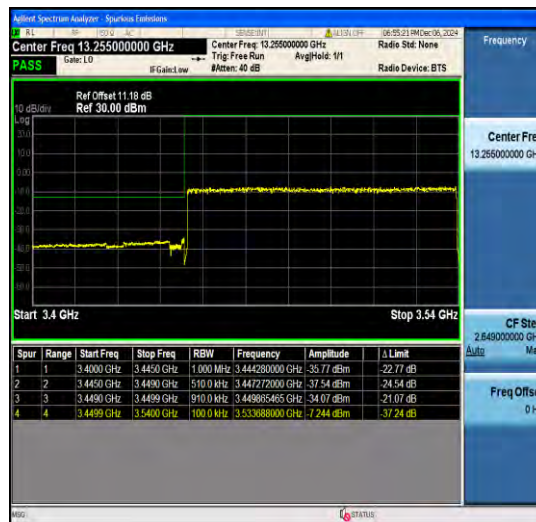
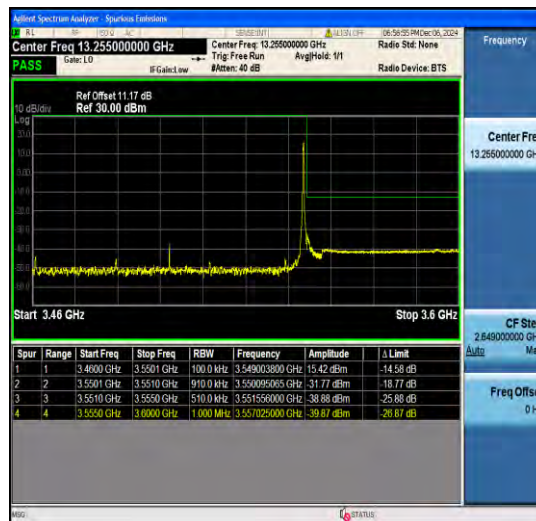
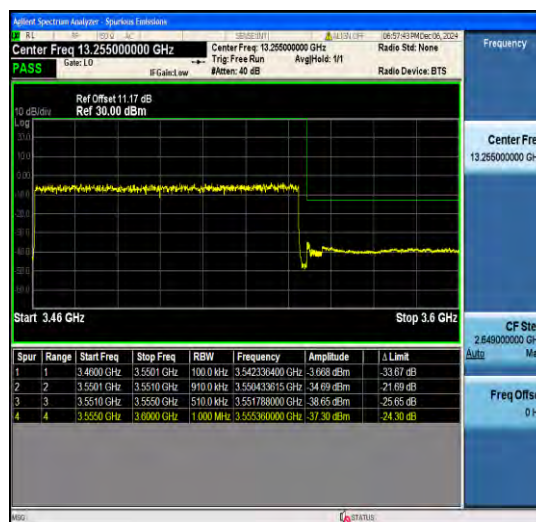




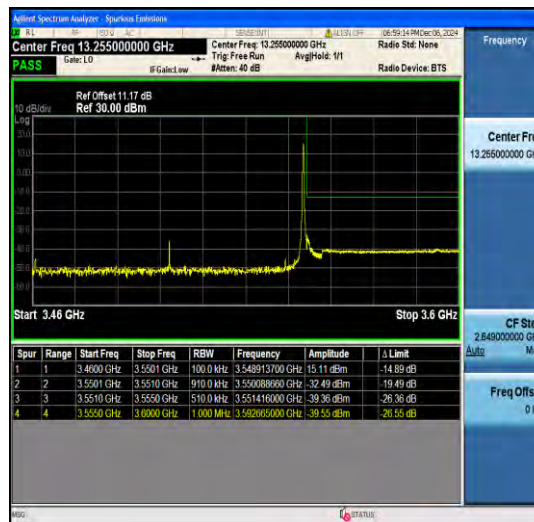
1-N77-3450-3550-PC2-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant3-3449.87-21.07--34.07-PASS



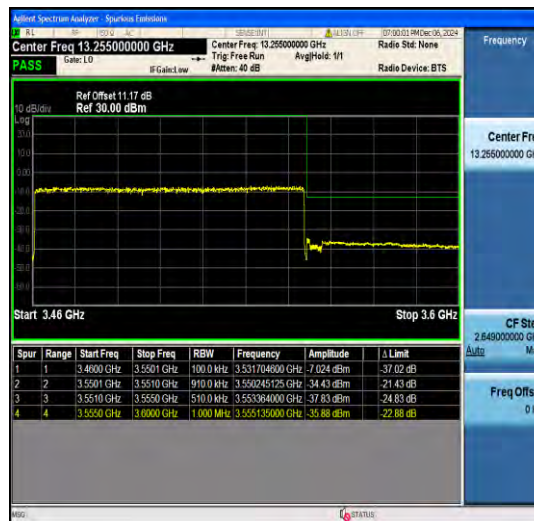
1-N77-3450-3550-PC2-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant3-3550.10-18.77--31.77-PASS



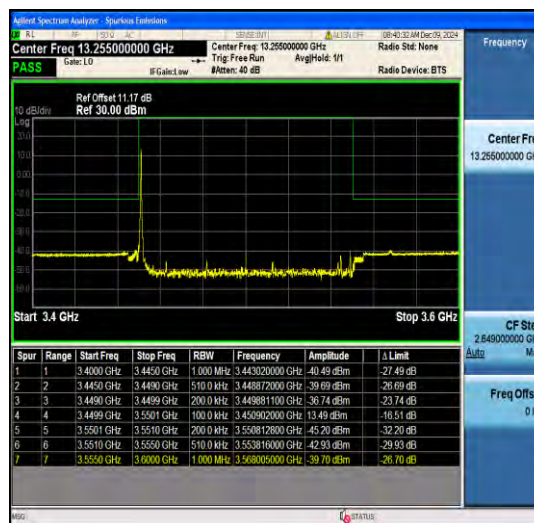
1-N77-3450-3550-PC2-30-90-H-3-DFT-PI2BPSK-Outer_Full-240@0-Ant3-3550.43-21.69--34.69-PASS



1-N77-3450-3550-PC2-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant3-3550.09-19.49--32.49-PASS



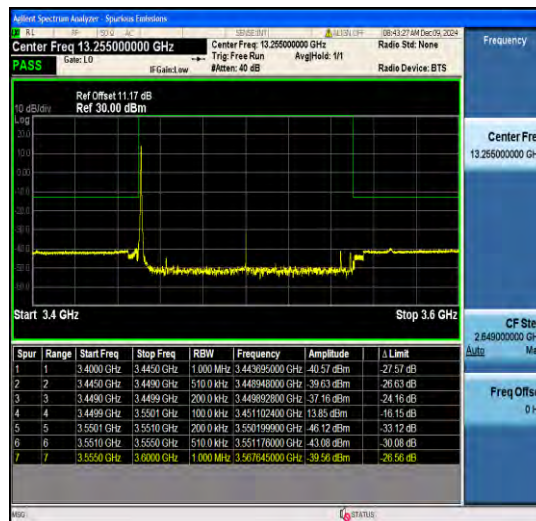
1-N77-3450-3550-PC2-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant3-3550.25-21.43--34.43-PASS



1-N77-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-3449.88-23.74--36.74-PASS



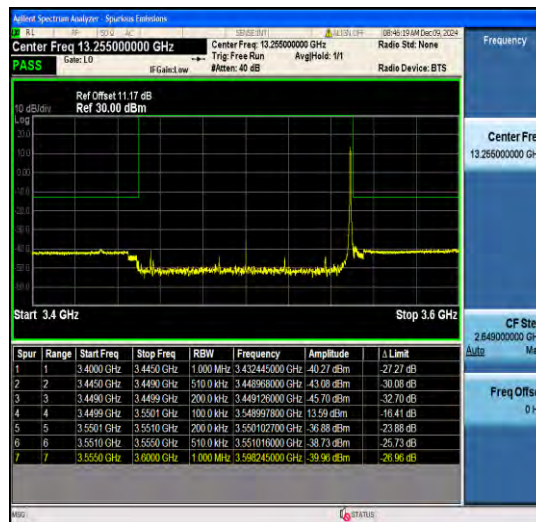
1-N77-3450-3550-PC2-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant3-3449.52-19.45--32.45-PASS



1-N77-3450-3550-PC2-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-3449.89-24.16--37.16-PASS



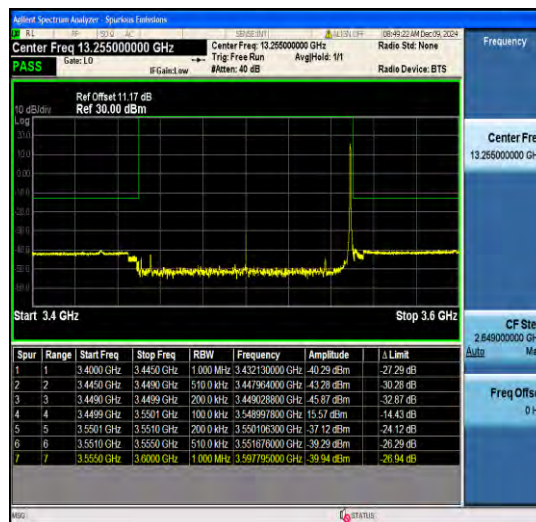
1-N77-3450-3550-PC2-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant3-3449.71-20.86--33.86-PASS



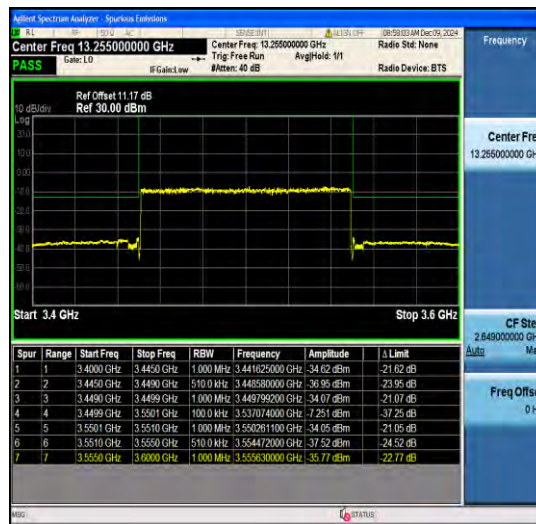
1-N77-3450-3550-PC2-30-100-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@272-Ant3-3550.10-23.88--36.88-PA
SS



1-N77-3450-3550-PC2-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant3-3449.86-19.02--32.02-PASS



1-N77-3450-3550-PC2-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant3-3550.11-24.12--37.12-PASS



1-N77-3450-3550-PC2-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant3-3550.26-21.05--34.05-PASS

Conducted Spurious Emission for SA

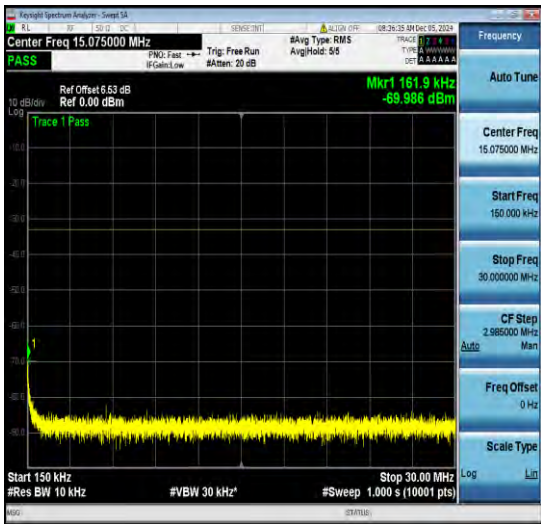
Test Result

Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N77-3450-3550	30	100	DFT-PI2BPSK	M	0.009	0.15	1@0	-50.75	-43	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	0.15	30	1@0	-69.99	-33	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	30	1000	1@0	-56.59	-23	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	1000	3000	1@0	-42.85	-13	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	3000	6000	1@0	-35.99	-13	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	6000	26000	1@0	-33.41	-13	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	26000	40000	1@0	-35.42	-13	PASS

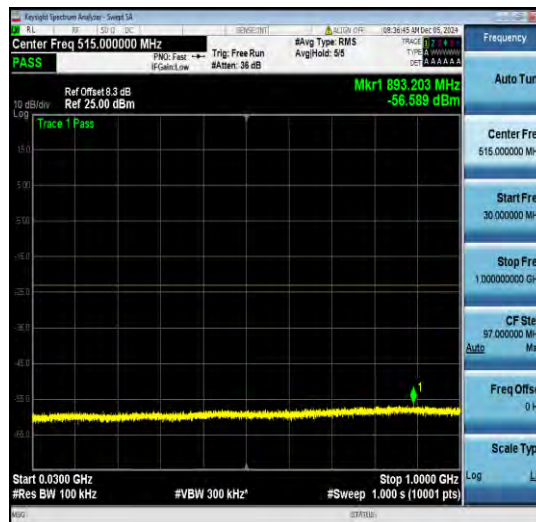
Test Graphs



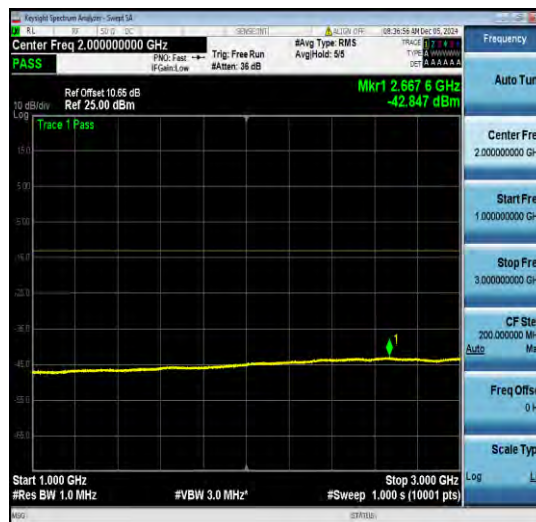
1-N77-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant3-0.01--50.7
5--43-PASS



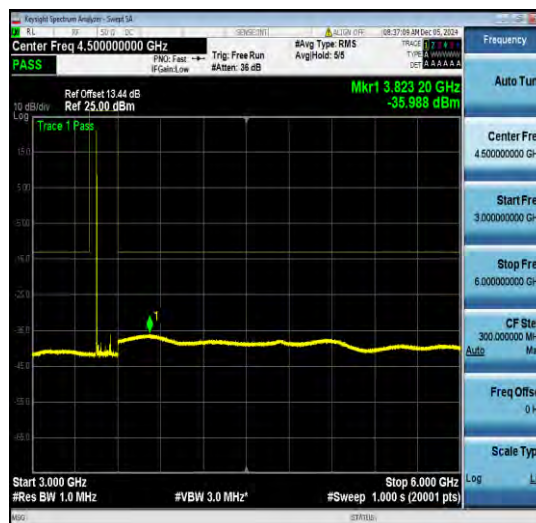
1-N77-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.15-30-Ant3-0.16--69.99--
33-PASS



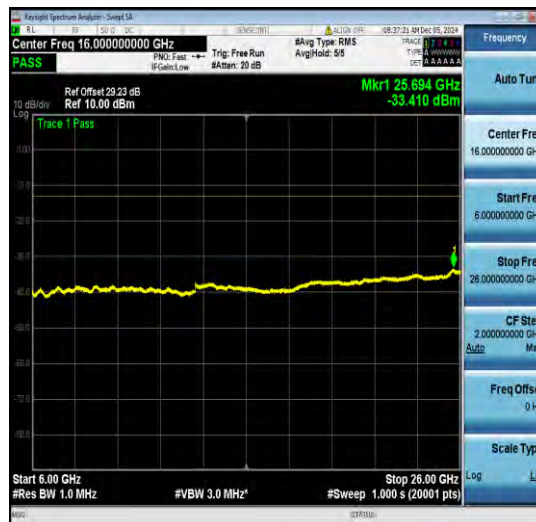
1-N77-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-30-1000-Ant3-893.20--56.5
9--23-PASS



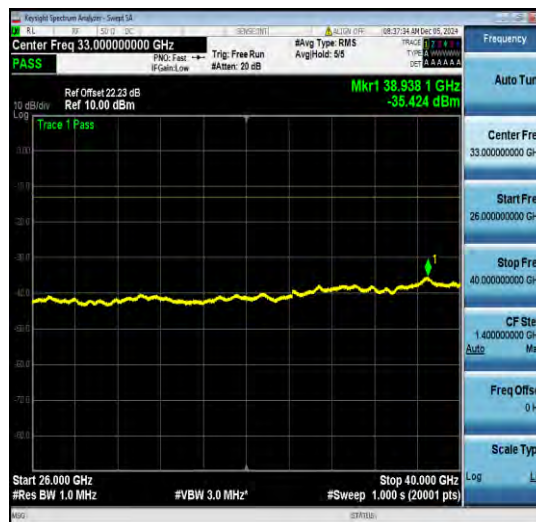
1-N77-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2667.60--
42.85--13-PASS



1-N77-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-3000-6000-Ant3-3823.20--
35.99--13-PASS



1-N77-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-6000-26000-Ant3-25694.00
--33.41--13-PASS



1-N77-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-26000-40000-Ant3-38938.1
0--35.42--13-PASS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	NT	-19.02	-0.00536	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	LV	NT	-22.77	-0.00641	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	HV	NT	-24.19	-0.00681	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	NV	NT	-21.51	-0.00606	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	LV	NT	-16.47	-0.00464	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	HV	NT	-19.86	-0.00559	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	20	-18.153000	-0.005187	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	50	-19.648000	-0.005614	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	40	-19.222000	-0.005492	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	-10	-19.974000	-0.005707	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	10	-19.022000	-0.005435	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	30	-18.361000	-0.005246	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	-30	-22.452000	-0.006415	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	0	-16.109000	-0.004603	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	-20	-20.561000	-0.005875	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	NV	0	-25.474000	-0.007278	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	NV	-10	-19.948000	-0.005699	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	NV	10	-22.552000	-0.006443	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	NV	20	-22.264000	-0.006361	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	NV	50	-21.418000	-0.006119	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	NV	-30	-20.868000	-0.005962	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	NV	30	-22.309000	-0.006374	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	NV	40	-27.325000	-0.007807	PASS
N77-3450-3550	30	100	CP-QPSK	M	273@0	NV	-20	-20.000000	-0.005714	PASS

Field Strength of Spurious Radiation

NR N77 3450-3550MHz-Middle channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
6910.0	-40.1	-13	-27.1	-46.2	4.91	11.01	Horizontal	Pass
10365.0	-56.46	-13	-43.46	-64.04	5.52	13.1	Horizontal	Pass
13820.0	-54.7	-13	-41.7	-62.87	6.21	14.38	Horizontal	Pass
6910.0	-49.71	-13	-36.71	-55.81	4.91	11.01	Vertical	Pass
10365.0	-56.19	-13	-43.19	-63.77	5.52	13.1	Vertical	Pass
13820.0	-54.75	-13	-41.75	-62.92	6.21	14.38	Vertical	Pass

NSA_66A_n77A 3450-3550-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
6910.0	-48.62	-13	-35.62	-54.72	4.91	11.01	Horizontal	Pass
10365.0	-55.92	-13	-42.92	-63.5	5.52	13.1	Horizontal	Pass
13820.0	-54.51	-13	-41.51	-62.68	6.21	14.38	Horizontal	Pass
6910.0	-51.44	-13	-38.44	-57.54	4.91	11.01	Vertical	Pass
10365.0	-56.54	-13	-43.54	-64.12	5.52	13.1	Vertical	Pass
13820.0	-54.65	-13	-41.65	-62.82	6.21	14.38	Vertical	Pass

Test on the worst case(Sample2#):

NSA_66A_n77A 3450-3550-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
6910	-56.97	-13	-43.97	-63.07	4.91	11.01	Horizontal	Pass
10365	-56.68	-13	-43.68	-64.26	5.52	13.1	Horizontal	Pass
13820	-54.81	-13	-41.81	-62.98	6.21	14.38	Horizontal	Pass
6910	-58.61	-13	-45.61	-64.71	4.91	11.01	Vertical	Pass
10365	-56.27	-13	-43.27	-63.85	5.52	13.1	Vertical	Pass
13820	-54.91	-13	-41.91	-63.08	6.21	14.38	Vertical	Pass