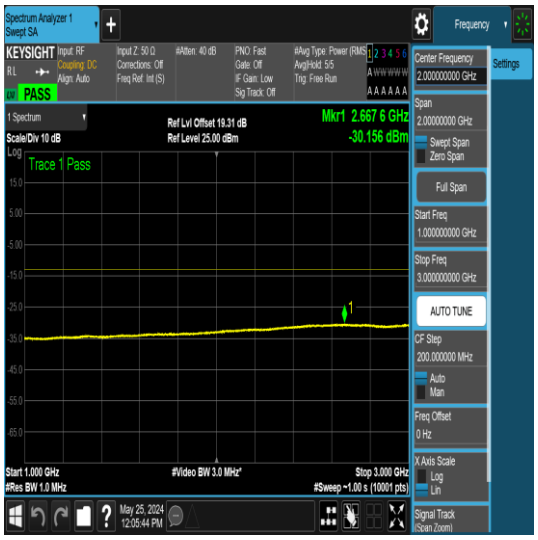
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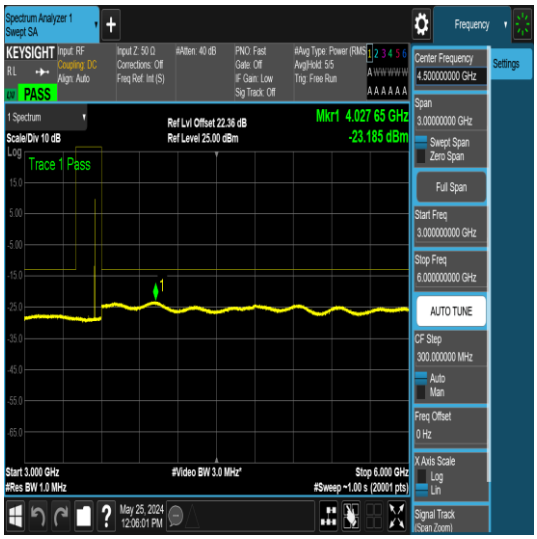	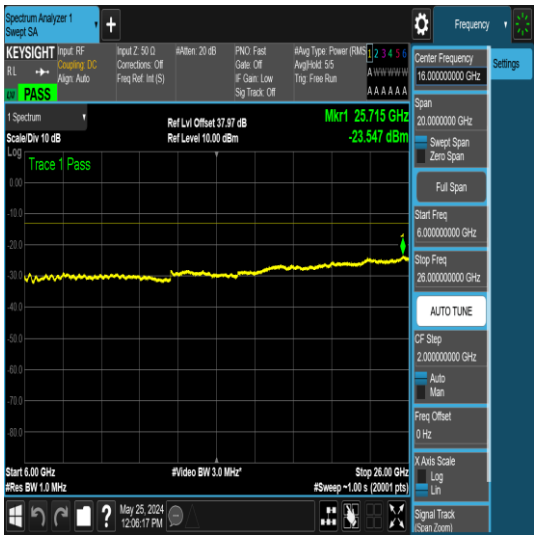
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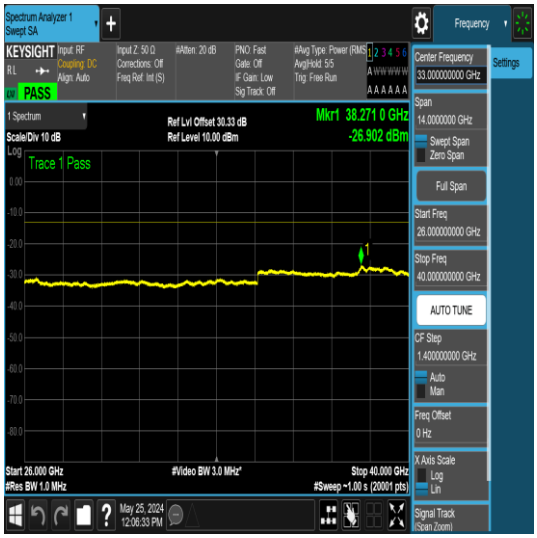

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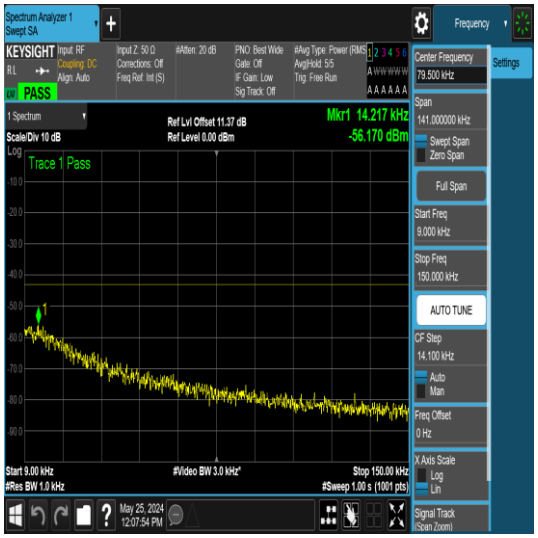

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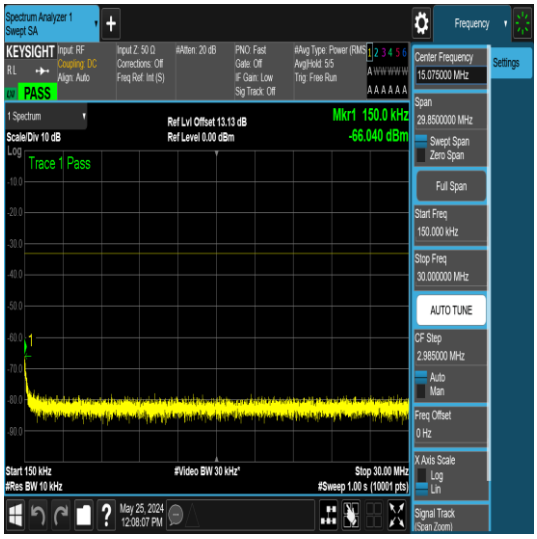

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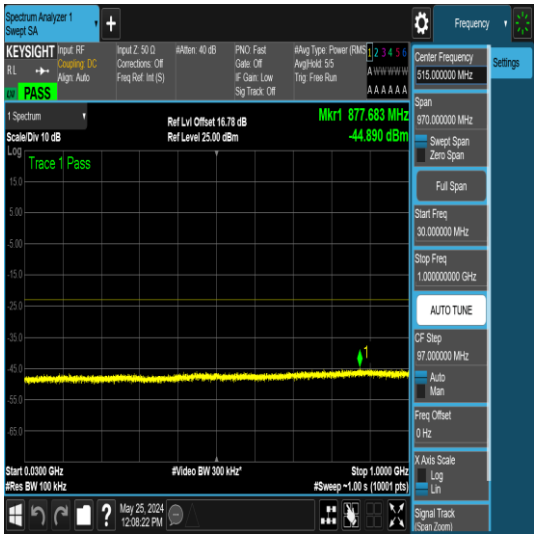

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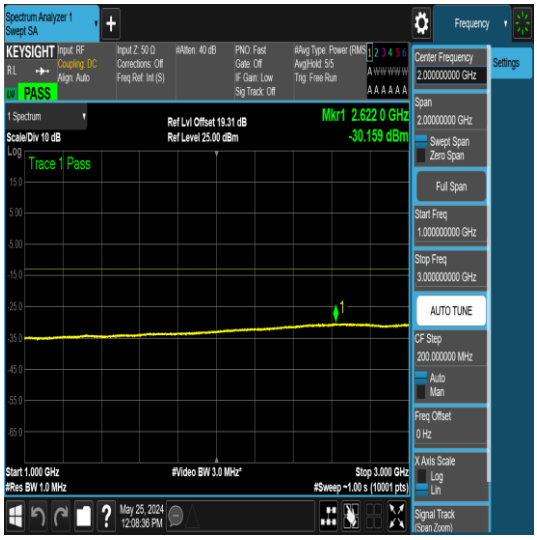

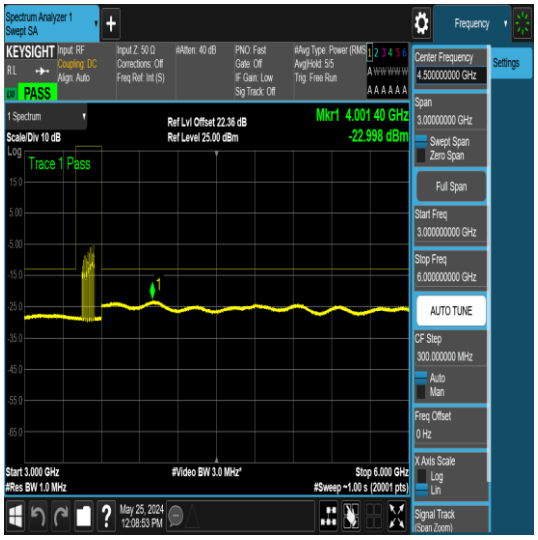

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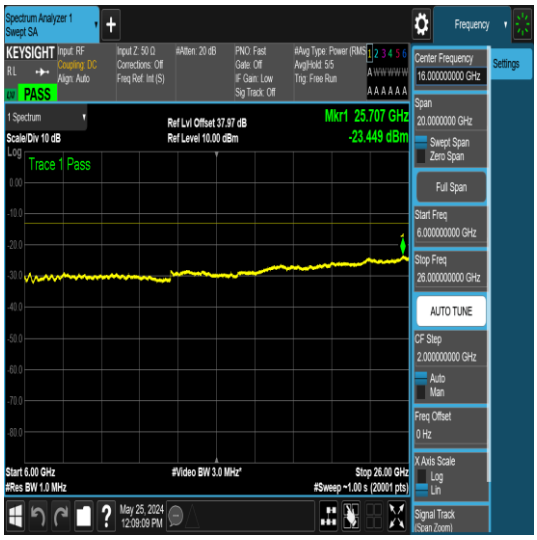	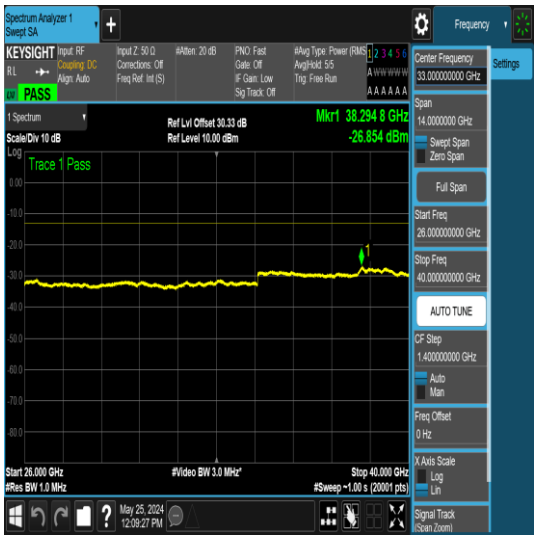
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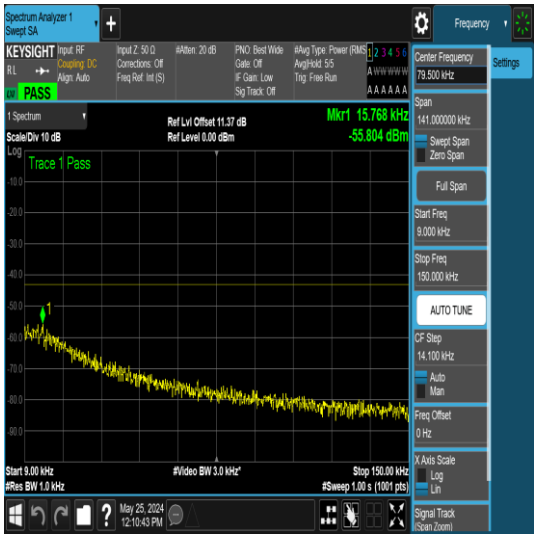	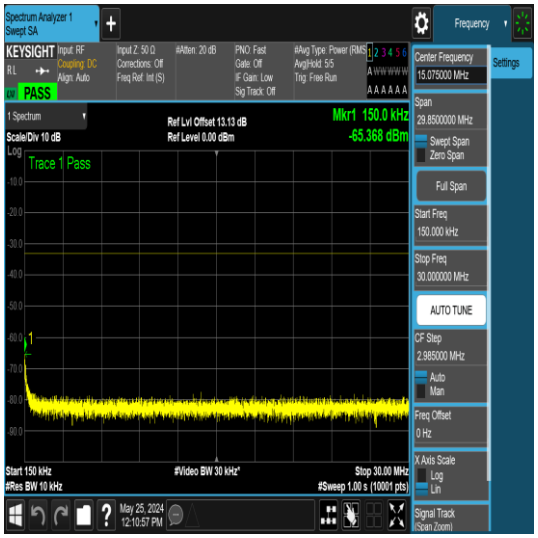
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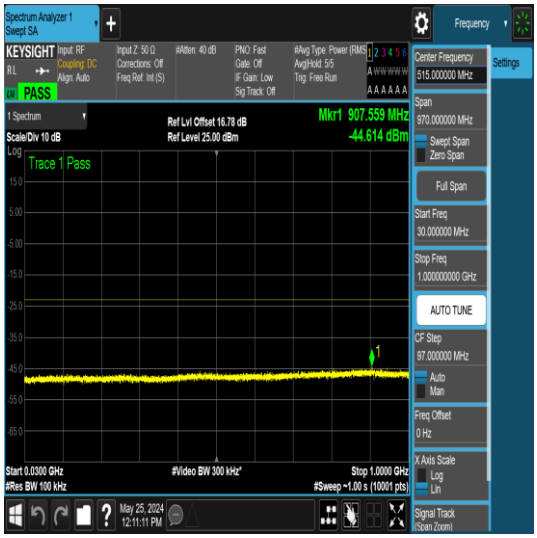

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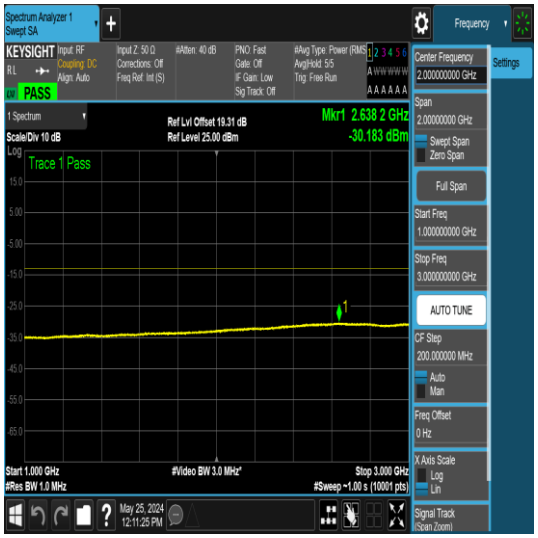

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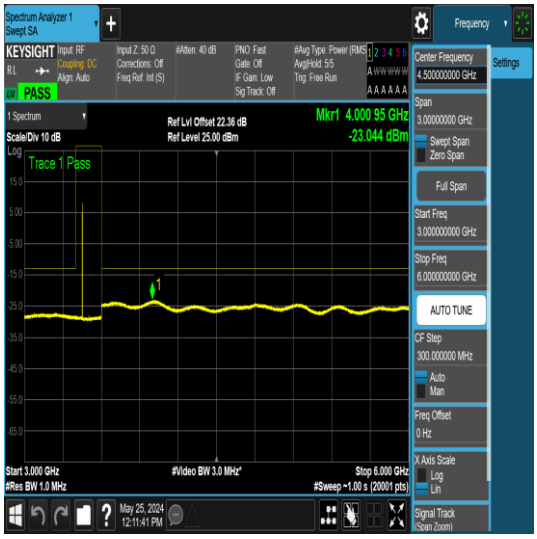

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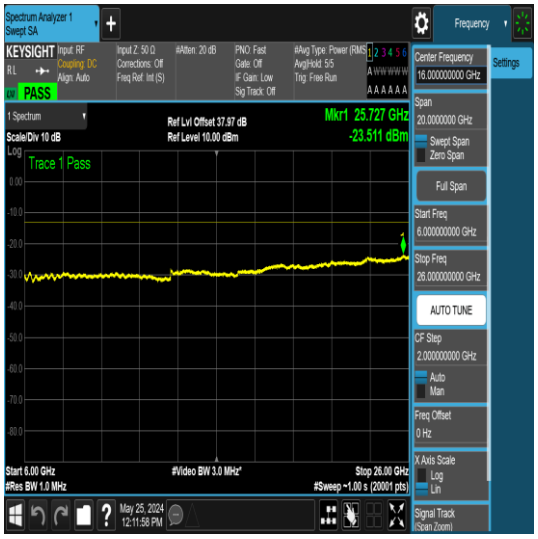

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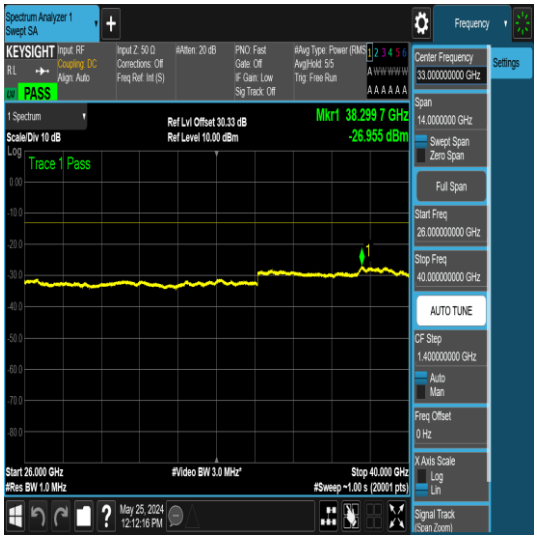

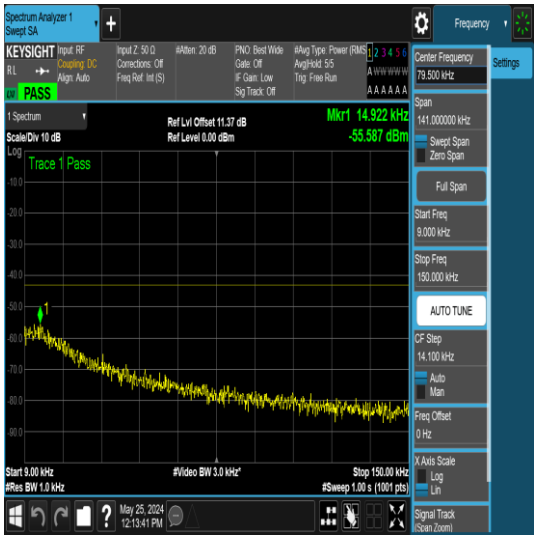

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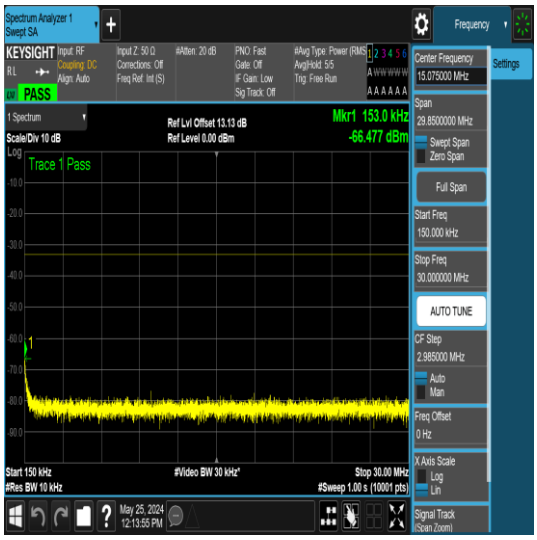	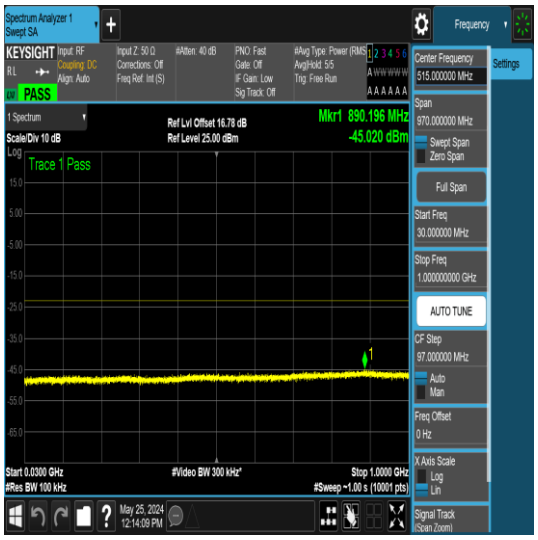
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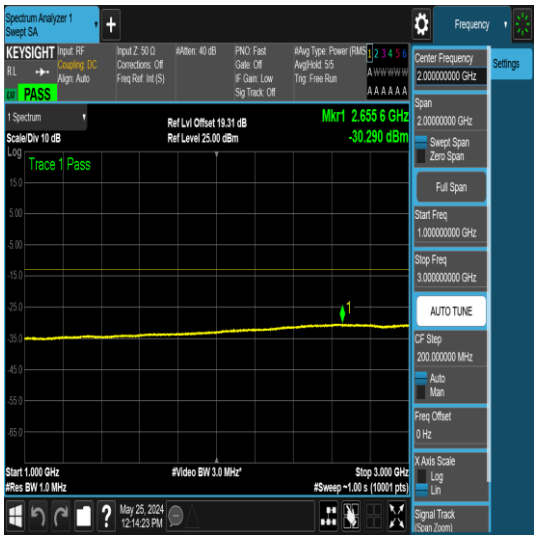	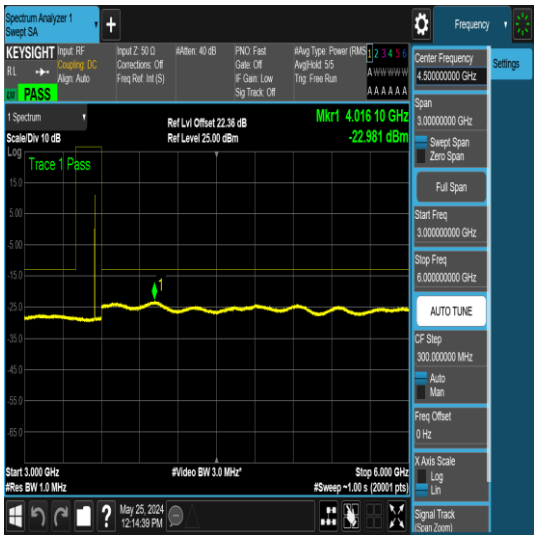
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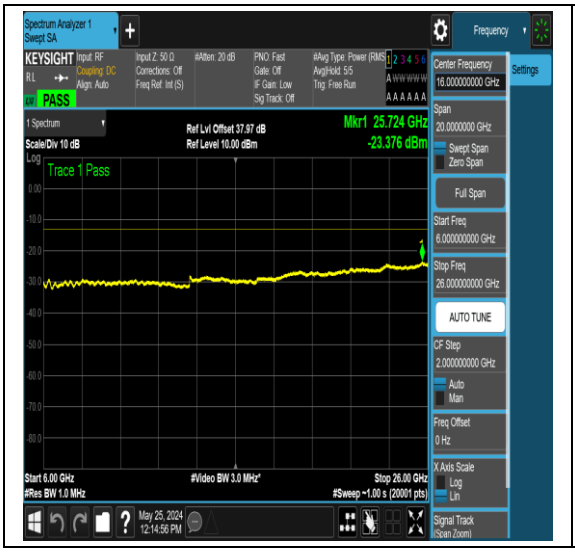
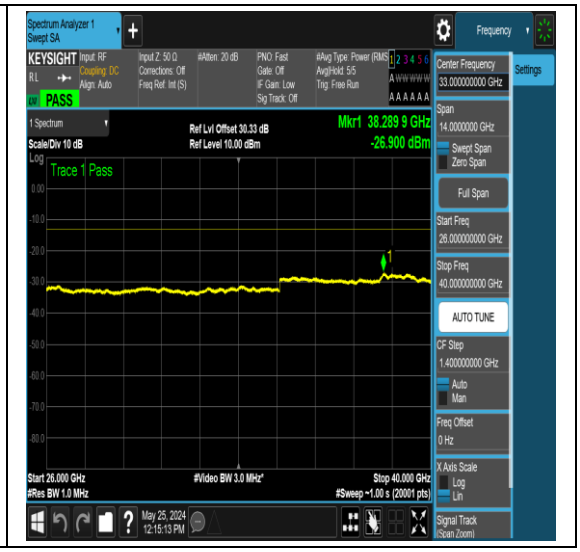

Spectrum Analyzer 1
Swept SA
KEYSIGHT
PASS
Frequency
Settings
Center Frequency
16.000000000 GHz
Span
20.0000000 GHz
Swept Span
Zero Span
Full Span
Start Freq
6.000000000 GHz
Stop Freq
26.000000000 GHz
AUTO TUNE
CF Step
2.000000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
1 Spectrum
Scale/Div 10 dB
Ref Lvl Offset 37.97 dB
Ref Level 10.00 dBm
Mkr1 25.724 GHz
-23.376 dBm
Trace 1 Pass
Start 6.00 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 26.00 GHz
#Sweep ~1.00 s (20001 pts)
May 25, 2024
12:14:56 PM


Spectrum Analyzer 1
Swept SA
KEYSIGHT
PASS
Frequency
Settings
Center Frequency
33.000000000 GHz
Span
14.0000000 GHz
Swept Span
Zero Span
Full Span
Start Freq
26.000000000 GHz
Stop Freq
40.000000000 GHz
AUTO TUNE
CF Step
1.400000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
1 Spectrum
Scale/Div 10 dB
Ref Lvl Offset 30.33 dB
Ref Level 10.00 dBm
Mkr1 38.289 9 GHz
-26.900 dBm
Trace 1 Pass
Start 26.000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 40.000 GHz
#Sweep ~1.00 s (20001 pts)
May 25, 2024
12:15:13 PM

Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	-8.56	0.00	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	1.17	0.00	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	-4.69	0.00	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	4.57	0.00	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	4.87	0.00	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	-1.30	0.00	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+M	Outer_Full	VL	NT	1.16	0.00	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+M	Outer_Full	VN	NT	-45.70	-0.01	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+M	Outer_Full	VH	NT	3.00	0.00	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+M	Outer_Full	VL	NT	3.23	0.00	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+M	Outer_Full	VN	NT	-1.98	0.00	PASS
DC_5A_	30	5+10	DFT-16QAM	M+M	Outer_Full	VH	NT	5.93	0.00	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	VL	NT	-10.48	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	VN	NT	0.79	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	VH	NT	0.30	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+10	DFT-16QAM	M+H	Outer_Full	VL	NT	-8.07	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+10	DFT-16QAM	M+H	Outer_Full	VN	NT	-1.82	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+10	DFT-16QAM	M+H	Outer_Full	VH	NT	-9.59	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	VL	NT	-12.14	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	VN	NT	-42.58	-0.01	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	VH	NT	-8.60	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-16QAM	M+L	Outer_Full	VL	NT	-8.20	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-16QAM	M+L	Outer_Full	VN	NT	-6.16	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-16QAM	M+L	Outer_Full	VH	NT	-44.80	-0.01	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-QPSK	M+M	Outer_Full	VL	NT	1.51	0.00	PASS
DC_5A_	30	5+15	DFT-QPSK	M+M	Outer_Full	VN	NT	-0.16	0.00	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+15	DFT-QPSK	M+M	Outer_Full	VH	NT	-9.55	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	VL	NT	-5.84	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	VN	NT	-13.23	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	VH	NT	6.74	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-QPSK	M+H	Outer_Full	VL	NT	-7.10	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-QPSK	M+H	Outer_Full	VN	NT	-14.24	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-QPSK	M+H	Outer_Full	VH	NT	-12.64	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-16QAM	M+H	Outer_Full	VL	NT	1.18	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-16QAM	M+H	Outer_Full	VN	NT	-1.13	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+15	DFT-16QAM	M+H	Outer_Full	VH	NT	-14.22	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	VL	NT	-1.64	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	VN	NT	-3.26	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	VH	NT	-3.69	0.00	PASS
DC_5A_	30	5+20	DFT-16QAM	M+L	Outer_Full	VL	NT	5.88	0.00	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+20	DFT-16QAM	M+L	Outer_Full	VN	NT	-4.39	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-16QAM	M+L	Outer_Full	VH	NT	-3.06	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-QPSK	M+M	Outer_Full	VL	NT	-4.77	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-QPSK	M+M	Outer_Full	VN	NT	-6.92	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-QPSK	M+M	Outer_Full	VH	NT	-41.90	-0.01	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	VL	NT	-9.86	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	VN	NT	-16.42	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	VH	NT	-9.49	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-QPSK	M+H	Outer_Full	VL	NT	-11.68	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-QPSK	M+H	Outer_Full	VN	NT	0.00	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-QPSK	M+H	Outer_Full	VH	NT	-7.85	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-16QAM	M+H	Outer_Full	VL	NT	-9.28	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+20	DFT-16QAM	M+H	Outer_Full	VN	NT	-9.73	0.00	PASS
DC_5A_	30	5+20	DFT-16QAM	M+H	Outer_Full	VH	NT	-19.88	-0.01	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	VL	NT	6.44	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	VN	NT	6.19	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	VH	NT	-9.42	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-16QAM	M+L	Outer_Full	VL	NT	-1.13	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-16QAM	M+L	Outer_Full	VN	NT	-7.13	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-16QAM	M+L	Outer_Full	VH	NT	1.75	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	VL	NT	-0.69	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	VN	NT	-1.18	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	VH	NT	-4.71	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-16QAM	M+M	Outer_Full	VL	NT	-5.66	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-16QAM	M+M	Outer_Full	VN	NT	-9.89	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-16QAM	M+M	Outer_Full	VH	NT	-34.53	-0.01	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-QPSK	M+H	Outer_Full	VL	NT	0.31	0.00	PASS
DC_5A_	30	5+30	DFT-QPSK	M+H	Outer_Full	VN	NT	-4.39	0.00	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+30	DFT-QPSK	M+H	Outer_Full	VH	NT	-9.68	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	VL	NT	-6.18	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	VN	NT	-45.78	-0.01	PASS
DC_5A_ n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	VH	NT	-4.73	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-QPSK	M+L	Outer_Full	VL	NT	5.25	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-QPSK	M+L	Outer_Full	VN	NT	8.29	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-QPSK	M+L	Outer_Full	VH	NT	-1.41	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-16QAM	M+L	Outer_Full	VL	NT	-0.52	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-16QAM	M+L	Outer_Full	VN	NT	4.72	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-16QAM	M+L	Outer_Full	VH	NT	-8.84	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	VL	NT	11.27	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	VN	NT	0.24	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	VH	NT	-7.49	0.00	PASS
DC_5A_	30	5+40	DFT-16QAM	M+M	Outer_Full	VL	NT	-1.82	0.00	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+40	DFT-16QAM	M+M	Outer_Full	VN	NT	-6.32	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-16QAM	M+M	Outer_Full	VH	NT	-2.31	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-QPSK	M+H	Outer_Full	VL	NT	1.95	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-QPSK	M+H	Outer_Full	VN	NT	-2.78	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-QPSK	M+H	Outer_Full	VH	NT	9.47	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	VL	NT	-47.62	-0.01	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	VN	NT	-6.84	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	VH	NT	-11.08	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-QPSK	M+L	Outer_Full	VL	NT	-4.44	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-QPSK	M+L	Outer_Full	VN	NT	-5.27	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-QPSK	M+L	Outer_Full	VH	NT	-5.46	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-16QAM	M+L	Outer_Full	VL	NT	1.66	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-16QAM	M+L	Outer_Full	VN	NT	-8.61	0.00	PASS
DC_5A_	30	5+50	DFT-16QAM	M+L	Outer_Full	VH	NT	-42.53	-0.01	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	VL	NT	-3.36	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	VN	NT	1.54	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	VH	NT	-5.77	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-16QAM	M+M	Outer_Full	VL	NT	-9.72	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-16QAM	M+M	Outer_Full	VN	NT	-6.03	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-16QAM	M+M	Outer_Full	VH	NT	-0.70	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	VL	NT	-9.36	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	VN	NT	-13.05	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	VH	NT	3.05	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-16QAM	M+H	Outer_Full	VL	NT	-4.18	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-16QAM	M+H	Outer_Full	VN	NT	-13.56	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+50	DFT-16QAM	M+H	Outer_Full	VH	NT	-2.62	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-QPSK	M+L	Outer_Full	VL	NT	-10.38	0.00	PASS
DC_5A_	30	5+60	DFT-QPSK	M+L	Outer_Full	VN	NT	-1.26	0.00	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+60	DFT-QPSK	M+L	Outer_Full	VH	NT	-10.39	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	VL	NT	-6.41	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	VN	NT	-8.71	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	VH	NT	-8.97	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-QPSK	M+M	Outer_Full	VL	NT	-5.01	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-QPSK	M+M	Outer_Full	VN	NT	-16.82	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-QPSK	M+M	Outer_Full	VH	NT	3.51	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-16QAM	M+M	Outer_Full	VL	NT	-11.86	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-16QAM	M+M	Outer_Full	VN	NT	-4.54	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-16QAM	M+M	Outer_Full	VH	NT	-10.08	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	VL	NT	-6.46	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	VN	NT	-13.79	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	VH	NT	-13.71	0.00	PASS
DC_5A_	30	5+60	DFT-16QAM	M+H	Outer_Full	VL	NT	-11.20	0.00	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+60	DFT-16QAM	M+H	Outer_Full	VN	NT	-13.68	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+60	DFT-16QAM	M+H	Outer_Full	VH	NT	-14.25	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-QPSK	M+L	Outer_Full	VL	NT	2.46	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-QPSK	M+L	Outer_Full	VN	NT	-1.79	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-QPSK	M+L	Outer_Full	VH	NT	0.94	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	VL	NT	-24.60	-0.01	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	VN	NT	-9.92	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	VH	NT	-3.93	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-QPSK	M+M	Outer_Full	VL	NT	4.57	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-QPSK	M+M	Outer_Full	VN	NT	-6.09	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-QPSK	M+M	Outer_Full	VH	NT	-13.06	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-16QAM	M+M	Outer_Full	VL	NT	-6.05	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-16QAM	M+M	Outer_Full	VN	NT	-8.80	0.00	PASS
DC_5A_	30	5+70	DFT-16QAM	M+M	Outer_Full	VH	NT	-1.95	0.00	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	VL	NT	2.61	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	VN	NT	5.57	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	VH	NT	-1.25	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-16QAM	M+H	Outer_Full	VL	NT	-4.24	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-16QAM	M+H	Outer_Full	VN	NT	-1.49	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+70	DFT-16QAM	M+H	Outer_Full	VH	NT	-6.49	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	VL	NT	-3.96	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	VN	NT	-9.96	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	VH	NT	-1.40	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-16QAM	M+L	Outer_Full	VL	NT	-2.67	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-16QAM	M+L	Outer_Full	VN	NT	-3.20	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-16QAM	M+L	Outer_Full	VH	NT	-16.04	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-QPSK	M+M	Outer_Full	VL	NT	-2.98	0.00	PASS
DC_5A_	30	5+80	DFT-QPSK	M+M	Outer_Full	VN	NT	-9.44	0.00	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+80	DFT-QPSK	M+M	Outer_Full	VH	NT	-3.75	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	VL	NT	-4.28	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	VN	NT	-13.31	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	VH	NT	-14.75	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-QPSK	M+H	Outer_Full	VL	NT	-10.53	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-QPSK	M+H	Outer_Full	VN	NT	4.06	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-QPSK	M+H	Outer_Full	VH	NT	-7.75	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-16QAM	M+H	Outer_Full	VL	NT	-5.63	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-16QAM	M+H	Outer_Full	VN	NT	-2.00	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+80	DFT-16QAM	M+H	Outer_Full	VH	NT	0.13	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	VL	NT	-13.93	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	VN	NT	-7.44	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	VH	NT	-8.68	0.00	PASS
DC_5A_	30	5+90	DFT-16QAM	M+L	Outer_Full	VL	NT	-6.94	0.00	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+90	DFT-16QAM	M+L	Outer_Full	VN	NT	-9.22	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-16QAM	M+L	Outer_Full	VH	NT	-5.24	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-QPSK	M+M	Outer_Full	VL	NT	-4.85	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-QPSK	M+M	Outer_Full	VN	NT	-6.94	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-QPSK	M+M	Outer_Full	VH	NT	-7.17	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	VL	NT	-4.11	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	VN	NT	-1.40	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	VH	NT	-1.74	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-QPSK	M+H	Outer_Full	VL	NT	-7.08	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-QPSK	M+H	Outer_Full	VN	NT	-14.97	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-QPSK	M+H	Outer_Full	VH	NT	-11.35	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-16QAM	M+H	Outer_Full	VL	NT	-9.29	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+90	DFT-16QAM	M+H	Outer_Full	VN	NT	-7.52	0.00	PASS
DC_5A_	30	5+90	DFT-16QAM	M+H	Outer_Full	VH	NT	-6.07	0.00	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	VL	NT	-12.31	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	VN	NT	5.39	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	VH	NT	-6.15	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-16QAM	M+L	Outer_Full	VL	NT	-1.88	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-16QAM	M+L	Outer_Full	VN	NT	-14.32	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-16QAM	M+L	Outer_Full	VH	NT	0.13	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	VL	NT	-4.79	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	VN	NT	-5.34	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	VH	NT	-8.22	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-16QAM	M+M	Outer_Full	VL	NT	-0.87	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-16QAM	M+M	Outer_Full	VN	NT	-7.56	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-16QAM	M+M	Outer_Full	VH	NT	-3.25	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-QPSK	M+H	Outer_Full	VL	NT	-12.51	0.00	PASS
DC_5A_	30	5+100	DFT-QPSK	M+H	Outer_Full	VN	NT	-18.49	-0.01	PASS

n77A-34 50-3550										
DC_5A_ n77A-34 50-3550	30	5+100	DFT-QPSK	M+H	Outer_Full	VH	NT	-5.73	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	VL	NT	-8.43	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	VN	NT	-11.51	0.00	PASS
DC_5A_ n77A-34 50-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	VH	NT	-7.33	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_5A_ n77A-34 50-3550	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	-1.641542	-0.000475	PASS
DC_5A_ n77A-34 50-3550	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	-9.616494	-0.002783	PASS
DC_5A_ n77A-34 50-3550	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	1.753678	0.000508	PASS
DC_5A_ n77A-34 50-3550	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	-3.901333	-0.001129	PASS
DC_5A_ n77A-34 50-3550	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	-4.910886	-0.001421	PASS
DC_5A_ n77A-34 50-3550	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	-6.328591	-0.001832	PASS
DC_5A_ n77A-34 50-3550	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	-7.162357	-0.002073	PASS
DC_5A_ n77A-34	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	-7.460874	-0.002159	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	-0.367983	-0.000107	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	-1.420352	-0.000411	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	-39.095524	-0.011316	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	5.503659	0.001593	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	-4.459424	-0.001291	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	-3.708106	-0.001073	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	1.462215	0.000423	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	-5.357437	-0.001551	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	-1.862217	-0.000539	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	-7.994030	-0.002314	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+M	Outer_Full	NV	-30	1.100594	0.000314	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+M	Outer_Full	NV	-20	-6.868991	-0.001963	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+M	Outer_Full	NV	-10	-38.045258	-0.010870	PASS
DC_5A_n77A-34	30	5+10	DFT-QPSK	M+M	Outer_Full	NV	0	-1.029352	-0.000294	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+M	Outer_Full	NV	10	-1.830498	-0.000523	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+M	Outer_Full	NV	20	1.585984	0.000453	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+M	Outer_Full	NV	30	7.474576	0.002136	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+M	Outer_Full	NV	40	-5.430434	-0.001552	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+M	Outer_Full	NV	50	-11.938062	-0.003411	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+M	Outer_Full	NV	-30	-10.420306	-0.002977	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+M	Outer_Full	NV	-20	6.590485	0.001883	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+M	Outer_Full	NV	-10	-6.146457	-0.001756	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+M	Outer_Full	NV	0	-4.345927	-0.001242	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+M	Outer_Full	NV	10	-8.430227	-0.002409	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+M	Outer_Full	NV	20	-10.947054	-0.003128	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+M	Outer_Full	NV	30	-33.980663	-0.009709	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+M	Outer_Full	NV	40	-1.236886	-0.000353	PASS
DC_5A_n77A-34	30	5+10	DFT-16QAM	M+M	Outer_Full	NV	50	-2.570466	-0.000734	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	NV	-30	-2.691814	-0.000759	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	NV	-20	-4.998241	-0.001410	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	NV	-10	-6.485418	-0.001829	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	NV	0	1.548163	0.000437	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	NV	10	-14.211908	-0.004009	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	NV	20	-1.581108	-0.000446	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	NV	30	-6.813822	-0.001922	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	NV	40	5.557091	0.001568	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-QPSK	M+H	Outer_Full	NV	50	-8.042125	-0.002269	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+H	Outer_Full	NV	-30	-8.466756	-0.002388	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+H	Outer_Full	NV	-20	-6.557709	-0.001850	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+H	Outer_Full	NV	-10	2.802845	0.000791	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+H	Outer_Full	NV	0	4.115793	0.001161	PASS
DC_5A_n77A-34	30	5+10	DFT-16QAM	M+H	Outer_Full	NV	10	-48.048244	-0.013554	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+H	Outer_Full	NV	20	-5.329816	-0.001503	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+H	Outer_Full	NV	30	-2.536809	-0.000716	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+H	Outer_Full	NV	40	-0.675696	-0.000191	PASS
DC_5A_n77A-3450-3550	30	5+10	DFT-16QAM	M+H	Outer_Full	NV	50	-15.380651	-0.004339	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	NV	-30	0.140711	0.000041	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	NV	-20	-44.919773	-0.012992	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	NV	-10	-2.994675	-0.000866	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	NV	0	-2.361062	-0.000683	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	NV	10	-17.079145	-0.004940	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	NV	20	-0.652901	-0.000189	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	NV	30	2.194184	0.000635	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	NV	40	-9.390291	-0.002716	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+L	Outer_Full	NV	50	-44.251167	-0.012799	PASS
DC_5A_n77A-34	30	5+15	DFT-16QAM	M+L	Outer_Full	NV	-30	-0.848282	-0.000245	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+L	Outer_Full	NV	-20	-7.713459	-0.002231	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+L	Outer_Full	NV	-10	-2.772530	-0.000802	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+L	Outer_Full	NV	0	-49.264675	-0.014249	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+L	Outer_Full	NV	10	-3.006719	-0.000870	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+L	Outer_Full	NV	20	1.627421	0.000471	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+L	Outer_Full	NV	30	-3.660860	-0.001059	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+L	Outer_Full	NV	40	-13.966042	-0.004039	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+L	Outer_Full	NV	50	-1.014199	-0.000293	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+M	Outer_Full	NV	-30	-1.108013	-0.000317	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+M	Outer_Full	NV	-20	-4.639780	-0.001326	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+M	Outer_Full	NV	-10	-2.292146	-0.000655	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+M	Outer_Full	NV	0	-41.491714	-0.011855	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+M	Outer_Full	NV	10	-10.575027	-0.003021	PASS
DC_5A_n77A-34	30	5+15	DFT-QPSK	M+M	Outer_Full	NV	20	2.657454	0.000759	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+M	Outer_Full	NV	30	-7.790411	-0.002226	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+M	Outer_Full	NV	40	-11.855574	-0.003387	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+M	Outer_Full	NV	50	0.321825	0.000092	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	NV	-30	-5.309711	-0.001517	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	NV	-20	-3.913963	-0.001118	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	NV	-10	-49.690353	-0.014197	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	NV	0	-1.460293	-0.000417	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	NV	10	-4.328957	-0.001237	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	NV	20	-4.814403	-0.001376	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	NV	30	5.108644	0.001460	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	NV	40	-5.667716	-0.001619	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+M	Outer_Full	NV	50	-1.468225	-0.000419	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-QPSK	M+H	Outer_Full	NV	-30	-7.314546	-0.002065	PASS
DC_5A_n77A-34	30	5+15	DFT-QPSK	M+H	Outer_Full	NV	-20	-7.516633	-0.002122	PASS

50-3550										
DC_5A_n77A-34 50-3550	30	5+15	DFT-QPSK	M+H	Outer_Full	NV	-10	-4.625144	-0.001306	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-QPSK	M+H	Outer_Full	NV	0	5.053189	0.001426	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-QPSK	M+H	Outer_Full	NV	10	0.680965	0.000192	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-QPSK	M+H	Outer_Full	NV	20	-8.963939	-0.002530	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-QPSK	M+H	Outer_Full	NV	30	7.894297	0.002228	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-QPSK	M+H	Outer_Full	NV	40	-9.041601	-0.002552	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-QPSK	M+H	Outer_Full	NV	50	-3.514150	-0.000992	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-16QAM	M+H	Outer_Full	NV	-30	-1.554688	-0.000439	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-16QAM	M+H	Outer_Full	NV	-20	-9.362115	-0.002643	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-16QAM	M+H	Outer_Full	NV	-10	-10.584386	-0.002988	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-16QAM	M+H	Outer_Full	NV	0	-10.494515	-0.002962	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-16QAM	M+H	Outer_Full	NV	10	-3.756550	-0.001060	PASS
DC_5A_n77A-34 50-3550	30	5+15	DFT-16QAM	M+H	Outer_Full	NV	20	-11.218235	-0.003167	PASS
DC_5A_n77A-34	30	5+15	DFT-16QAM	M+H	Outer_Full	NV	30	-12.833920	-0.003623	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+H	Outer_Full	NV	40	0.758835	0.000214	PASS
DC_5A_n77A-3450-3550	30	5+15	DFT-16QAM	M+H	Outer_Full	NV	50	-3.485542	-0.000984	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	NV	-30	-13.846917	-0.004002	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	NV	-20	-45.764999	-0.013227	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	NV	-10	0.468998	0.000136	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	NV	0	4.751543	0.001373	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	NV	10	-4.359631	-0.001260	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	NV	20	-9.195925	-0.002658	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	NV	30	-9.386748	-0.002713	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	NV	40	-6.032970	-0.001744	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+L	Outer_Full	NV	50	-7.076440	-0.002045	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+L	Outer_Full	NV	-30	-14.746599	-0.004262	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+L	Outer_Full	NV	-20	-8.090174	-0.002338	PASS
DC_5A_n77A-34	30	5+20	DFT-16QAM	M+L	Outer_Full	NV	-10	-8.844060	-0.002556	PASS

50-3550										
DC_5A_n77A-34 50-3550	30	5+20	DFT-16QAM	M+L	Outer_Full	NV	0	-14.356515	-0.004149	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-16QAM	M+L	Outer_Full	NV	10	-3.530199	-0.001020	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-16QAM	M+L	Outer_Full	NV	20	-8.947906	-0.002586	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-16QAM	M+L	Outer_Full	NV	30	5.673202	0.001640	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-16QAM	M+L	Outer_Full	NV	40	-6.009934	-0.001737	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-16QAM	M+L	Outer_Full	NV	50	-43.668869	-0.012621	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-QPSK	M+M	Outer_Full	NV	-30	-2.392370	-0.000684	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-QPSK	M+M	Outer_Full	NV	-20	-4.976110	-0.001422	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-QPSK	M+M	Outer_Full	NV	-10	-3.983932	-0.001138	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-QPSK	M+M	Outer_Full	NV	0	-45.839149	-0.013097	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-QPSK	M+M	Outer_Full	NV	10	-12.287219	-0.003511	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-QPSK	M+M	Outer_Full	NV	20	-6.791067	-0.001940	PASS
DC_5A_n77A-34 50-3550	30	5+20	DFT-QPSK	M+M	Outer_Full	NV	30	-12.559402	-0.003588	PASS
DC_5A_n77A-34	30	5+20	DFT-QPSK	M+M	Outer_Full	NV	40	-1.102291	-0.000315	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+M	Outer_Full	NV	50	-4.849648	-0.001386	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	NV	-30	-8.582206	-0.002452	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	NV	-20	-49.963524	-0.014275	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	NV	-10	-16.788275	-0.004797	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	NV	0	-6.685408	-0.001910	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	NV	10	-3.328920	-0.000951	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	NV	20	-4.299141	-0.001228	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	NV	30	-6.282351	-0.001795	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	NV	40	-4.374964	-0.001250	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+M	Outer_Full	NV	50	2.242081	0.000641	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+H	Outer_Full	NV	-30	4.540413	0.001283	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+H	Outer_Full	NV	-20	-44.948734	-0.012697	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+H	Outer_Full	NV	-10	-7.249989	-0.002048	PASS
DC_5A_n77A-34	30	5+20	DFT-QPSK	M+H	Outer_Full	NV	0	-5.476032	-0.001547	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+H	Outer_Full	NV	10	-14.961159	-0.004226	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+H	Outer_Full	NV	20	1.681510	0.000475	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+H	Outer_Full	NV	30	-3.326598	-0.000940	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+H	Outer_Full	NV	40	2.322907	0.000656	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-QPSK	M+H	Outer_Full	NV	50	-0.052374	-0.000015	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+H	Outer_Full	NV	-30	5.439466	0.001537	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+H	Outer_Full	NV	-20	-8.282701	-0.002340	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+H	Outer_Full	NV	-10	-22.619102	-0.006390	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+H	Outer_Full	NV	0	-7.938978	-0.002243	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+H	Outer_Full	NV	10	-4.664678	-0.001318	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+H	Outer_Full	NV	20	-8.183609	-0.002312	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+H	Outer_Full	NV	30	1.054764	0.000298	PASS
DC_5A_n77A-3450-3550	30	5+20	DFT-16QAM	M+H	Outer_Full	NV	40	8.822136	0.002492	PASS
DC_5A_n77A-34	30	5+20	DFT-16QAM	M+H	Outer_Full	NV	50	4.043852	0.001142	PASS

50-3550										
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	NV	-30	0.112885	0.000033	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	NV	-20	-45.133148	-0.013025	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	NV	-10	-35.114212	-0.010134	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	NV	0	-8.486887	-0.002449	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	NV	10	7.211254	0.002081	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	NV	20	-3.136665	-0.000905	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	NV	30	-10.568708	-0.003050	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	NV	40	-0.818872	-0.000236	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+L	Outer_Full	NV	50	6.556110	0.001892	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+L	Outer_Full	NV	-30	4.049047	0.001169	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+L	Outer_Full	NV	-20	-5.676703	-0.001638	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+L	Outer_Full	NV	-10	3.578728	0.001033	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+L	Outer_Full	NV	0	4.169940	0.001203	PASS
DC_5A_n77A-34	30	5+30	DFT-16QAM	M+L	Outer_Full	NV	10	5.395030	0.001557	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+L	Outer_Full	NV	20	3.202296	0.000924	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+L	Outer_Full	NV	30	4.218121	0.001217	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+L	Outer_Full	NV	40	3.173236	0.000916	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+L	Outer_Full	NV	50	5.869923	0.001694	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	NV	-30	-36.337875	-0.010382	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	NV	-20	8.807900	0.002517	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	NV	-10	-2.509341	-0.000717	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	NV	0	-5.428195	-0.001551	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	NV	10	1.310576	0.000374	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	NV	20	-36.778305	-0.010508	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	NV	30	-43.524822	-0.012436	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	NV	40	8.983750	0.002567	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+M	Outer_Full	NV	50	4.501009	0.001286	PASS
DC_5A_n77A-34	30	5+30	DFT-16QAM	M+M	Outer_Full	NV	-30	-0.287834	-0.000082	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+M	Outer_Full	NV	-20	-2.427141	-0.000693	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+M	Outer_Full	NV	-10	-6.402122	-0.001829	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+M	Outer_Full	NV	0	-0.077998	-0.000022	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+M	Outer_Full	NV	10	3.326884	0.000951	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+M	Outer_Full	NV	20	-5.819316	-0.001663	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+M	Outer_Full	NV	30	-1.263763	-0.000361	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+M	Outer_Full	NV	40	-0.976824	-0.000279	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-16QAM	M+M	Outer_Full	NV	50	-11.516363	-0.003290	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+H	Outer_Full	NV	-30	-5.435947	-0.001538	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+H	Outer_Full	NV	-20	-2.995977	-0.000848	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+H	Outer_Full	NV	-10	-8.895947	-0.002517	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+H	Outer_Full	NV	0	-12.002888	-0.003395	PASS
DC_5A_n77A-3450-3550	30	5+30	DFT-QPSK	M+H	Outer_Full	NV	10	-7.069536	-0.002000	PASS
DC_5A_n77A-34	30	5+30	DFT-QPSK	M+H	Outer_Full	NV	20	7.884832	0.002231	PASS

50-3550										
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+H	Outer_Full	NV	30	-3.023669	-0.000855	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+H	Outer_Full	NV	40	-42.595661	-0.012050	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-QPSK	M+H	Outer_Full	NV	50	6.413860	0.001814	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	NV	-30	-2.579866	-0.000730	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	NV	-20	-11.738482	-0.003321	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	NV	-10	0.164570	0.000047	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	NV	0	-47.243595	-0.013365	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	NV	10	-5.675426	-0.001606	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	NV	20	-5.669061	-0.001604	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	NV	30	-6.910854	-0.001955	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	NV	40	-45.506050	-0.012873	PASS
DC_5A_n77A-34 50-3550	30	5+30	DFT-16QAM	M+H	Outer_Full	NV	50	-8.906387	-0.002519	PASS
DC_5A_n77A-34 50-3550	30	5+40	DFT-QPSK	M+L	Outer_Full	NV	-30	9.963075	0.002871	PASS
DC_5A_n77A-34	30	5+40	DFT-QPSK	M+L	Outer_Full	NV	-20	0.735980	0.000212	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+L	Outer_Full	NV	-10	1.985363	0.000572	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+L	Outer_Full	NV	0	-6.876915	-0.001982	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+L	Outer_Full	NV	10	-3.119301	-0.000899	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+L	Outer_Full	NV	20	-1.015455	-0.000293	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+L	Outer_Full	NV	30	11.661662	0.003361	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+L	Outer_Full	NV	40	-3.386525	-0.000976	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+L	Outer_Full	NV	50	-4.728424	-0.001363	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+L	Outer_Full	NV	-30	-5.432922	-0.001566	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+L	Outer_Full	NV	-20	3.309641	0.000954	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+L	Outer_Full	NV	-10	-0.172696	-0.000050	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+L	Outer_Full	NV	0	-0.525580	-0.000151	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+L	Outer_Full	NV	10	15.221625	0.004387	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+L	Outer_Full	NV	20	4.520731	0.001303	PASS
DC_5A_n77A-34	30	5+40	DFT-16QAM	M+L	Outer_Full	NV	30	11.382498	0.003280	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+L	Outer_Full	NV	40	-34.920704	-0.010064	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+L	Outer_Full	NV	50	0.343802	0.000099	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	NV	-30	-0.139454	-0.000040	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	NV	-20	13.107181	0.003745	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	NV	-10	-9.026506	-0.002579	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	NV	0	-39.692486	-0.011341	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	NV	10	-6.801569	-0.001943	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	NV	20	2.081153	0.000595	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	NV	30	1.340687	0.000383	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	NV	40	-17.349213	-0.004957	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+M	Outer_Full	NV	50	-4.194932	-0.001199	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+M	Outer_Full	NV	-30	-0.908443	-0.000260	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+M	Outer_Full	NV	-20	4.713914	0.001347	PASS
DC_5A_n77A-34	30	5+40	DFT-16QAM	M+M	Outer_Full	NV	-10	1.190830	0.000340	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+M	Outer_Full	NV	0	-3.731557	-0.001066	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+M	Outer_Full	NV	10	-11.513645	-0.003290	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+M	Outer_Full	NV	20	-3.546240	-0.001013	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+M	Outer_Full	NV	30	-45.657429	-0.013045	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+M	Outer_Full	NV	40	-40.579735	-0.011594	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+M	Outer_Full	NV	50	3.138552	0.000897	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+H	Outer_Full	NV	-30	9.982148	0.002828	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+H	Outer_Full	NV	-20	-39.722252	-0.011253	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+H	Outer_Full	NV	-10	5.895716	0.001670	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+H	Outer_Full	NV	0	-5.776499	-0.001636	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+H	Outer_Full	NV	10	11.022194	0.003122	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+H	Outer_Full	NV	20	1.943259	0.000550	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+H	Outer_Full	NV	30	-1.976716	-0.000560	PASS
DC_5A_n77A-34	30	5+40	DFT-QPSK	M+H	Outer_Full	NV	40	4.973314	0.001409	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+40	DFT-QPSK	M+H	Outer_Full	NV	50	-4.057521	-0.001149	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	NV	-30	-41.995491	-0.011897	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	NV	-20	-44.675323	-0.012656	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	NV	-10	-43.893311	-0.012434	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	NV	0	-1.022287	-0.000290	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	NV	10	7.152328	0.002026	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	NV	20	-7.528960	-0.002133	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	NV	30	-5.252593	-0.001488	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	NV	40	-4.780431	-0.001354	PASS
DC_5A_n77A-3450-3550	30	5+40	DFT-16QAM	M+H	Outer_Full	NV	50	-5.283593	-0.001497	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+L	Outer_Full	NV	-30	4.008724	0.001154	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+L	Outer_Full	NV	-20	-10.039271	-0.002889	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+L	Outer_Full	NV	-10	-4.063151	-0.001169	PASS
DC_5A_n77A-34	30	5+50	DFT-QPSK	M+L	Outer_Full	NV	0	-2.496207	-0.000718	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+L	Outer_Full	NV	10	-5.874166	-0.001690	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+L	Outer_Full	NV	20	6.358155	0.001830	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+L	Outer_Full	NV	30	-27.831291	-0.008009	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+L	Outer_Full	NV	40	-8.730172	-0.002512	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+L	Outer_Full	NV	50	-6.371182	-0.001833	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+L	Outer_Full	NV	-30	0.635477	0.000183	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+L	Outer_Full	NV	-20	-41.555847	-0.011959	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+L	Outer_Full	NV	-10	-3.375081	-0.000971	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+L	Outer_Full	NV	0	2.854097	0.000821	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+L	Outer_Full	NV	10	8.221197	0.002366	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+L	Outer_Full	NV	20	1.754033	0.000505	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+L	Outer_Full	NV	30	6.941410	0.001998	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+L	Outer_Full	NV	40	-10.088129	-0.002903	PASS
DC_5A_n77A-34	30	5+50	DFT-16QAM	M+L	Outer_Full	NV	50	1.874585	0.000539	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	NV	-30	-4.801862	-0.001372	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	NV	-20	-4.564420	-0.001304	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	NV	-10	-14.140270	-0.004040	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	NV	0	-0.896679	-0.000256	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	NV	10	-10.106480	-0.002888	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	NV	20	-4.844956	-0.001384	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	NV	30	-1.827762	-0.000522	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	NV	40	-3.447650	-0.000985	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+M	Outer_Full	NV	50	-7.617181	-0.002176	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+M	Outer_Full	NV	-30	-10.921021	-0.003120	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+M	Outer_Full	NV	-20	-8.197864	-0.002342	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+M	Outer_Full	NV	-10	-10.768072	-0.003077	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+M	Outer_Full	NV	0	-6.438219	-0.001839	PASS
DC_5A_n77A-34	30	5+50	DFT-16QAM	M+M	Outer_Full	NV	10	1.360871	0.000389	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+M	Outer_Full	NV	20	-6.285061	-0.001796	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+M	Outer_Full	NV	30	2.532544	0.000724	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+M	Outer_Full	NV	40	0.017765	0.000005	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+M	Outer_Full	NV	50	-11.347710	-0.003242	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	NV	-30	-2.398521	-0.000680	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	NV	-20	-4.598155	-0.001304	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	NV	-10	-6.802750	-0.001930	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	NV	0	-7.243227	-0.002055	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	NV	10	-4.672694	-0.001326	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	NV	20	-9.679992	-0.002746	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	NV	30	-5.894421	-0.001672	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	NV	40	-13.891679	-0.003941	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-QPSK	M+H	Outer_Full	NV	50	-7.342628	-0.002083	PASS
DC_5A_n77A-34	30	5+50	DFT-16QAM	M+H	Outer_Full	NV	-30	-11.639150	-0.003302	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+H	Outer_Full	NV	-20	-9.659781	-0.002740	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+H	Outer_Full	NV	-10	-3.938993	-0.001117	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+H	Outer_Full	NV	0	-9.981937	-0.002832	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+H	Outer_Full	NV	10	-9.953672	-0.002824	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+H	Outer_Full	NV	20	-13.118372	-0.003722	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+H	Outer_Full	NV	30	-10.267584	-0.002913	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+H	Outer_Full	NV	40	-12.950708	-0.003674	PASS
DC_5A_n77A-3450-3550	30	5+50	DFT-16QAM	M+H	Outer_Full	NV	50	-9.592621	-0.002721	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+L	Outer_Full	NV	-30	-9.629230	-0.002767	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+L	Outer_Full	NV	-20	-8.086306	-0.002324	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+L	Outer_Full	NV	-10	-8.083596	-0.002323	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+L	Outer_Full	NV	0	-2.082910	-0.000599	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+L	Outer_Full	NV	10	-17.505753	-0.005030	PASS
DC_5A_n77A-34	30	5+60	DFT-QPSK	M+L	Outer_Full	NV	20	-10.145535	-0.002915	PASS

50-3550										
DC_5A_n77A-34 50-3550	30	5+60	DFT-QPSK	M+L	Outer_Full	NV	30	-3.271557	-0.000940	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-QPSK	M+L	Outer_Full	NV	40	-14.805664	-0.004255	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-QPSK	M+L	Outer_Full	NV	50	-14.675003	-0.004217	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	NV	-30	-7.568569	-0.002175	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	NV	-20	3.090282	0.000888	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	NV	-10	-4.939370	-0.001419	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	NV	0	-8.156579	-0.002344	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	NV	10	-15.698751	-0.004511	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	NV	20	-7.664206	-0.002202	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	NV	30	-4.715462	-0.001355	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	NV	40	-7.371135	-0.002118	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-16QAM	M+L	Outer_Full	NV	50	-13.863515	-0.003984	PASS
DC_5A_n77A-34 50-3550	30	5+60	DFT-QPSK	M+M	Outer_Full	NV	-30	-1.114284	-0.000318	PASS
DC_5A_n77A-34	30	5+60	DFT-QPSK	M+M	Outer_Full	NV	-20	-7.769504	-0.002220	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+M	Outer_Full	NV	-10	-3.706563	-0.001059	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+M	Outer_Full	NV	0	5.282320	0.001509	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+M	Outer_Full	NV	10	-4.795822	-0.001370	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+M	Outer_Full	NV	20	-0.791786	-0.000226	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+M	Outer_Full	NV	30	-1.325507	-0.000379	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+M	Outer_Full	NV	40	-1.697748	-0.000485	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+M	Outer_Full	NV	50	-8.081554	-0.002309	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+M	Outer_Full	NV	-30	-0.546838	-0.000156	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+M	Outer_Full	NV	-20	-6.217844	-0.001777	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+M	Outer_Full	NV	-10	-12.298207	-0.003514	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+M	Outer_Full	NV	0	-4.110290	-0.001174	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+M	Outer_Full	NV	10	-12.730206	-0.003637	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+M	Outer_Full	NV	20	-2.152931	-0.000615	PASS
DC_5A_n77A-34	30	5+60	DFT-16QAM	M+M	Outer_Full	NV	30	1.551549	0.000443	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+M	Outer_Full	NV	40	1.807889	0.000517	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+M	Outer_Full	NV	50	-1.103312	-0.000315	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	NV	-30	-9.832511	-0.002793	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	NV	-20	-10.356074	-0.002942	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	NV	-10	-15.636751	-0.004442	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	NV	0	-12.919530	-0.003670	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	NV	10	-7.147340	-0.002031	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	NV	20	-4.245051	-0.001206	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	NV	30	-3.619939	-0.001028	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	NV	40	-11.820393	-0.003358	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-QPSK	M+H	Outer_Full	NV	50	-13.594063	-0.003862	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+H	Outer_Full	NV	-30	-14.865043	-0.004223	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+H	Outer_Full	NV	-20	-16.428894	-0.004667	PASS
DC_5A_n77A-34	30	5+60	DFT-16QAM	M+H	Outer_Full	NV	-10	-11.967119	-0.003400	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+H	Outer_Full	NV	0	-9.144694	-0.002598	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+H	Outer_Full	NV	10	-6.132775	-0.001742	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+H	Outer_Full	NV	20	-6.039370	-0.001716	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+H	Outer_Full	NV	30	-9.875668	-0.002806	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+H	Outer_Full	NV	40	-4.615341	-0.001311	PASS
DC_5A_n77A-3450-3550	30	5+60	DFT-16QAM	M+H	Outer_Full	NV	50	-0.050780	-0.000014	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+L	Outer_Full	NV	-30	-16.002121	-0.004592	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+L	Outer_Full	NV	-20	-6.198602	-0.001779	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+L	Outer_Full	NV	-10	-7.084780	-0.002033	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+L	Outer_Full	NV	0	-12.249784	-0.003515	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+L	Outer_Full	NV	10	-3.109735	-0.000892	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+L	Outer_Full	NV	20	-3.844437	-0.001103	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+L	Outer_Full	NV	30	-9.968948	-0.002861	PASS
DC_5A_n77A-34	30	5+70	DFT-QPSK	M+L	Outer_Full	NV	40	-9.117376	-0.002616	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+L	Outer_Full	NV	50	-6.590479	-0.001891	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	NV	-30	-5.433167	-0.001559	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	NV	-20	-2.418497	-0.000694	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	NV	-10	-9.189789	-0.002637	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	NV	0	-6.444811	-0.001849	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	NV	10	-1.151520	-0.000330	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	NV	20	-1.307633	-0.000375	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	NV	30	-4.661928	-0.001338	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	NV	40	-9.077914	-0.002605	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+L	Outer_Full	NV	50	-3.749454	-0.001076	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+M	Outer_Full	NV	-30	-3.867233	-0.001105	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+M	Outer_Full	NV	-20	-7.590625	-0.002169	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+M	Outer_Full	NV	-10	-10.533622	-0.003010	PASS
DC_5A_n77A-34	30	5+70	DFT-QPSK	M+M	Outer_Full	NV	0	-7.653700	-0.002187	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+M	Outer_Full	NV	10	-8.353148	-0.002387	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+M	Outer_Full	NV	20	-10.742859	-0.003069	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+M	Outer_Full	NV	30	-7.747681	-0.002214	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+M	Outer_Full	NV	40	-2.068822	-0.000591	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+M	Outer_Full	NV	50	-2.220577	-0.000634	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+M	Outer_Full	NV	-30	-7.399422	-0.002114	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+M	Outer_Full	NV	-20	1.252831	0.000358	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+M	Outer_Full	NV	-10	-2.408392	-0.000688	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+M	Outer_Full	NV	0	-7.891311	-0.002255	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+M	Outer_Full	NV	10	-3.890872	-0.001112	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+M	Outer_Full	NV	20	-3.171993	-0.000906	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+M	Outer_Full	NV	30	-3.320617	-0.000949	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+M	Outer_Full	NV	40	-6.871842	-0.001963	PASS
DC_5A_n77A-34	30	5+70	DFT-16QAM	M+M	Outer_Full	NV	50	0.535306	0.000153	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	NV	-30	4.986216	0.001419	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	NV	-20	-8.090619	-0.002302	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	NV	-10	-7.499964	-0.002134	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	NV	0	-10.128935	-0.002882	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	NV	10	-6.352440	-0.001807	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	NV	20	-2.140670	-0.000609	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	NV	30	-12.598198	-0.003584	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	NV	40	1.121863	0.000319	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-QPSK	M+H	Outer_Full	NV	50	-6.822925	-0.001941	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+H	Outer_Full	NV	-30	-9.509210	-0.002705	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+H	Outer_Full	NV	-20	-12.453443	-0.003543	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+H	Outer_Full	NV	-10	-5.467722	-0.001556	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+H	Outer_Full	NV	0	-10.451252	-0.002973	PASS
DC_5A_n77A-34	30	5+70	DFT-16QAM	M+H	Outer_Full	NV	10	-11.304729	-0.003216	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+H	Outer_Full	NV	20	-7.020196	-0.001997	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+H	Outer_Full	NV	30	-5.747468	-0.001635	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+H	Outer_Full	NV	40	12.356659	0.003515	PASS
DC_5A_n77A-3450-3550	30	5+70	DFT-16QAM	M+H	Outer_Full	NV	50	-5.731591	-0.001631	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	NV	-30	-10.719532	-0.003072	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	NV	-20	-4.276202	-0.001225	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	NV	-10	-4.518818	-0.001295	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	NV	0	-10.707411	-0.003068	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	NV	10	-7.851614	-0.002250	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	NV	20	-11.266519	-0.003228	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	NV	30	-5.121853	-0.001468	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	NV	40	-2.810809	-0.000805	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+L	Outer_Full	NV	50	-7.656776	-0.002194	PASS
DC_5A_n77A-34	30	5+80	DFT-16QAM	M+L	Outer_Full	NV	-30	0.928139	0.000266	PASS

50-3550										
DC_5A_n77A-34 50-3550	30	5+80	DFT-16QAM	M+L	Outer_Full	NV	-20	-7.745674	-0.002219	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-16QAM	M+L	Outer_Full	NV	-10	0.829659	0.000238	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-16QAM	M+L	Outer_Full	NV	0	-8.546852	-0.002449	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-16QAM	M+L	Outer_Full	NV	10	-5.880910	-0.001685	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-16QAM	M+L	Outer_Full	NV	20	-5.929812	-0.001699	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-16QAM	M+L	Outer_Full	NV	30	-11.282466	-0.003233	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-16QAM	M+L	Outer_Full	NV	40	-10.634990	-0.003047	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-16QAM	M+L	Outer_Full	NV	50	-15.481342	-0.004436	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-QPSK	M+M	Outer_Full	NV	-30	-9.127986	-0.002608	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-QPSK	M+M	Outer_Full	NV	-20	-4.275437	-0.001222	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-QPSK	M+M	Outer_Full	NV	-10	4.432203	0.001266	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-QPSK	M+M	Outer_Full	NV	0	-6.901555	-0.001972	PASS
DC_5A_n77A-34 50-3550	30	5+80	DFT-QPSK	M+M	Outer_Full	NV	10	-4.754547	-0.001358	PASS
DC_5A_n77A-34	30	5+80	DFT-QPSK	M+M	Outer_Full	NV	20	-5.376384	-0.001536	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+M	Outer_Full	NV	30	-3.024344	-0.000864	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+M	Outer_Full	NV	40	-12.540974	-0.003583	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+M	Outer_Full	NV	50	-1.292704	-0.000369	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	NV	-30	-12.603555	-0.003601	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	NV	-20	-6.004741	-0.001716	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	NV	-10	-1.850339	-0.000529	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	NV	0	-6.639460	-0.001897	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	NV	10	-15.083371	-0.004310	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	NV	20	-3.847159	-0.001099	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	NV	30	-9.075821	-0.002593	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	NV	40	-11.180270	-0.003194	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+M	Outer_Full	NV	50	-6.446066	-0.001842	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+H	Outer_Full	NV	-30	-6.969820	-0.001986	PASS
DC_5A_n77A-34	30	5+80	DFT-QPSK	M+H	Outer_Full	NV	-20	-9.593715	-0.002733	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+H	Outer_Full	NV	-10	-8.520195	-0.002427	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+H	Outer_Full	NV	0	-2.871128	-0.000818	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+H	Outer_Full	NV	10	-5.693179	-0.001622	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+H	Outer_Full	NV	20	-10.628438	-0.003028	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+H	Outer_Full	NV	30	-9.629230	-0.002743	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+H	Outer_Full	NV	40	-6.980965	-0.001989	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-QPSK	M+H	Outer_Full	NV	50	-6.425622	-0.001831	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+H	Outer_Full	NV	-30	-8.704831	-0.002480	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+H	Outer_Full	NV	-20	-3.083416	-0.000878	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+H	Outer_Full	NV	-10	-2.805497	-0.000799	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+H	Outer_Full	NV	0	3.152131	0.000898	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+H	Outer_Full	NV	10	-9.806580	-0.002794	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+H	Outer_Full	NV	20	-5.345567	-0.001523	PASS
DC_5A_n77A-34	30	5+80	DFT-16QAM	M+H	Outer_Full	NV	30	-10.956295	-0.003121	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+H	Outer_Full	NV	40	-4.118656	-0.001173	PASS
DC_5A_n77A-3450-3550	30	5+80	DFT-16QAM	M+H	Outer_Full	NV	50	-13.112595	-0.003736	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	NV	-30	-15.173296	-0.004341	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	NV	-20	-10.898224	-0.003118	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	NV	-10	-6.588068	-0.001885	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	NV	0	-8.091173	-0.002315	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	NV	10	-12.998597	-0.003719	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	NV	20	-1.171978	-0.000335	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	NV	30	-4.063426	-0.001163	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	NV	40	-6.501917	-0.001860	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+L	Outer_Full	NV	50	3.475569	0.000994	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+L	Outer_Full	NV	-30	-2.885265	-0.000826	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+L	Outer_Full	NV	-20	-5.790559	-0.001657	PASS
DC_5A_n77A-34	30	5+90	DFT-16QAM	M+L	Outer_Full	NV	-10	-21.413069	-0.006127	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+L	Outer_Full	NV	0	-14.170384	-0.004054	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+L	Outer_Full	NV	10	-18.728725	-0.005359	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+L	Outer_Full	NV	20	-11.944136	-0.003417	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+L	Outer_Full	NV	30	-13.570164	-0.003883	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+L	Outer_Full	NV	40	-11.449657	-0.003276	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+L	Outer_Full	NV	50	-7.404871	-0.002119	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+M	Outer_Full	NV	-30	-7.439637	-0.002126	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+M	Outer_Full	NV	-20	-0.389463	-0.000111	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+M	Outer_Full	NV	-10	2.177059	0.000622	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+M	Outer_Full	NV	0	-13.078159	-0.003737	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+M	Outer_Full	NV	10	-1.107332	-0.000316	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+M	Outer_Full	NV	20	4.638495	0.001325	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+M	Outer_Full	NV	30	-4.652689	-0.001329	PASS
DC_5A_n77A-34	30	5+90	DFT-QPSK	M+M	Outer_Full	NV	40	-1.760391	-0.000503	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+M	Outer_Full	NV	50	-6.157061	-0.001759	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	NV	-30	-12.884845	-0.003681	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	NV	-20	-8.032247	-0.002295	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	NV	-10	-10.390084	-0.002969	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	NV	0	-9.492418	-0.002712	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	NV	10	-2.994967	-0.000856	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	NV	20	-1.874262	-0.000536	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	NV	30	-0.062815	-0.000018	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	NV	40	-15.412490	-0.004404	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-16QAM	M+M	Outer_Full	NV	50	-4.547956	-0.001299	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+H	Outer_Full	NV	-30	-10.884426	-0.003105	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+H	Outer_Full	NV	-20	-0.371038	-0.000106	PASS
DC_5A_n77A-3450-3550	30	5+90	DFT-QPSK	M+H	Outer_Full	NV	-10	-14.075799	-0.004016	PASS
DC_5A_n77A-34	30	5+90	DFT-QPSK	M+H	Outer_Full	NV	0	-12.454224	-0.003553	PASS

50-3550										
DC_5A_n77A-34 50-3550	30	5+90	DFT-QPSK	M+H	Outer_Full	NV	10	-10.103606	-0.002883	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-QPSK	M+H	Outer_Full	NV	20	-9.671600	-0.002759	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-QPSK	M+H	Outer_Full	NV	30	-7.625315	-0.002176	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-QPSK	M+H	Outer_Full	NV	40	-9.001933	-0.002568	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-QPSK	M+H	Outer_Full	NV	50	-1.434224	-0.000409	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-16QAM	M+H	Outer_Full	NV	-30	-10.273143	-0.002931	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-16QAM	M+H	Outer_Full	NV	-20	-13.175383	-0.003759	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-16QAM	M+H	Outer_Full	NV	-10	-10.886492	-0.003106	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-16QAM	M+H	Outer_Full	NV	0	-1.109884	-0.000317	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-16QAM	M+H	Outer_Full	NV	10	1.817946	0.000519	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-16QAM	M+H	Outer_Full	NV	20	-8.109405	-0.002314	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-16QAM	M+H	Outer_Full	NV	30	-8.934162	-0.002549	PASS
DC_5A_n77A-34 50-3550	30	5+90	DFT-16QAM	M+H	Outer_Full	NV	40	-8.669665	-0.002474	PASS
DC_5A_n77A-34	30	5+90	DFT-16QAM	M+H	Outer_Full	NV	50	-7.231733	-0.002063	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	-30	-9.328156	-0.002665	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	-20	-8.716695	-0.002490	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	-10	-3.072191	-0.000878	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	0	-3.543447	-0.001012	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	10	-9.648549	-0.002757	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	20	-9.110487	-0.002603	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	30	-5.607316	-0.001602	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	40	-0.910510	-0.000260	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	50	0.725002	0.000207	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+L	Outer_Full	NV	-30	-9.702532	-0.002772	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+L	Outer_Full	NV	-20	-1.700000	-0.000486	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+L	Outer_Full	NV	-10	-12.051361	-0.003443	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+L	Outer_Full	NV	0	-7.100898	-0.002029	PASS
DC_5A_n77A-34	30	5+100	DFT-16QAM	M+L	Outer_Full	NV	10	-7.132351	-0.002038	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+L	Outer_Full	NV	20	-5.508961	-0.001574	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+L	Outer_Full	NV	30	-6.158551	-0.001760	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+L	Outer_Full	NV	40	-0.927947	-0.000265	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+L	Outer_Full	NV	50	-6.319171	-0.001805	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	-30	-8.251618	-0.002358	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	-20	-4.347738	-0.001242	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	-10	-1.762114	-0.000503	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	0	-3.545285	-0.001013	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	10	-5.991974	-0.001712	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	20	2.686006	0.000767	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	30	-5.449415	-0.001557	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	40	-8.369050	-0.002391	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	50	-14.547217	-0.004156	PASS
DC_5A_n77A-34	30	5+100	DFT-16QAM	M+M	Outer_Full	NV	-30	-8.951913	-0.002558	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+M	Outer_Full	NV	-20	-6.919481	-0.001977	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+M	Outer_Full	NV	-10	-5.605169	-0.001601	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+M	Outer_Full	NV	0	-8.272077	-0.002363	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+M	Outer_Full	NV	10	-6.535086	-0.001867	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+M	Outer_Full	NV	20	-6.326344	-0.001808	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+M	Outer_Full	NV	30	0.970067	0.000277	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+M	Outer_Full	NV	40	-7.934380	-0.002267	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+M	Outer_Full	NV	50	-5.200511	-0.001486	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	-30	-7.069035	-0.002020	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	-20	-7.871603	-0.002249	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	-10	-0.400855	-0.000115	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	0	-6.930230	-0.001980	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	10	-11.731620	-0.003352	PASS
DC_5A_n77A-34	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	20	-5.775439	-0.001650	PASS

50-3550										
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	30	-0.857935	-0.000245	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	40	-3.370464	-0.000963	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	50	-1.364110	-0.000390	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	NV	-30	-6.477204	-0.001851	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	NV	-20	-12.336779	-0.003525	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	NV	-10	0.760681	0.000217	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	NV	0	-12.098972	-0.003457	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	NV	10	-9.686805	-0.002768	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	NV	20	-11.107055	-0.003173	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	NV	30	2.257192	0.000645	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	NV	40	-5.044946	-0.001441	PASS
DC_5A_n77A-3450-3550	30	5+100	DFT-16QAM	M+H	Outer_Full	NV	50	-7.411775	-0.002118	PASS