1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 CA_38C_NTNV_EIRP

Band: CA_38C / NTNV										
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	Conducted Power (dBm)			Gain (dBi)	EIRP (dBm)		Verdict
				CC1	CC2	Sum		Result	Limit	
CC1:15 CC2:15	CC1: QPSK CC2: QPSK	CC1:2577.5 CC2:2592.5	CC1: 1@0 CC2: 0@0	24.05	-29.97	24.05	0.60	24.65	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	21.00	20.89	23.95	0.60	24.55	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	17.52	17.25	20.40	0.60	21.00	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	20.22	19.63	22.95	0.60	23.55	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	19.00	18.87	21.95	0.60	22.55	<=33.01	Pass
		CC1:2587.5 CC2:2602.5	CC1: 1@0 CC2: 0@0	23.95	-29.67	23.95	0.60	24.55	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	20.71	21.11	23.92	0.60	24.52	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	17.44	17.15	20.31	0.60	20.91	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	19.84	19.79	22.83	0.60	23.43	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.93	18.77	21.87	0.60	22.47	<=33.01	Pass
		CC1:2597.5 CC2:2612.5	CC1: 1@0 CC2: 0@0	23.81	-29.93	23.81	0.60	24.41	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	20.53	21.12	23.85	0.60	24.45	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	17.45	17.05	20.27	0.60	20.87	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	19.87	19.76	22.83	0.60	23.43	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.95	18.70	21.84	0.60	22.44	<=33.01	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2577.5 CC2:2592.5	CC1: 1@0 CC2: 0@0	22.75	-30.62	22.75	0.60	23.35	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	20.02	20.03	23.04	0.60	23.64	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	17.51	17.24	20.39	0.60	20.99	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	18.53	19.29	21.94	0.60	22.54	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.32	17.62	21.00	0.60	21.60	<=33.01	Pass
		CC1:2587.5 CC2:2602.5	CC1: 1@0 CC2: 0@0	23.09	-30.18	23.09	0.60	23.69	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	19.98	19.99	22.99	0.60	23.59	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	17.44	17.16	20.31	0.60	20.91	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	18.86	18.81	21.85	0.60	22.45	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	17.94	17.78	20.87	0.60	21.47	<=33.01	Pass

		CC1:2597.5 CC2:2612.5	CC1: 1@0 CC2: 0@0	22.95	-30.65	22.95	0.60	23.55	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	19.88	19.85	22.88	0.60	23.48	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	17.46	17.07	20.28	0.60	20.88	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	18.87	18.76	21.83	0.60	22.43	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	17.96	17.72	20.85	0.60	21.45	<=33.01	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2577.5 CC2:2592.5	CC1: 1@0 CC2: 0@0	24.03	-30.16	24.03	0.60	24.63	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	17.64	17.66	20.66	0.60	21.26	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	17.55	17.28	20.42	0.60	21.02	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	17.96	17.95	20.97	0.60	21.57	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.32	17.60	20.99	0.60	21.59	<=33.01	Pass
		CC1:2587.5 CC2:2602.5	CC1: 1@0 CC2: 0@0	21.70	-31.63	21.70	0.60	22.30	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	17.49	17.66	20.59	0.60	21.19	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	17.48	17.19	20.35	0.60	20.95	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	17.87	17.83	20.86	0.60	21.46	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	17.94	17.79	20.88	0.60	21.48	<=33.01	Pass
		CC1:2597.5 CC2:2612.5	CC1: 1@0 CC2: 0@0	21.51	-32.08	21.51	0.60	22.11	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	17.40	17.63	20.53	0.60	21.13	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	17.49	17.10	20.31	0.60	20.91	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	17.89	17.79	20.85	0.60	21.45	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	17.97	17.73	20.86	0.60	21.46	<=33.01	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2577.5 CC2:2592.5	CC1: 1@0 CC2: 0@0	18.96	-35.54	18.96	0.60	19.56	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	15.84	15.85	18.86	0.60	19.46	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	15.56	15.30	18.44	0.60	19.04	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	15.97	15.96	18.97	0.60	19.57	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	16.03	15.90	18.98	0.60	19.58	<=33.01	Pass
		CC1:2587.5 CC2:2602.5	CC1: 1@0 CC2: 0@0	18.86	-34.96	18.86	0.60	19.46	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	15.81	15.81	18.82	0.60	19.42	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	15.47	15.18	18.33	0.60	18.93	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	15.89	15.85	18.88	0.60	19.48	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	15.94	15.79	18.87	0.60	19.47	<=33.01	Pass
		CC1:2597.5	CC1: 1@0	18.72	-35.16	18.72	0.60	19.32	<=33.01	Pass

		CC2:2612.5	CC2: 0@0							
			CC1: 1@74 CC2: 1@0	15.76	15.74	18.76	0.60	19.36	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	15.50	15.11	18.32	0.60	18.92	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	16.25	15.39	18.86	0.60	19.46	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	15.54	16.11	18.84	0.60	19.44	<=33.01	Pass
CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 0@0	24.04	-30.89	24.04	0.60	24.64	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	21.54	19.83	23.78	0.60	24.38	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	17.60	17.09	20.37	0.60	20.97	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	19.56	20.25	22.93	0.60	23.53	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	17.95	19.59	21.85	0.60	22.45	<=33.01	Pass
		CC1:2585.1 CC2:2604.9	CC1: 1@0 CC2: 0@0	23.97	-30.47	23.97	0.60	24.57	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	20.76	20.77	23.78	0.60	24.38	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	17.56	17.06	20.33	0.60	20.93	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	19.93	19.84	22.90	0.60	23.50	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.98	18.69	21.85	0.60	22.45	<=33.01	Pass
		CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 0@0	23.94	-30.15	23.94	0.60	24.54	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	19.75	21.63	23.80	0.60	24.40	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	17.57	17.03	20.32	0.60	20.92	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	19.01	20.57	22.87	0.60	23.47	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	19.00	18.66	21.85	0.60	22.45	<=33.01	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 0@0	23.16	-31.54	23.16	0.60	23.76	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	19.94	19.94	22.95	0.60	23.55	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	17.65	17.13	20.41	0.60	21.01	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	18.05	19.71	21.97	0.60	22.57	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.06	17.78	20.94	0.60	21.54	<=33.01	Pass
		CC1:2585.1 CC2:2604.9	CC1: 1@0 CC2: 0@0	22.28	-32.01	22.28	0.60	22.88	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	19.89	19.89	22.90	0.60	23.50	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	17.61	17.11	20.38	0.60	20.98	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	18.55	19.23	21.91	0.60	22.51	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	17.54	18.13	20.86	0.60	21.46	<=33.01	Pass
		CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 0@0	23.07	-29.96	23.07	0.60	23.67	<=33.01	Pass

			CC1: 1@99 CC2: 1@0	19.52	20.33	22.95	0.60	23.55	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	17.61	17.07	20.35	0.60	20.95	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	18.53	19.23	21.91	0.60	22.51	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.01	17.67	20.85	0.60	21.45	<=33.01	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 0@0	22.88	-31.32	22.88	0.60	23.48	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	17.65	17.54	20.60	0.60	21.20	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	16.93	17.63	20.31	0.60	20.91	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	17.89	17.88	20.89	0.60	21.49	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.08	17.76	20.93	0.60	21.53	<=33.01	Pass
		CC1:2585.1 CC2:2604.9	CC1: 1@0 CC2: 0@0	21.68	-32.17	21.68	0.60	22.28	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	17.53	17.53	20.54	0.60	21.14	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	17.68	16.99	20.36	0.60	20.96	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	17.93	17.84	20.90	0.60	21.50	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	17.99	17.71	20.86	0.60	21.46	<=33.01	Pass
		CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 0@0	21.63	-33.23	21.63	0.60	22.23	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	17.56	17.54	20.56	0.60	21.16	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	17.52	17.15	20.35	0.60	20.95	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	18.29	17.44	20.90	0.60	21.50	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.01	17.67	20.86	0.60	21.46	<=33.01	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 0@0	18.93	-37.71	18.93	0.60	19.53	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	15.77	15.77	18.78	0.60	19.38	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	15.69	15.18	18.45	0.60	19.05	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	15.53	16.38	18.98	0.60	19.58	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	16.04	15.76	18.91	0.60	19.51	<=33.01	Pass
		CC1:2585.1 CC2:2604.9	CC1: 1@0 CC2: 0@0	18.85	-37.25	18.85	0.60	19.45	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	15.75	15.74	18.75	0.60	19.35	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	15.64	15.15	18.41	0.60	19.01	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	15.97	15.88	18.93	0.60	19.53	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	15.99	15.71	18.86	0.60	19.46	<=33.01	Pass
		CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 0@0	18.83	-37.25	18.83	0.60	19.43	<=33.01	Pass
			CC1: 1@99	15.80	15.78	18.80	0.60	19.40	<=33.01	Pass

			CC2: 1@0							
			CC1: 50@0 CC2: 50@50	15.65	15.11	18.40	0.60	19.00	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	16.00	15.85	18.93	0.60	19.53	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	16.01	15.68	18.86	0.60	19.46	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain										

2. 99% & 26dB Bandwidth

2.1 Test Result

2.1.1 CA_38C_NTNV_OBW

Band: CA_38C / NTNV						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	99% Occupied Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:15 CC2:15	CC1: QPSK CC2: QPSK	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	28.74	/	Pass
		CC1:2587.5 CC2:2602.5	CC1: 75@0 CC2: 75@0	28.75	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	28.74	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	28.65	/	Pass
		CC1:2587.5 CC2:2602.5	CC1: 75@0 CC2: 75@0	28.60	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	28.60	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	28.62	/	Pass
		CC1:2587.5 CC2:2602.5	CC1: 75@0 CC2: 75@0	28.66	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	28.58	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	28.68	/	Pass
		CC1:2587.5 CC2:2602.5	CC1: 75@0 CC2: 75@0	28.72	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	28.63	/	Pass
CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	38.10	/	Pass
		CC1:2585.1 CC2:2604.9	CC1: 100@0 CC2: 100@0	37.95	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	37.96	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	38.10	/	Pass
		CC1:2585.1 CC2:2604.9	CC1: 100@0 CC2: 100@0	37.92	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	38.01	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	37.90	/	Pass
		CC1:2585.1 CC2:2604.9	CC1: 100@0 CC2: 100@0	37.95	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	37.78	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	38.00	/	Pass
		CC1:2585.1 CC2:2604.9	CC1: 100@0 CC2: 100@0	37.88	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	38.05	/	Pass

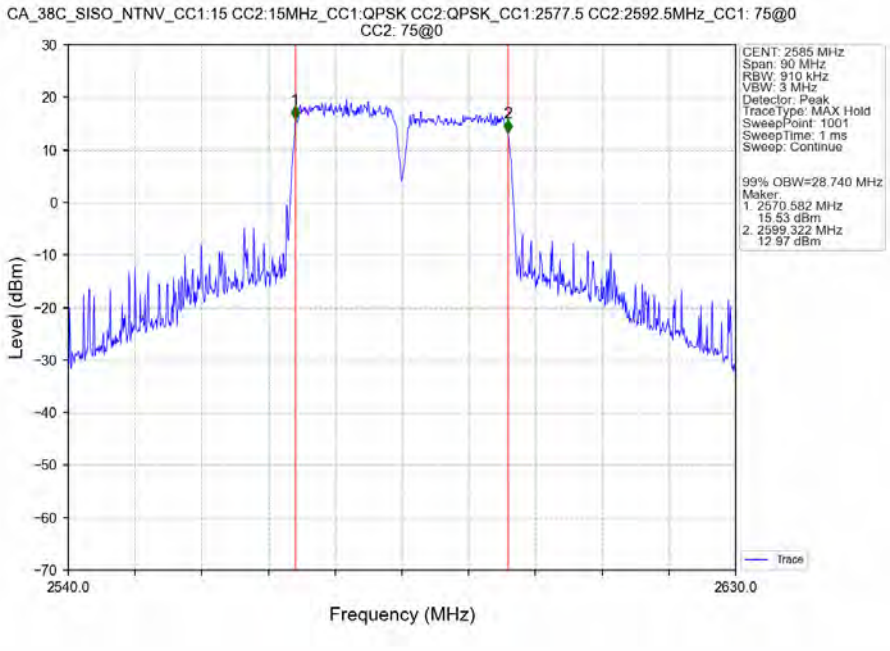
2.1.2 CA_38C_NTNV_XDB

Band: CA_38C / NTNV						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	26dB Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:15 CC2:15	CC1: QPSK CC2: QPSK	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	37.58	/	Pass
		CC1:2587.5 CC2:2602.5	CC1: 75@0 CC2: 75@0	48.99	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	43.94	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	30.47	/	Pass
		CC1:2587.5 CC2:2602.5	CC1: 75@0 CC2: 75@0	32.98	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	30.54	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	33.68	/	Pass
		CC1:2587.5 CC2:2602.5	CC1: 75@0 CC2: 75@0	52.40	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	50.41	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	39.10	/	Pass
		CC1:2587.5 CC2:2602.5	CC1: 75@0 CC2: 75@0	39.55	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	32.64	/	Pass
CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	47.71	/	Pass
		CC1:2585.1 CC2:2604.9	CC1: 100@0 CC2: 100@0	45.82	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	58.28	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	45.25	/	Pass
		CC1:2585.1 CC2:2604.9	CC1: 100@0 CC2: 100@0	44.82	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	51.13	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	40.37	/	Pass
		CC1:2585.1 CC2:2604.9	CC1: 100@0 CC2: 100@0	45.30	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	41.47	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	48.66	/	Pass
		CC1:2585.1 CC2:2604.9	CC1: 100@0 CC2: 100@0	58.33	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	50.64	/	Pass

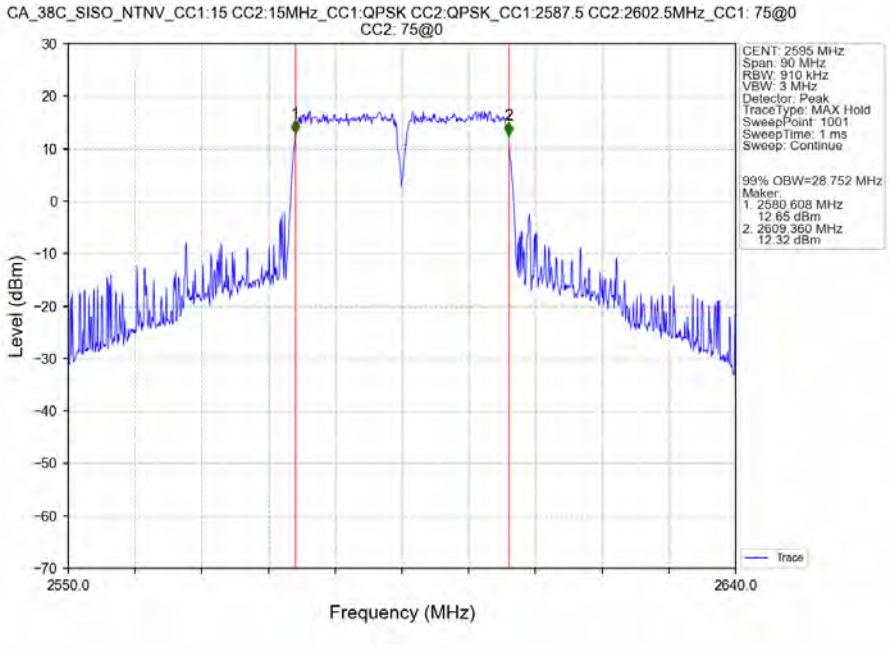
2.2 Test Graph

2.2.1 CA_38C_NTNV_OBW

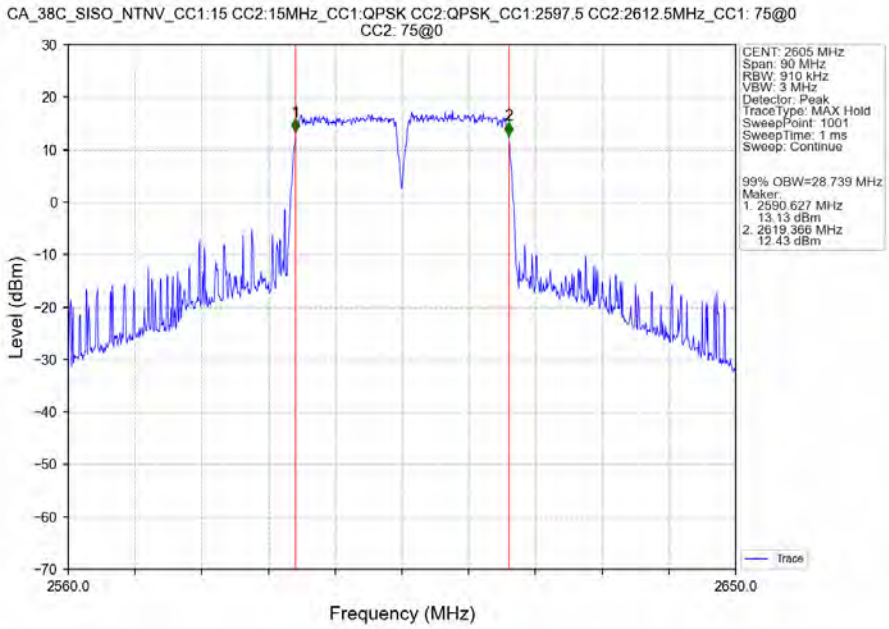
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0



CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2587.5 CC2:2602.5MHz_CC1: 75@0 CC2: 75@0

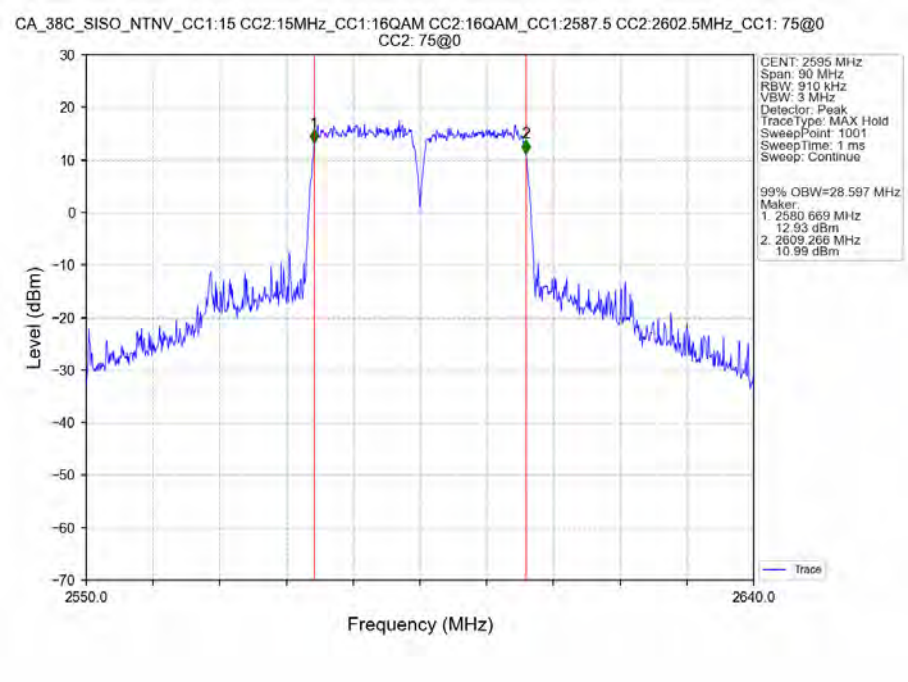


CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0

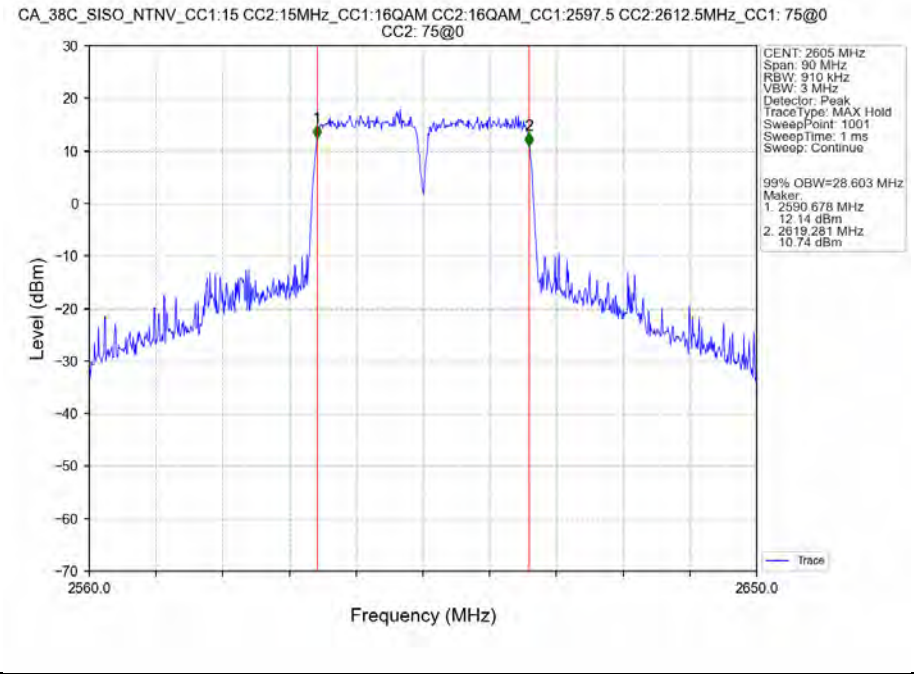


CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:16QAM CC2:16QAM_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0

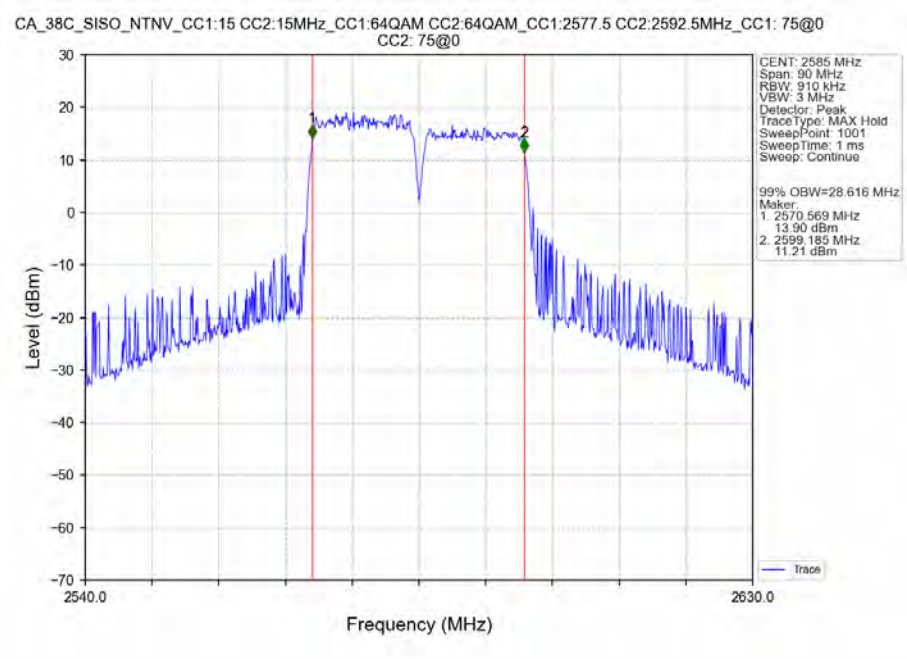
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:16QAM CC2:16QAM_CC1:2587.5 CC2:2602.5MHz_CC1: 75@0 CC2: 75@0



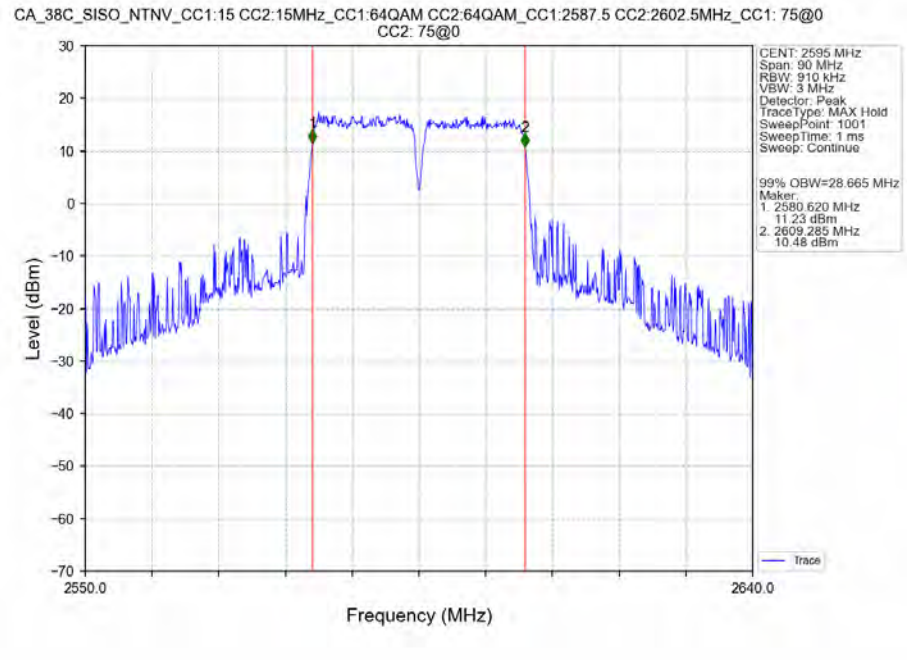
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:16QAM CC2:16QAM_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0



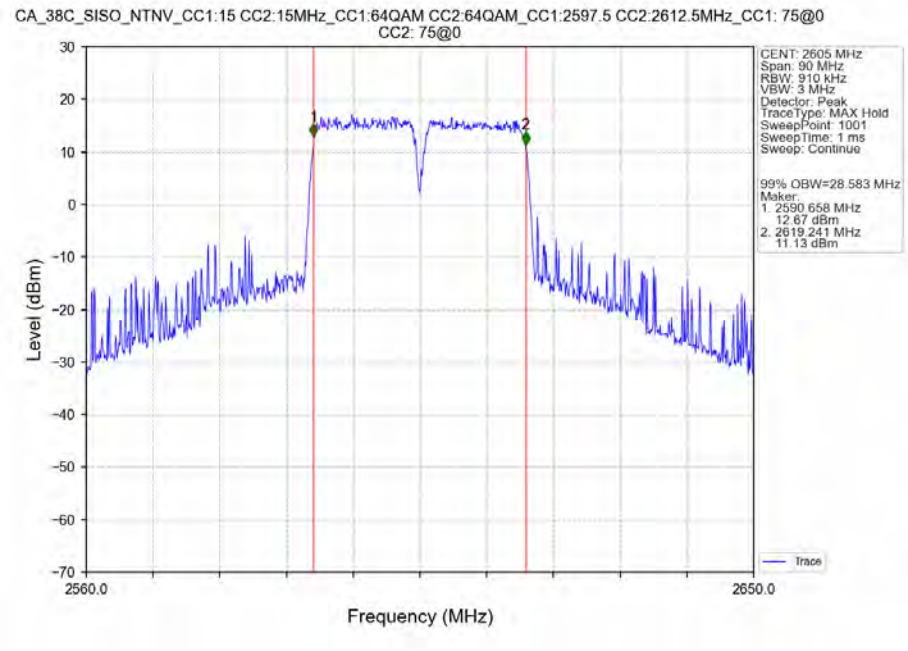
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:64QAM CC2:64QAM_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0



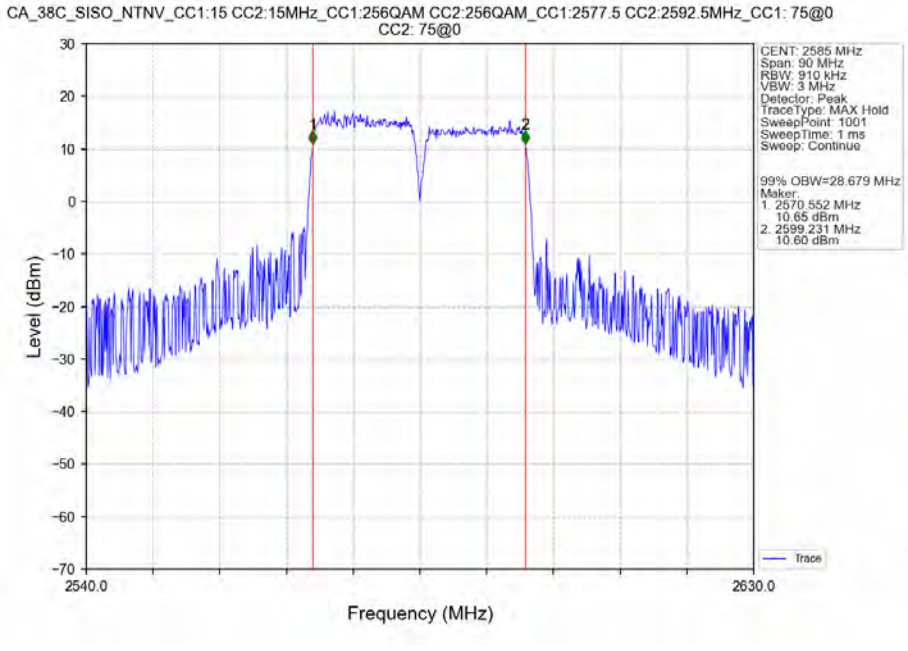
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:64QAM CC2:64QAM_CC1:2587.5 CC2:2602.5MHz_CC1: 75@0 CC2: 75@0



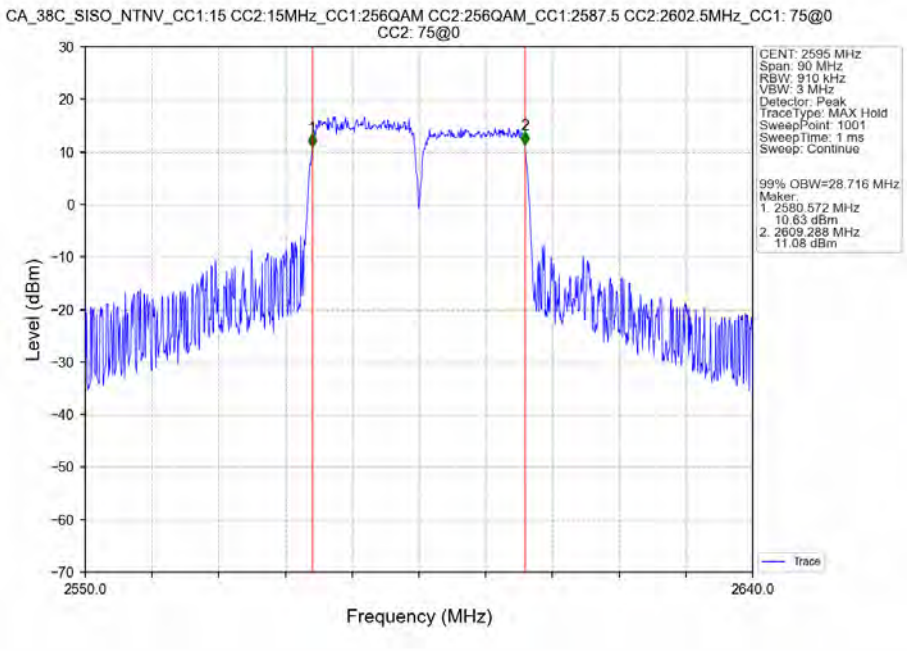
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:64QAM CC2:64QAM_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0



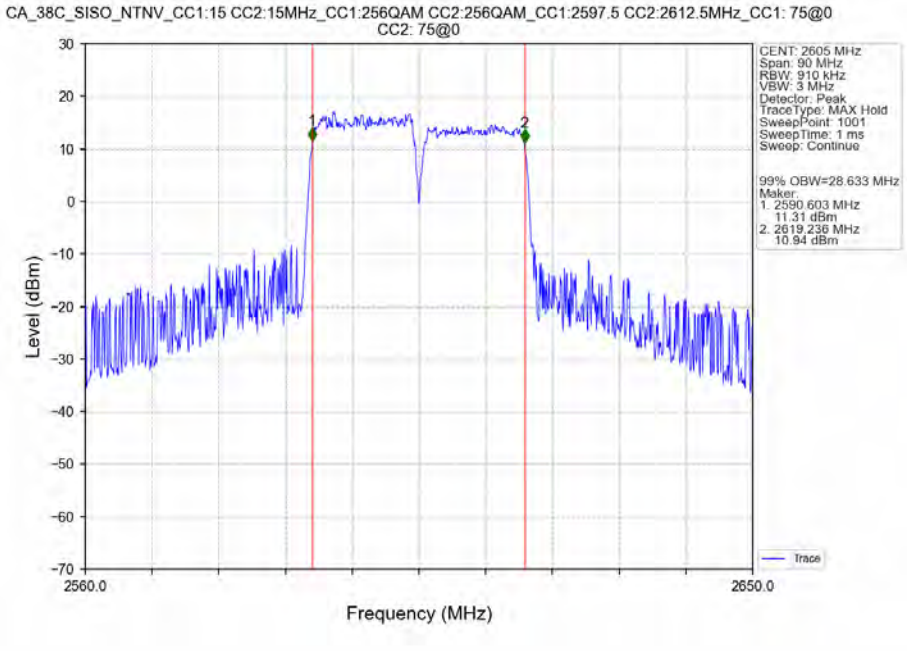
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:256QAM CC2:256QAM_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0



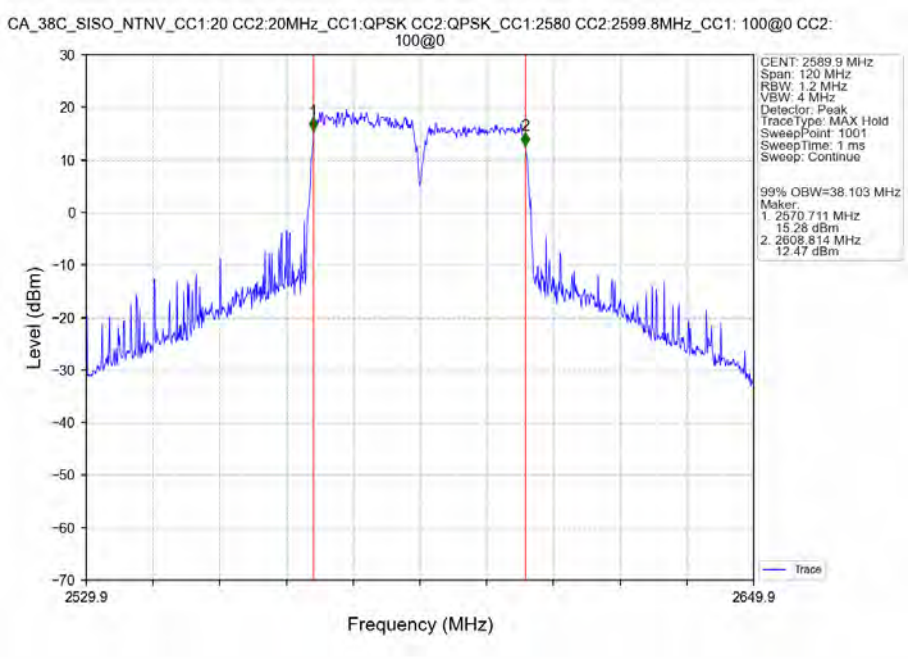
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:256QAM CC2:256QAM_CC1:2587.5 CC2:2602.5MHz_CC1: 75@0 CC2: 75@0



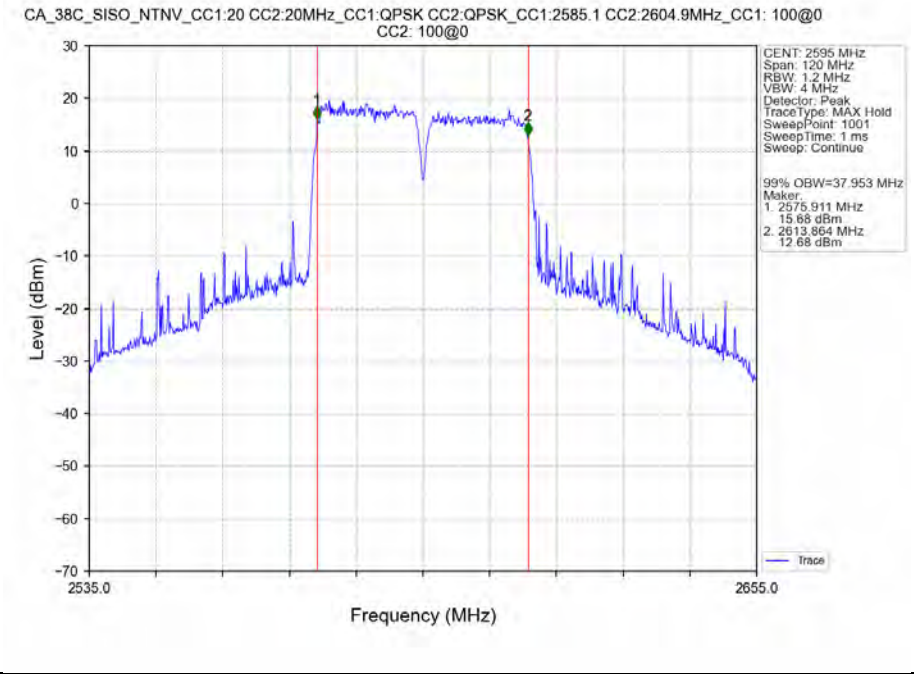
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:256QAM CC2:256QAM_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0



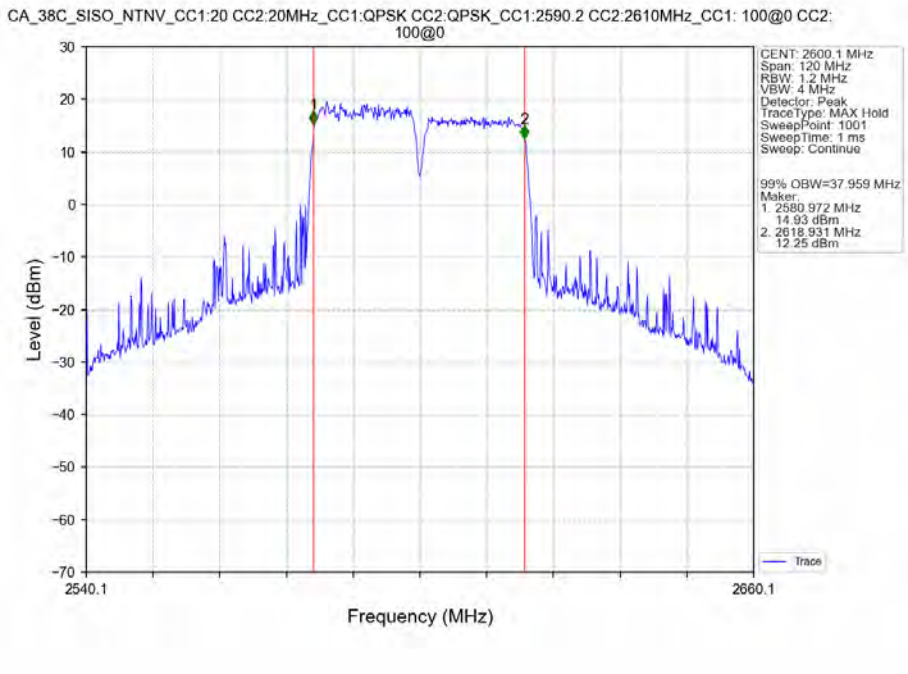
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0



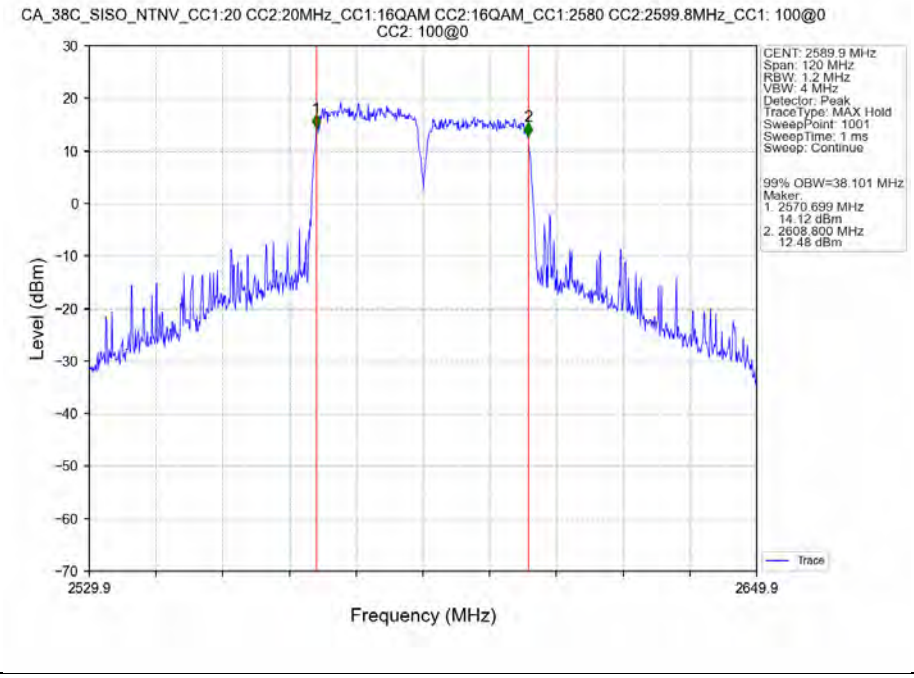
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2585.1 CC2:2604.9MHz_CC1: 100@0 CC2: 100@0



CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0

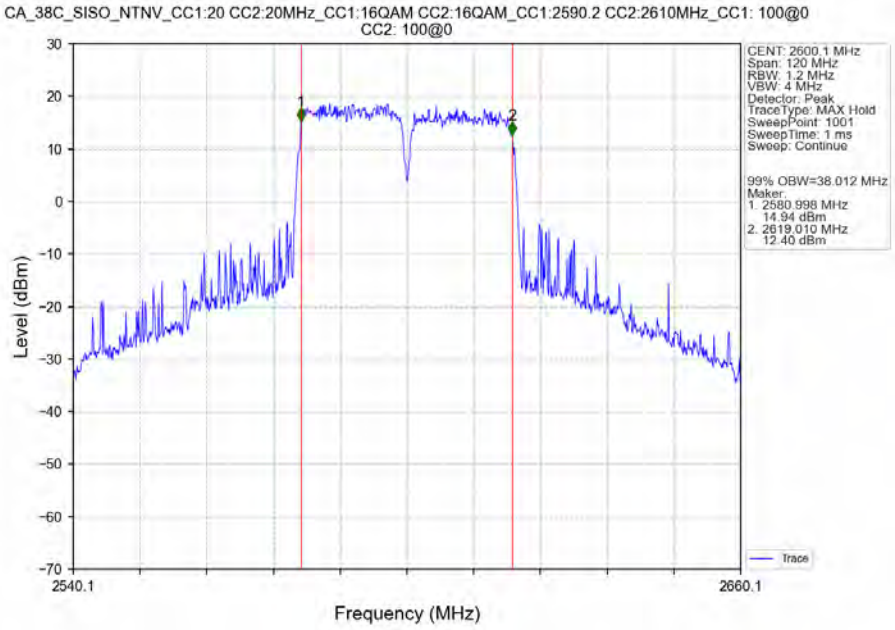


CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:16QAM CC2:16QAM_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0

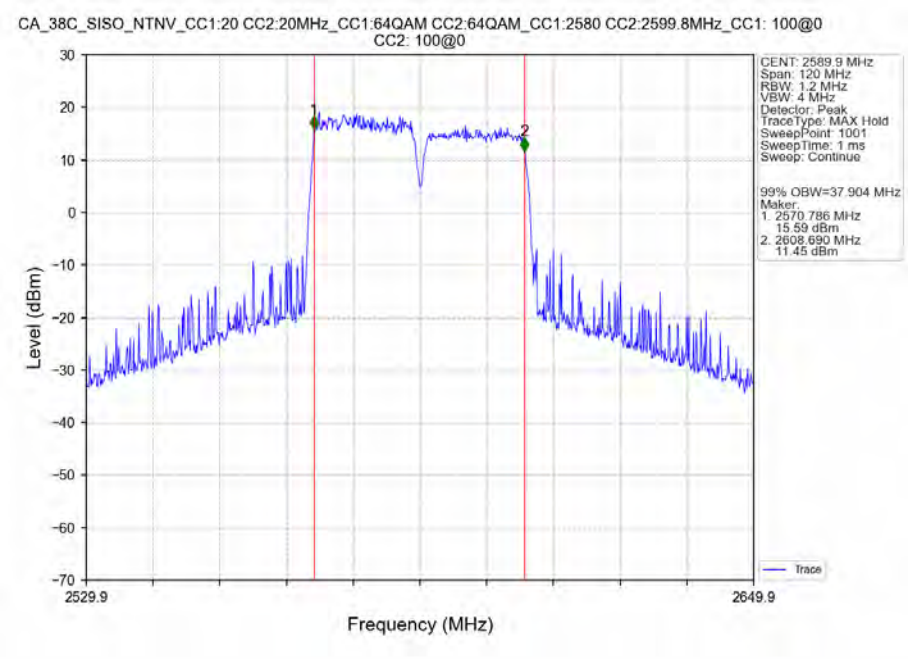


CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:16QAM CC2:16QAM_CC1:2585.1 CC2:2604.9MHz_CC1: 100@0 CC2: 100@0

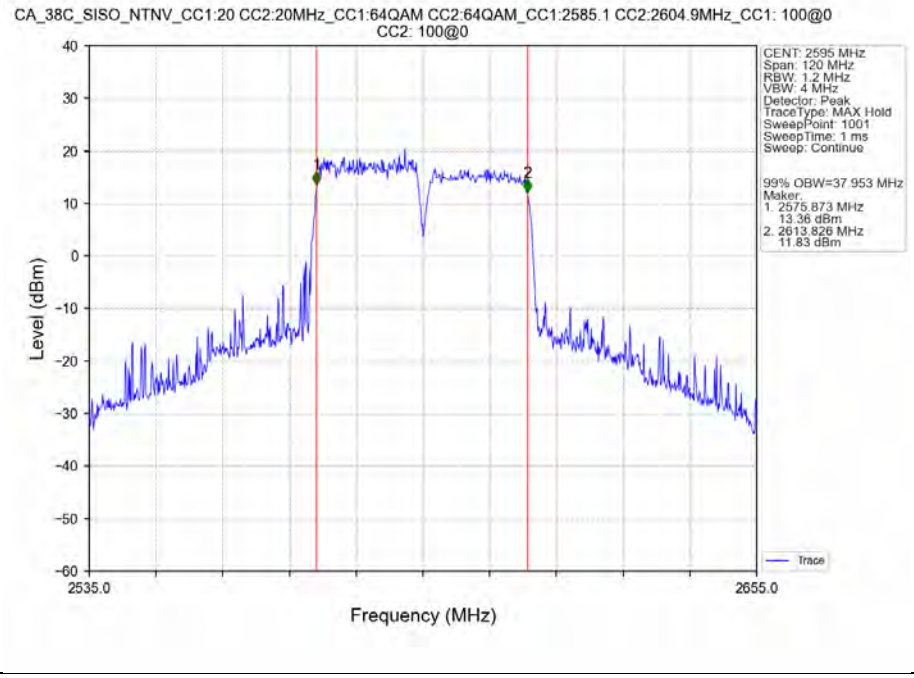
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:16QAM CC2:16QAM_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0



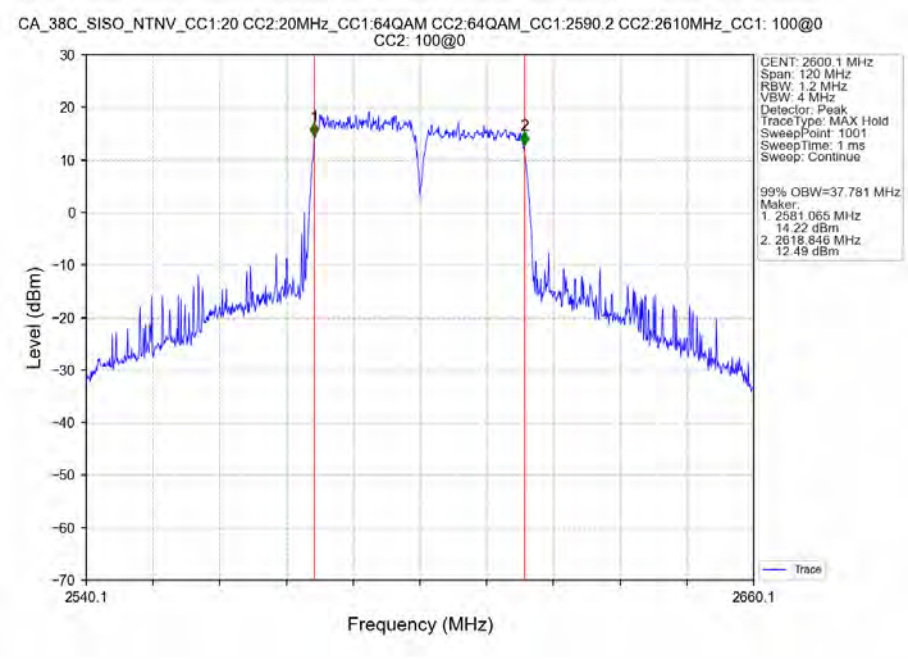
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:64QAM CC2:64QAM_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0



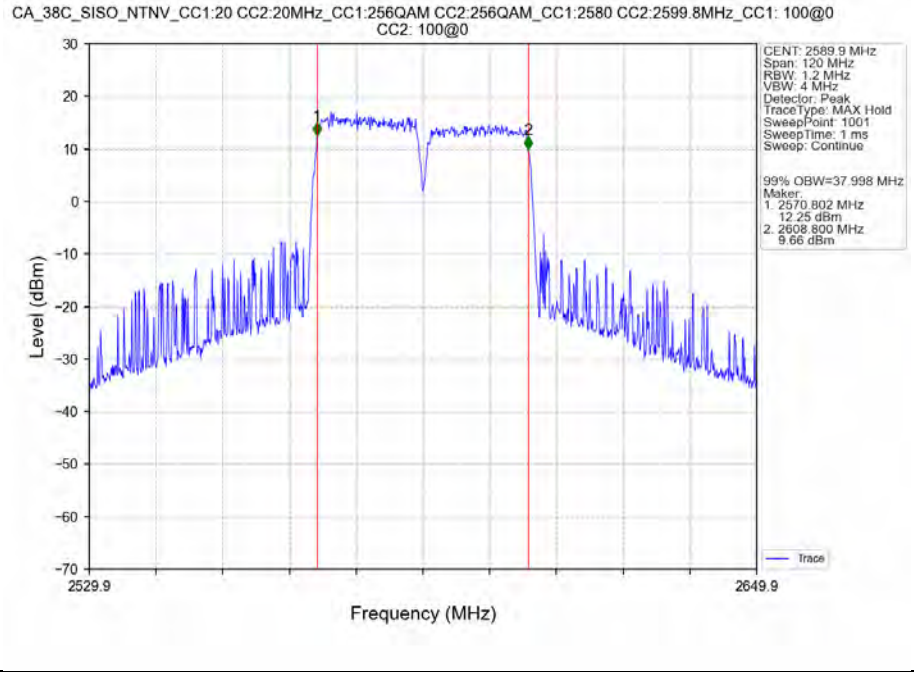
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:64QAM CC2:64QAM_CC1:2585.1 CC2:2604.9MHz_CC1: 100@0 CC2: 100@0



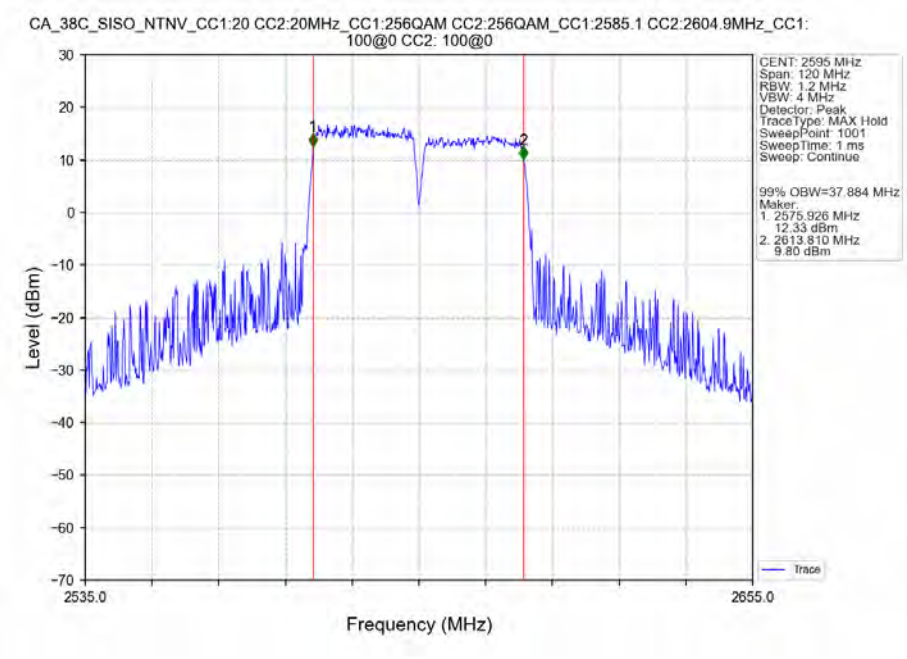
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:64QAM CC2:64QAM_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0



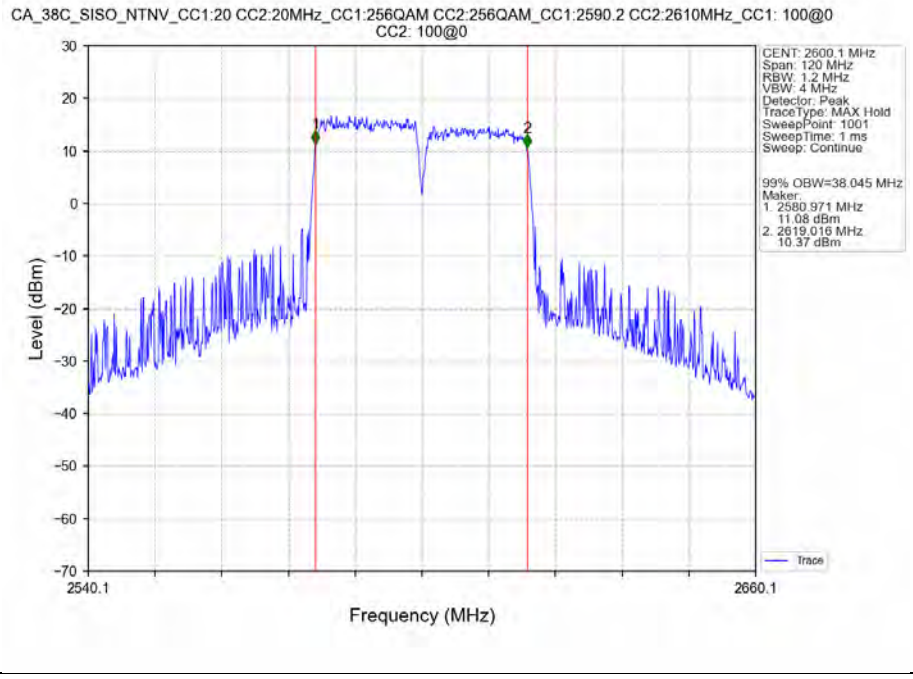
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:256QAM CC2:256QAM_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0



CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:256QAM CC2:256QAM_CC1:2585.1 CC2:2604.9MHz_CC1: 100@0 CC2: 100@0

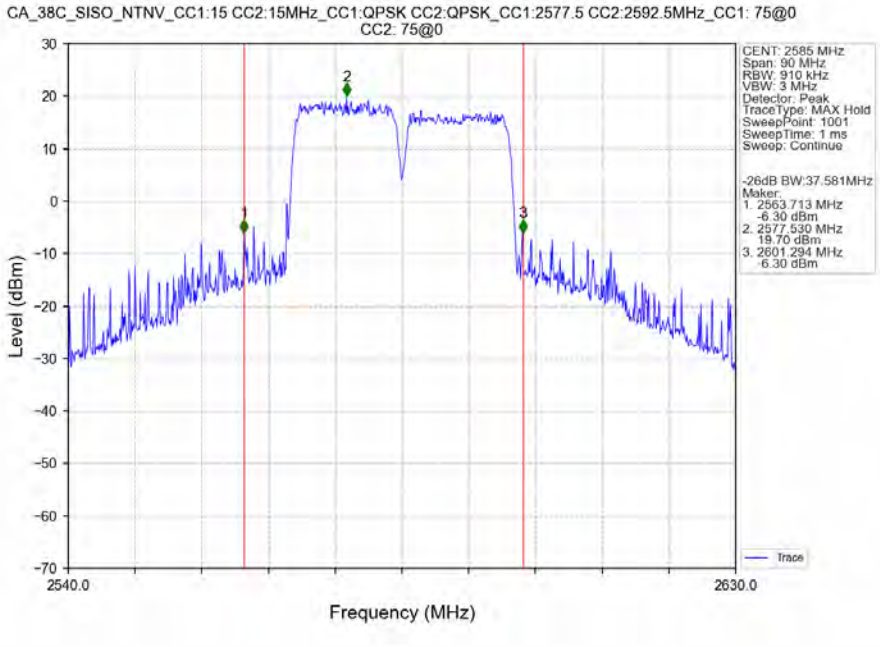


CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:256QAM CC2:256QAM_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0

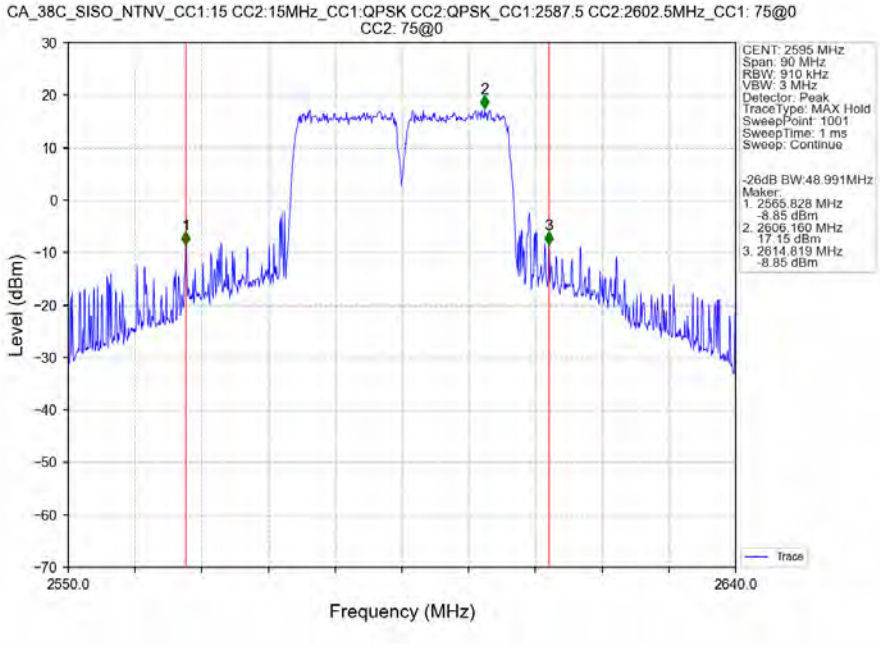


2.2.2 CA_38C_NTNV_XDB

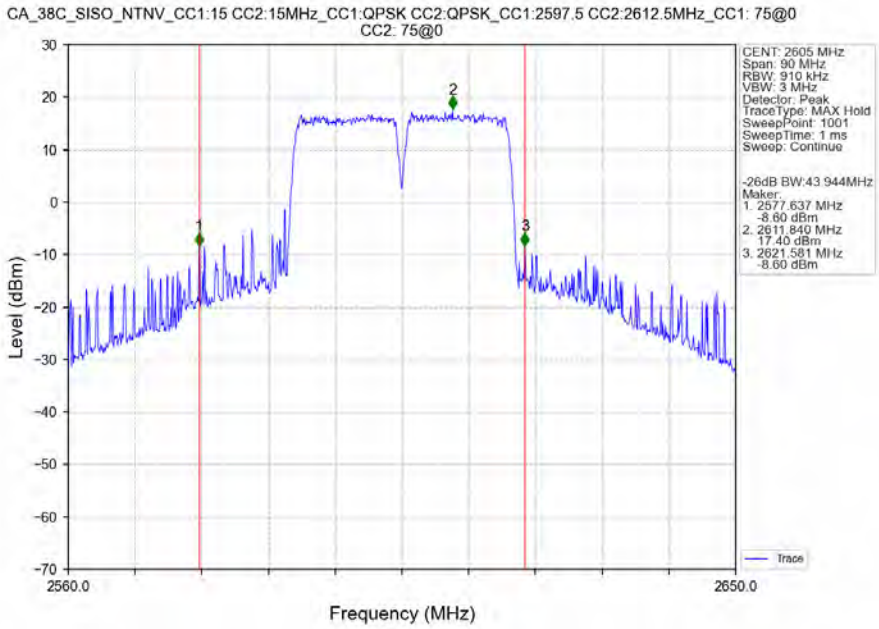
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0



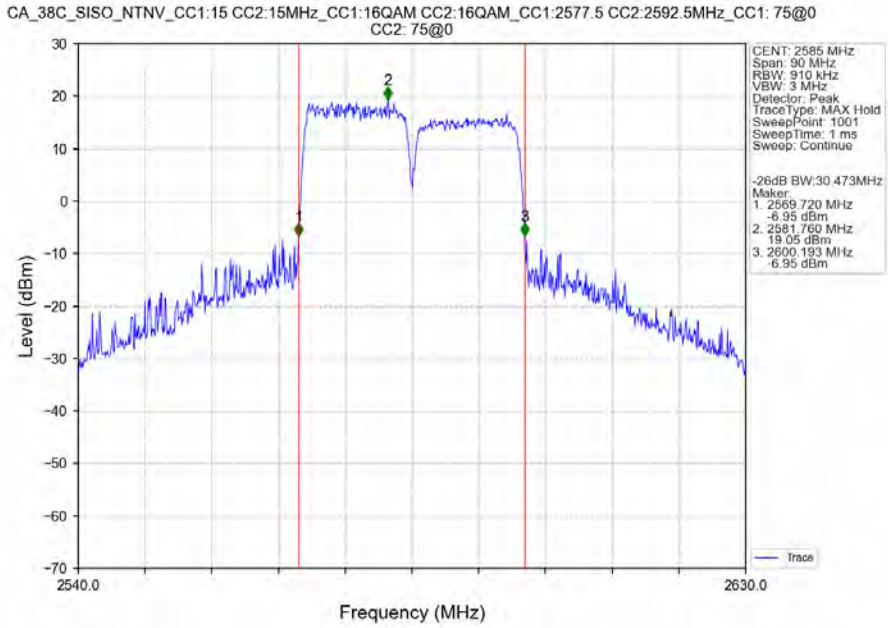
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2587.5 CC2:2602.5MHz_CC1: 75@0 CC2: 75@0



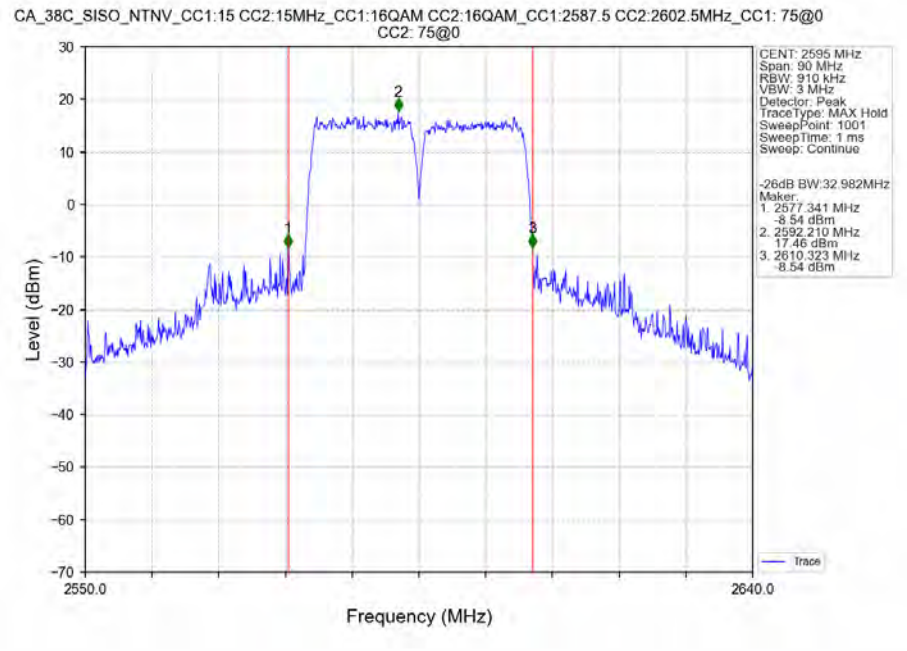
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0



CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:16QAM CC2:16QAM_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0

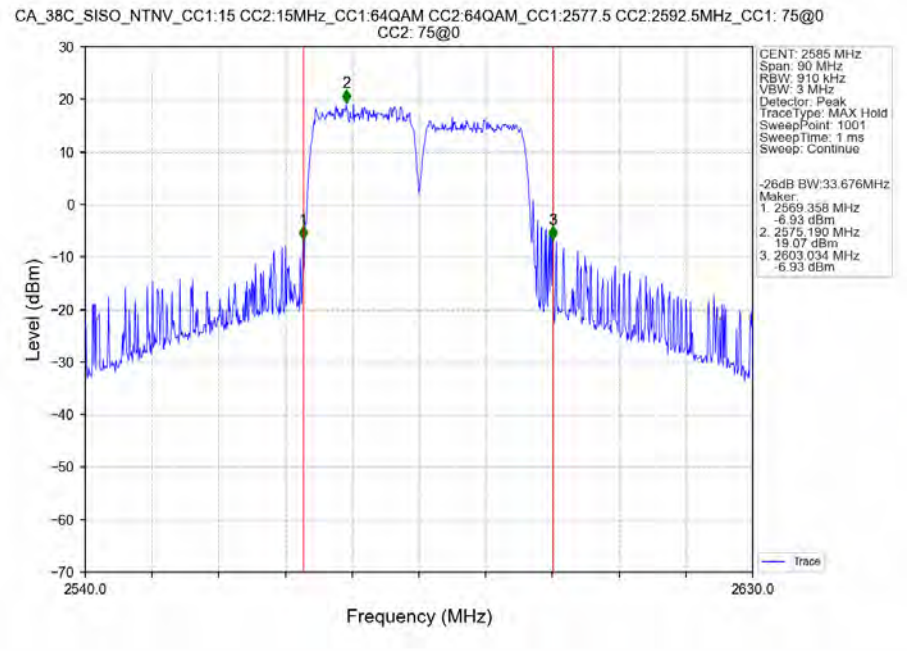


CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:16QAM CC2:16QAM_CC1:2587.5 CC2:2602.5MHz_CC1: 75@0 CC2: 75@0

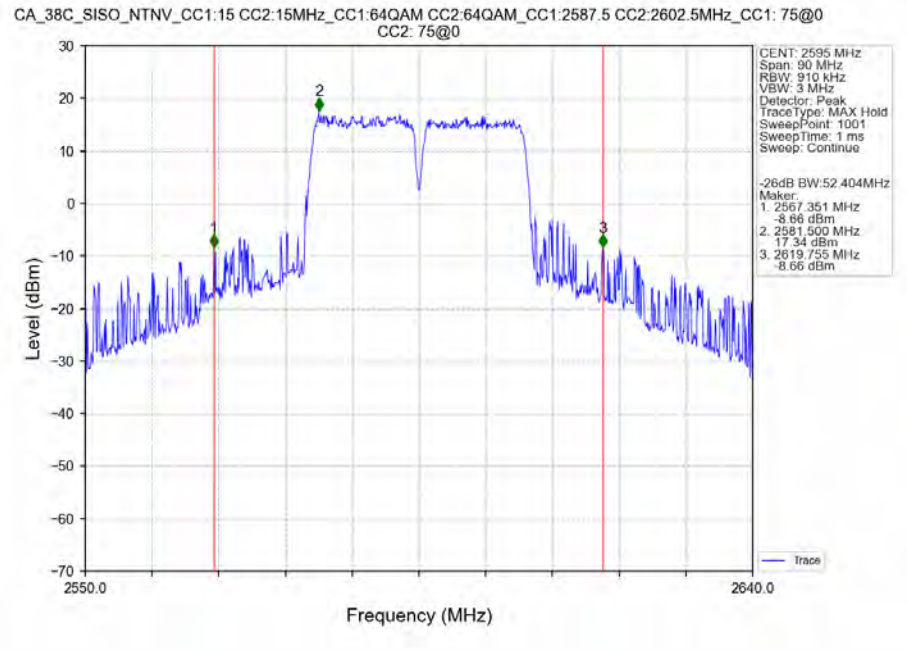


CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:16QAM CC2:16QAM_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0

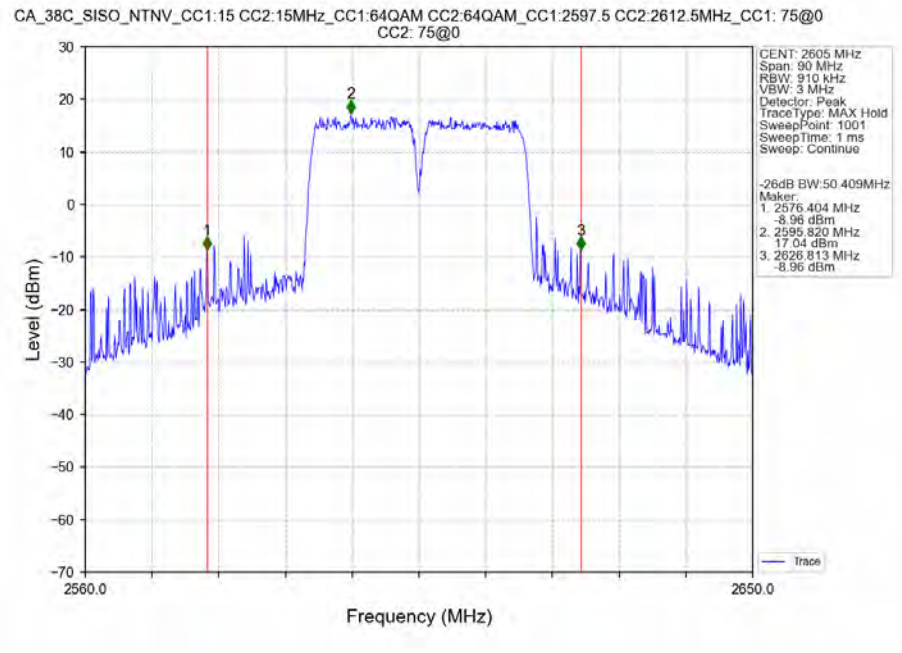
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:64QAM CC2:64QAM_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0



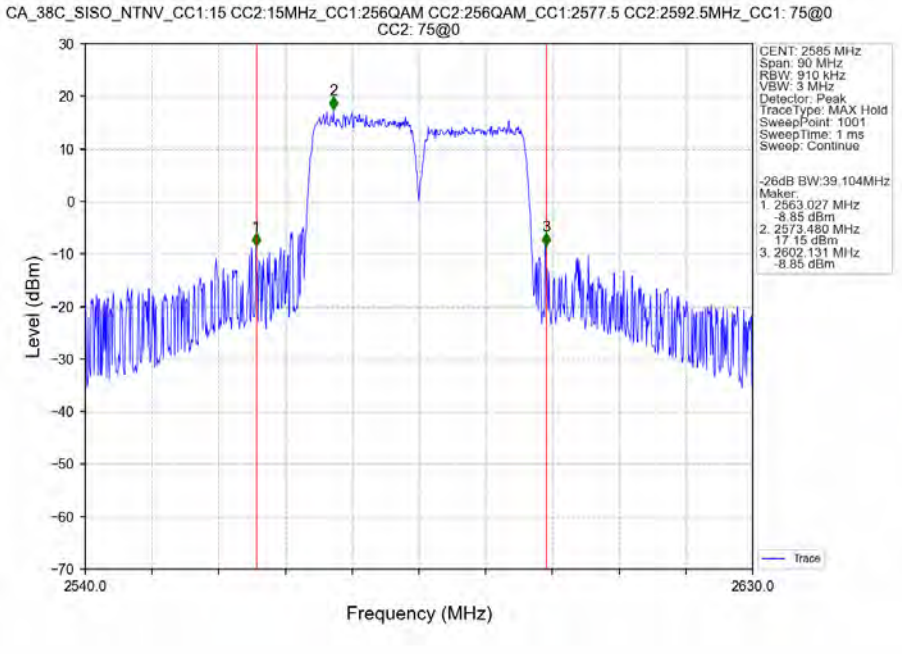
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:64QAM CC2:64QAM_CC1:2587.5 CC2:2602.5MHz_CC1: 75@0 CC2: 75@0



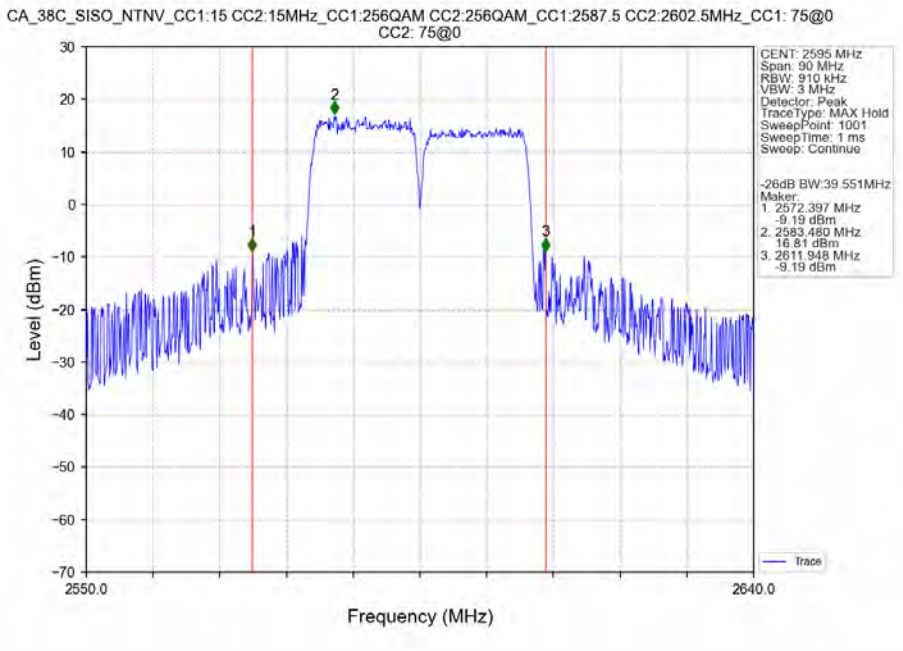
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:64QAM CC2:64QAM_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0



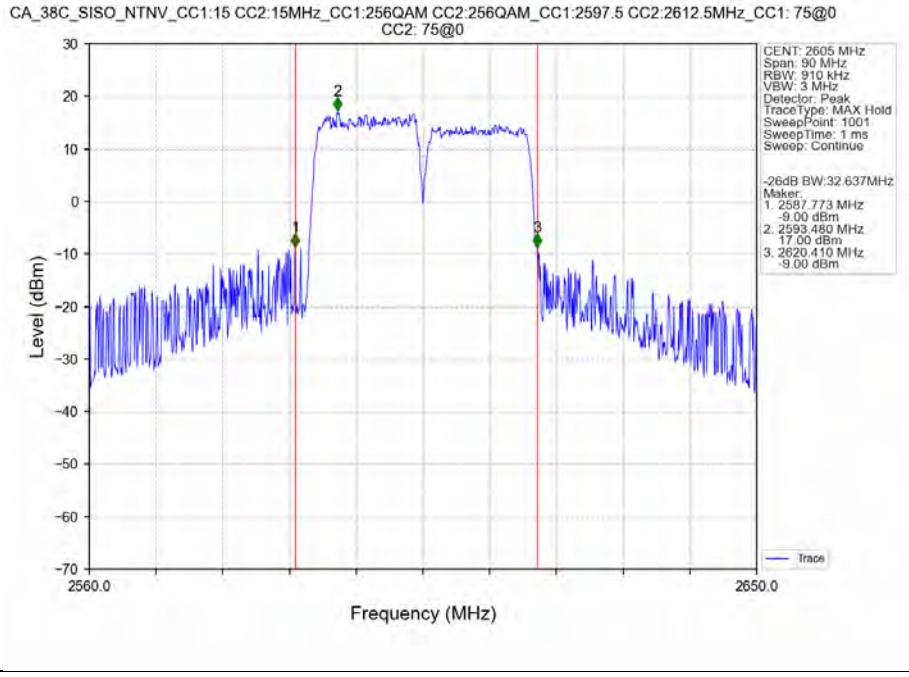
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:256QAM CC2:256QAM_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0



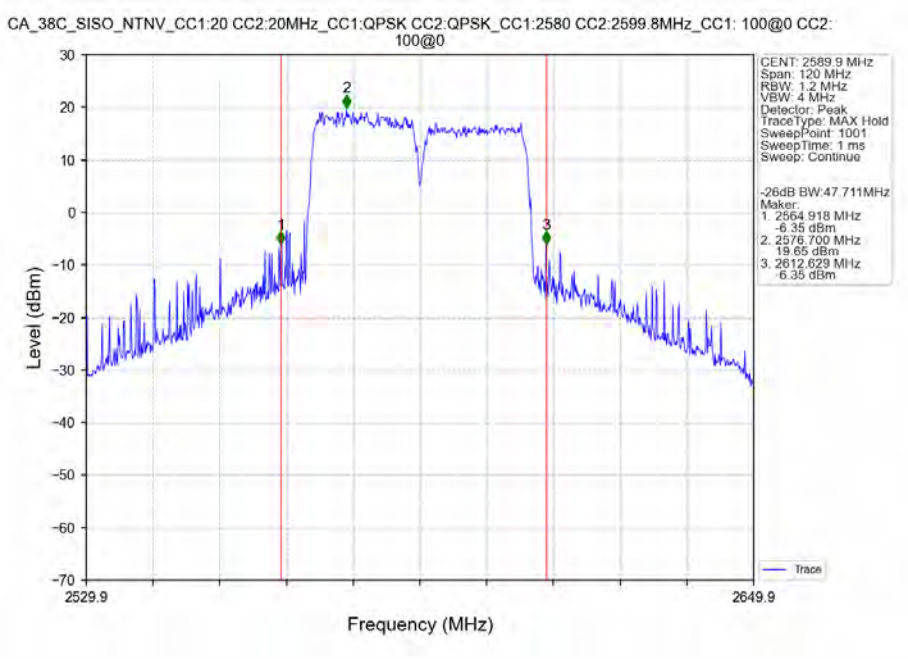
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:256QAM CC2:256QAM_CC1:2587.5 CC2:2602.5MHz_CC1: 75@0 CC2: 75@0



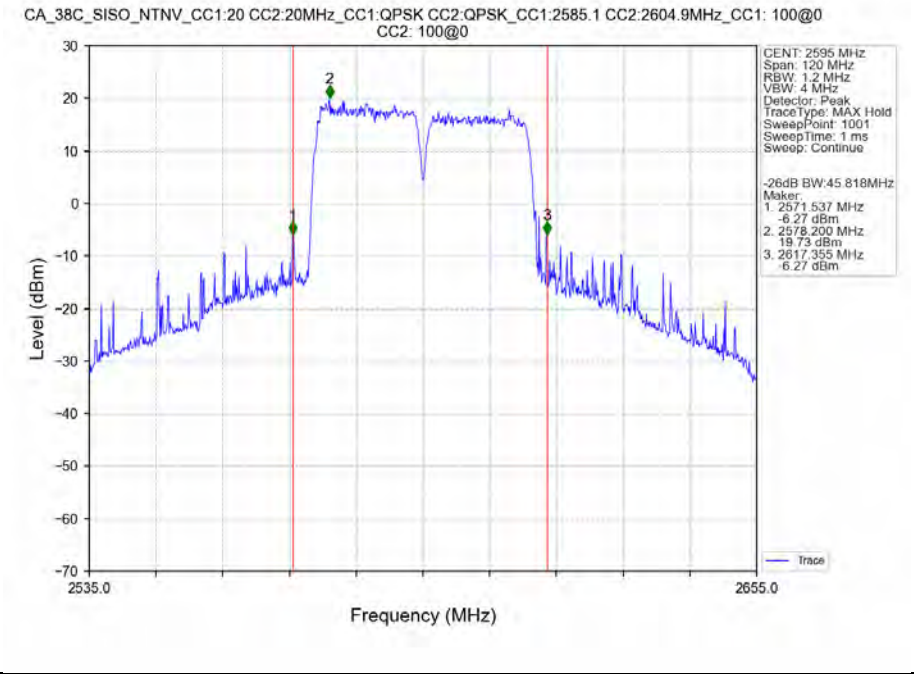
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:256QAM CC2:256QAM_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0



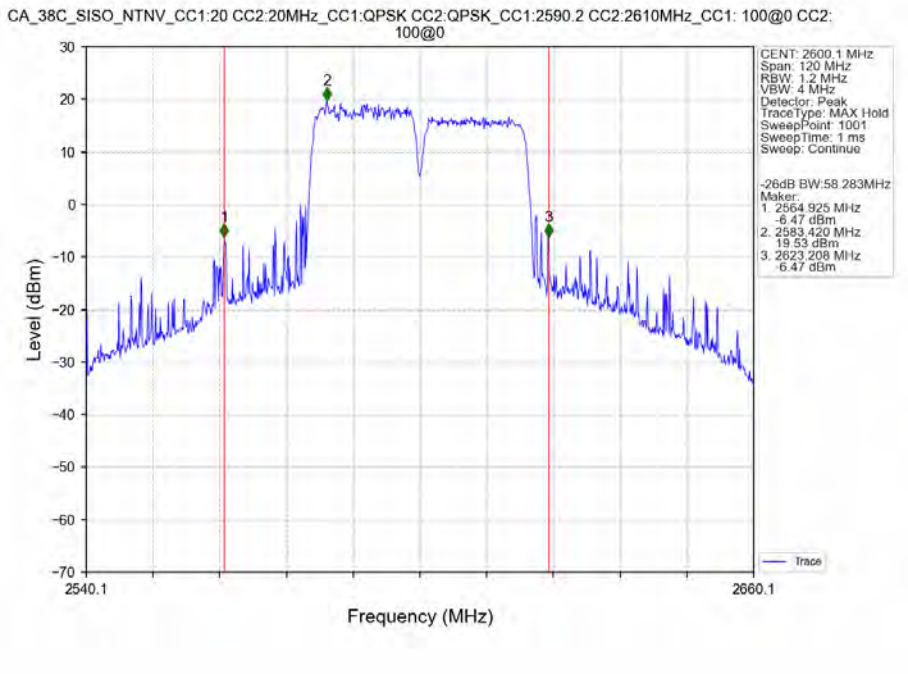
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0



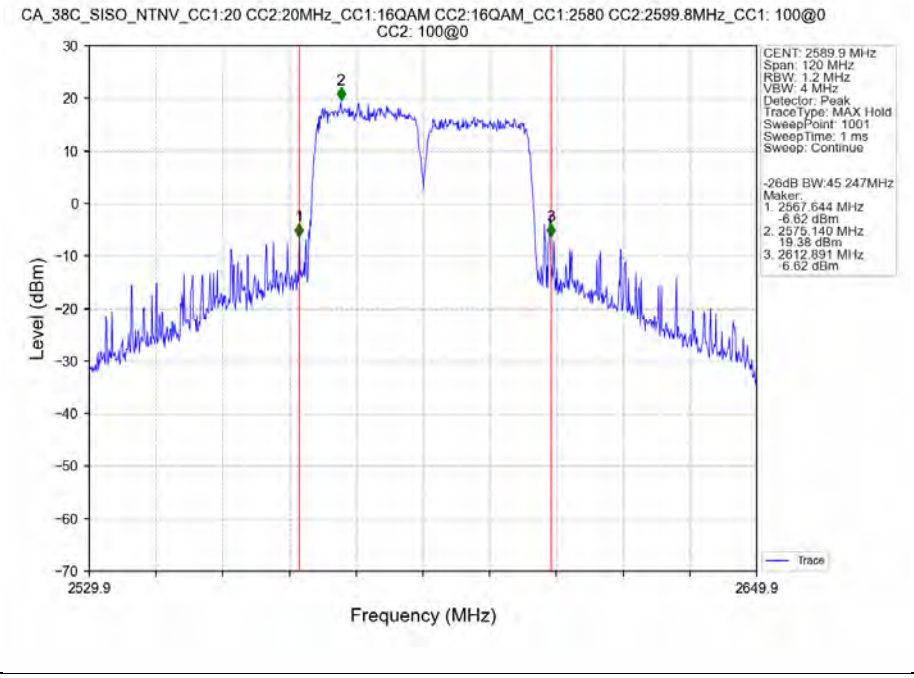
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2585.1 CC2:2604.9MHz_CC1: 100@0 CC2: 100@0



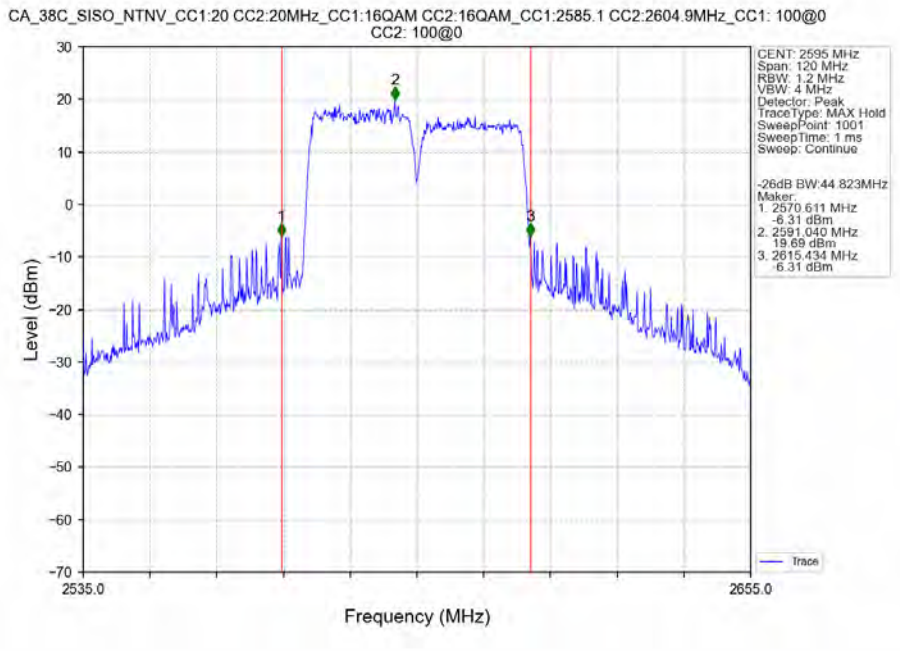
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0



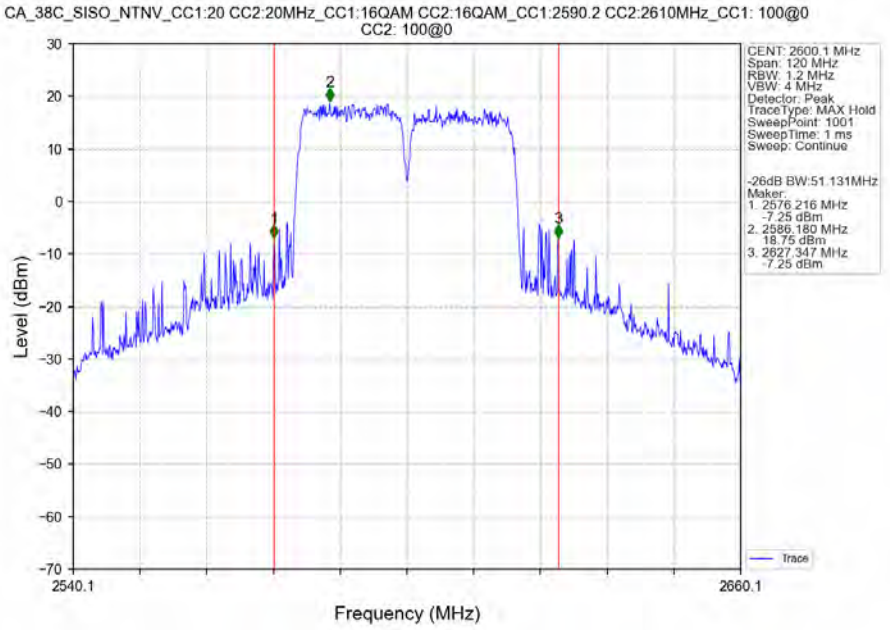
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:16QAM CC2:16QAM_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0



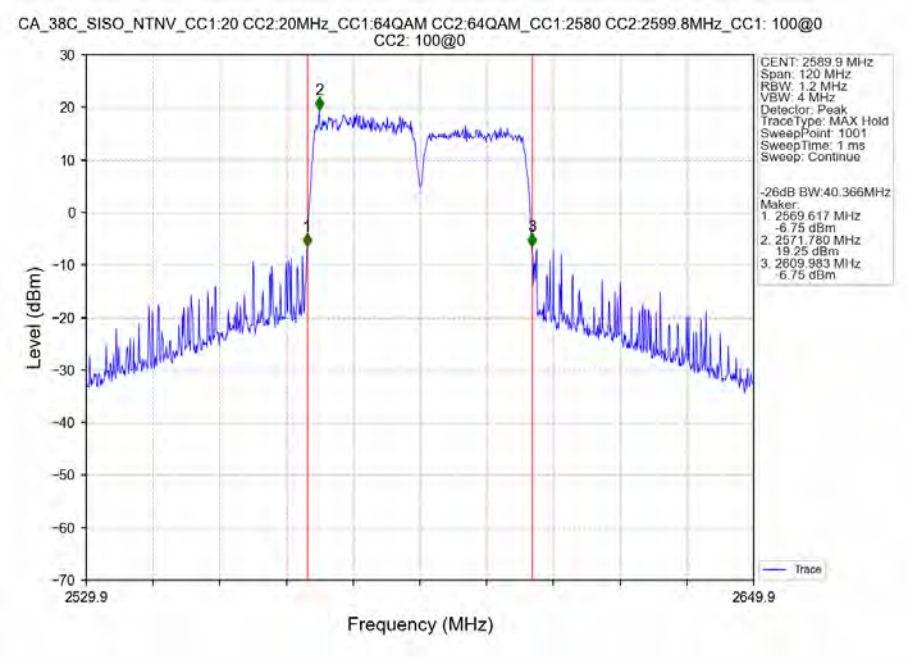
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:16QAM CC2:16QAM_CC1:2585.1 CC2:2604.9MHz_CC1: 100@0 CC2: 100@0



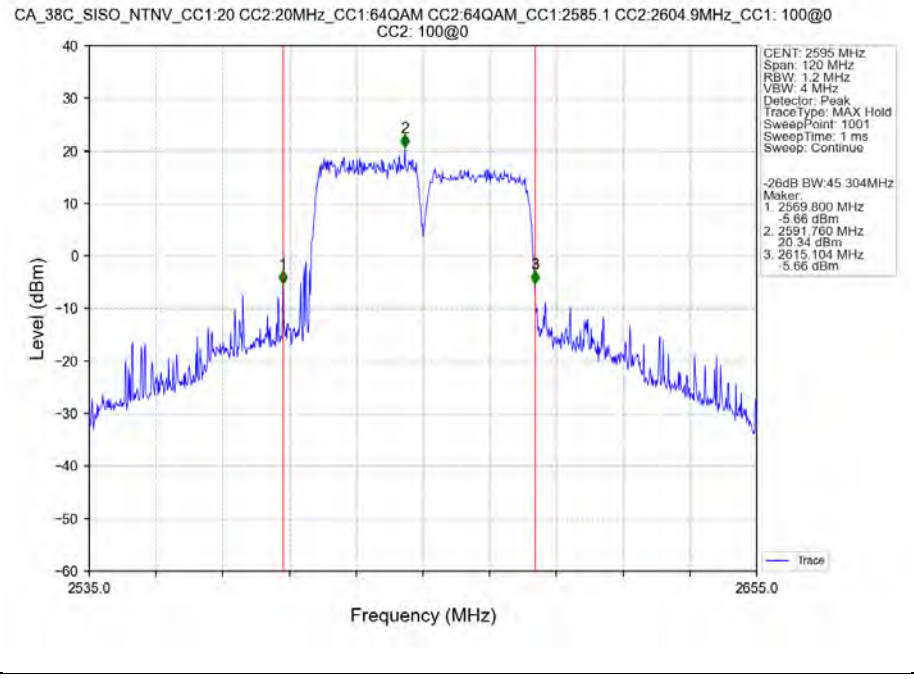
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:16QAM CC2:16QAM_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0



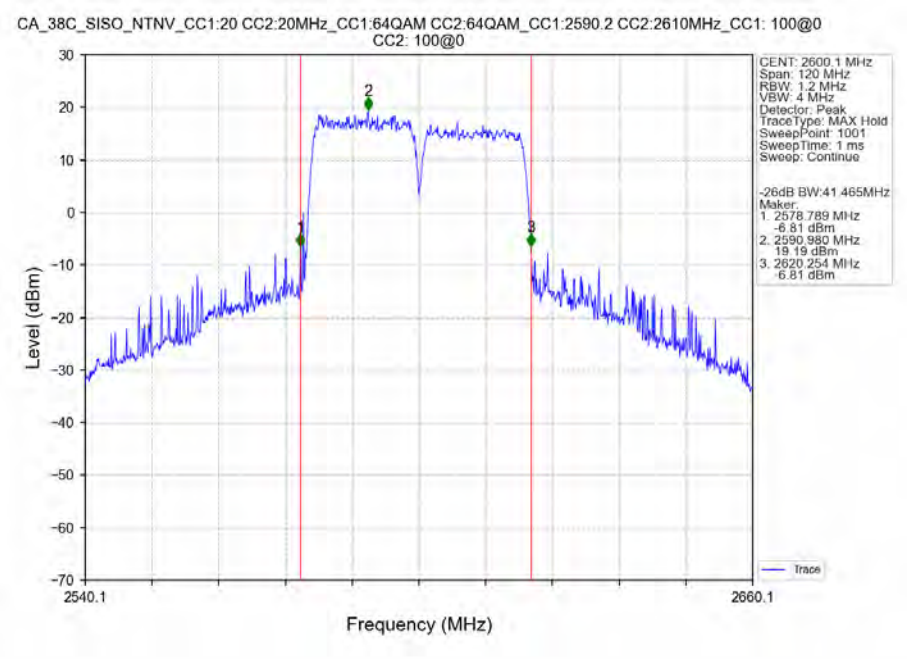
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:64QAM CC2:64QAM_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0



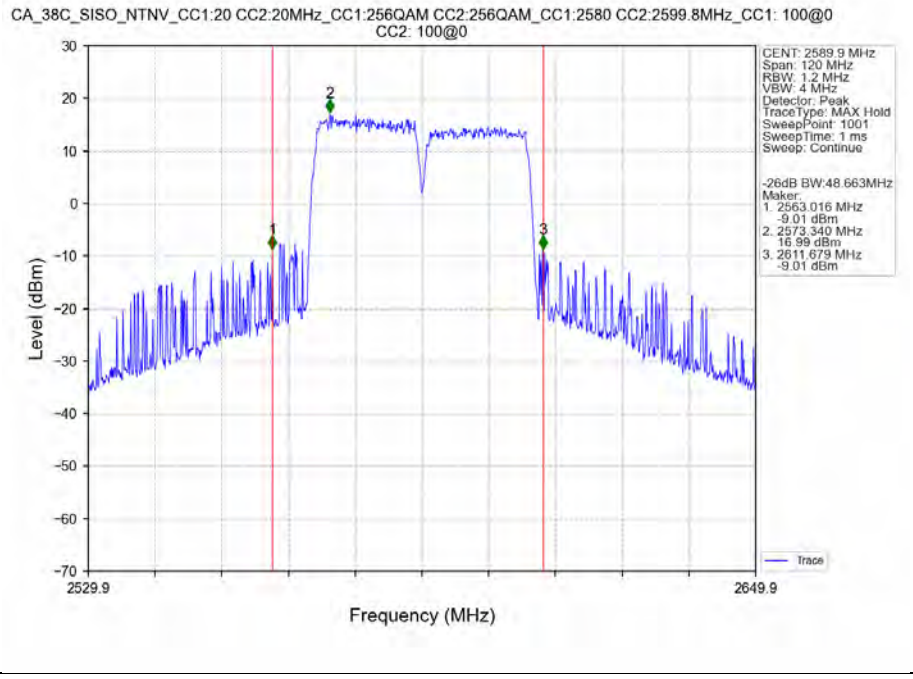
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:64QAM CC2:64QAM_CC1:2585.1 CC2:2604.9MHz_CC1: 100@0 CC2: 100@0



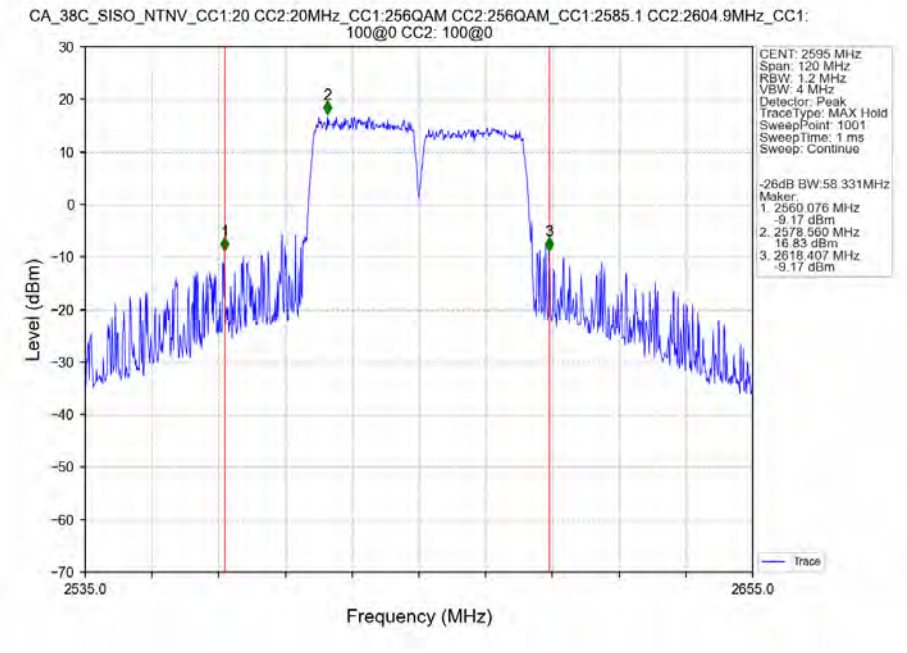
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:64QAM CC2:64QAM_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0



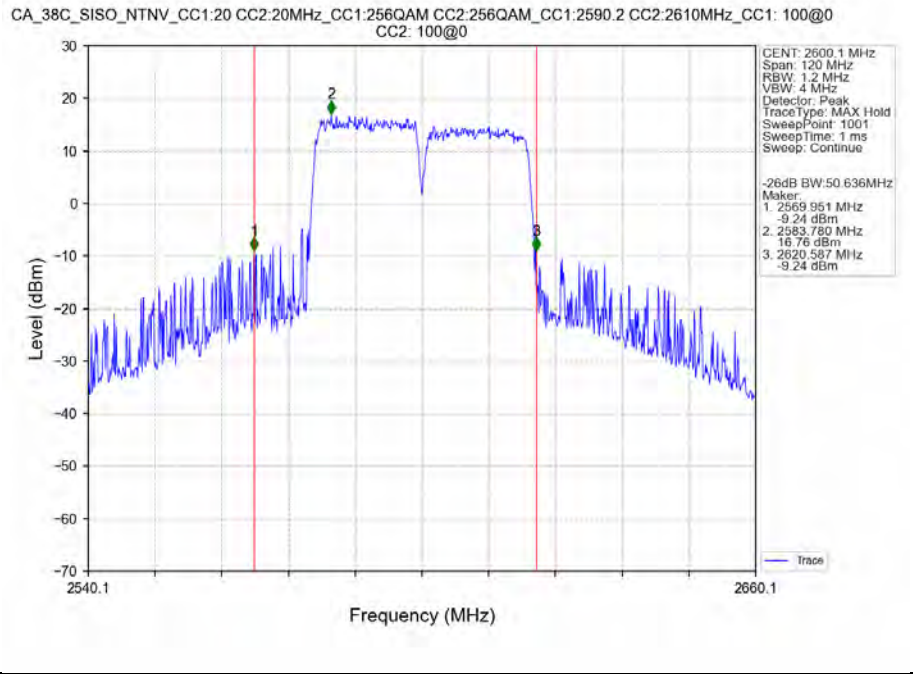
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:256QAM CC2:256QAM_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0



CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:256QAM CC2:256QAM_CC1:2585.1 CC2:2604.9MHz_CC1: 100@0 CC2: 100@0



CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:256QAM CC2:256QAM_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0



3. Spurious Emission

3.1 Test Result

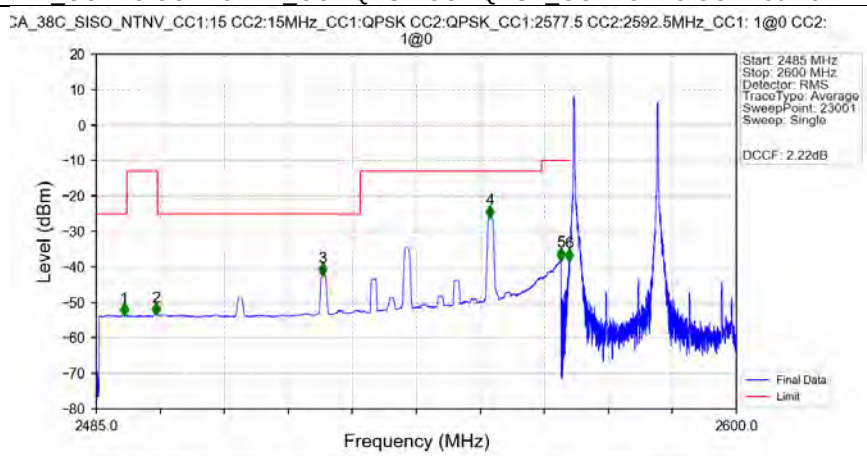
3.1.1 CA_38C_NTNV

Band: CA_38C / NTNV								
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
				CC1	CC2	Sum	Limit	
CC1:15 CC2:15	CC1: QPSK CC2: QPSK	CC1:2577.5 CC2:2592.5	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 75@0 CC2: 75@0	Refer To Test Graph				Pass
		CC1:2597.5 CC2:2612.5	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 1@74 CC2: 1@74	Refer To Test Graph				Pass
			CC1: 75@0 CC2: 75@0	Refer To Test Graph				Pass
CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 100@0 CC2: 100@0	Refer To Test Graph				Pass
		CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 1@99 CC2: 1@99	Refer To Test Graph				Pass
			CC1: 100@0 CC2: 100@0	Refer To Test Graph				Pass

3.2 Test Graph

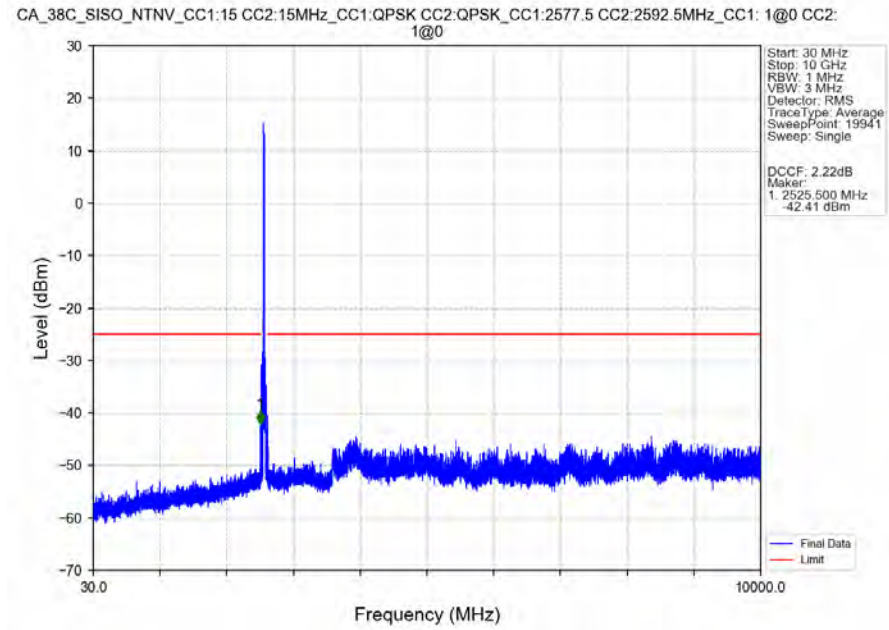
3.2.1 CA_38C_NTNV

CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2577.5 CC2:2592.5MHz_CC1: 1@0 CC2: 1@0

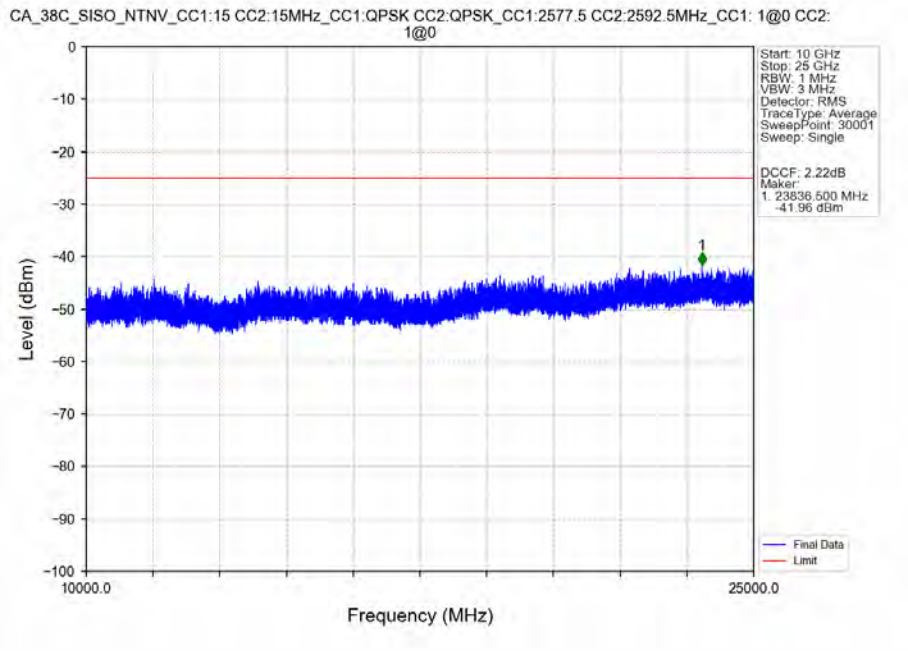


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.010	-53.58	-25	Pass
2490.5	2496	1	CHP	2	2495.705	-53.38	-13	Pass
2496	2532.419	1	CHP	3	2525.685	-42.28	-25	Pass
2532.419	2565	1	CHP	4	2555.725	-25.96	-13	Pass
2565	2569	1	CHP	5	2568.485	-37.89	-10	Pass
2569	2570	0.02	CHP	6	2569.965	-38.11	-10	Pass
2570	2600	0.02	CHP	/	/	/	/	/

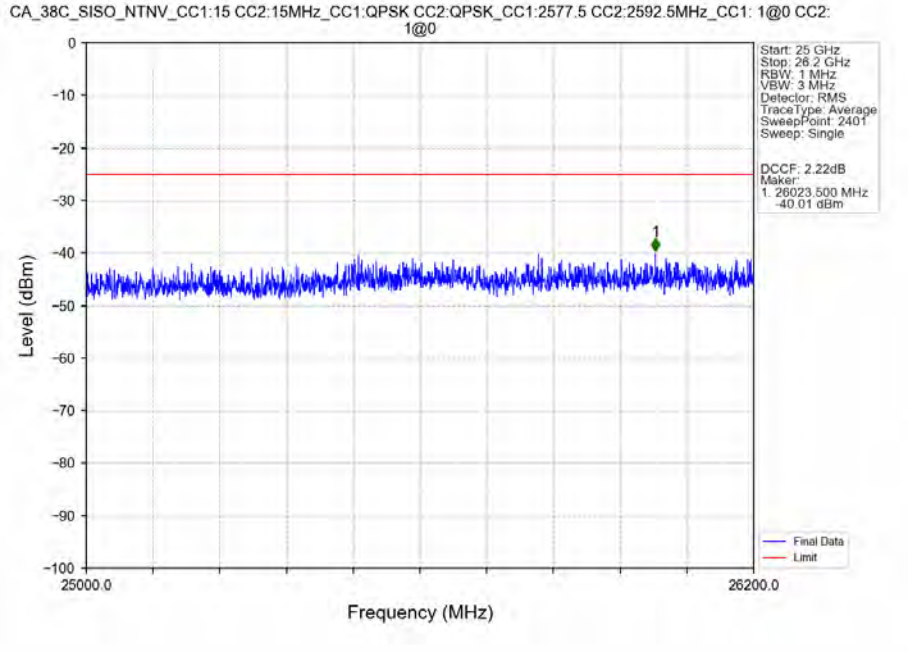
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2577.5 CC2:2592.5MHz_CC1: 1@0 CC2: 1@0



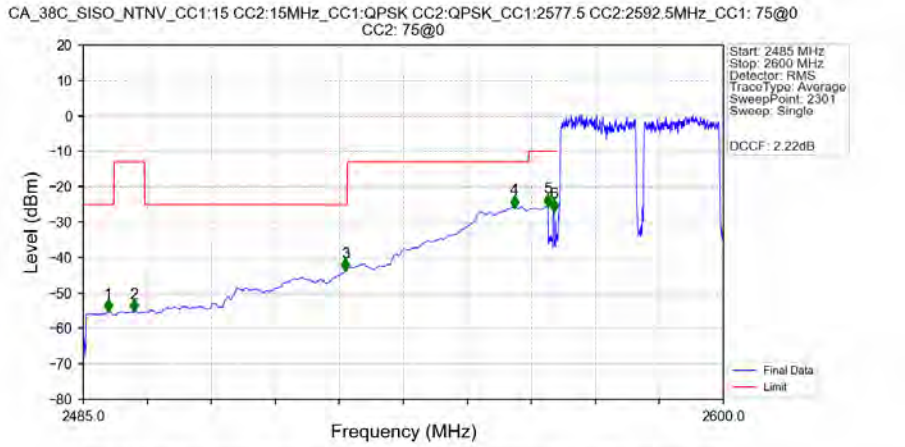
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2577.5 CC2:2592.5MHz_CC1: 1@0 CC2: 1@0



CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2577.5 CC2:2592.5MHz_CC1: 1@0 CC2: 1@0

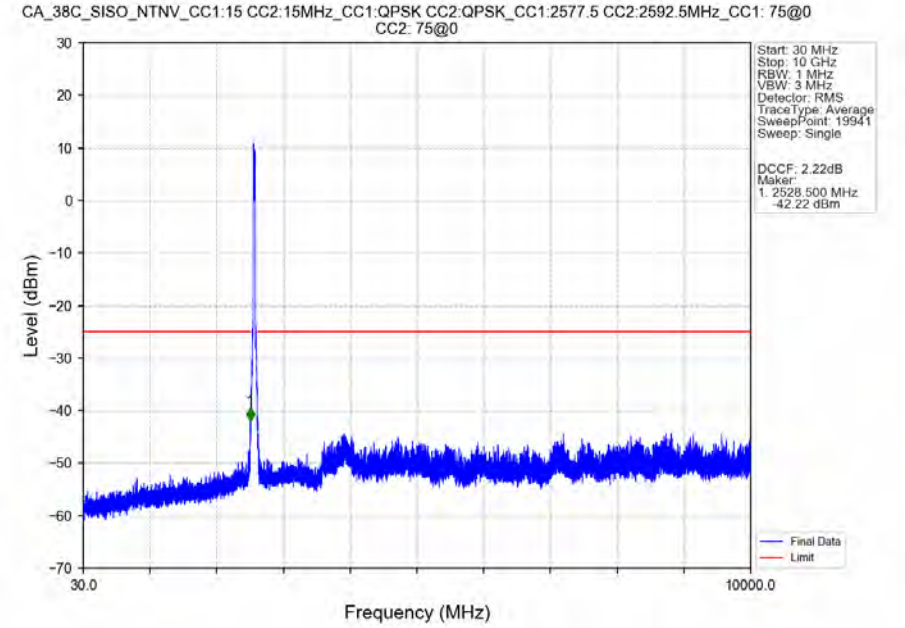


CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0

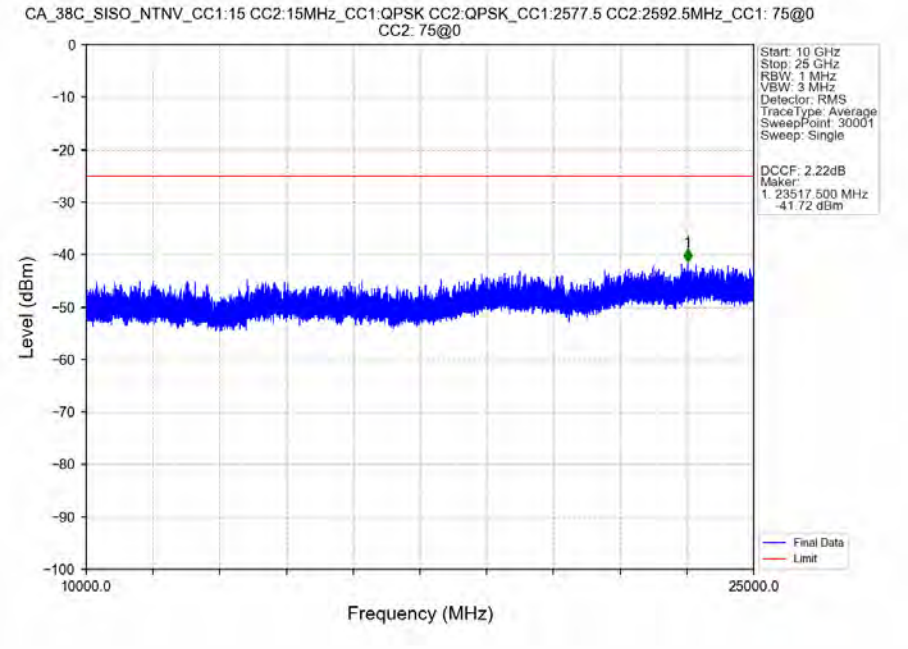


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.450	-55.10	-25	Pass
2490.5	2496	1	CHP	2	2494.150	-55.11	-13	Pass
2496	2532.419	1	CHP	3	2532.100	-43.65	-25	Pass
2532.419	2565	1	CHP	4	2562.450	-25.72	-13	Pass
2565	2569	1	CHP	5	2568.500	-25.31	-10	Pass
2569	2570	0.752	CHP	6	2569.600	-26.83	-10	Pass
2570	2600	0.1	/	/	/	/	/	/

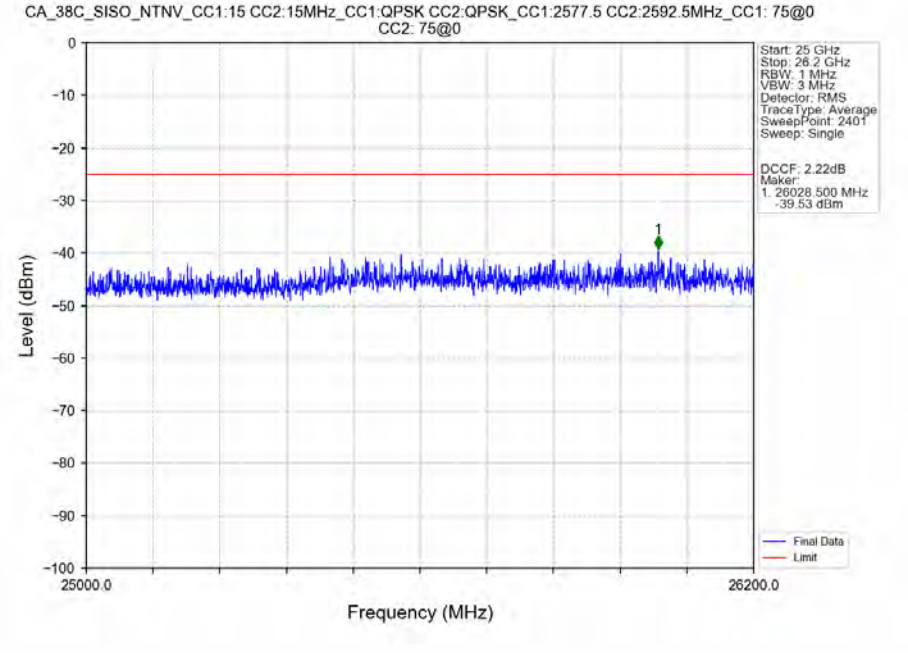
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0



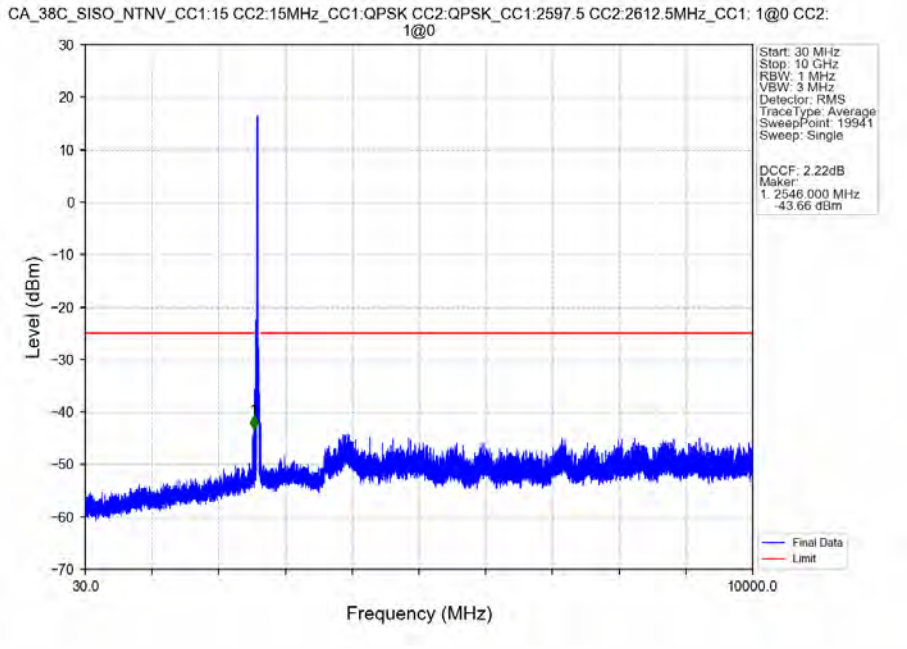
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0



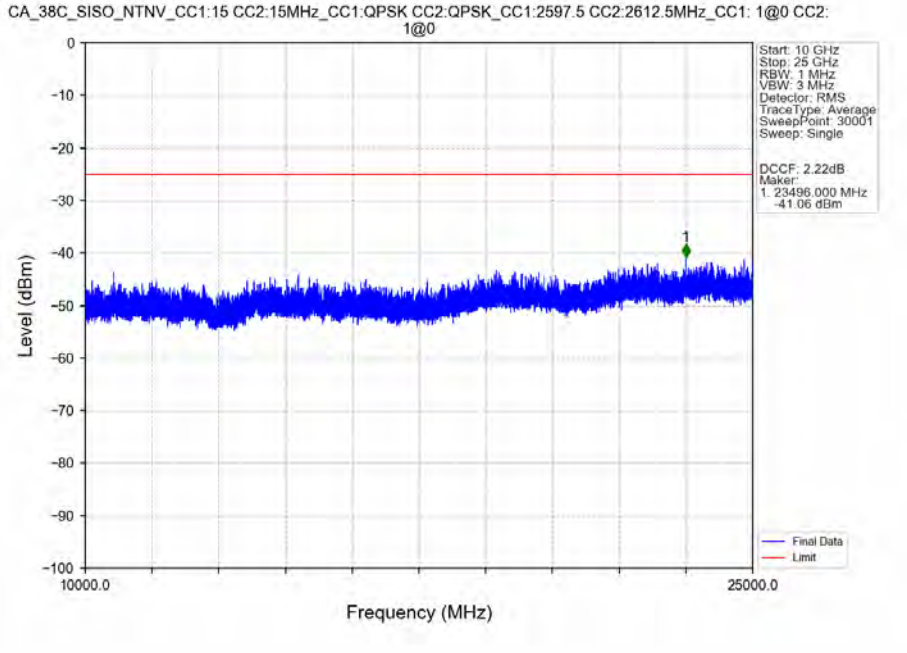
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2577.5 CC2:2592.5MHz_CC1: 75@0 CC2: 75@0



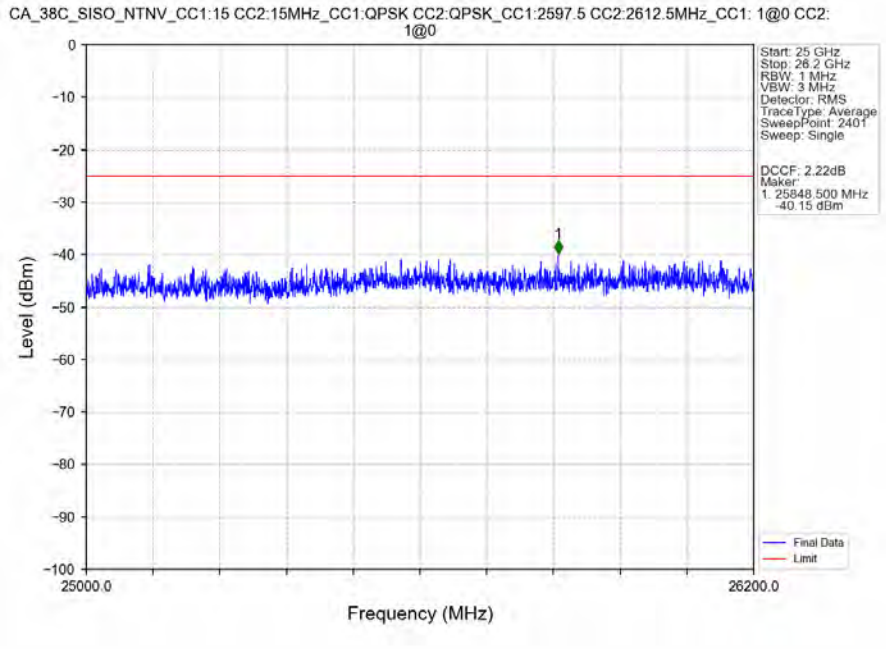
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2597.5 CC2:2612.5MHz_CC1: 1@0 CC2: 1@0



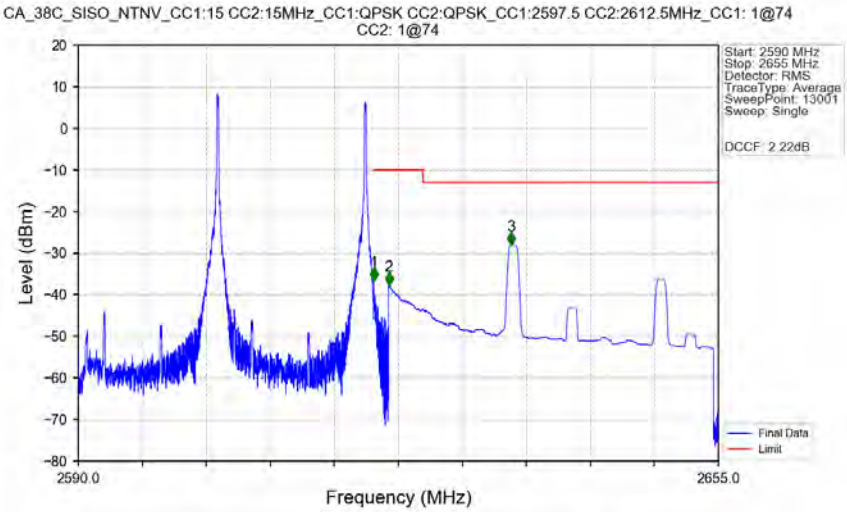
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2597.5 CC2:2612.5MHz_CC1: 1@0 CC2: 1@0



CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2597.5 CC2:2612.5MHz_CC1: 1@0 CC2: 1@0

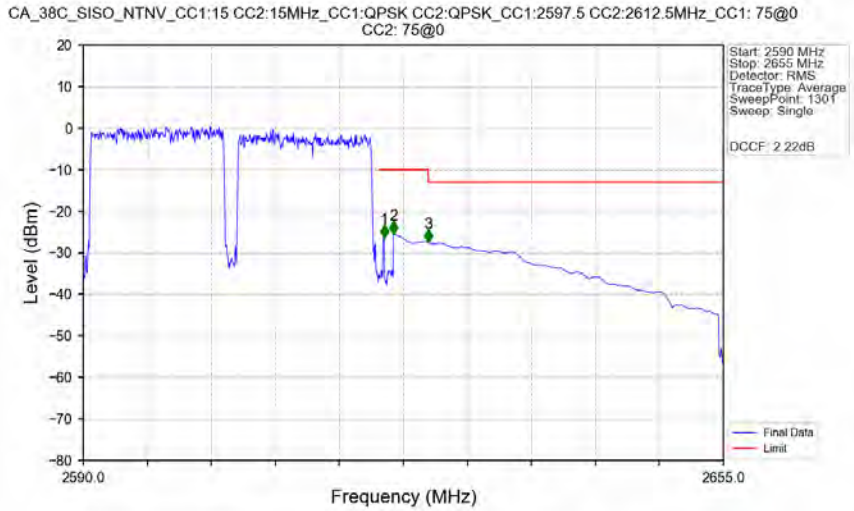


CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2597.5 CC2:2612.5MHz_CC1: 1@74 CC2: 1@74



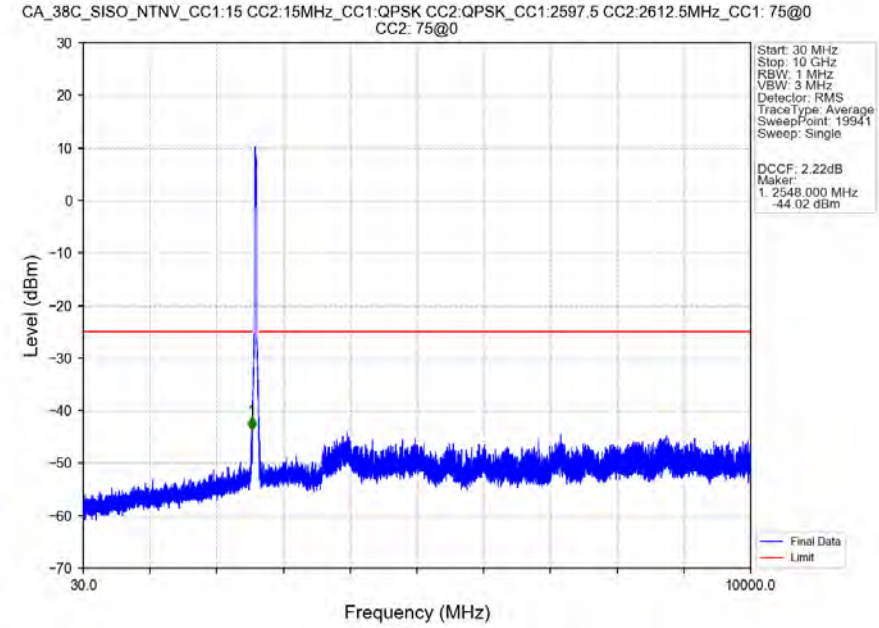
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-36.64	-10	Pass
2621	2625	1	CHP	2	2621.550	-37.71	-10	Pass
2625	2655	1	CHP	3	2633.985	-28.04	-13	Pass

CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0

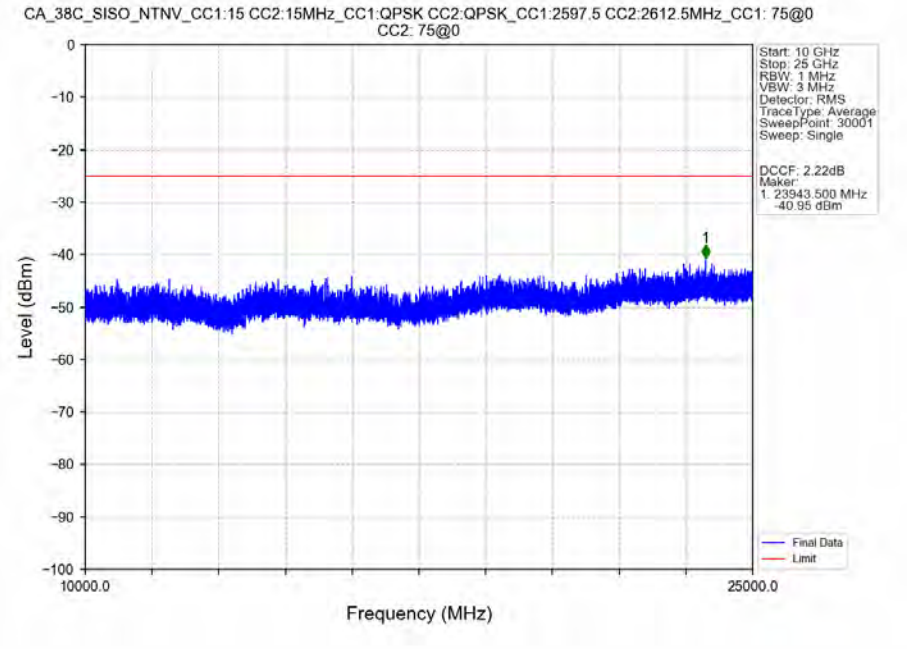


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.1	/	/	/	/	/	/
2620	2621	0.879	CHP	1	2620.550	-26.39	-10	Pass
2621	2625	1	CHP	2	2621.500	-25.52	-10	Pass
2625	2655	1	CHP	3	2625.050	-27.52	-13	Pass

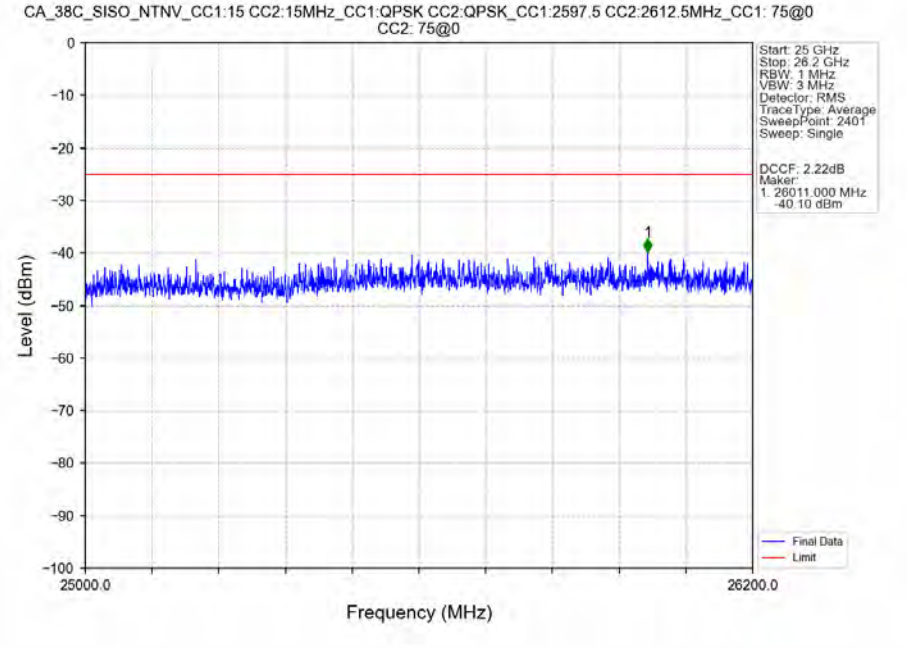
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0



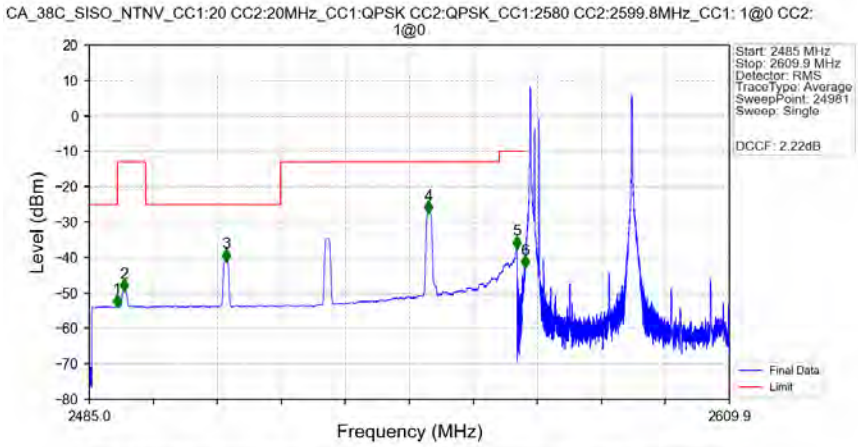
CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0



CA_38C_SISO_NTNV_CC1:15 CC2:15MHz_CC1:QPSK CC2:QPSK_CC1:2597.5 CC2:2612.5MHz_CC1: 75@0 CC2: 75@0

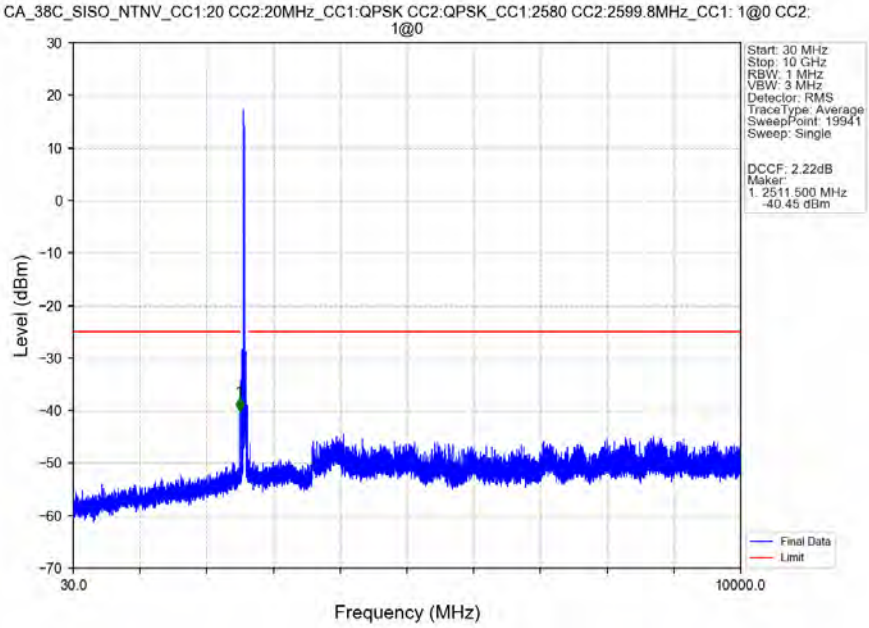


CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2580 CC2:2599.8MHz_CC1: 1@0 CC2: 1@0

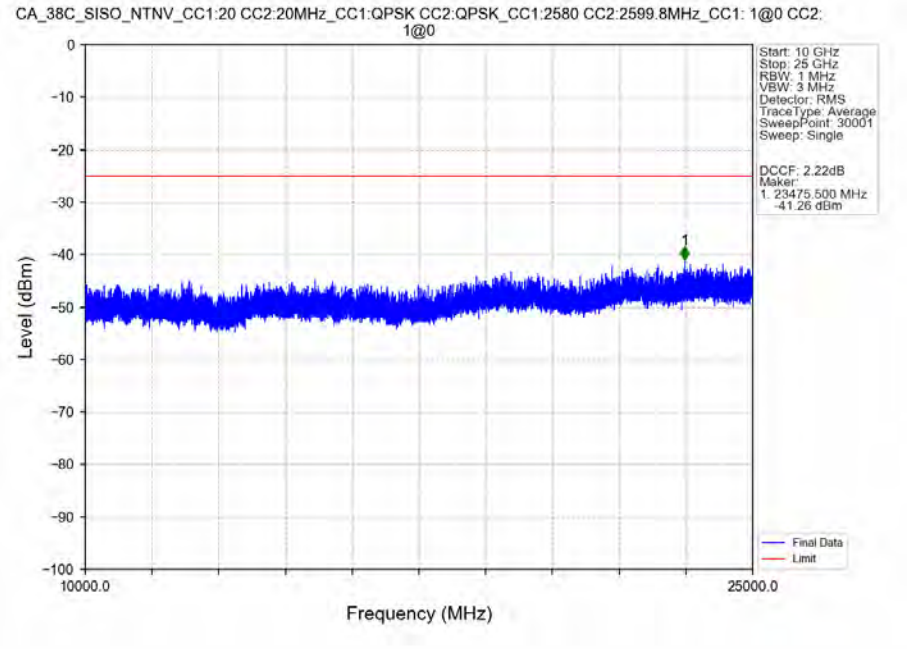


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.460	-53.70	-25	Pass
2490.5	2496	1	CHP	2	2491.840	-49.29	-13	Pass
2496	2522.289	1	CHP	3	2511.705	-40.94	-25	Pass
2522.289	2565	1	CHP	4	2551.175	-27.32	-13	Pass
2565	2569	1	CHP	5	2568.460	-37.27	-10	Pass
2569	2570	0.02	CHP	6	2569.985	-42.67	-10	Pass
2570	2609.9	0.02	CHP	/	/	/	/	/

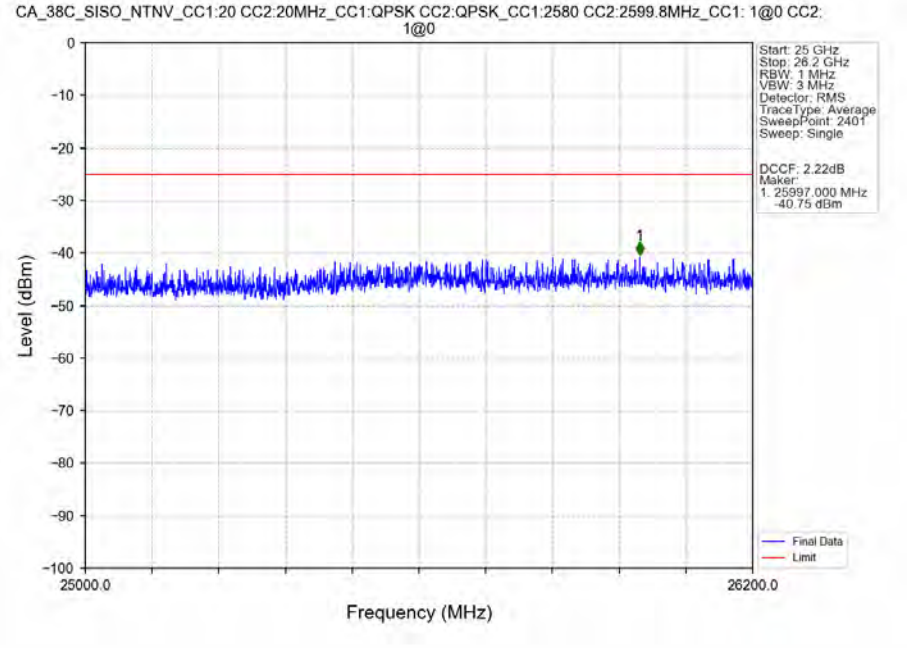
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2580 CC2:2599.8MHz_CC1: 1@0 CC2: 1@0



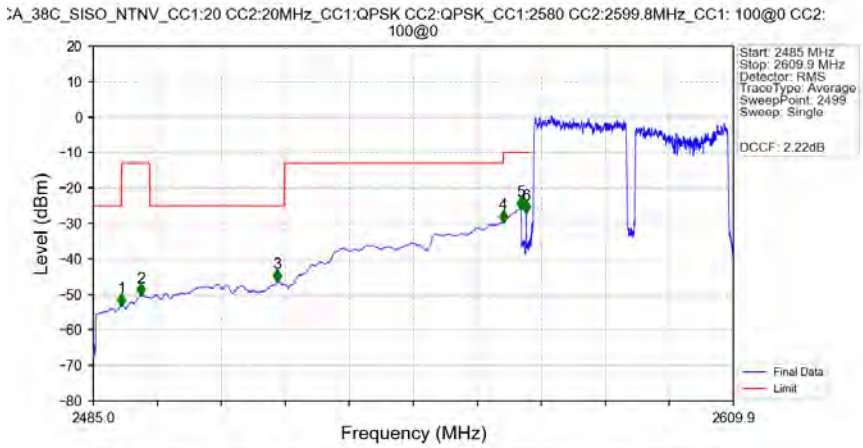
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2580 CC2:2599.8MHz_CC1: 1@0 CC2: 1@0



CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2580 CC2:2599.8MHz_CC1: 1@0 CC2: 1@0

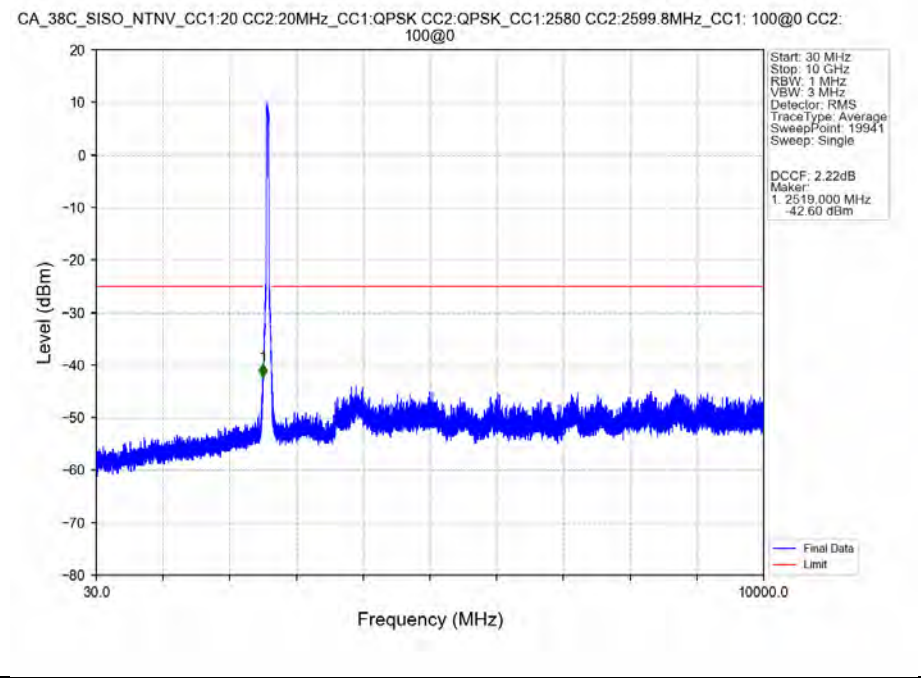


CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0

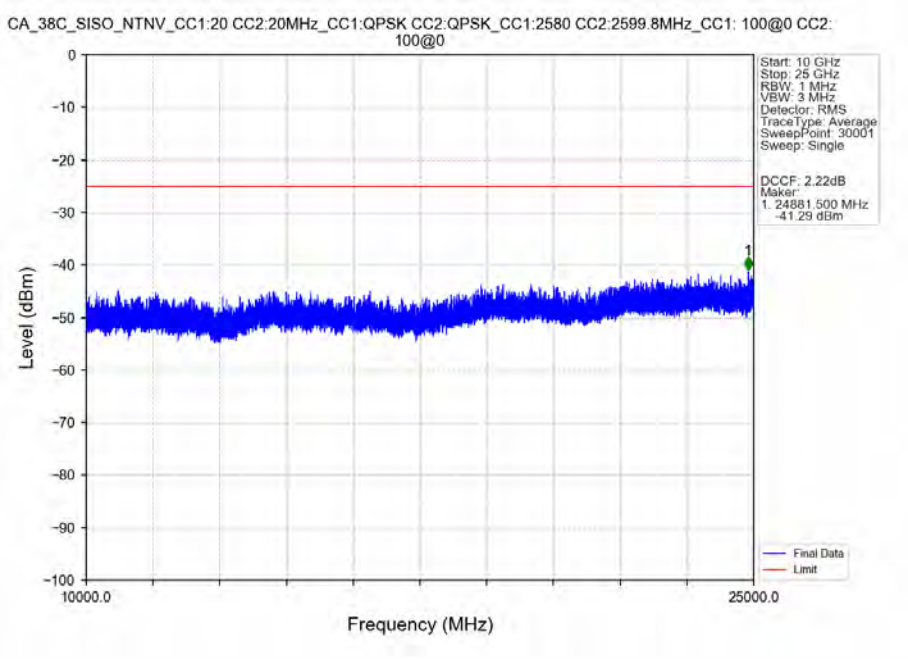


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-53.08	-25	Pass
2490.5	2496	1	CHP	2	2494.300	-50.27	-13	Pass
2496	2522.289	1	CHP	3	2520.850	-46.28	-25	Pass
2522.289	2565	1	CHP	4	2565.000	-29.57	-13	Pass
2565	2569	1	CHP	5	2568.450	-25.86	-10	Pass
2569	2570	0.954	CHP	6	2569.500	-26.89	-10	Pass
2570	2609.9	0.1	/	/	/	/	/	/

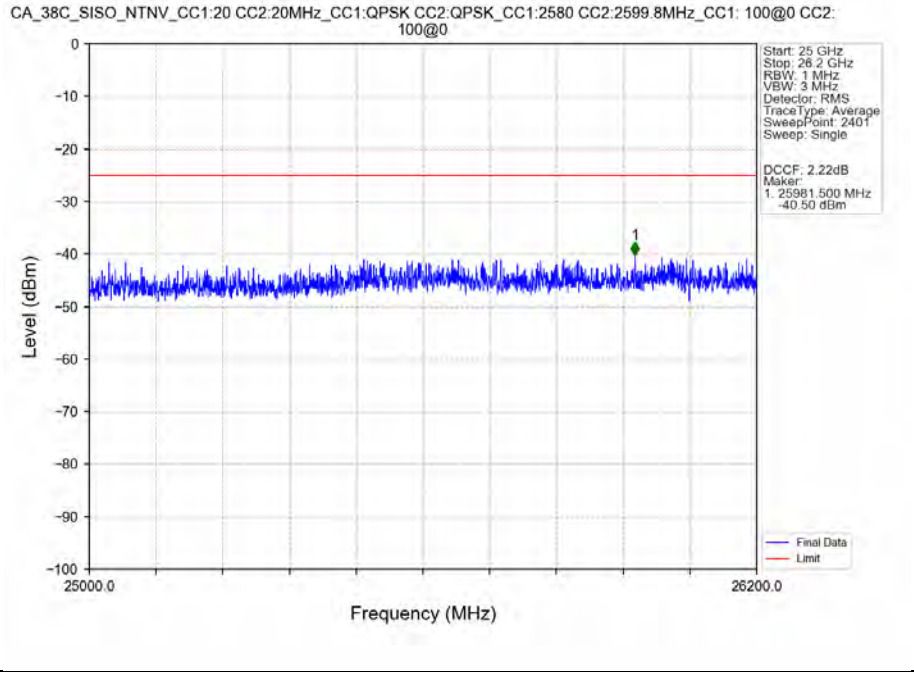
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0



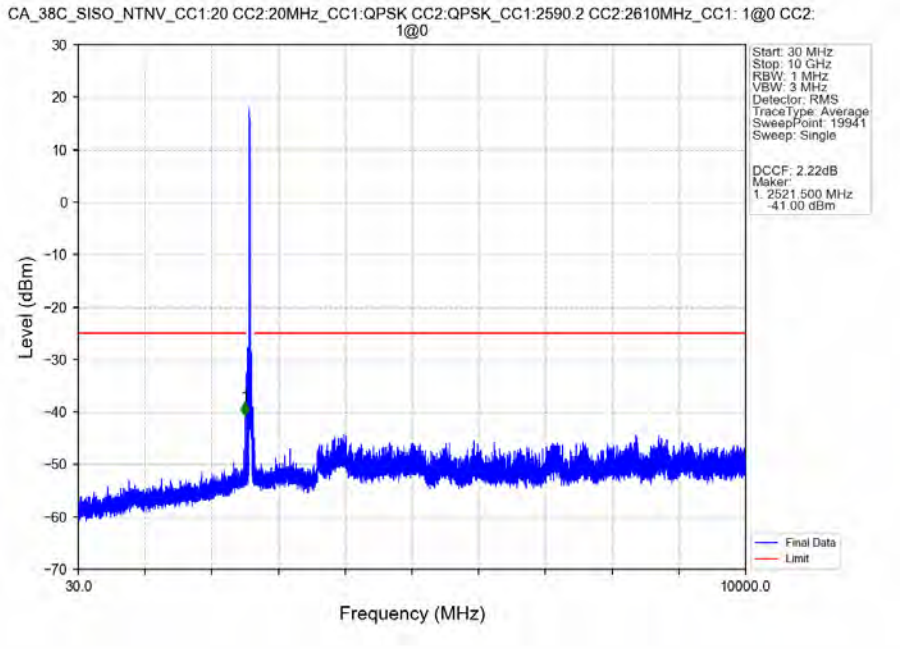
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0



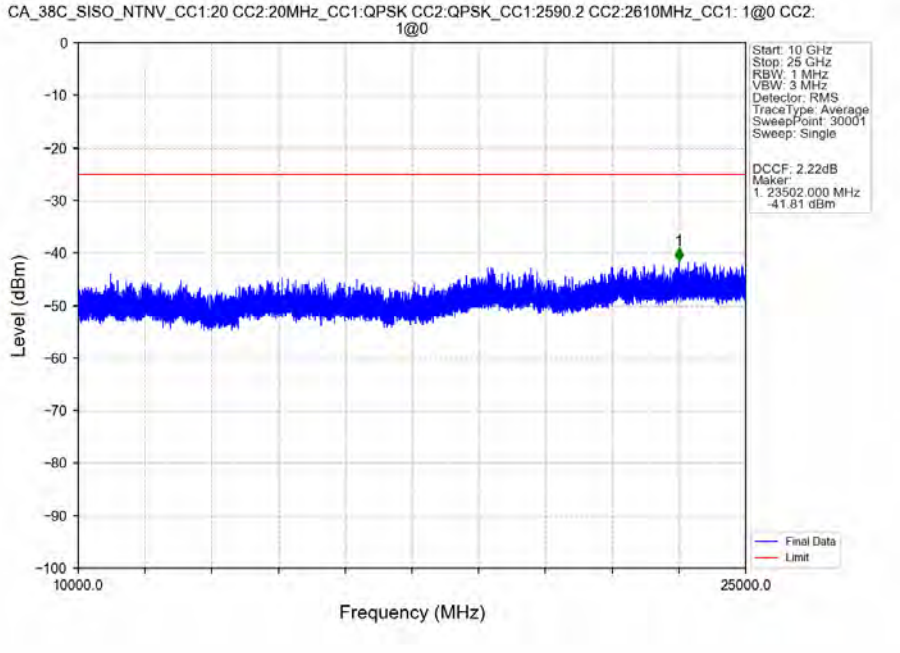
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2580 CC2:2599.8MHz_CC1: 100@0 CC2: 100@0



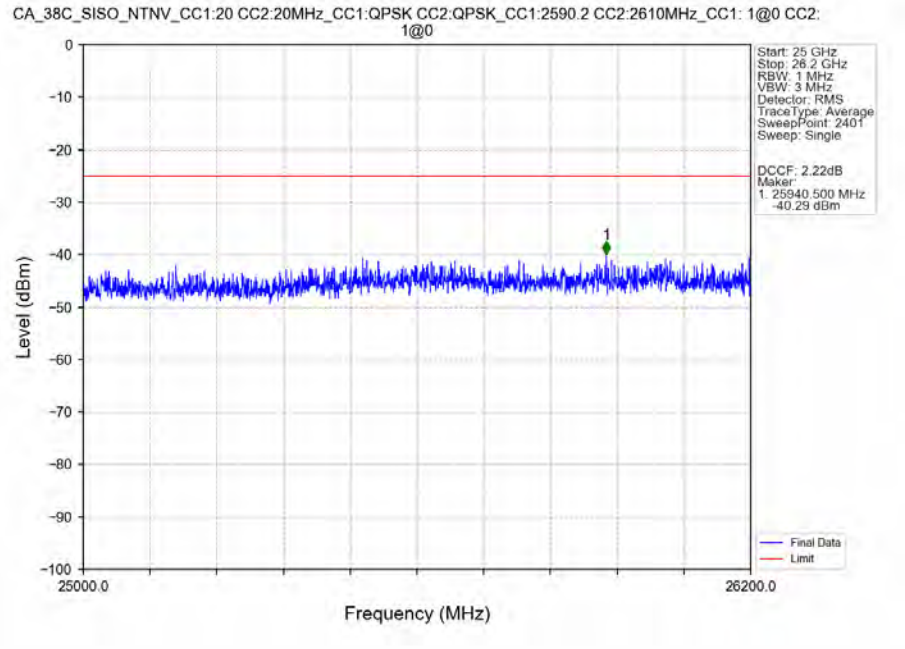
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2590.2 CC2:2610MHz_CC1: 1@0 CC2: 1@0



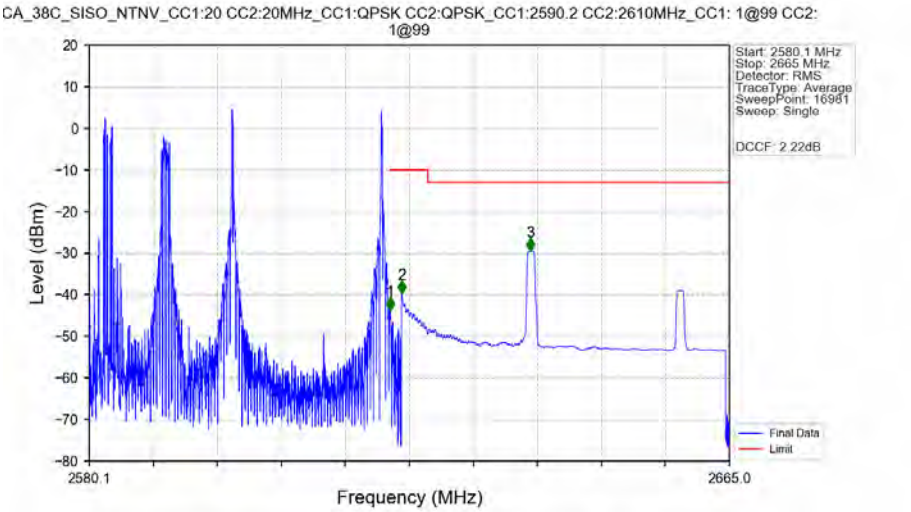
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2590.2 CC2:2610MHz_CC1: 1@0 CC2: 1@0



CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2590.2 CC2:2610MHz_CC1: 1@0 CC2: 1@0

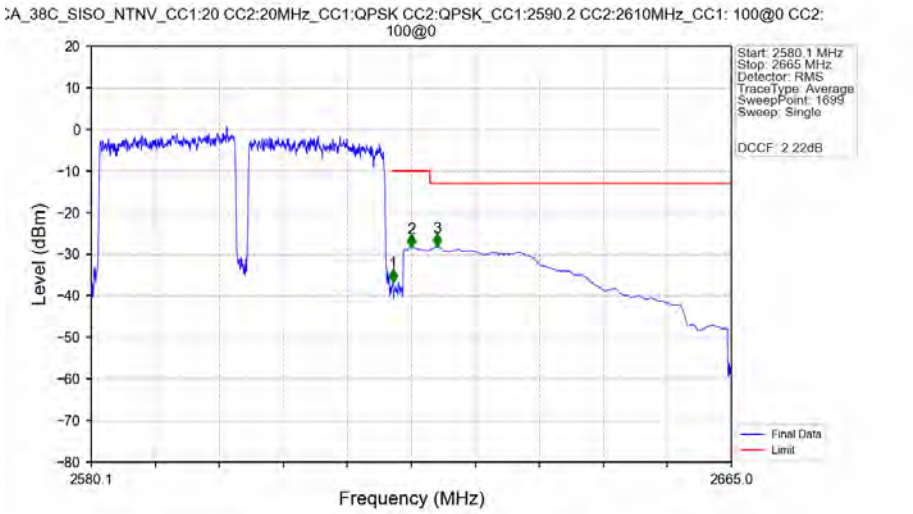


CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2590.2 CC2:2610MHz_CC1: 1@99 CC2: 1@99



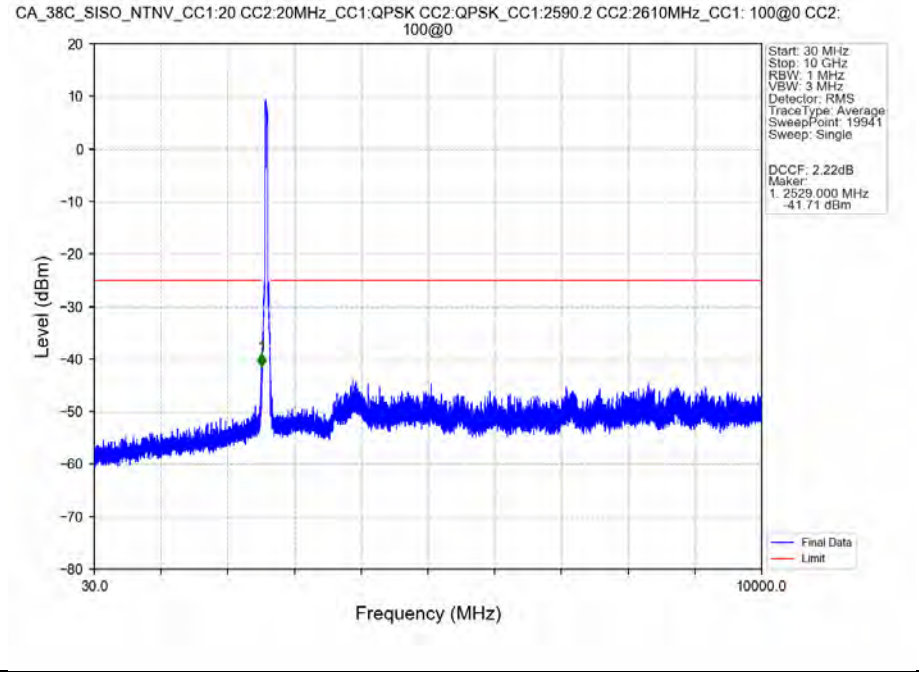
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2580.1	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.010	-43.73	-10	Pass
2621	2625	1	CHP	2	2621.540	-39.76	-10	Pass
2625	2665	1	CHP	3	2638.580	-29.53	-13	Pass

CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0

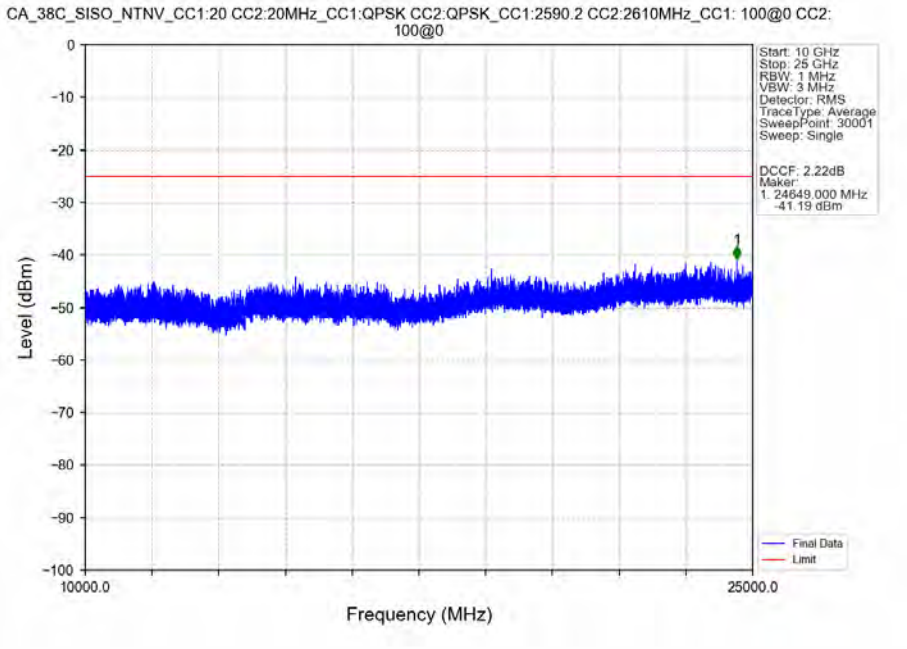


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2580.1	2620	0.1	/	/	/	/	/	/
2620	2621	1.166	/	1	2620.100	-36.68	-10	Pass
2621	2625	1	CHP	2	2622.600	-28.41	-10	Pass
2625	2665	1	CHP	3	2625.950	-28.13	-13	Pass

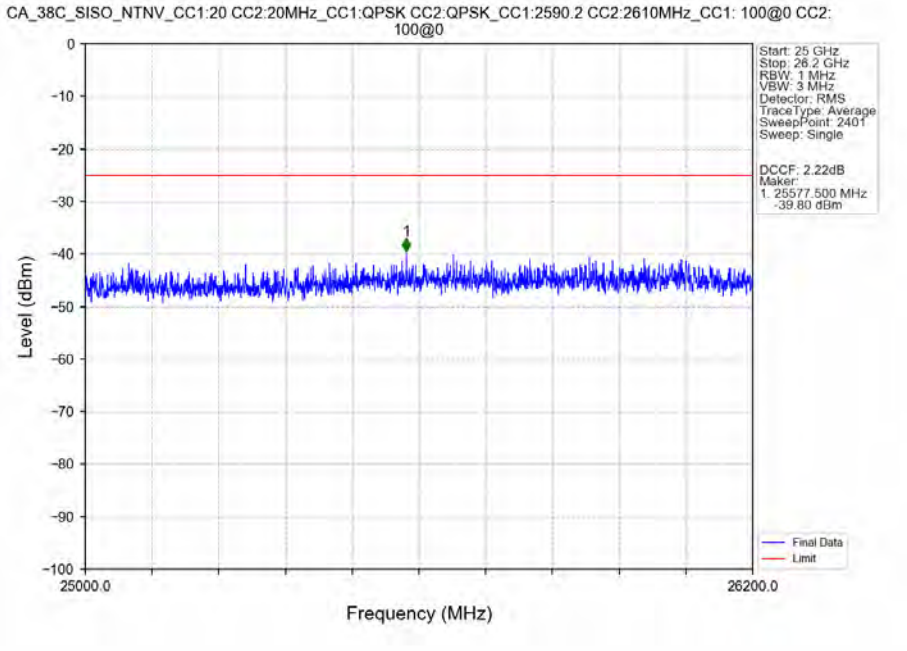
CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0



CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0



CA_38C_SISO_NTNV_CC1:20 CC2:20MHz_CC1:QPSK CC2:QPSK_CC1:2590.2 CC2:2610MHz_CC1: 100@0 CC2: 100@0



4. Field Strength of Spurious Radiation

CA_38C-Low channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5142.0	-62.56	-25	-37.56	-68.17	4.62	10.23	Horizontal	Pass
7713.0	-59.03	-25	-34.03	-66.06	4.96	11.99	Horizontal	Pass
10284.0	-56.34	-25	-31.34	-63.91	5.51	13.08	Horizontal	Pass
5142.0	-63.25	-25	-38.25	-68.86	4.62	10.23	Vertical	Pass
7713.0	-59.24	-25	-34.24	-66.27	4.96	11.99	Vertical	Pass
10284.0	-56.11	-25	-31.11	-63.68	5.51	13.08	Vertical	Pass

CA_38C-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**
5152.2	-62.93	-25	-37.93	-68.54	4.62	10.23	Horizontal	Pass
7728.3	-58.69	-25	-33.69	-65.74	4.96	12.01	Horizontal	Pass
10304.4	-55.92	-25	-30.92	-63.49	5.51	13.08	Horizontal	Pass
5152.2	-62.67	-25	-37.67	-68.28	4.62	10.23	Vertical	Pass
7728.3	-58.8	-25	-33.8	-65.85	4.96	12.01	Vertical	Pass
10304.4	-55.89	-25	-30.89	-63.46	5.51	13.08	Vertical	Pass

CA_38C-High channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5162.2	-62.96	-25	-37.96	-68.58	4.62	10.24	Horizontal	Pass
7743.3	-58.59	-25	-33.59	-65.66	4.96	12.03	Horizontal	Pass
10324.4	-55.82	-25	-30.82	-63.4	5.51	13.09	Horizontal	Pass
5162.2	-62.88	-25	-37.88	-68.5	4.62	10.24	Vertical	Pass
7743.3	-58.69	-25	-33.69	-65.76	4.96	12.03	Vertical	Pass
10324.4	-56.18	-25	-31.18	-63.76	5.51	13.09	Vertical	Pass