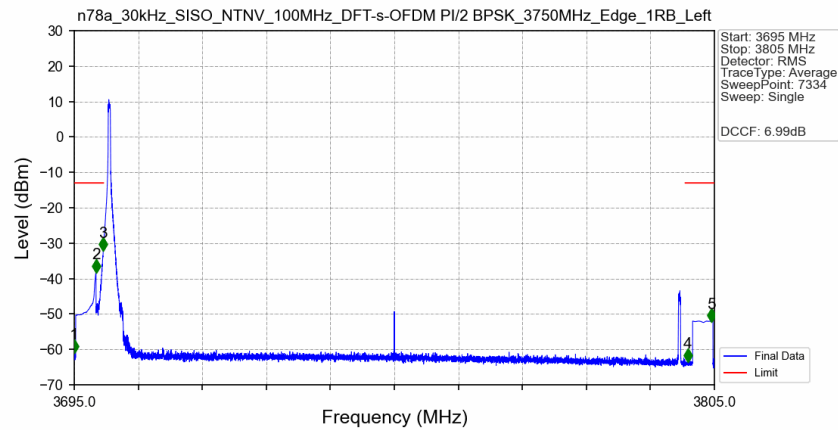


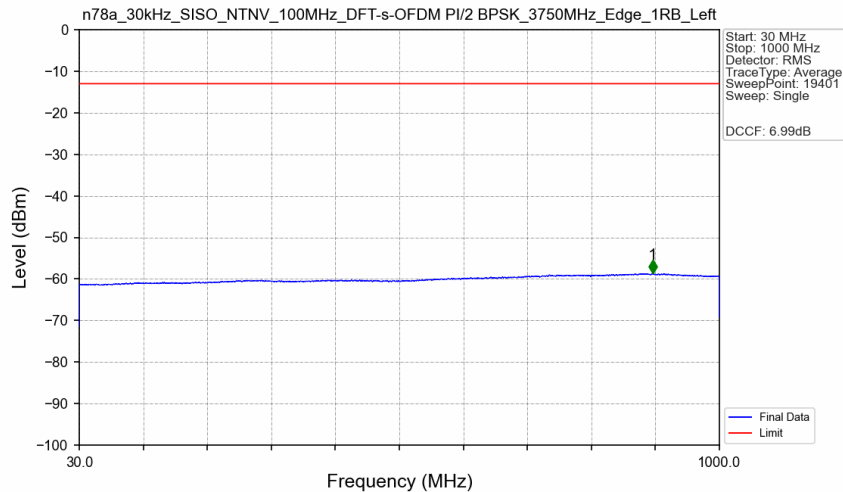
5.2.3 30k_SISO_100MHz_NTNV

n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3750MHz_Edge_1RB_Left_Ant1



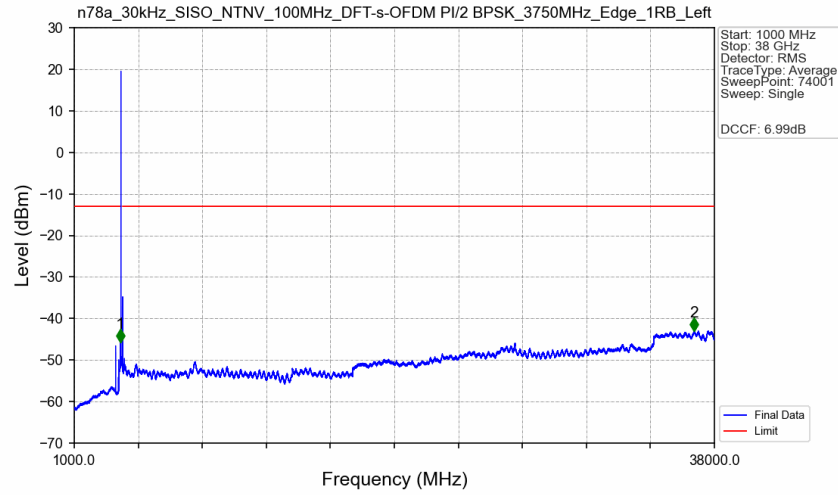
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-60.62	-13	Pass
3695	3699	0.5	CHP	2	3698.735	-37.98	-13	Pass
3699	3700	0.03	/	3	3699.980	-31.90	-13	Pass
3700	3800	0.03	/	/	/	/	/	/
3800	3801	0.03	/	4	3800.425	-63.14	-13	Pass
3801	3805	0.5	CHP	5	3804.490	-51.97	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3750MHz_Edge_1RB_Left_Ant1



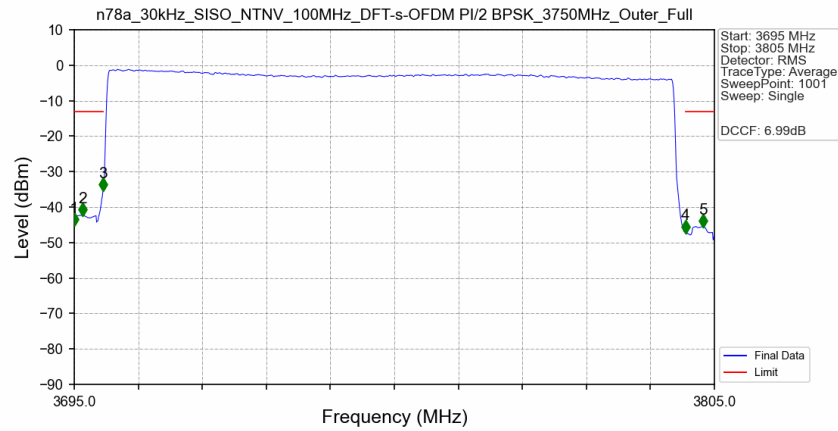
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	898.850	-58.67	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_PI/2_BPSK_3750MHz_Edge_1RB_Left_Ant1



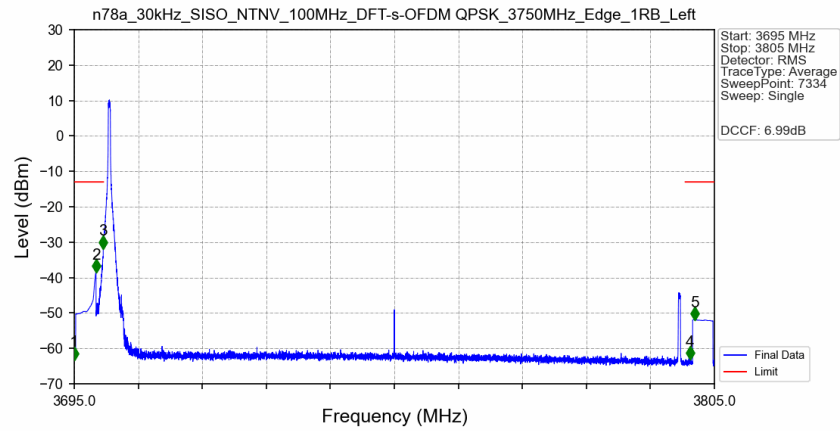
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3652.000	-45.68	-13	Pass
3695	3805	1	/	/	/	/	/	/
3805	38000	1	/	2	36840.000	-42.96	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_PI/2_BPSK_3750MHz_Outer_Full_Ant1



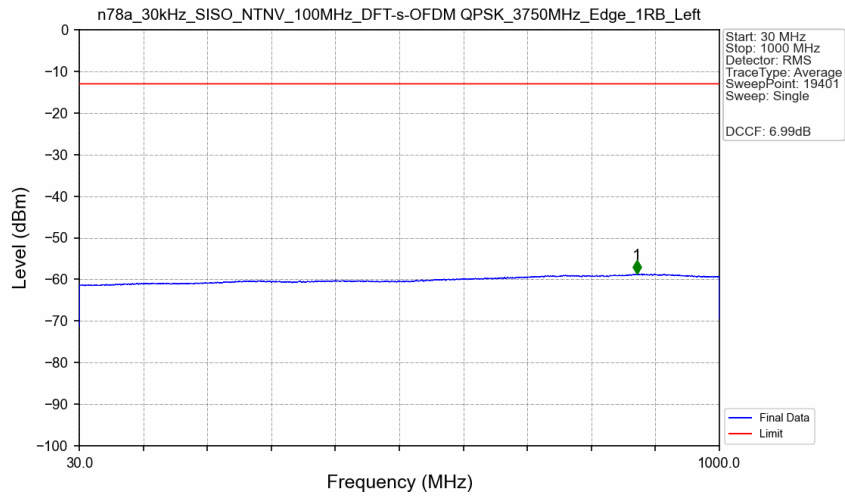
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-45.10	-13	Pass
3695	3699	0.5	CHP	2	3696.430	-42.24	-13	Pass
3699	3700	0.35	CHP	3	3699.950	-35.22	-13	Pass
3700	3800	0.35	CHP	/	/	/	/	/
3800	3801	0.35	CHP	4	3800.050	-47.06	-13	Pass
3801	3805	0.5	CHP	5	3803.020	-45.42	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3750MHz_Edge_1RB_Left_Ant1



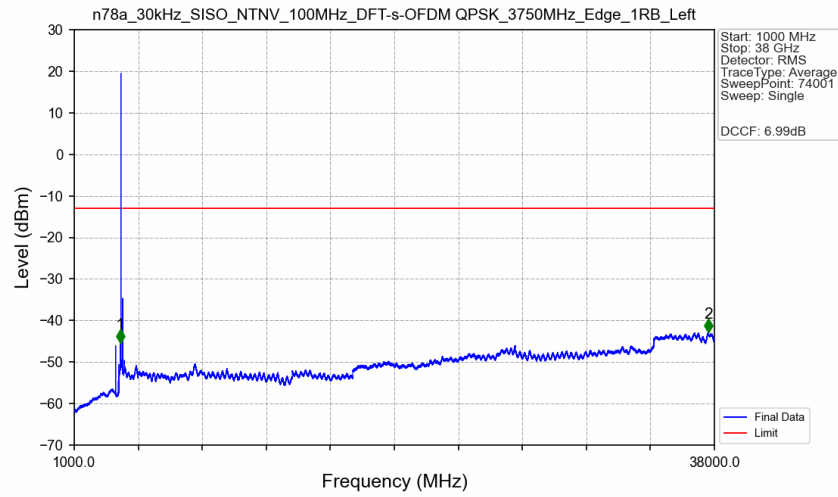
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-62.96	-13	Pass
3695	3699	0.5	CHP	2	3698.735	-38.23	-13	Pass
3699	3700	0.03	/	3	3699.980	-31.53	-13	Pass
3700	3800	0.03	/	/	/	/	/	/
3800	3801	0.03	/	4	3800.830	-62.84	-13	Pass
3801	3805	0.5	CHP	5	3801.595	-51.81	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3750MHz_Edge_1RB_Left_Ant1



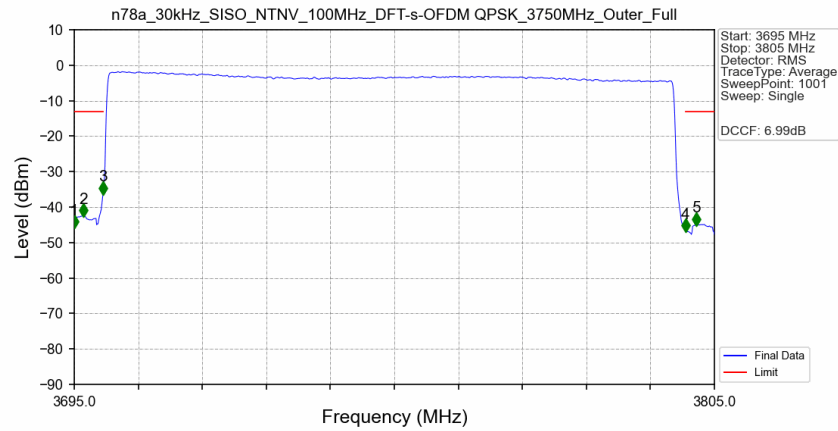
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	874.600	-58.66	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3750MHz_Edge_1RB_Left_Ant1



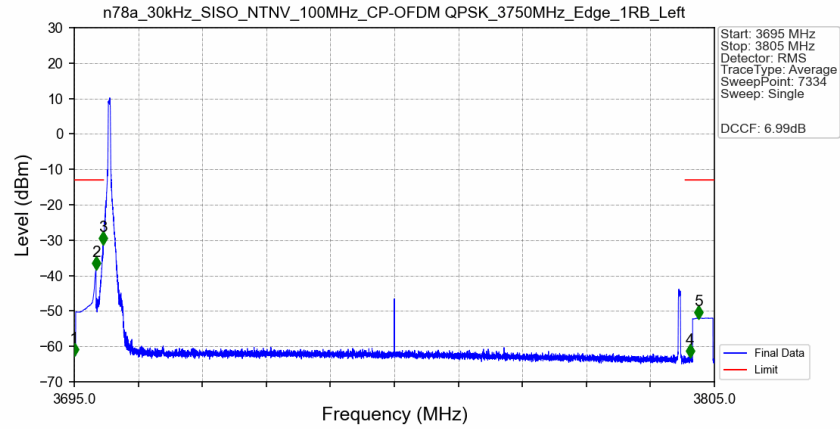
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3652.000	-45.40	-13	Pass
3695	3805	1	/	/	/	/	/	/
3805	38000	1	/	2	37647.500	-42.86	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3750MHz_Outer_Full_Ant1



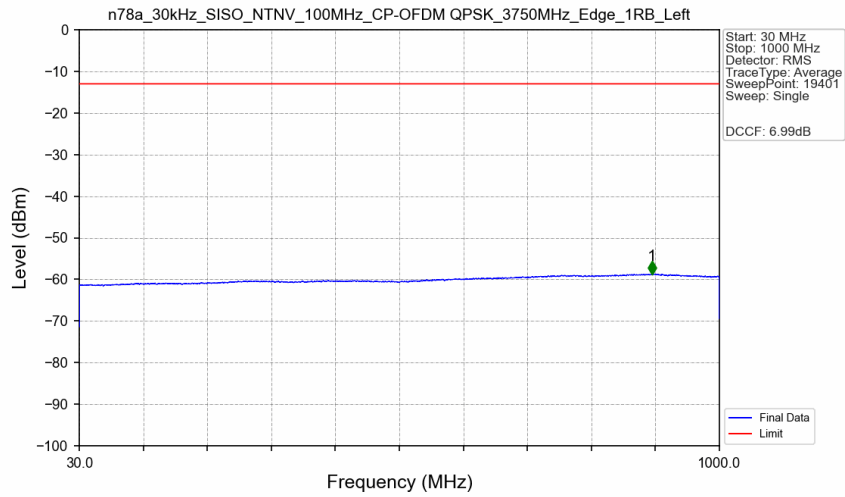
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-45.68	-13	Pass
3695	3699	0.5	CHP	2	3696.540	-42.40	-13	Pass
3699	3700	0.35	CHP	3	3699.950	-36.17	-13	Pass
3700	3800	0.35	CHP	/	/	/	/	/
3800	3801	0.35	CHP	4	3800.050	-46.71	-13	Pass
3801	3805	0.5	CHP	5	3801.920	-44.90	-13	Pass

n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Edge 1RB Left Ant1



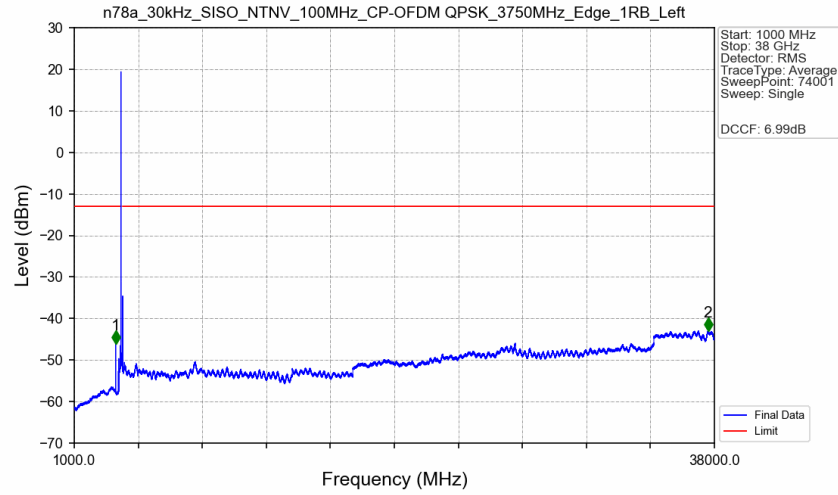
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-62.48	-13	Pass
3695	3699	0.5	CHP	2	3698.735	-38.00	-13	Pass
3699	3700	0.03	/	3	3699.980	-30.98	-13	Pass
3700	3800	0.03	/	/	/	/	/	/
3800	3801	0.03	/	4	3800.815	-62.79	-13	Pass
3801	3805	0.5	CHP	5	3802.255	-51.93	-13	Pass

n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Edge 1RB Left Ant1



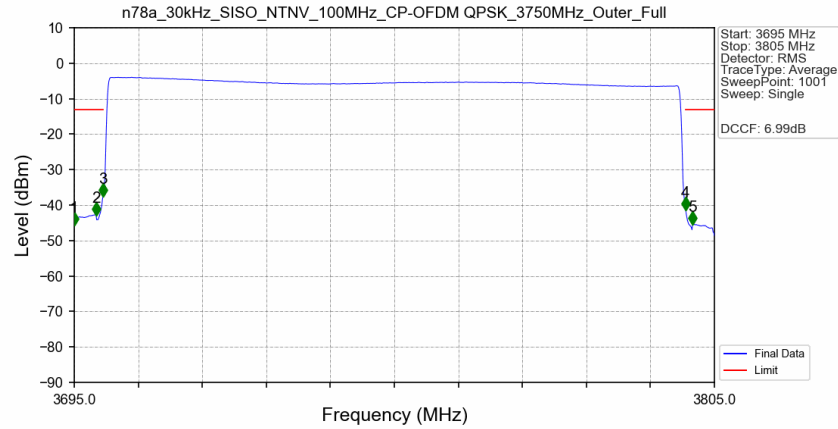
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	897.550	-58.70	-13	Pass

n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Edge 1RB Left Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3394.000	-46.13	-13	Pass
3695	3805	1	/	/	/	/	/	/
3805	38000	1	/	2	37630.500	-42.91	-13	Pass

n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Outer_Full Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-45.50	-13	Pass
3695	3699	0.5	CHP	2	3698.740	-42.66	-13	Pass
3699	3700	0.35	CHP	3	3699.950	-37.41	-13	Pass
3700	3800	0.35	CHP	/	/	/	/	/
3800	3801	0.35	CHP	4	3800.050	-41.13	-13	Pass
3801	3805	0.5	CHP	5	3801.260	-45.30	-13	Pass

6. Field Strength of Spurious Radiation

NR N78b(3700-3800MHz)-FCC-Low channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7310.0	-54.21	-13	-41.21	-60.79	4.93	11.51	Horizontal	Pass
10965.0	-53.48	-13	-40.48	-60.98	5.76	13.26	Horizontal	Pass
14620.0	-53.6	-13	-40.6	-61.3	6.74	14.44	Horizontal	Pass
7310.0	-54.68	-13	-41.68	-61.26	4.93	11.51	Vertical	Pass
10965.0	-53.45	-13	-40.45	-60.95	5.76	13.26	Vertical	Pass
14620.0	-51.66	-13	-38.66	-59.36	6.74	14.44	Vertical	Pass

NR N78b(3700-3800MHz)-FCC-Middle channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7410.0	-56.57	-13	-43.57	-63.26	4.94	11.63	Horizontal	Pass
11115.0	-51.43	-13	-38.43	-58.88	5.81	13.26	Horizontal	Pass
14820.0	-51.59	-13	-38.59	-59.15	6.92	14.48	Horizontal	Pass
7410.0	-54.2	-13	-41.2	-60.89	4.94	11.63	Vertical	Pass
11115.0	-51.8	-13	-38.8	-59.25	5.81	13.26	Vertical	Pass
14820.0	-52.25	-13	-39.25	-59.81	6.92	14.48	Vertical	Pass

NR N78b(3700-3800MHz)-FCC-High channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7510.0	-53.76	-13	-40.76	-60.57	4.94	11.75	Horizontal	Pass
11265.0	-53.84	-13	-40.84	-61.25	5.84	13.25	Horizontal	Pass
15020.0	-50.37	-13	-37.37	-57.8	7.08	14.51	Horizontal	Pass
7510.0	-56.33	-13	-43.33	-63.14	4.94	11.75	Vertical	Pass
11265.0	-53.85	-13	-40.85	-61.26	5.84	13.25	Vertical	Pass
15020.0	-49.68	-13	-36.68	-57.11	7.08	14.51	Vertical	Pass

NSA_5A_n78 b(3700-3800MHz)-FCC-Low channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7310	-53.32	-13	-40.32	-59.9	4.93	11.51	Horizontal	Pass
10965	-52.54	-13	-39.54	-60.04	5.76	13.26	Horizontal	Pass
14620	-54.01	-13	-41.01	-61.71	6.74	14.44	Horizontal	Pass
7310	-53.3	-13	-40.3	-59.88	4.93	11.51	Vertical	Pass
10965	-56.2	-13	-43.2	-63.7	5.76	13.26	Vertical	Pass
14620	-51.76	-13	-38.76	-59.46	6.74	14.44	Vertical	Pass

NSA_5A_n78 b(3700-3800MHz)-FCC-Middle channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7410	-55.18	-13	-42.18	-61.87	4.94	11.63	Horizontal	Pass
11115	-55.29	-13	-42.29	-62.74	5.81	13.26	Horizontal	Pass
14820	-52.56	-13	-39.56	-60.12	6.92	14.48	Horizontal	Pass
7410	-55.43	-13	-42.43	-62.12	4.94	11.63	Vertical	Pass
11115	-53.75	-13	-40.75	-61.2	5.81	13.26	Vertical	Pass
14820	-52.88	-13	-39.88	-60.44	6.92	14.48	Vertical	Pass

NSA_5A_n78 b(3700-3800MHz)-FCC-High channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7510	-55.11	-13	-42.11	-61.92	4.94	11.75	Horizontal	Pass
11265	-54.3	-13	-41.3	-61.71	5.84	13.25	Horizontal	Pass
15020	-50.6	-13	-37.6	-58.03	7.08	14.51	Horizontal	Pass
7510	-55.72	-13	-42.72	-62.53	4.94	11.75	Vertical	Pass
11265	-54.16	-13	-41.16	-61.57	5.84	13.25	Vertical	Pass
15020	-50.34	-13	-37.34	-57.77	7.08	14.51	Vertical	Pass

NSA_7A_n78 b(3700-3800MHz)-FCC-Low channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7310	-55.82	-13	-42.82	-62.4	4.93	11.51	Horizontal	Pass
10965	-55.9	-13	-42.9	-63.4	5.76	13.26	Horizontal	Pass
14620	-52.28	-13	-39.28	-59.98	6.74	14.44	Horizontal	Pass
7310	-54.08	-13	-41.08	-60.66	4.93	11.51	Vertical	Pass
10965	-54.44	-13	-41.44	-61.94	5.76	13.26	Vertical	Pass
14620	-52.58	-13	-39.58	-60.28	6.74	14.44	Vertical	Pass

NSA_7A_n78 b(3700-3800MHz)-FCC-Middle channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7410	-55.37	-13	-42.37	-62.06	4.94	11.63	Horizontal	Pass
11115	-54.3	-13	-41.3	-61.75	5.81	13.26	Horizontal	Pass
14820	-53.45	-13	-40.45	-61.01	6.92	14.48	Horizontal	Pass
7410	-53.51	-13	-40.51	-60.2	4.94	11.63	Vertical	Pass
11115	-54.43	-13	-41.43	-61.88	5.81	13.26	Vertical	Pass
14820	-53.34	-13	-40.34	-60.9	6.92	14.48	Vertical	Pass

NSA_7A_n78 b(3700-3800MHz)-FCC-High channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7510	-56.19	-13	-43.19	-63.0	4.94	11.75	Horizontal	Pass
11265	-55.09	-13	-42.09	-62.5	5.84	13.25	Horizontal	Pass
15020	-49.51	-13	-36.51	-56.94	7.08	14.51	Horizontal	Pass
7510	-56.15	-13	-43.15	-62.96	4.94	11.75	Vertical	Pass
11265	-53.69	-13	-40.69	-61.1	5.84	13.25	Vertical	Pass
15020	-51.76	-13	-38.76	-59.19	7.08	14.51	Vertical	Pass

NSA_38A_n78 b(3700-3800MHz)-FCC-Low channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7310	-55.22	-13	-42.22	-61.8	4.93	11.51	Horizontal	Pass
10965	-53.98	-13	-40.98	-61.48	5.76	13.26	Horizontal	Pass
14620	-52.76	-13	-39.76	-60.46	6.74	14.44	Horizontal	Pass
7310	-54.32	-13	-41.32	-60.9	4.93	11.51	Vertical	Pass
10965	-53.85	-13	-40.85	-61.35	5.76	13.26	Vertical	Pass
14620	-54.06	-13	-41.06	-61.76	6.74	14.44	Vertical	Pass

NSA_38A_n78 b(3700-3800MHz)-FCC-Middle channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7410	-55.49	-13	-42.49	-62.18	4.94	11.63	Horizontal	Pass
11115	-52.87	-13	-39.87	-60.32	5.81	13.26	Horizontal	Pass
14820	-50.81	-13	-37.81	-58.37	6.92	14.48	Horizontal	Pass
7410	-55.73	-13	-42.73	-62.42	4.94	11.63	Vertical	Pass
11115	-53.59	-13	-40.59	-61.04	5.81	13.26	Vertical	Pass
14820	-52.62	-13	-39.62	-60.18	6.92	14.48	Vertical	Pass

NSA_38A_n78 b(3700-3800MHz)-FCC-High channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7510	-54.84	-13	-41.84	-61.65	4.94	11.75	Horizontal	Pass
11265	-53.31	-13	-40.31	-60.72	5.84	13.25	Horizontal	Pass
15020	-50.16	-13	-37.16	-57.59	7.08	14.51	Horizontal	Pass
7510	-54.63	-13	-41.63	-61.44	4.94	11.75	Vertical	Pass
11265	-52.74	-13	-39.74	-60.15	5.84	13.25	Vertical	Pass
15020	-50.24	-13	-37.24	-57.67	7.08	14.51	Vertical	Pass

NSA_41A_n78 b(3700-3800MHz)-FCC-Low channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7310	-52.85	-13	-39.85	-59.43	4.93	11.51	Horizontal	Pass
10965	-53.36	-13	-40.36	-60.86	5.76	13.26	Horizontal	Pass
14620	-54.06	-13	-41.06	-61.76	6.74	14.44	Horizontal	Pass
7310	-53.26	-13	-40.26	-59.84	4.93	11.51	Vertical	Pass
10965	-55.14	-13	-42.14	-62.64	5.76	13.26	Vertical	Pass
14620	-54.2	-13	-41.2	-61.9	6.74	14.44	Vertical	Pass

NSA_41A_n78 b(3700-3800MHz)-FCC-Middle channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7410	-54.48	-13	-41.48	-61.17	4.94	11.63	Horizontal	Pass
11115	-55.27	-13	-42.27	-62.72	5.81	13.26	Horizontal	Pass
14820	-52.05	-13	-39.05	-59.61	6.92	14.48	Horizontal	Pass
7410	-53.67	-13	-40.67	-60.36	4.94	11.63	Vertical	Pass
11115	-54.25	-13	-41.25	-61.7	5.81	13.26	Vertical	Pass
14820	-53.53	-13	-40.53	-61.09	6.92	14.48	Vertical	Pass

NSA_41A_n78 b(3700-3800MHz)-FCC-High channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7510	-56.89	-13	-43.89	-63.7	4.94	11.75	Horizontal	Pass
11265	-53.99	-13	-40.99	-61.4	5.84	13.25	Horizontal	Pass
15020	-50.85	-13	-37.85	-58.28	7.08	14.51	Horizontal	Pass
7510	-57.11	-13	-44.11	-63.92	4.94	11.75	Vertical	Pass
11265	-52.84	-13	-39.84	-60.25	5.84	13.25	Vertical	Pass
15020	-49.38	-13	-36.38	-56.81	7.08	14.51	Vertical	Pass