

Band: 40b / Bandwidth: 10MHz / NTV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2355	1	0	20.26	-2.20	18.06	<=23.98	Pass
			25	20.46	-2.20	18.26	<=23.98	Pass
			49	20.47	-2.20	18.27	<=23.98	Pass
		25	0	19.34	-2.20	17.14	<=23.98	Pass
			13	19.25	-2.20	17.05	<=23.98	Pass
			25	19.19	-2.20	16.99	<=23.98	Pass
		50	0	19.75	-2.20	17.55	<=23.98	Pass
16QAM	2355	1	0	19.87	-2.20	17.67	<=23.98	Pass
			25	19.82	-2.20	17.62	<=23.98	Pass
			49	19.75	-2.20	17.55	<=23.98	Pass
		25	0	18.76	-2.20	16.56	<=23.98	Pass
			13	18.98	-2.20	16.78	<=23.98	Pass
			25	18.63	-2.20	16.43	<=23.98	Pass
		50	0	18.76	-2.20	16.56	<=23.98	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B40b_5MHz

Band: 40b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2352.5	25	0	20	3.27	3.319	0.0014	-2.5 to 2.5	Pass
					3.85	3.648	0.0016	-2.5 to 2.5	Pass
					4.43	1.073	0.0005	-2.5 to 2.5	Pass
				-30	3.85	4.220	0.0018	-2.5 to 2.5	Pass
				-20	3.85	4.363	0.0019	-2.5 to 2.5	Pass
				-10	3.85	3.276	0.0014	-2.5 to 2.5	Pass
				0	3.85	6.824	0.0029	-2.5 to 2.5	Pass
				10	3.85	3.362	0.0014	-2.5 to 2.5	Pass
				30	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				40	3.85	2.546	0.0011	-2.5 to 2.5	Pass
				50	3.85	4.363	0.0019	-2.5 to 2.5	Pass
	2355	25	0	20	3.27	4.592	0.0019	-2.5 to 2.5	Pass
					3.85	2.332	0.0010	-2.5 to 2.5	Pass
					4.43	4.635	0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.359	0.0006	-2.5 to 2.5	Pass
				-20	3.85	4.735	0.0020	-2.5 to 2.5	Pass
				-10	3.85	3.190	0.0014	-2.5 to 2.5	Pass
				0	3.85	6.452	0.0027	-2.5 to 2.5	Pass
				10	3.85	3.476	0.0015	-2.5 to 2.5	Pass
				30	3.85	5.221	0.0022	-2.5 to 2.5	Pass
				40	3.85	5.064	0.0022	-2.5 to 2.5	Pass
				50	3.85	4.821	0.0020	-2.5 to 2.5	Pass
	2357.5	25	0	20	3.27	2.732	0.0012	-2.5 to 2.5	Pass
					3.85	3.376	0.0014	-2.5 to 2.5	Pass
					4.43	1.059	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.845	0.0008	-2.5 to 2.5	Pass
				-20	3.85	6.051	0.0026	-2.5 to 2.5	Pass
				-10	3.85	5.636	0.0024	-2.5 to 2.5	Pass
				0	3.85	3.648	0.0015	-2.5 to 2.5	Pass

16QAM				10	3.85	3.490	0.0015	-2.5 to 2.5	Pass
				30	3.85	4.721	0.0020	-2.5 to 2.5	Pass
				40	3.85	5.336	0.0023	-2.5 to 2.5	Pass
				50	3.85	3.719	0.0016	-2.5 to 2.5	Pass
	2352.5	25	0	20	3.27	6.824	0.0029	-2.5 to 2.5	Pass
					3.85	4.234	0.0018	-2.5 to 2.5	Pass
					4.43	4.263	0.0018	-2.5 to 2.5	Pass
				-30	3.85	4.034	0.0017	-2.5 to 2.5	Pass
				-20	3.85	3.448	0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.772	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.230	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.545	0.0007	-2.5 to 2.5	Pass
				40	3.85	3.161	0.0013	-2.5 to 2.5	Pass
				50	3.85	2.289	0.0010	-2.5 to 2.5	Pass
	2355	25	0	20	3.27	3.576	0.0015	-2.5 to 2.5	Pass
					3.85	4.792	0.0020	-2.5 to 2.5	Pass
					4.43	4.649	0.0020	-2.5 to 2.5	Pass
				-30	3.85	4.606	0.0020	-2.5 to 2.5	Pass
				-20	3.85	4.134	0.0018	-2.5 to 2.5	Pass
				-10	3.85	0.987	0.0004	-2.5 to 2.5	Pass
				0	3.85	1.287	0.0005	-2.5 to 2.5	Pass
				10	3.85	1.488	0.0006	-2.5 to 2.5	Pass
				30	3.85	2.618	0.0011	-2.5 to 2.5	Pass
				40	3.85	3.047	0.0013	-2.5 to 2.5	Pass
				50	3.85	2.260	0.0010	-2.5 to 2.5	Pass
	2357.5	25	0	20	3.27	3.920	0.0017	-2.5 to 2.5	Pass
					3.85	4.334	0.0018	-2.5 to 2.5	Pass
					4.43	0.243	0.0001	-2.5 to 2.5	Pass
				-30	3.85	2.947	0.0013	-2.5 to 2.5	Pass
				-20	3.85	2.961	0.0013	-2.5 to 2.5	Pass
				-10	3.85	2.832	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.974	0.0008	-2.5 to 2.5	Pass
				10	3.85	3.619	0.0015	-2.5 to 2.5	Pass
				30	3.85	1.330	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.661	0.0011	-2.5 to 2.5	Pass
				50	3.85	3.805	0.0016	-2.5 to 2.5	Pass

2.1.2 B40b_10MHz

Band: 40b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2355	50	0	20	3.27	4.334	0.0018	-2.5 to 2.5	Pass
					3.85	2.317	0.0010	-2.5 to 2.5	Pass
					4.43	4.263	0.0018	-2.5 to 2.5	Pass
				-30	3.85	4.506	0.0019	-2.5 to 2.5	Pass
				-20	3.85	2.589	0.0011	-2.5 to 2.5	Pass
				-10	3.85	3.791	0.0016	-2.5 to 2.5	Pass
				0	3.85	5.851	0.0025	-2.5 to 2.5	Pass
				10	3.85	6.137	0.0026	-2.5 to 2.5	Pass
				30	3.85	3.519	0.0015	-2.5 to 2.5	Pass
				40	3.85	2.346	0.0010	-2.5 to 2.5	Pass
				50	3.85	2.561	0.0011	-2.5 to 2.5	Pass
16QAM	2355	50	0	20	3.27	4.148	0.0018	-2.5 to 2.5	Pass
					3.85	2.103	0.0009	-2.5 to 2.5	Pass
					4.43	3.862	0.0016	-2.5 to 2.5	Pass

				-30	3.85	3.204	0.0014	-2.5 to 2.5	Pass
				-20	3.85	1.616	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.715	0.0003	-2.5 to 2.5	Pass
				0	3.85	4.764	0.0020	-2.5 to 2.5	Pass
				10	3.85	4.191	0.0018	-2.5 to 2.5	Pass
				30	3.85	4.935	0.0021	-2.5 to 2.5	Pass
				40	3.85	3.061	0.0013	-2.5 to 2.5	Pass
				50	3.85	1.960	0.0008	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B40b_5MHz

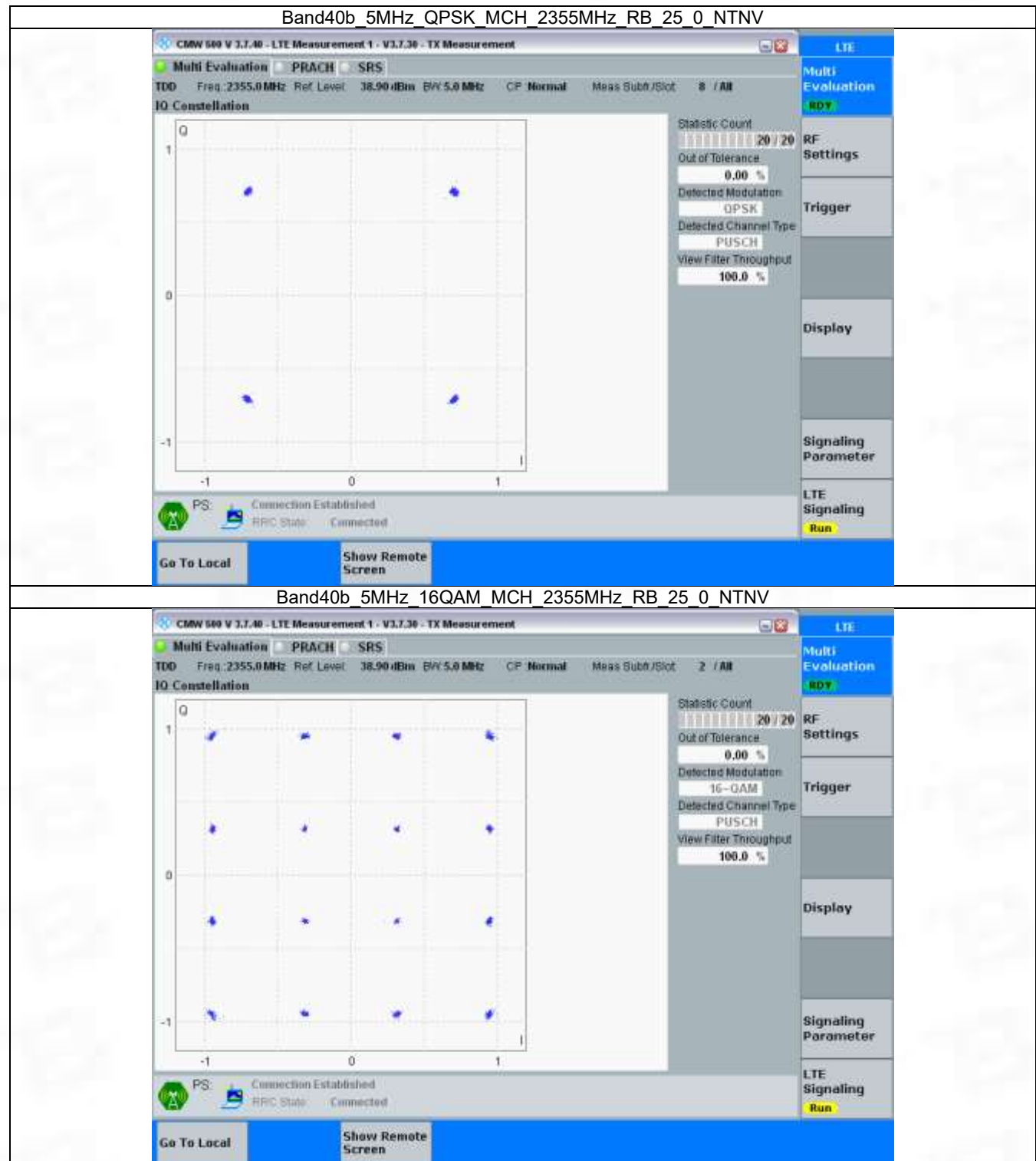
Band: 40b / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2355	25	0	Refer To Test Graph		Pass
16QAM	2355	25	0	Refer To Test Graph		Pass

3.1.2 B40b_10MHz

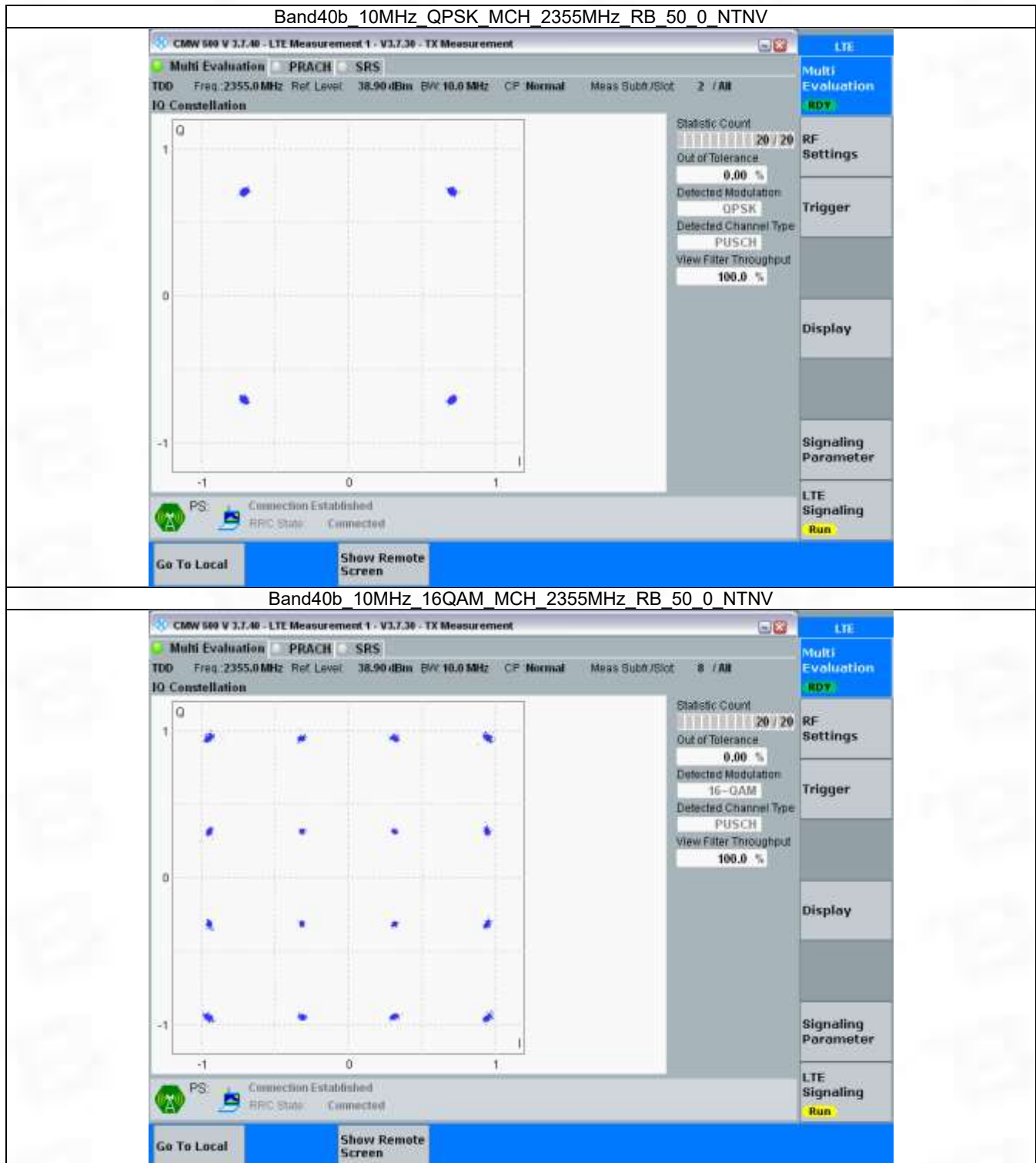
Band: 40b / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2355	50	0	Refer To Test Graph		Pass
16QAM	2355	50	0	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 B40b_5MHz



3.2.2 B40b_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band40b_OBW

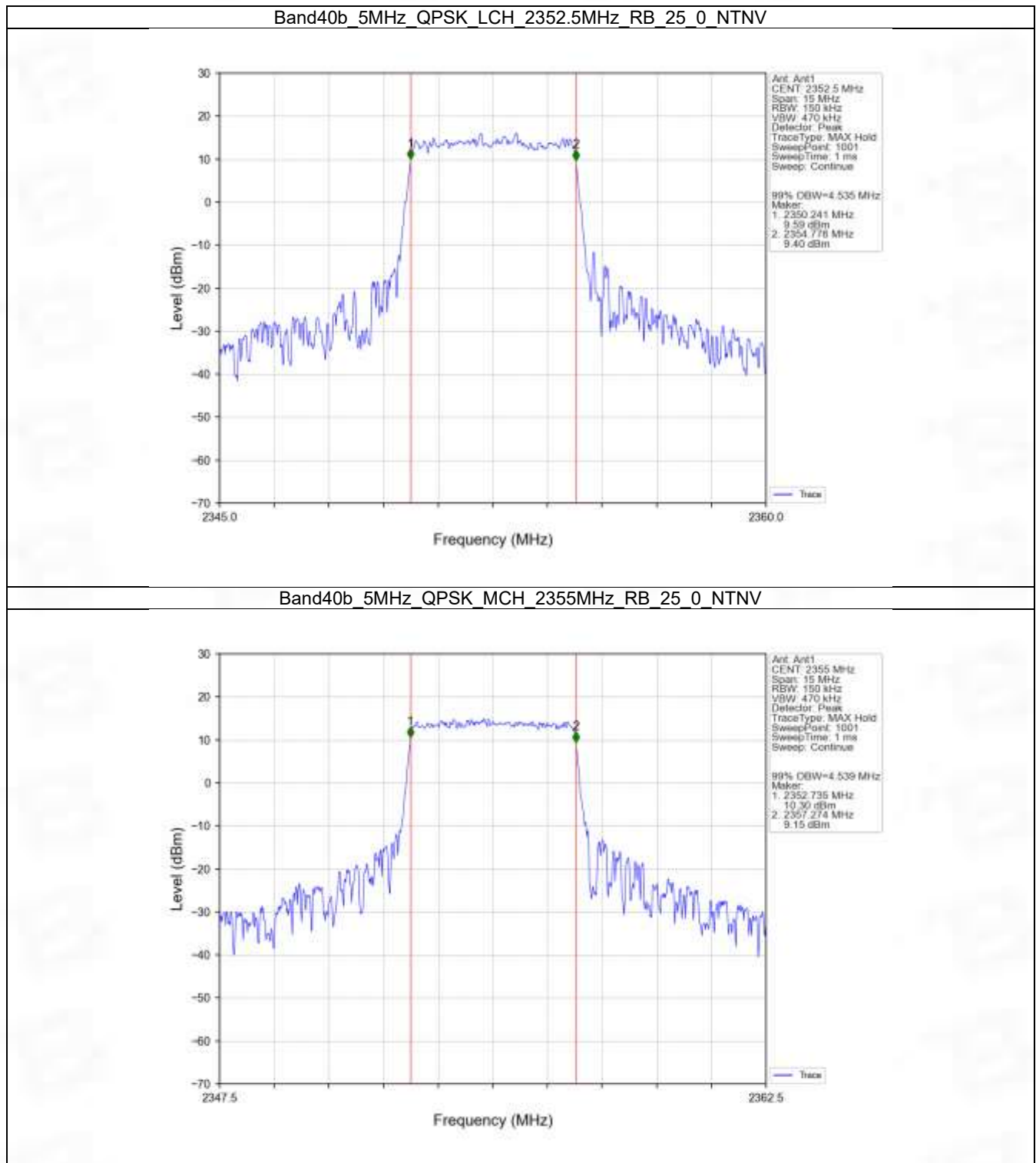
Band: 40b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2352.5	25	0	4.535	/	Pass
		2355	25	0	4.539	/	Pass
		2357.5	25	0	4.558	/	Pass
	16QAM	2352.5	25	0	4.536	/	Pass
		2355	25	0	4.601	/	Pass
		2357.5	25	0	4.567	/	Pass
10	QPSK	2355	50	0	9.057	/	Pass
	16QAM	2355	50	0	9.091	/	Pass

4.1.2 Band40b_XDB

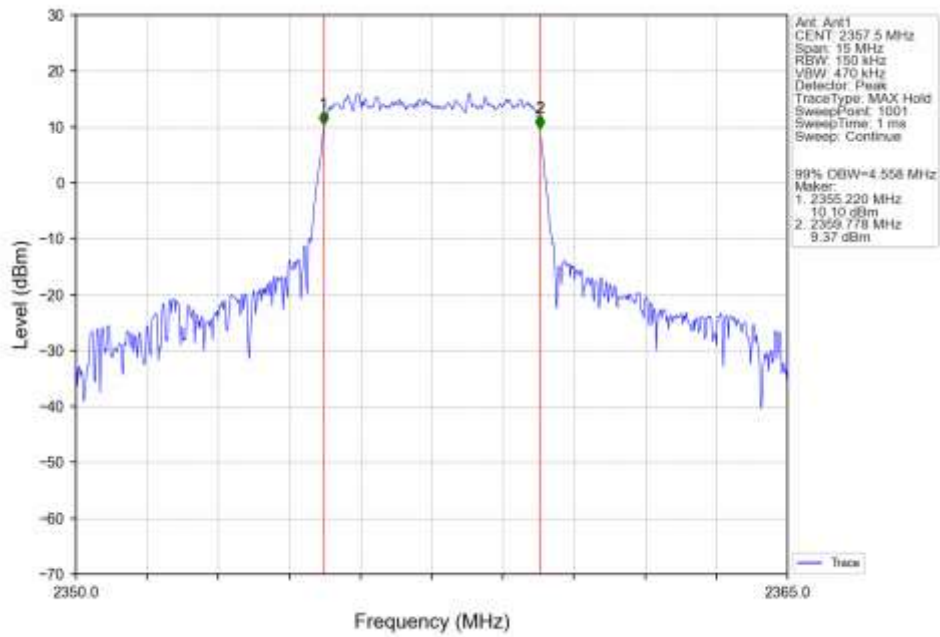
Band: 40b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2352.5	25	0	5.036	/	Pass
		2355	25	0	5.092	/	Pass
		2357.5	25	0	5.109	/	Pass
	16QAM	2352.5	25	0	5.054	/	Pass
		2355	25	0	5.205	/	Pass
		2357.5	25	0	5.056	/	Pass
10	QPSK	2355	50	0	10.022	/	Pass
	16QAM	2355	50	0	10.095	/	Pass

4.2 Test Graph

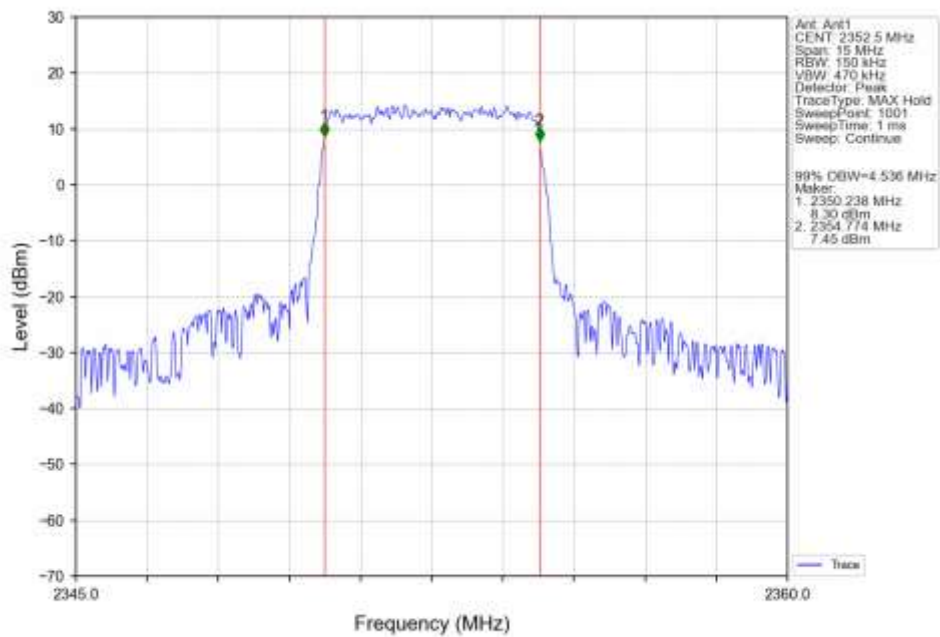
4.2.1 Band40b_OBW



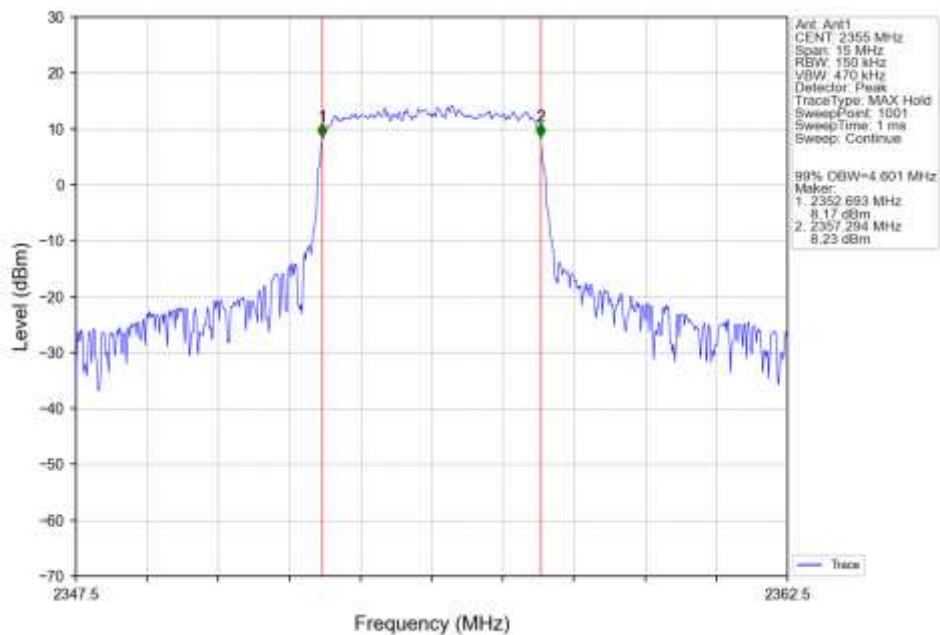
Band40b 5MHz QPSK HCH 2357.5MHz RB 25 0 NTNV



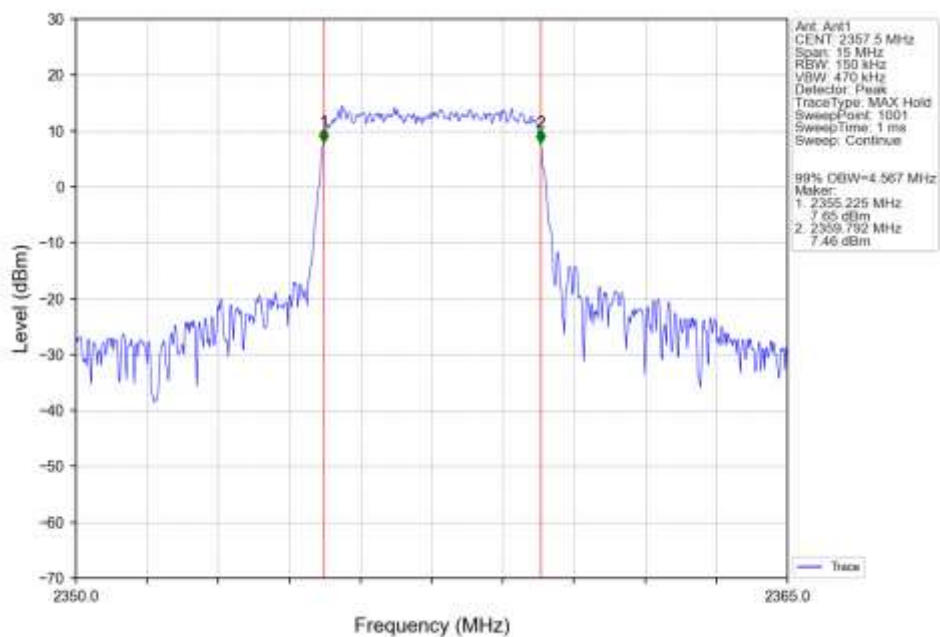
Band40b 5MHz 16QAM LCH 2352.5MHz RB 25 0 NTNV



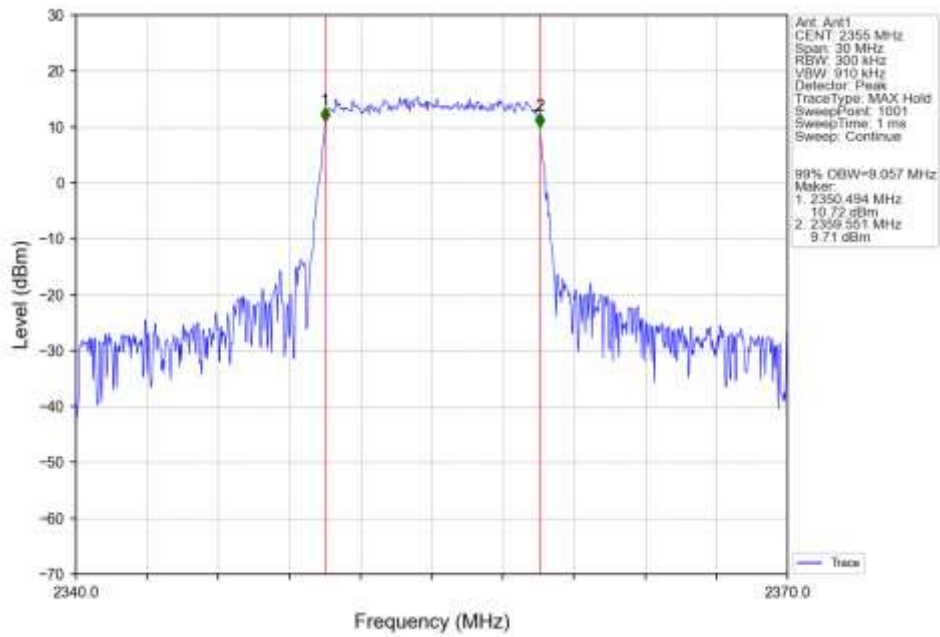
Band40b 5MHz 16QAM MCH 2355MHz RB 25 0 NTNV



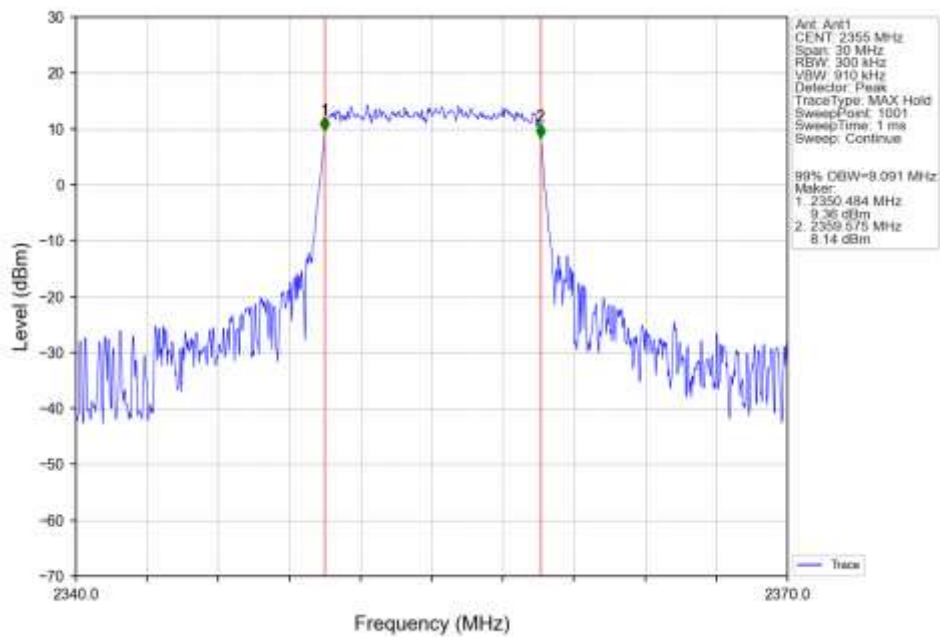
Band40b 5MHz 16QAM HCH 2357.5MHz RB 25 0 NTNV



Band40b 10MHz QPSK MCH 2355MHz RB 50 0 NTNV

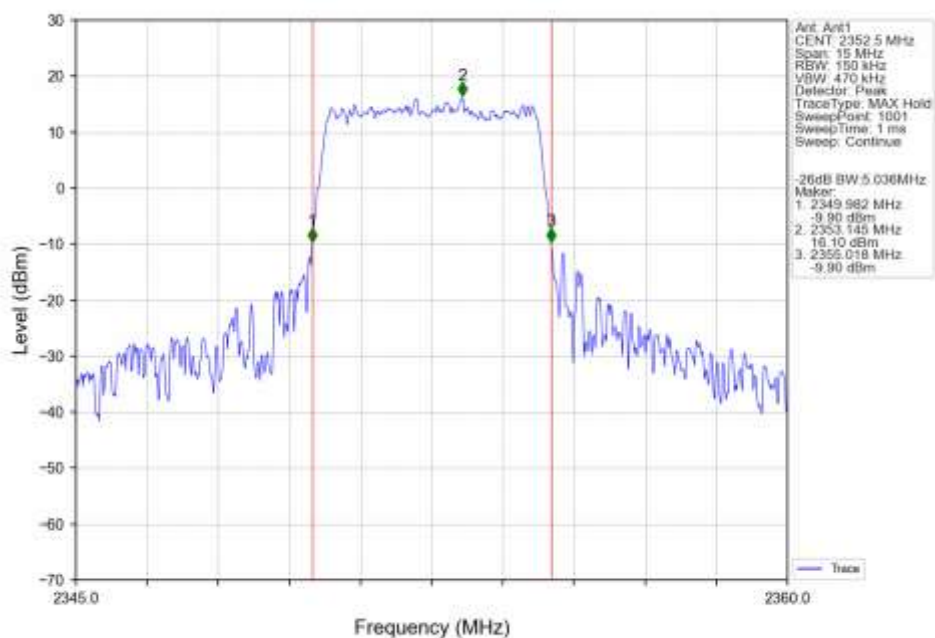


Band40b 10MHz 16QAM MCH 2355MHz RB 50 0 NTNV

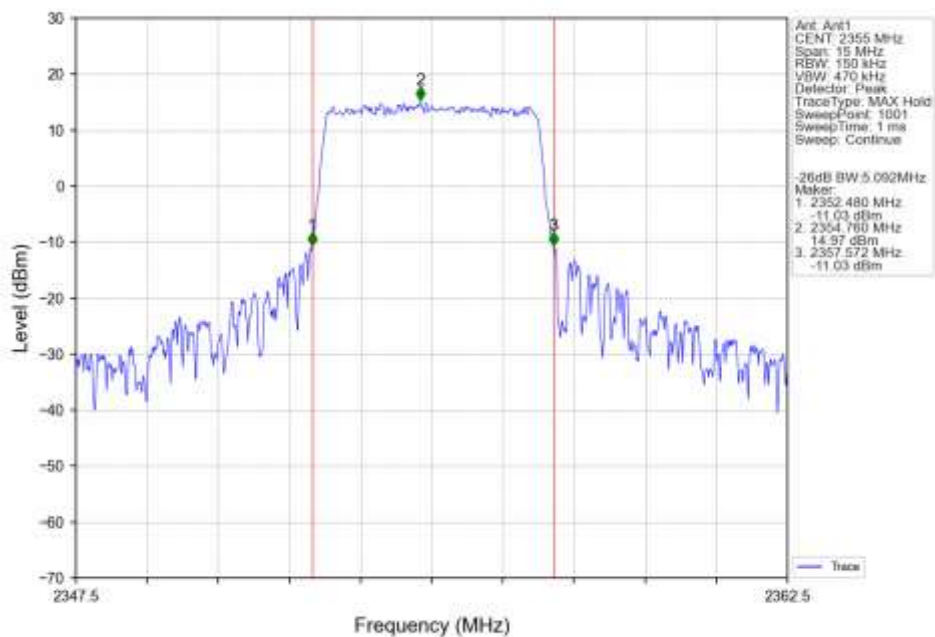


4.2.2 Band40b_XDB

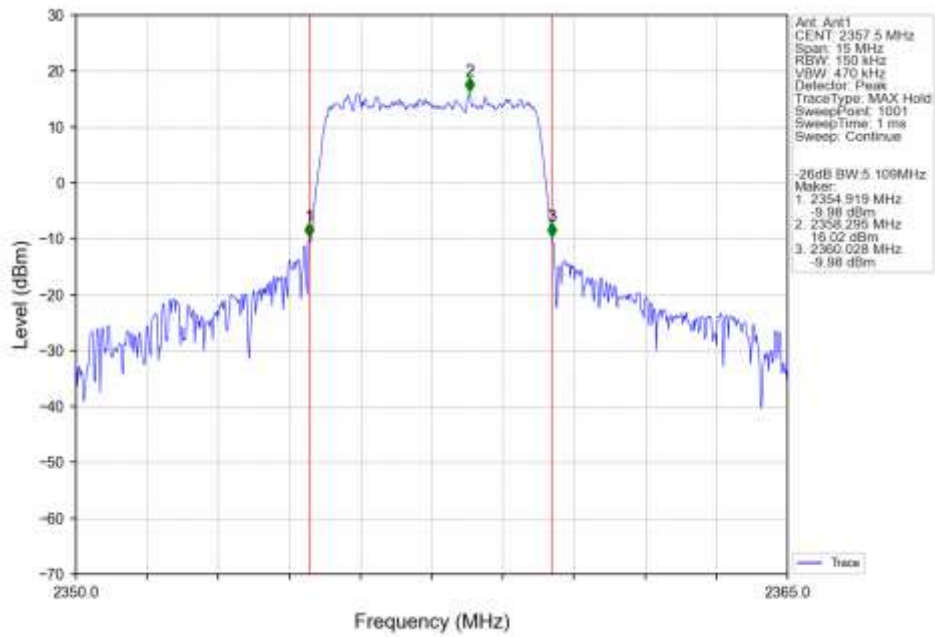
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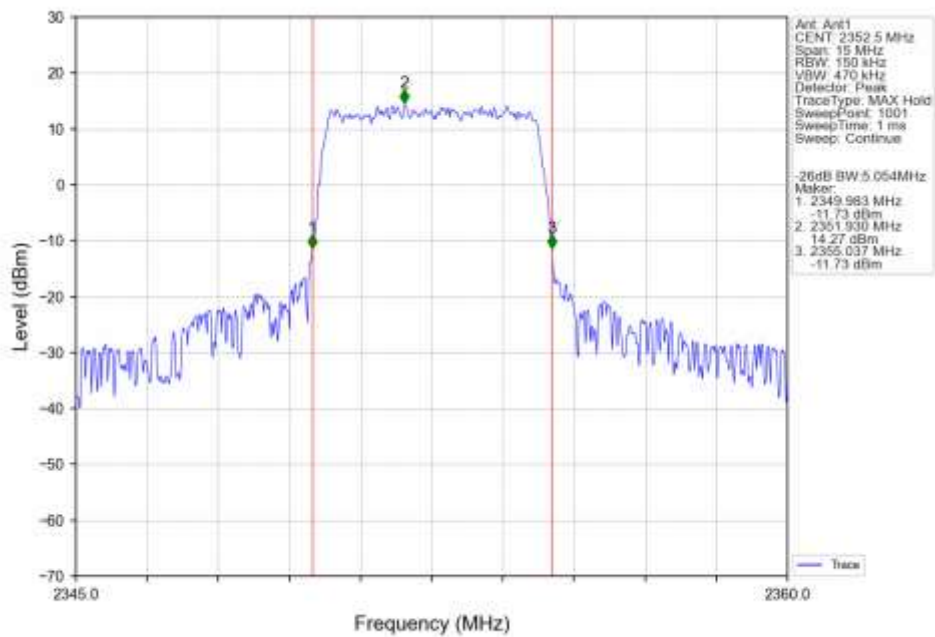
Band40b_5MHz_QPSK_MCH_2355MHz_RB_25_0_NTNV



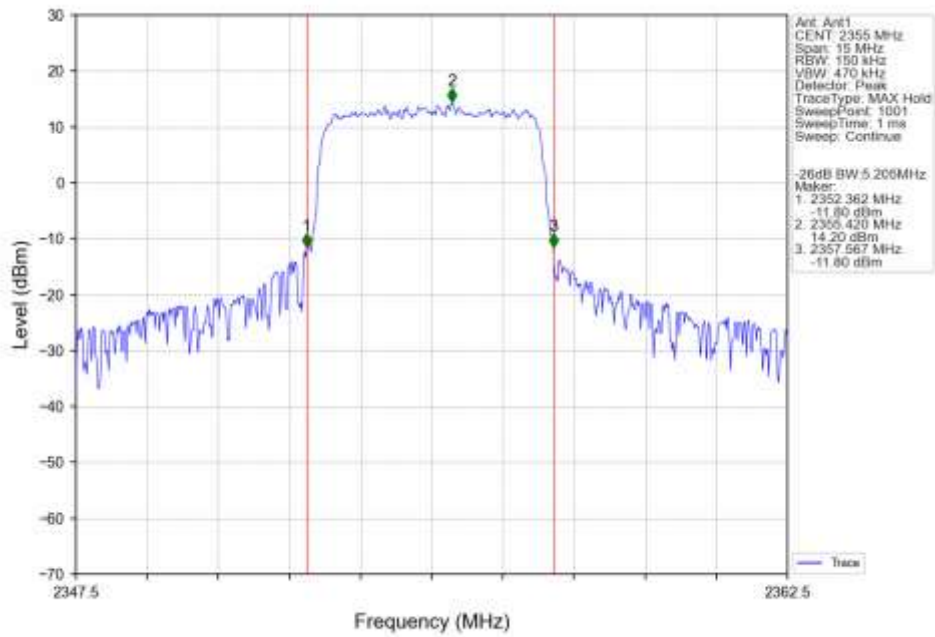
Band40b 5MHz QPSK HCH 2357.5MHz RB 25 0 NTNV



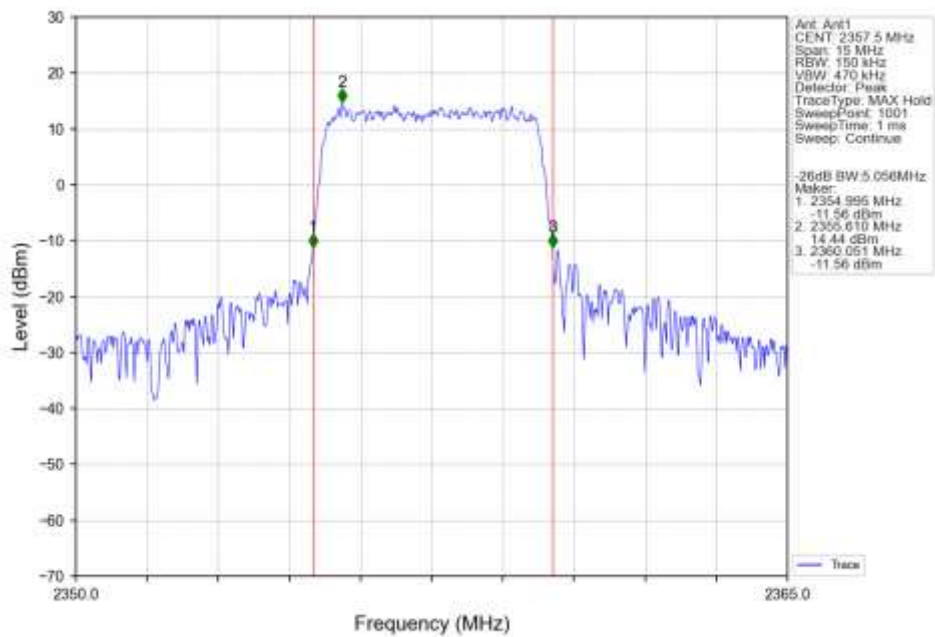
Band40b 5MHz 16QAM LCH 2352.5MHz RB 25 0 NTNV



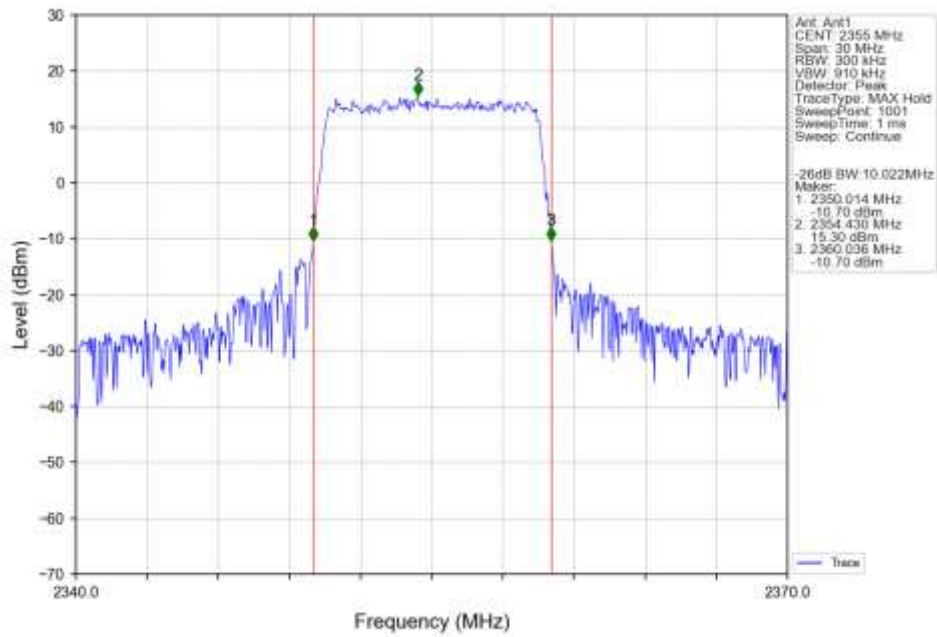
Band40b 5MHz 16QAM MCH 2355MHz RB 25 0 NTNV



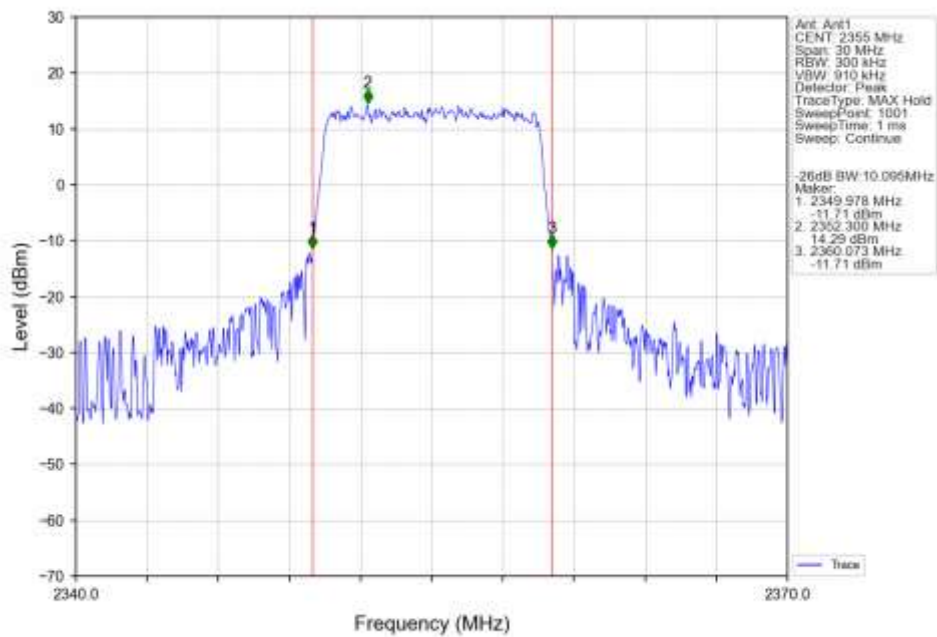
Band40b 5MHz 16QAM HCH 2357.5MHz RB 25 0 NTNV



Band40b 10MHz QPSK MCH 2355MHz RB 50 0 NTNV



Band40b 10MHz 16QAM MCH 2355MHz RB 50 0 NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B40b_5MHz

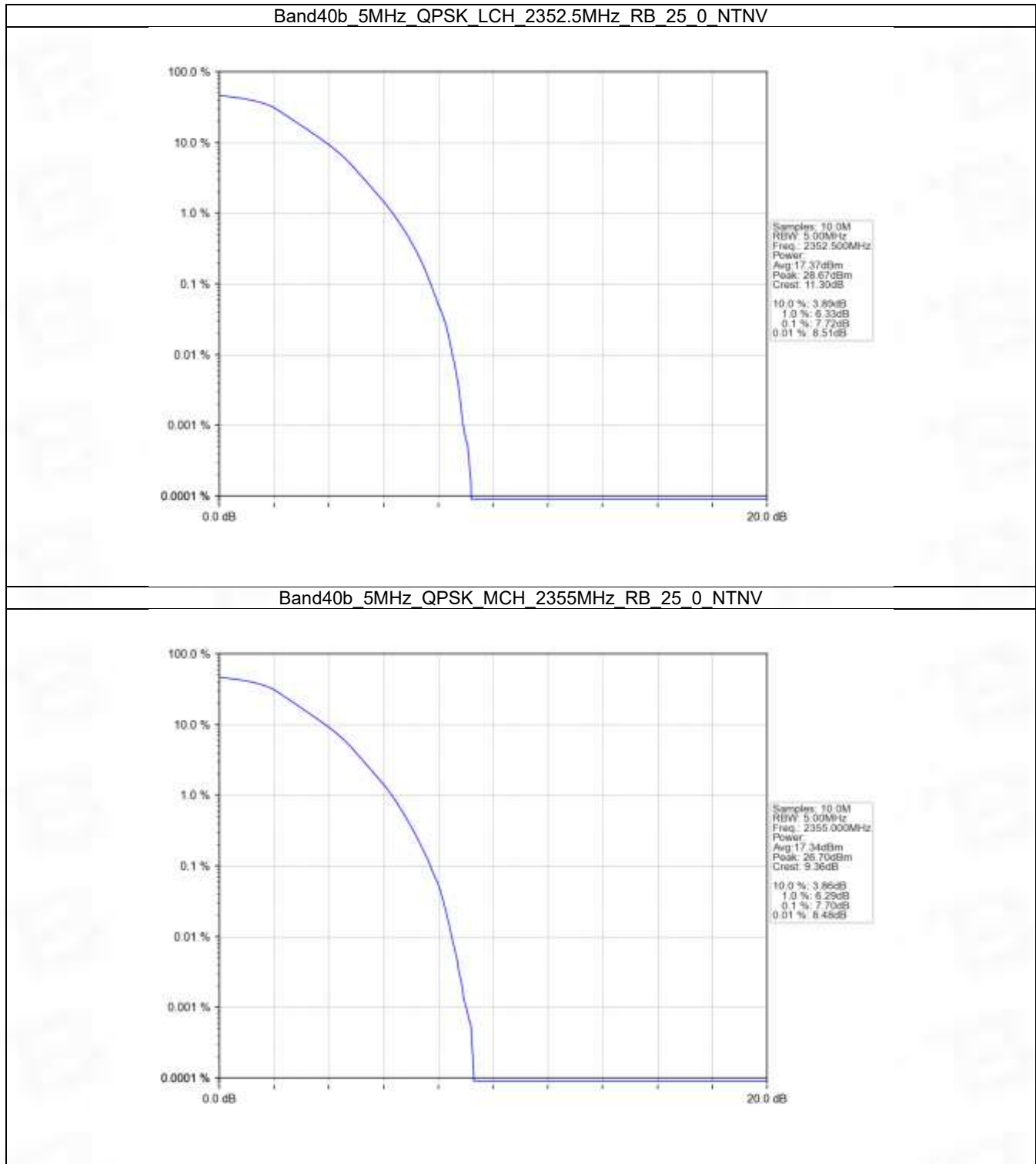
Band: 40b / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2352.5	25	0	7.72	<=13	Pass
	2355	25	0	7.70	<=13	Pass
	2357.5	25	0	7.73	<=13	Pass
16QAM	2352.5	25	0	8.39	<=13	Pass
	2355	25	0	8.43	<=13	Pass
	2357.5	25	0	8.63	<=13	Pass

5.1.2 B40b_10MHz

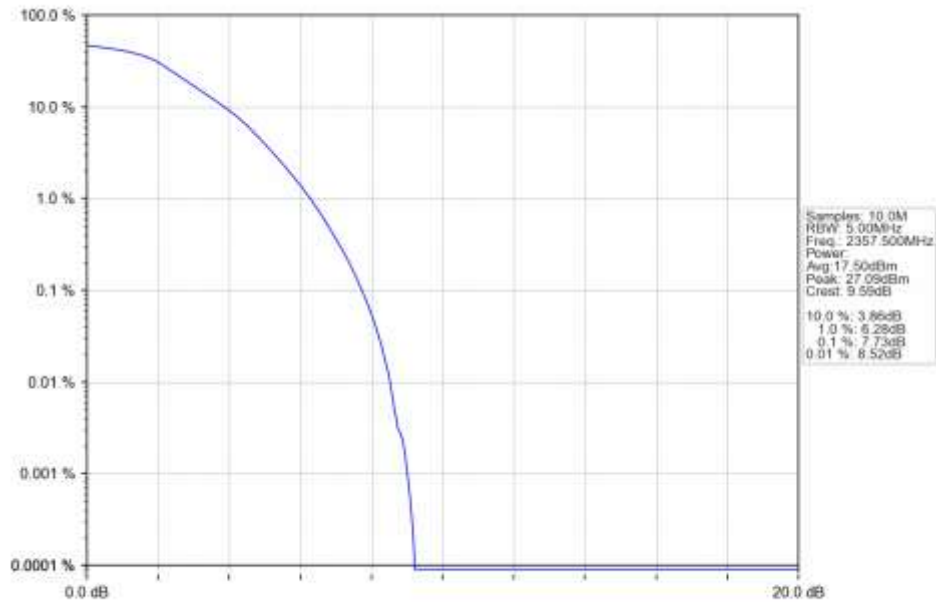
Band: 40b / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2355	50	0	7.75	<=13	Pass
16QAM	2355	50	0	8.42	<=13	Pass

5.2 Test Graph

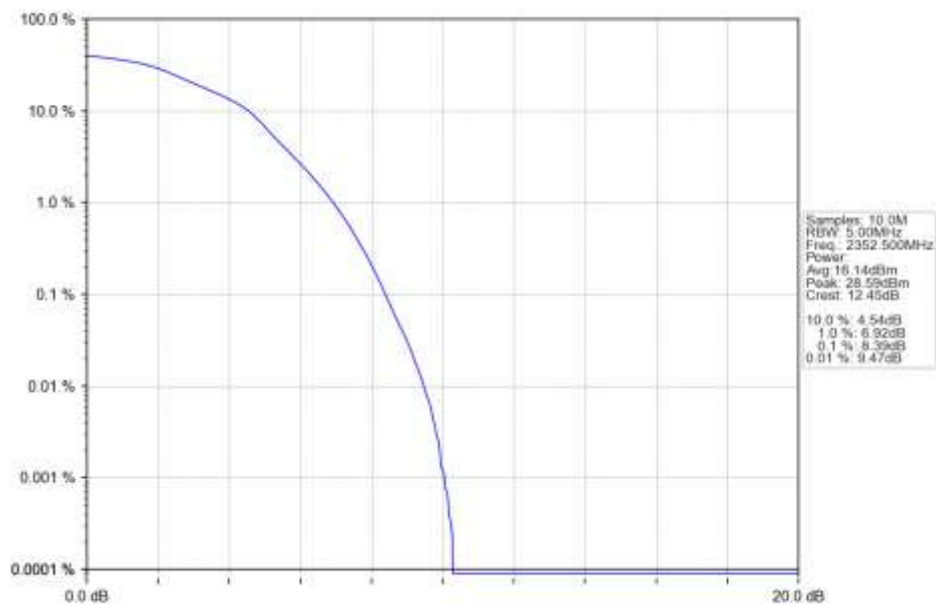
5.2.1 B40b_5MHz



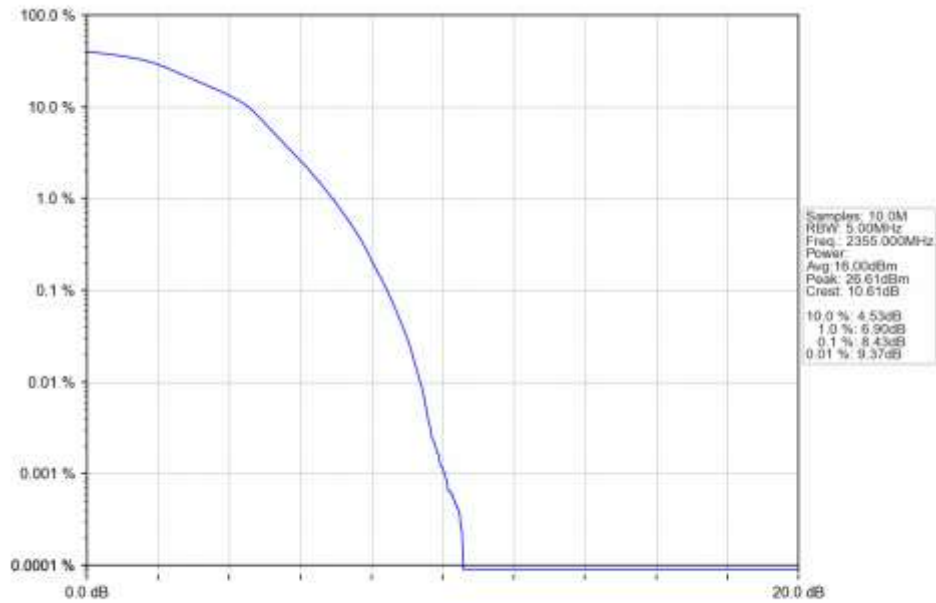
Band40b 5MHz QPSK HCH 2357.5MHz RB 25 0 NTNV



Band40b 5MHz 16QAM LCH 2352.5MHz RB 25 0 NTNV



Band40b 5MHz 16QAM MCH 2355MHz RB 25 0 NTNV

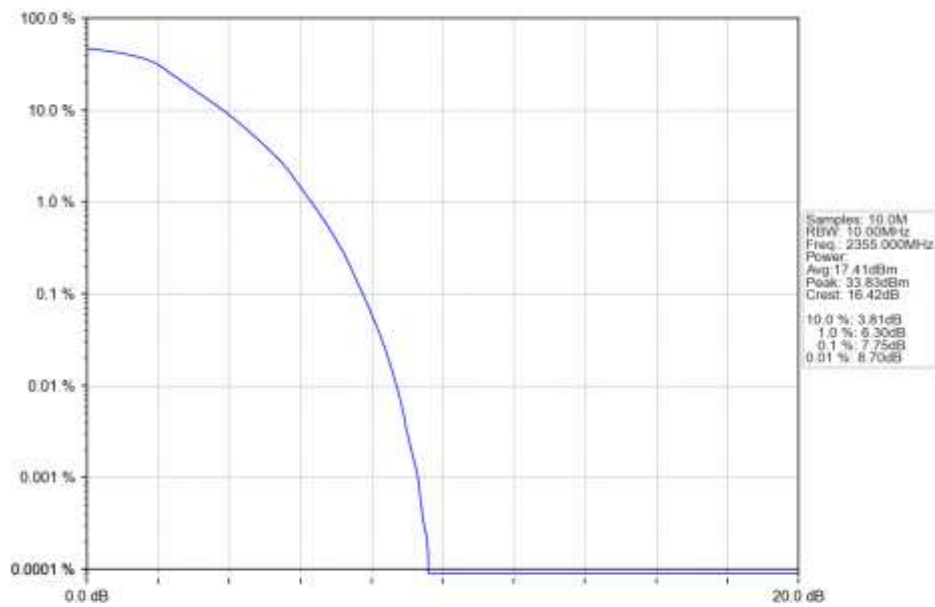


Band40b 5MHz 16QAM HCH 2357.5MHz RB 25 0 NTNV

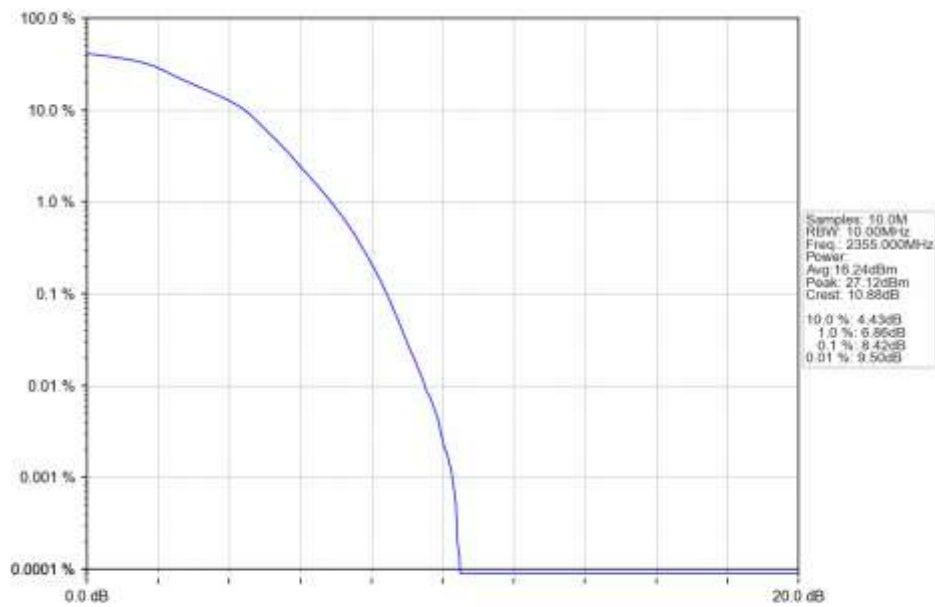


5.2.2 B40b_10MHz

Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B40b_5MHz

Band: 40b / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2352.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2357.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2352.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2357.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

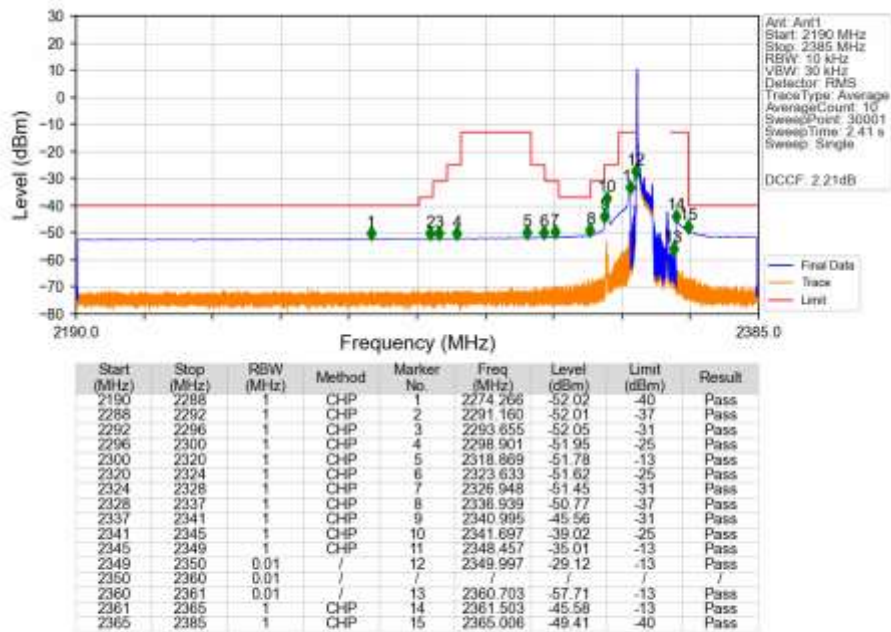
6.1.2 B40b_10MHz

Band: 40b / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2355	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2355	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2355	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2355	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

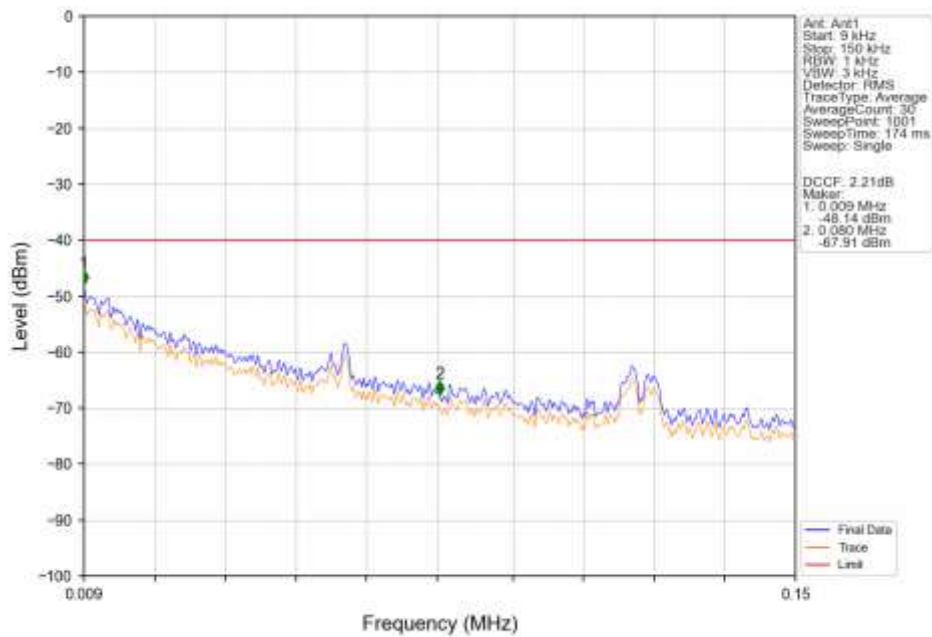
6.2 Test Graph

6.2.1 B40b_5MHz

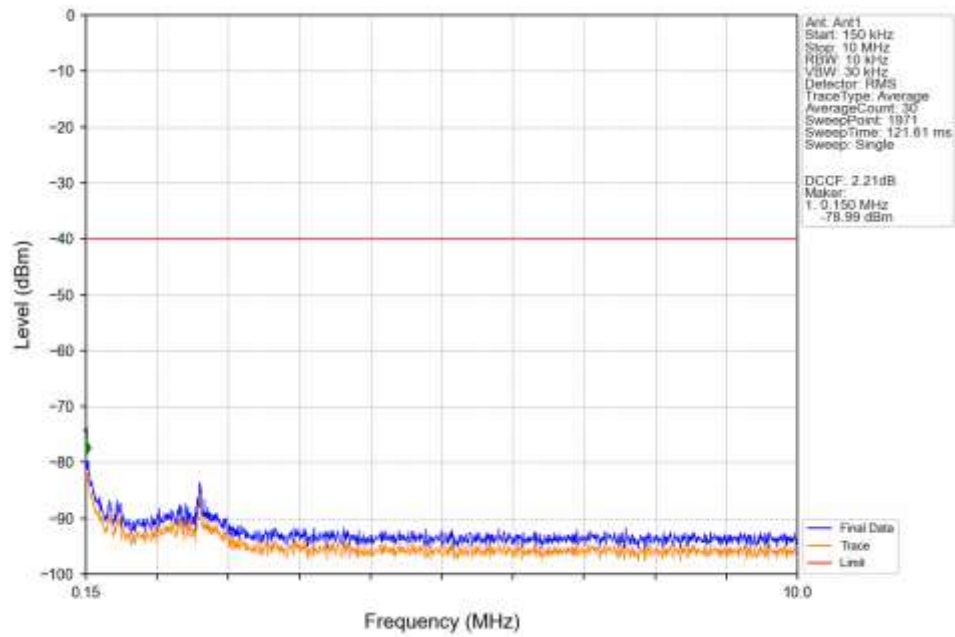
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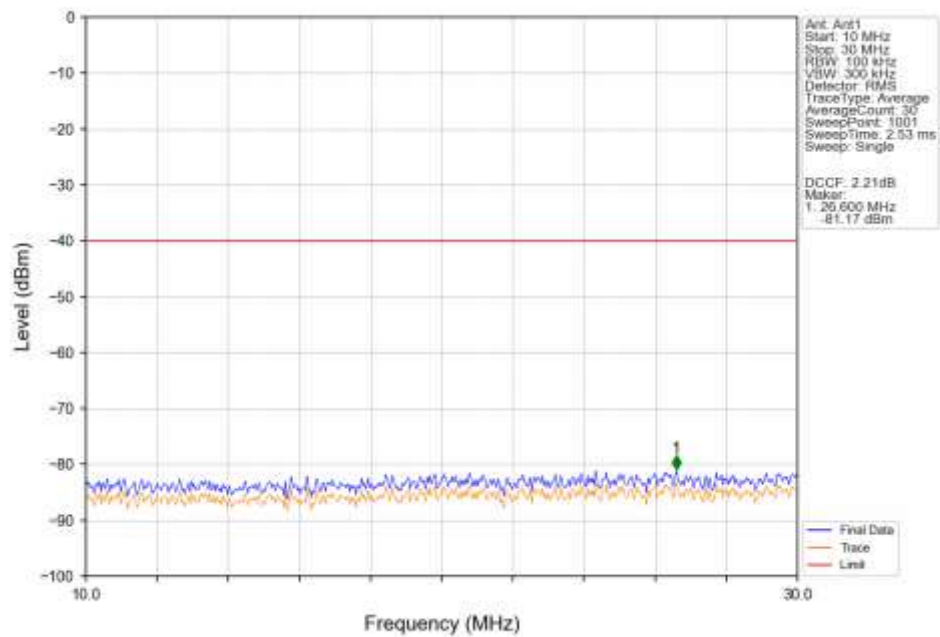
Band40b_5MHz_QPSK_LCH_2352.5MHz_RB_1_0_NTNV



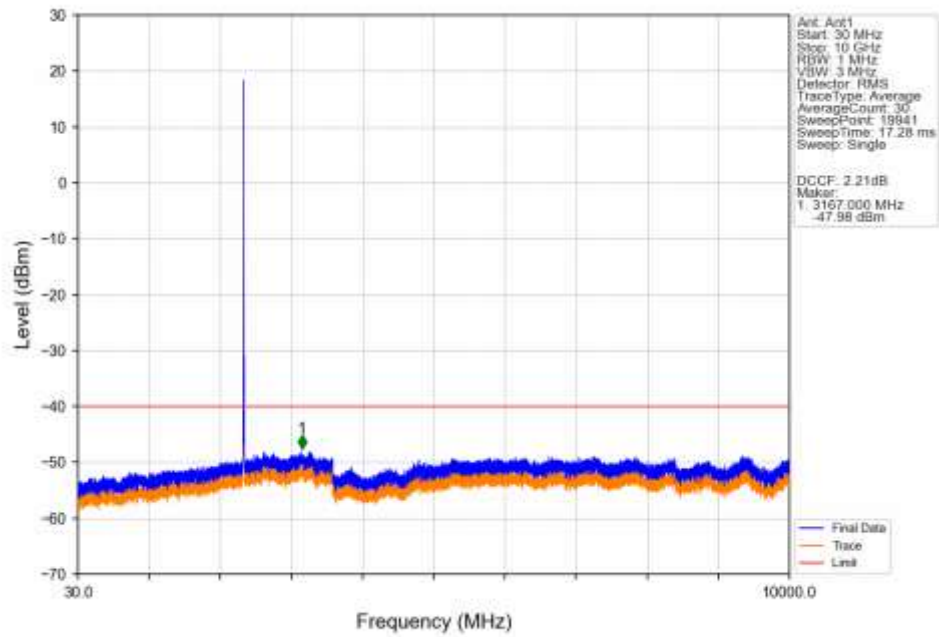
Band40b 5MHz QPSK LCH 2352.5MHz RB 1 0 NTV



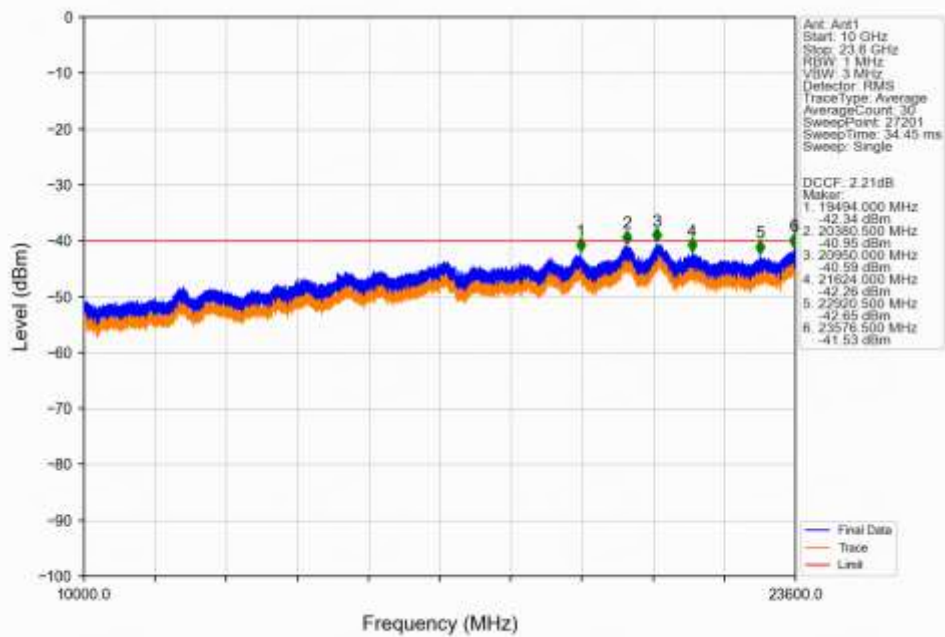
Band40b 5MHz QPSK LCH 2352.5MHz RB 1 0 NTV



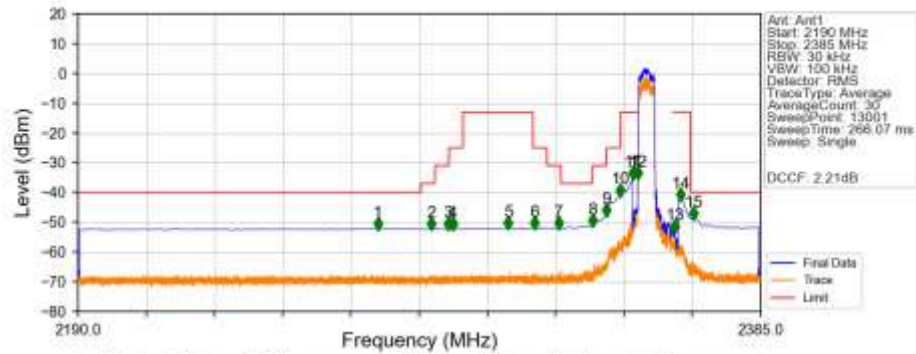
Band40b 5MHz QPSK LCH 2352.5MHz RB 1 0 NTNV



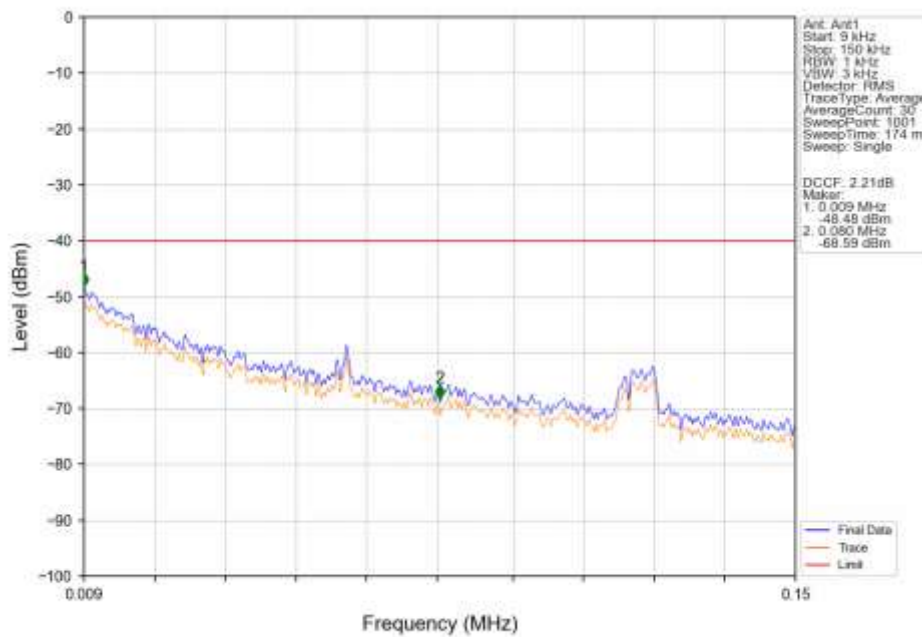
Band40b 5MHz QPSK LCH 2352.5MHz RB 1 0 NTNV



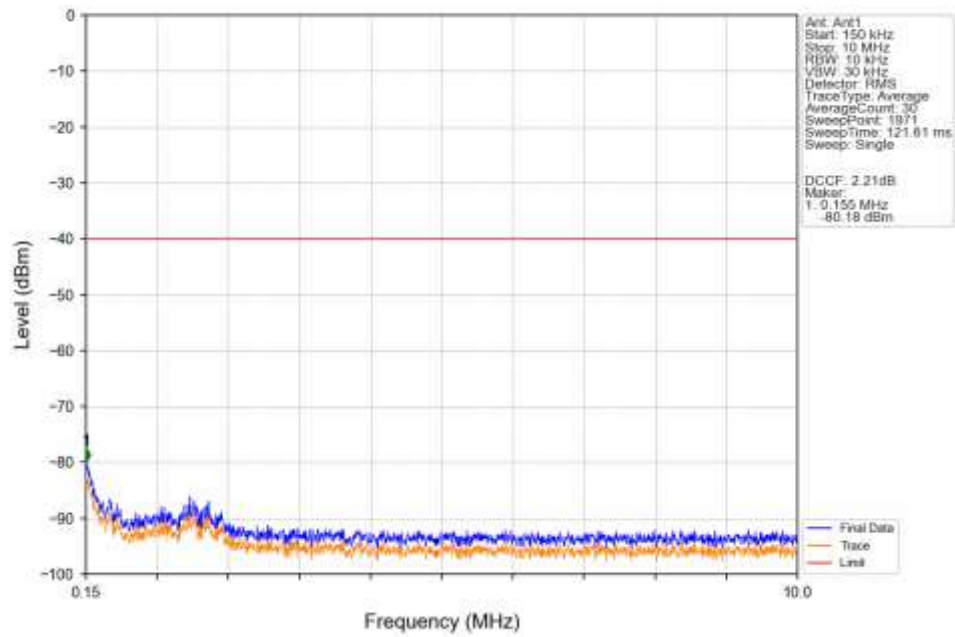
Band40b 5MHz QPSK LCH 2352.5MHz RB 25 0 NTNV



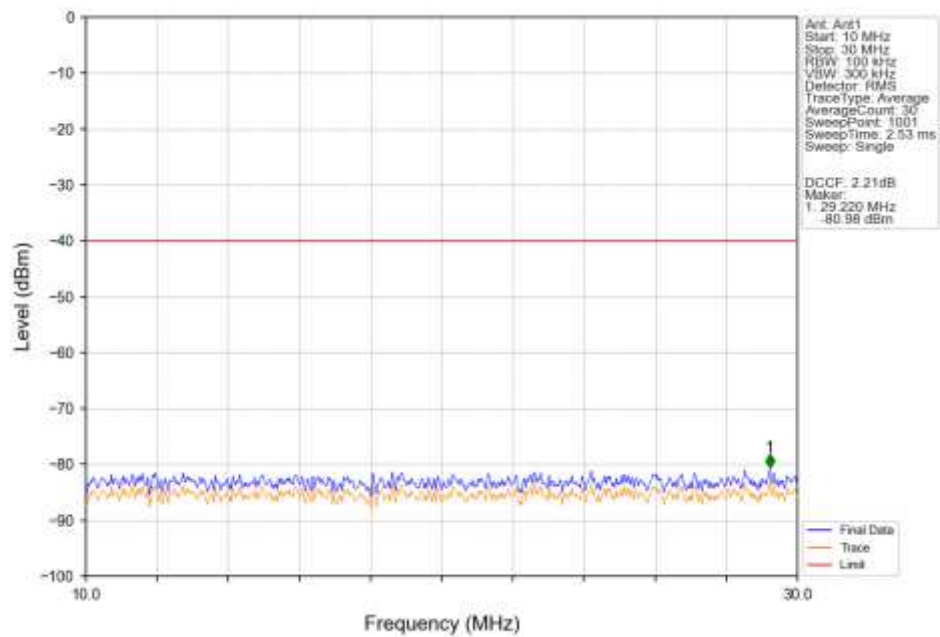
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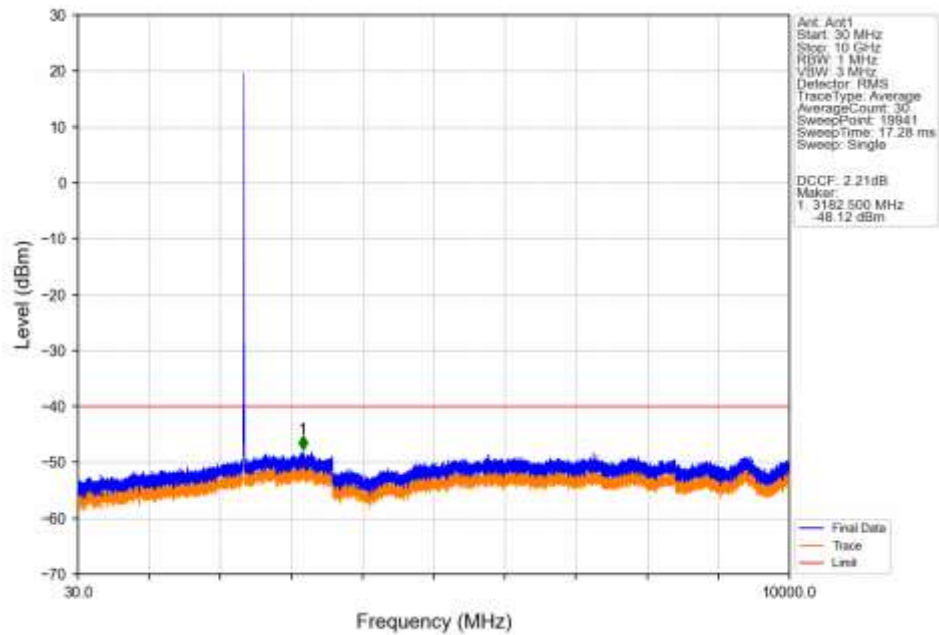
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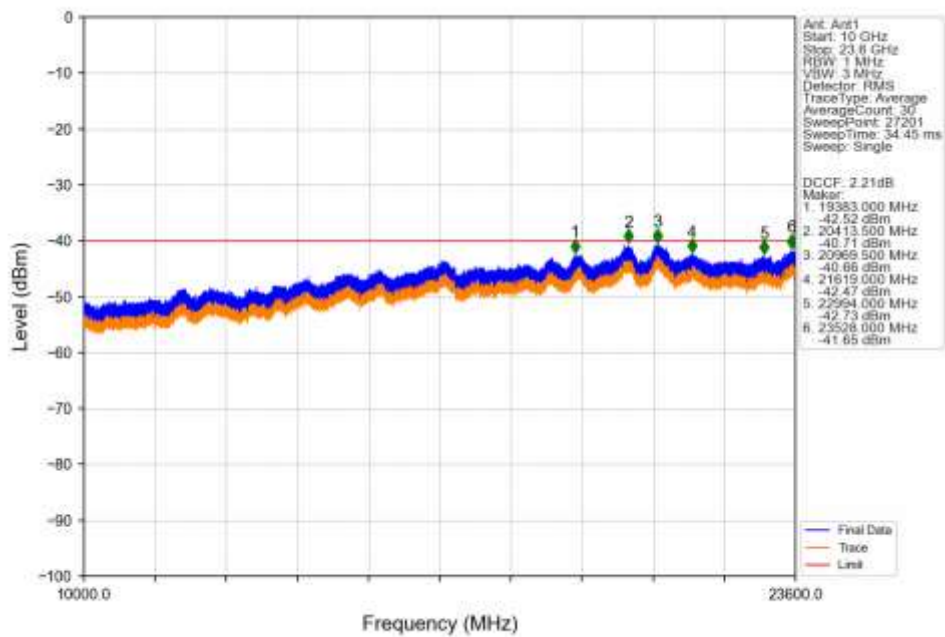
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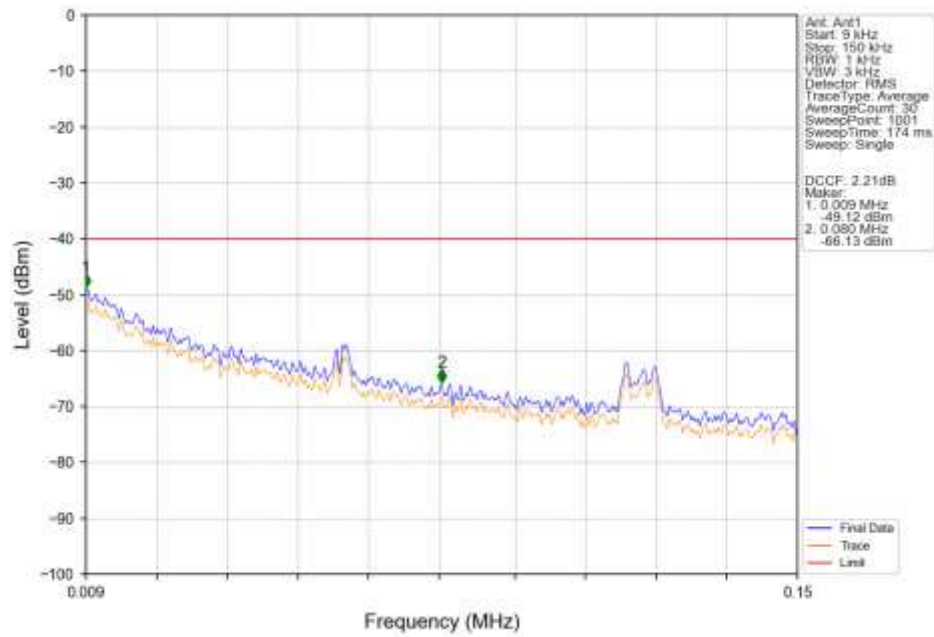
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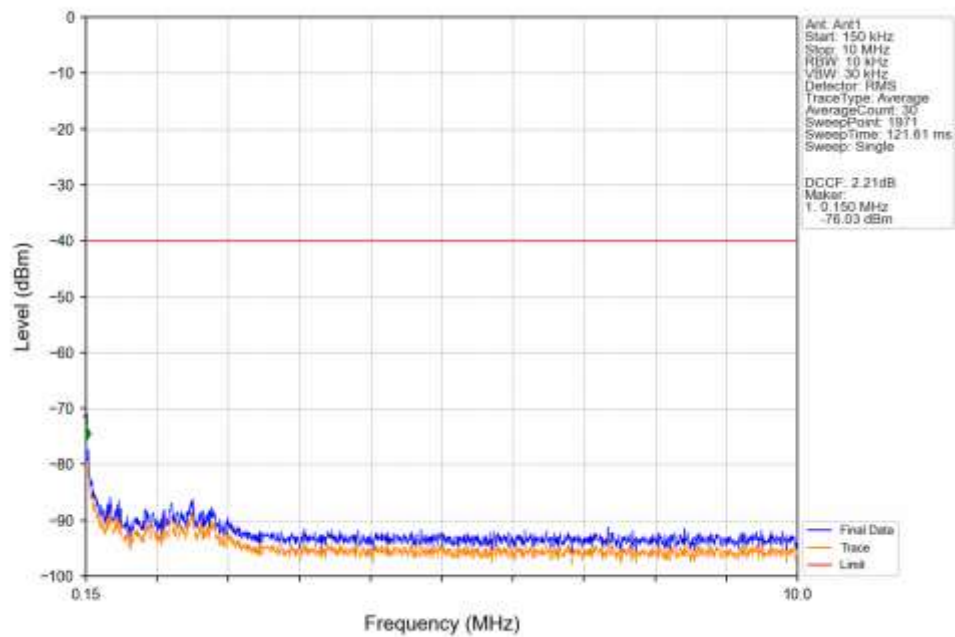
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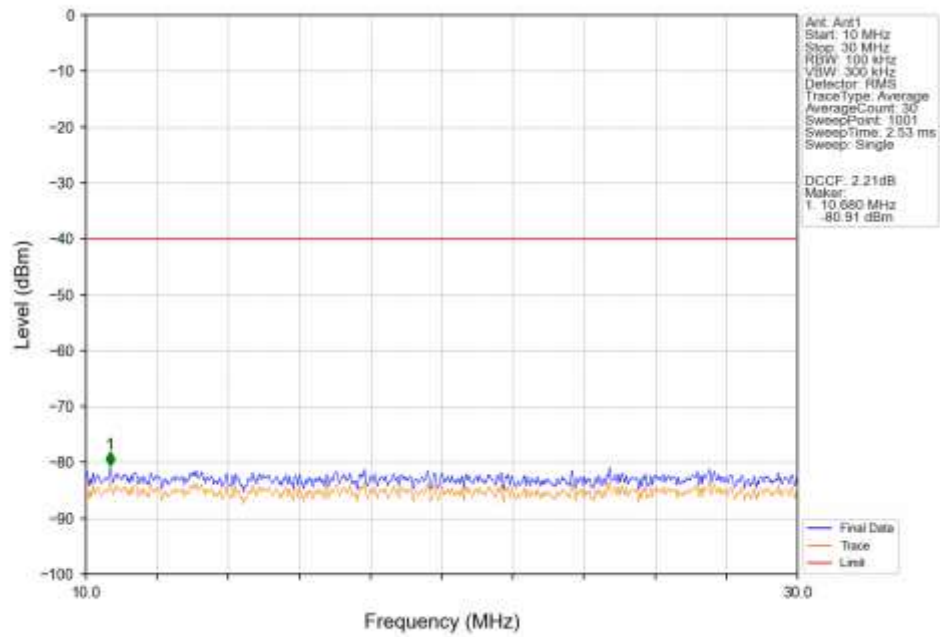
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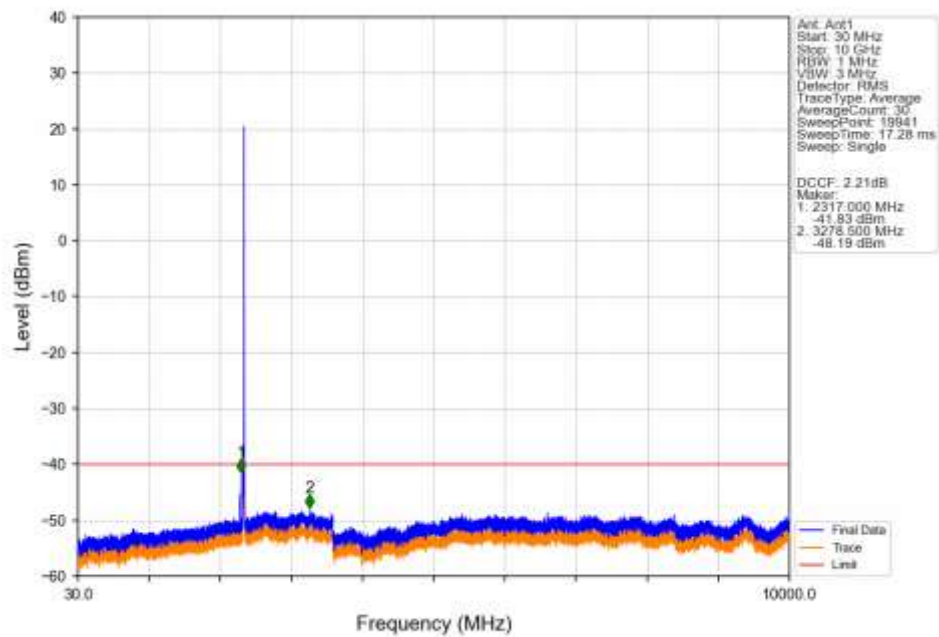
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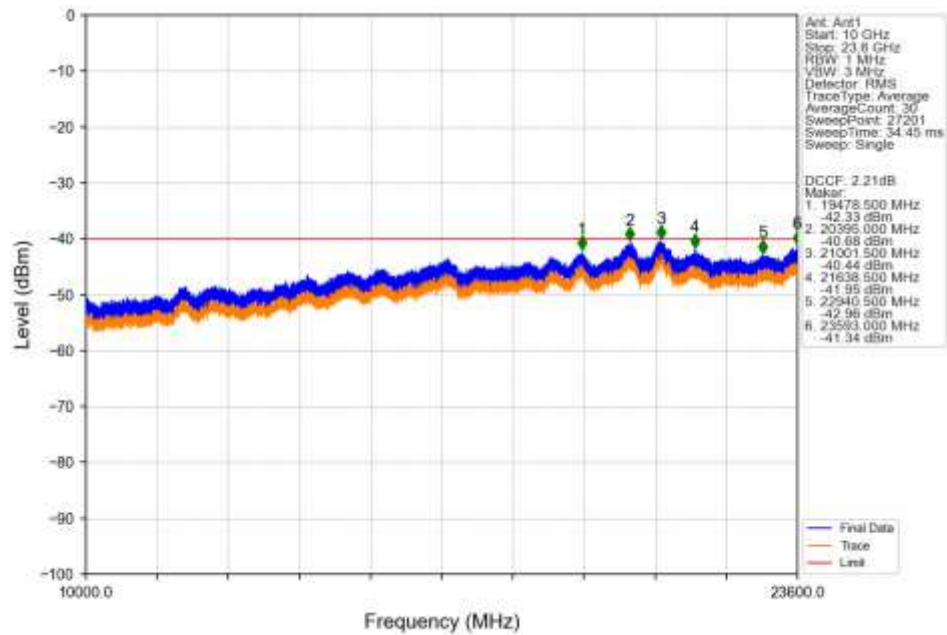
Band40b 5MHz QPSK HCH 2357.5MHz RB 1 0 NTNV



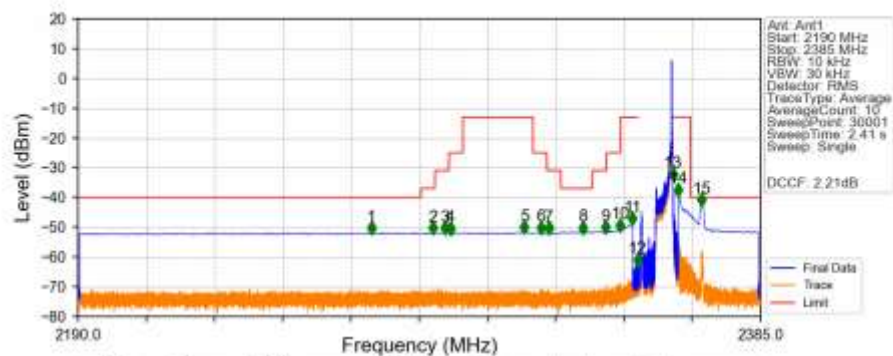
Band40b 5MHz QPSK HCH 2357.5MHz RB 1 0 NTNV



Band40b 5MHz QPSK HCH 2357.5MHz RB 1 0 NTV

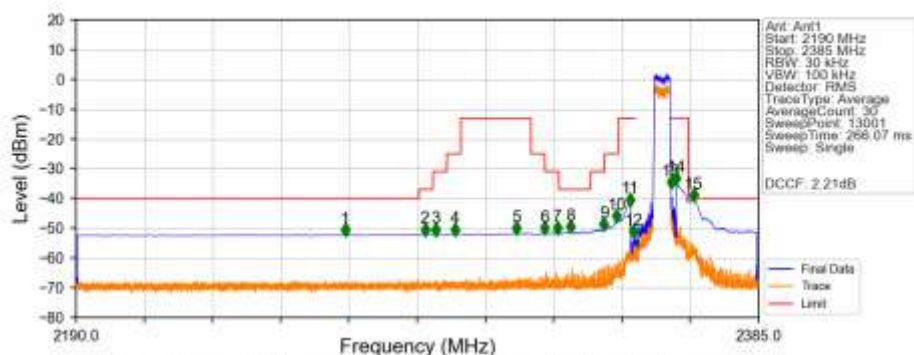


Band40b 5MHz QPSK HCH 2357.5MHz RB 1 24 NTV



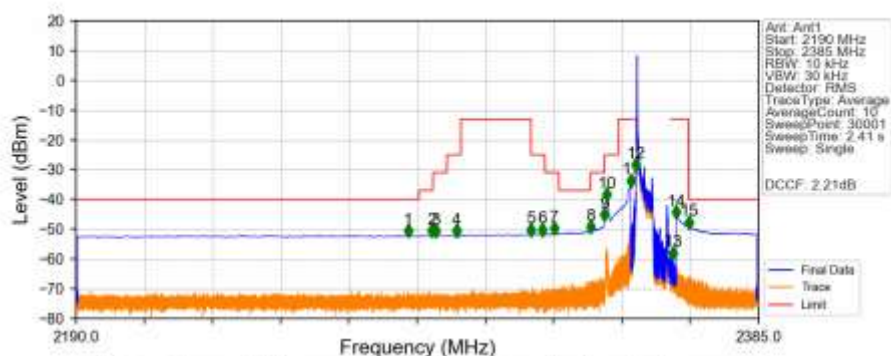
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2273.805	-51.86	-40	Pass
2288	2292	1	CHP	2	2291.504	-51.79	-37	Pass
2292	2296	1	CHP	3	2294.800	-51.85	-31	Pass
2296	2300	1	CHP	4	2296.431	-51.93	-25	Pass
2300	2320	1	CHP	5	2317.569	-51.60	-13	Pass
2320	2324	1	CHP	6	2322.368	-51.68	-25	Pass
2324	2328	1	CHP	7	2324.544	-51.80	-31	Pass
2328	2337	1	CHP	8	2334.229	-51.65	-37	Pass
2337	2341	1	CHP	9	2340.807	-51.48	-31	Pass
2341	2345	1	CHP	10	2344.999	-50.88	-25	Pass
2345	2349	1	CHP	11	2348.457	-48.54	-13	Pass
2349	2350	0.01	/	12	2349.932	-62.53	-13	Pass
2350	2360	0.01	/	/	/	/	/	/
2360	2361	0.01	/	13	2360.014	-33.85	-13	Pass
2361	2365	1	CHP	14	2361.503	-38.92	-13	Pass
2365	2385	1	CHP	15	2368.152	-42.38	-40	Pass

Band40b 5MHz QPSK HCH 2357.5MHz RB 25 0 NTNV



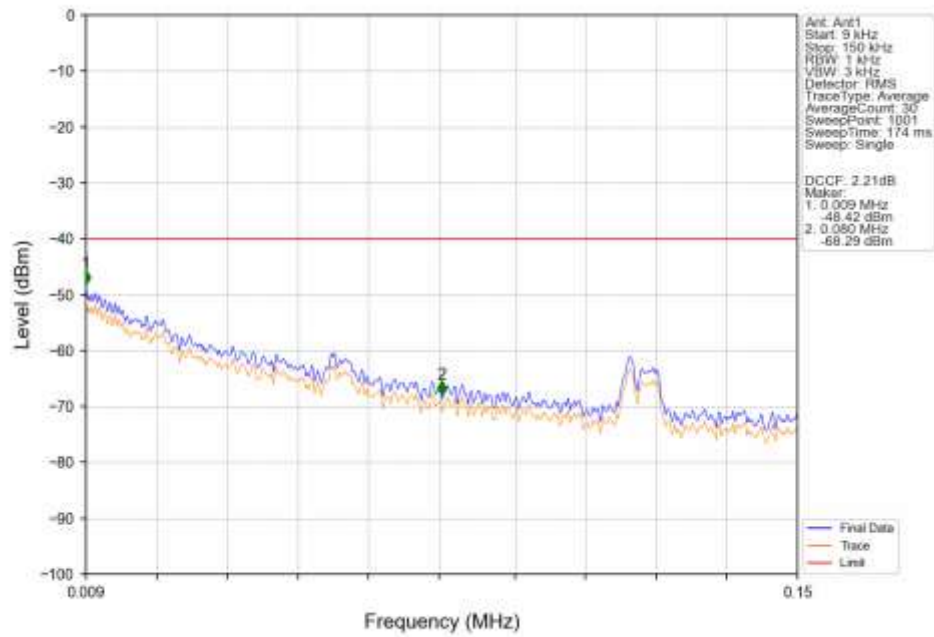
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.875	-52.04	-40	Pass
2288	2292	1	CHP	2	2289.690	-51.95	-37	Pass
2292	2296	1	CHP	3	2292.705	-52.01	-31	Pass
2296	2300	1	CHP	4	2298.255	-51.97	-25	Pass
2300	2320	1	CHP	5	2315.910	-51.63	-13	Pass
2320	2324	1	CHP	6	2323.905	-51.51	-25	Pass
2324	2328	1	CHP	7	2327.655	-51.40	-31	Pass
2328	2337	1	CHP	8	2331.270	-51.01	-37	Pass
2337	2341	1	CHP	9	2340.855	-50.21	-31	Pass
2341	2345	1	CHP	10	2344.530	-47.55	-25	Pass
2345	2349	1	CHP	11	2348.265	-41.94	-13	Pass
2349	2350	0.051	CHP	12	2349.375	-52.65	-13	Pass
2350	2360	0.051	CHP	/	/	/	/	/
2360	2361	0.051	CHP	13	2360.010	-36.06	-13	Pass
2361	2365	1	CHP	14	2361.510	-34.80	-13	Pass
2365	2385	1	CHP	15	2368.475	-40.50	-40	Pass

Band40b 5MHz 16QAM LCH 2352.5MHz RB 1 0 NTNV

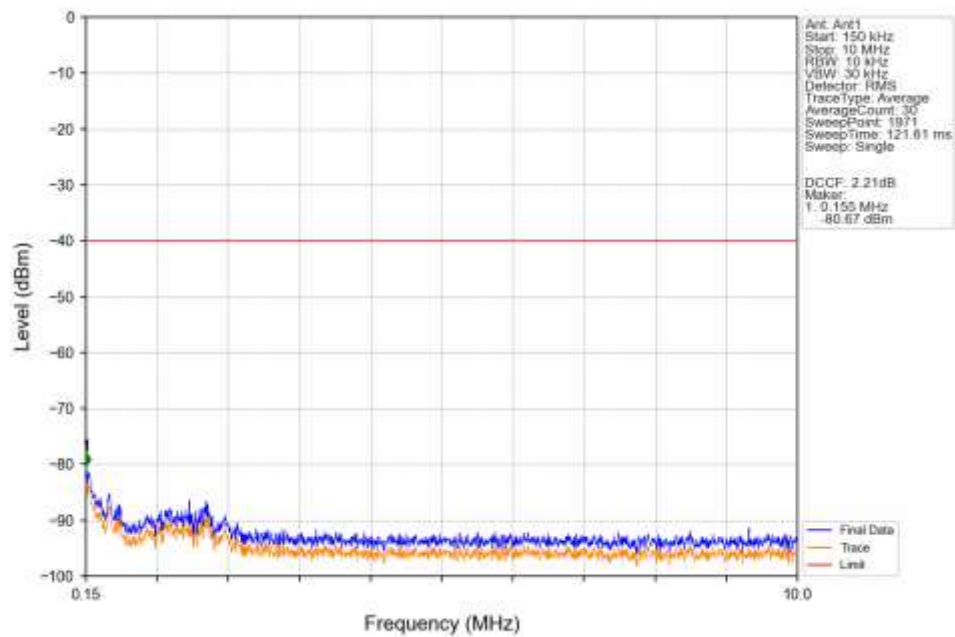


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2284.894	-52.05	-40	Pass
2288	2292	1	CHP	2	2291.660	-52.16	-37	Pass
2292	2296	1	CHP	3	2292.882	-52.05	-31	Pass
2296	2300	1	CHP	4	2298.686	-52.03	-25	Pass
2300	2320	1	CHP	5	2319.896	-51.72	-13	Pass
2320	2324	1	CHP	6	2323.178	-51.64	-25	Pass
2324	2328	1	CHP	7	2326.604	-51.35	-31	Pass
2328	2337	1	CHP	8	2336.985	-50.71	-37	Pass
2337	2341	1	CHP	9	2340.995	-46.60	-31	Pass
2341	2345	1	CHP	10	2341.671	-39.91	-25	Pass
2345	2349	1	CHP	11	2348.496	-35.19	-13	Pass
2349	2350	0.01	/	12	2349.997	-29.92	-13	Pass
2350	2360	0.01	/	/	/	/	/	/
2360	2361	0.01	/	13	2360.560	-59.51	-13	Pass
2361	2365	1	CHP	14	2361.522	-45.87	-13	Pass
2365	2385	1	CHP	15	2365.253	-49.29	-40	Pass

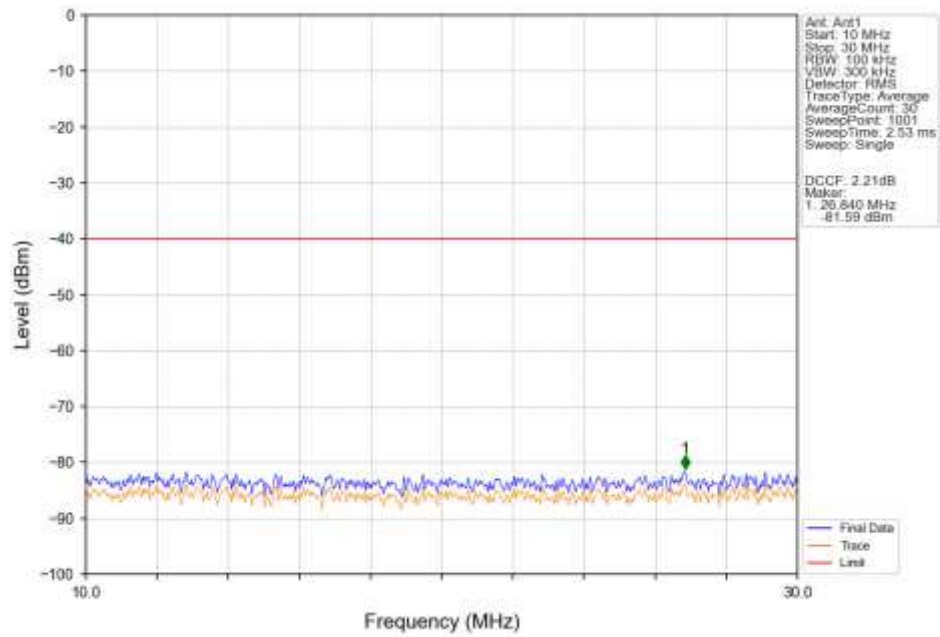
Band40b 5MHz 16QAM LCH 2352.5MHz RB 1 0 NTNV



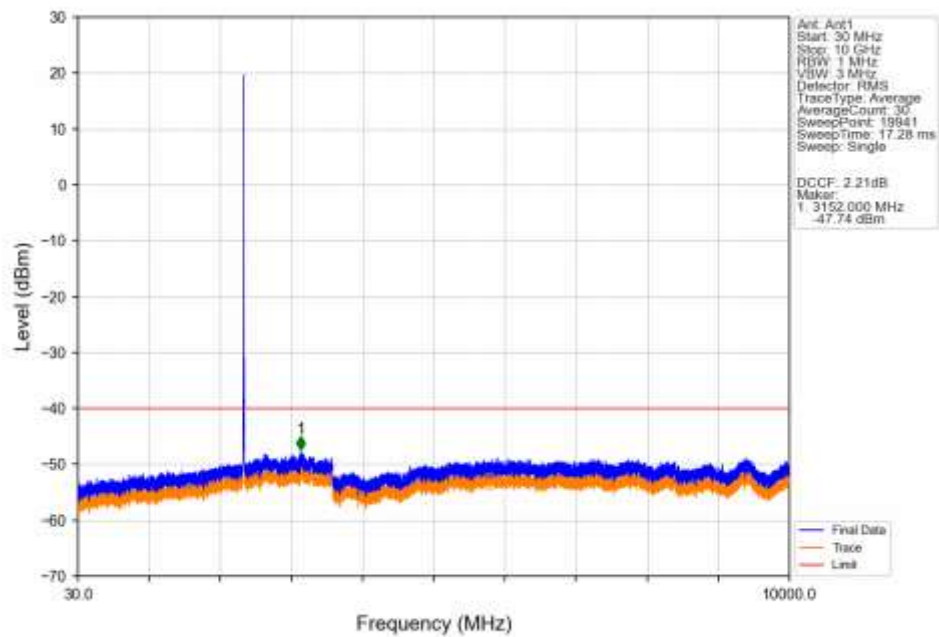
Band40b 5MHz 16QAM LCH 2352.5MHz RB 1 0 NTNV



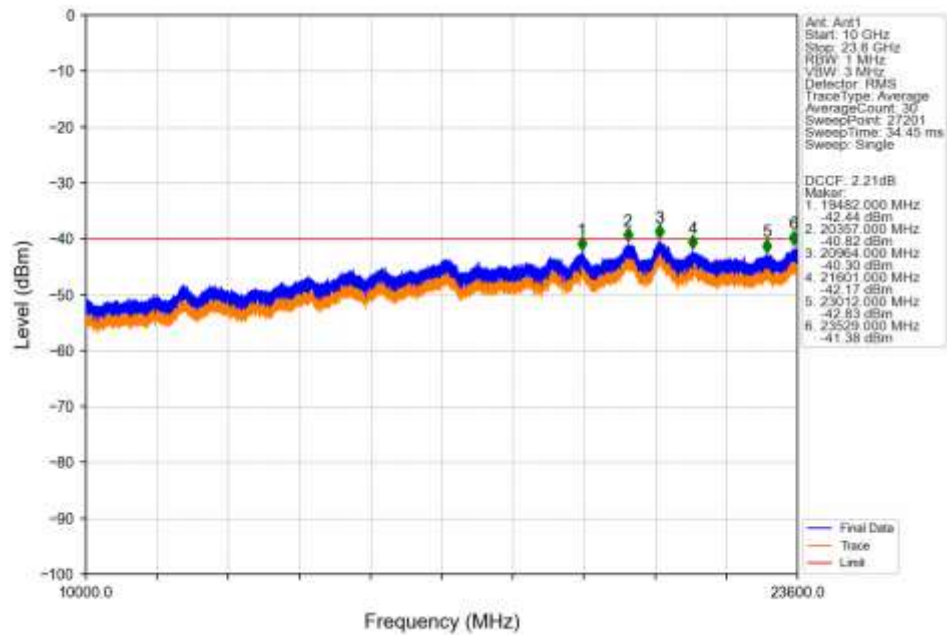
Band40b 5MHz 16QAM LCH 2352.5MHz RB 1 0 NTNV



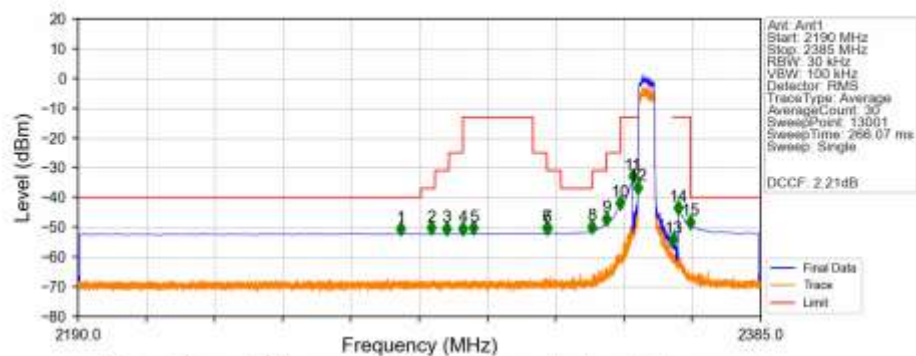
Band40b 5MHz 16QAM LCH 2352.5MHz RB 1 0 NTNV



Band40b 5MHz 16QAM LCH 2352.5MHz RB 1 0 NTNV

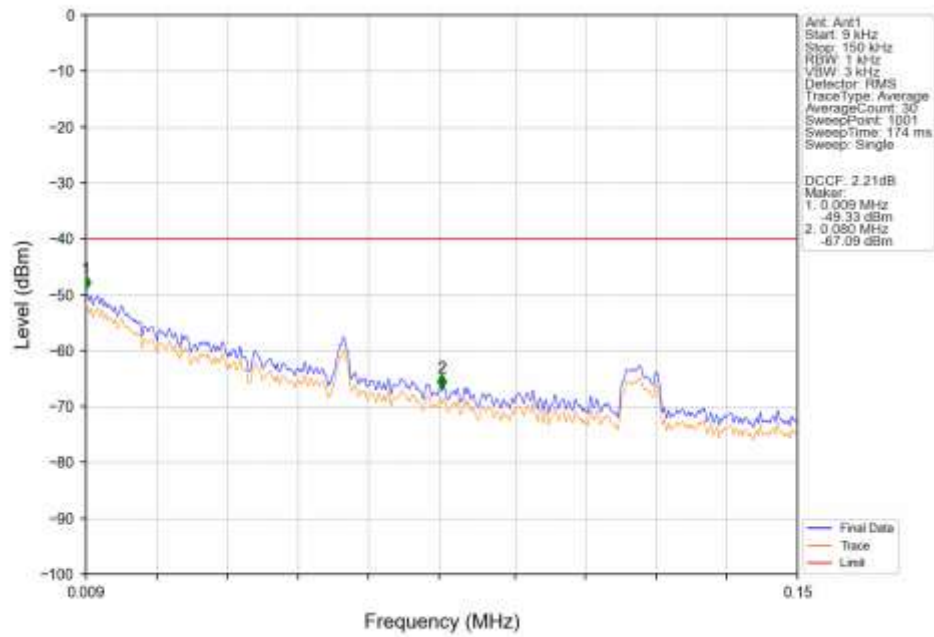


Band40b 5MHz 16QAM LCH 2352.5MHz RB 25 0 NTNV

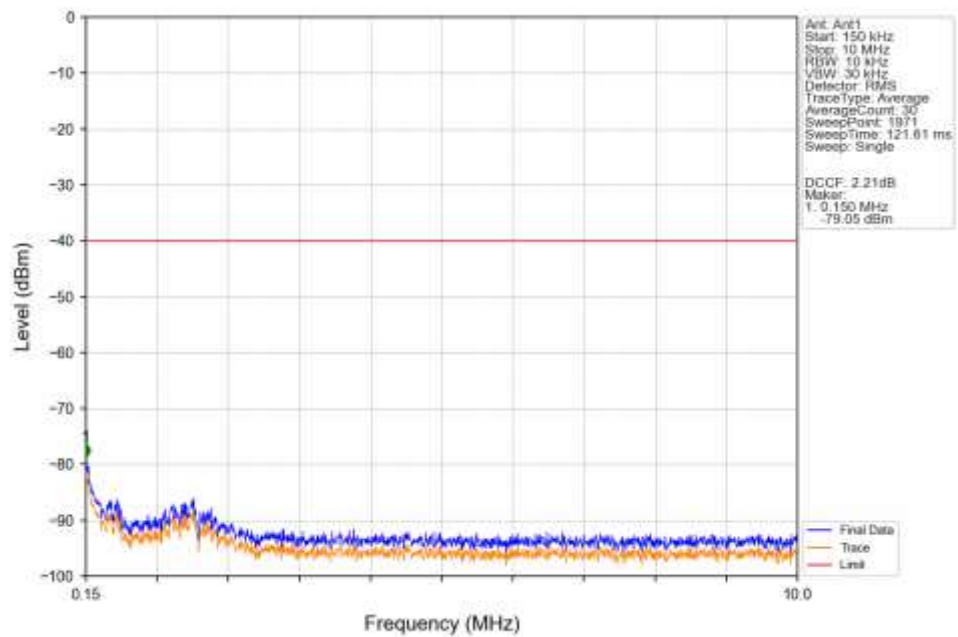


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2282.310	-52.06	-40	Pass
2288	2292	1	CHP	2	2290.995	-51.90	-37	Pass
2292	2296	1	CHP	3	2295.375	-51.99	-31	Pass
2296	2300	1	CHP	4	2299.965	-52.00	-25	Pass
2300	2320	1	CHP	5	2303.040	-51.85	-13	Pass
2320	2324	1	CHP	6	2323.995	-51.90	-25	Pass
2324	2328	1	CHP	7	2324.190	-51.81	-31	Pass
2328	2337	1	CHP	8	2336.910	-51.40	-37	Pass
2337	2341	1	CHP	9	2340.990	-48.70	-31	Pass
2341	2345	1	CHP	10	2344.995	-43.49	-25	Pass
2345	2349	1	CHP	11	2348.475	-34.47	-13	Pass
2349	2350	0.051	CHP	12	2349.990	-38.12	-13	Pass
2350	2360	0.051	CHP	/	/	/	/	/
2360	2361	0.051	CHP	13	2360.205	-55.54	-13	Pass
2361	2365	1	CHP	14	2361.510	-44.99	-13	Pass
2365	2385	1	CHP	15	2365.050	-49.77	-40	Pass

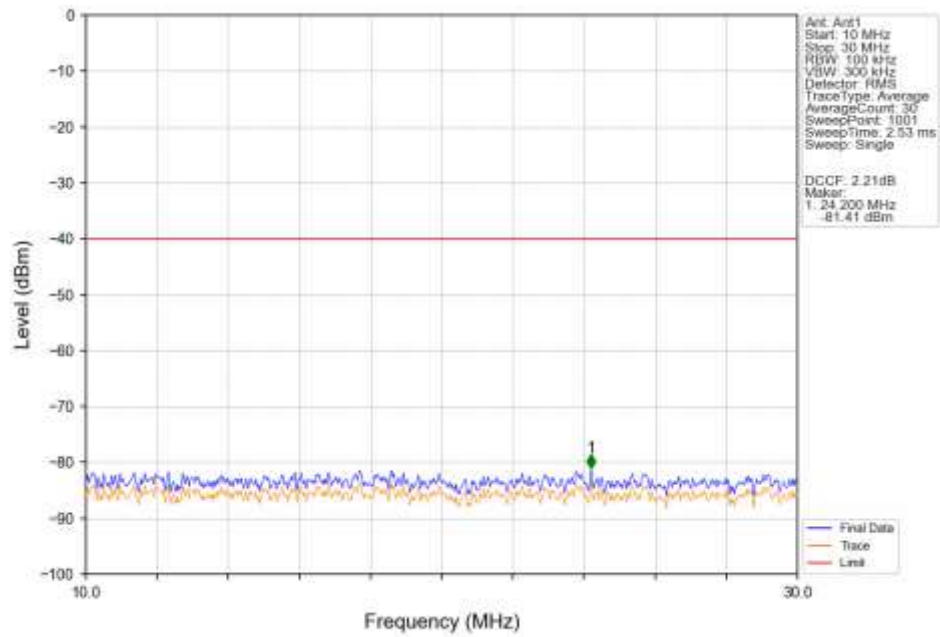
Band40b 5MHz 16QAM MCH 2355MHz RB 1 0 NTNV



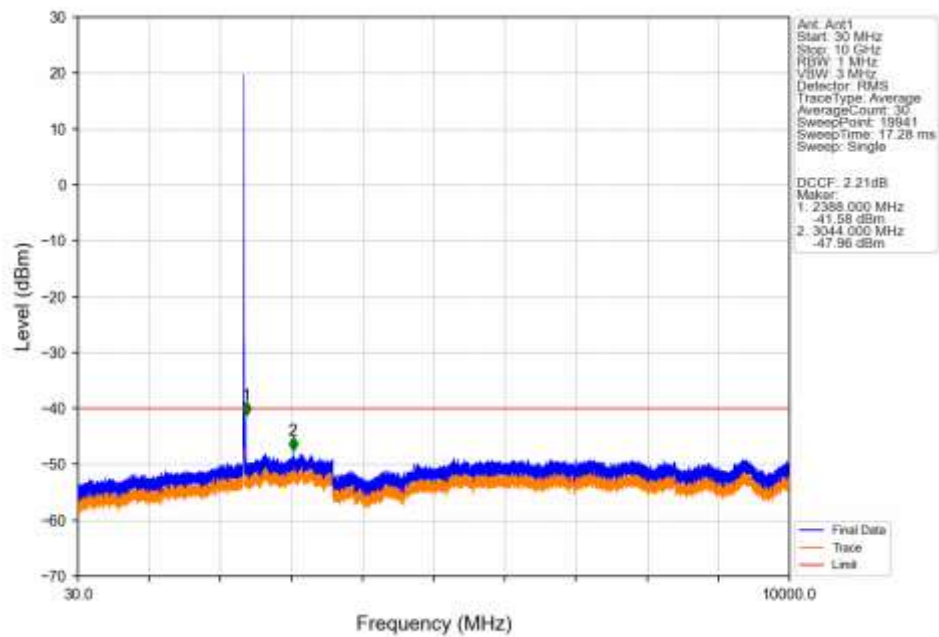
Band40b 5MHz 16QAM MCH 2355MHz RB 1 0 NTNV



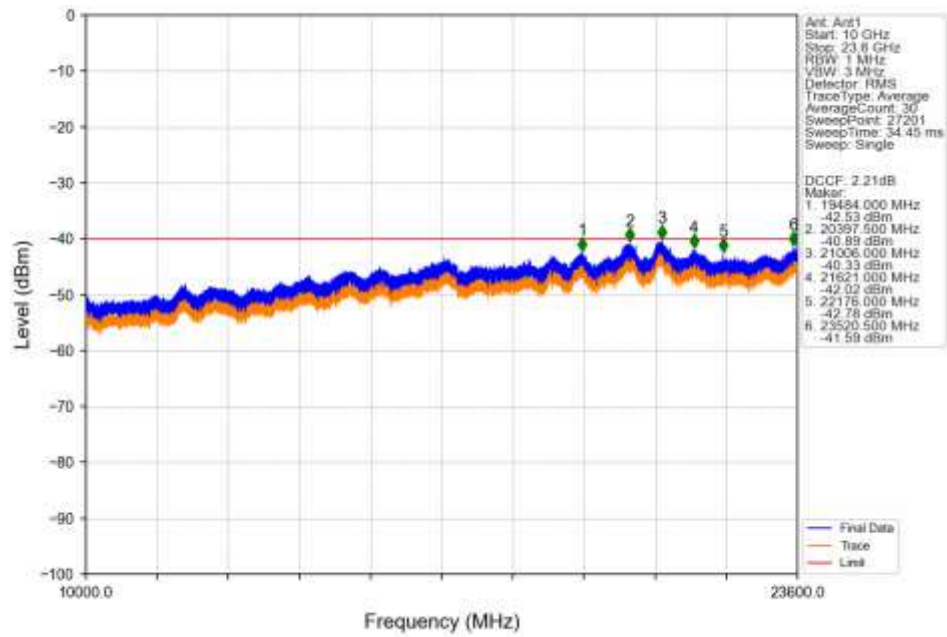
Band40b 5MHz 16QAM MCH 2355MHz RB 1 0 NTNV



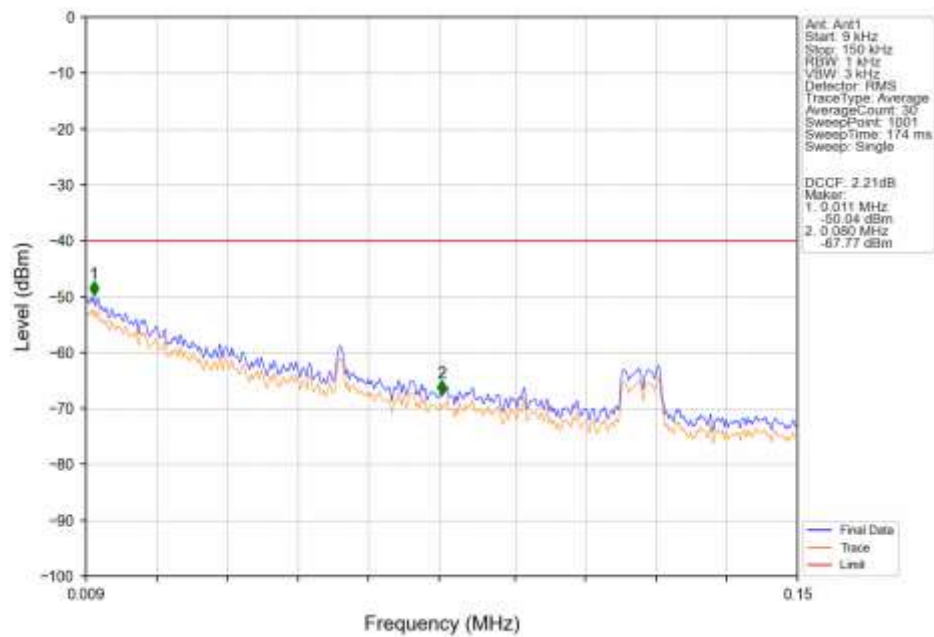
Band40b 5MHz 16QAM MCH 2355MHz RB 1 0 NTNV



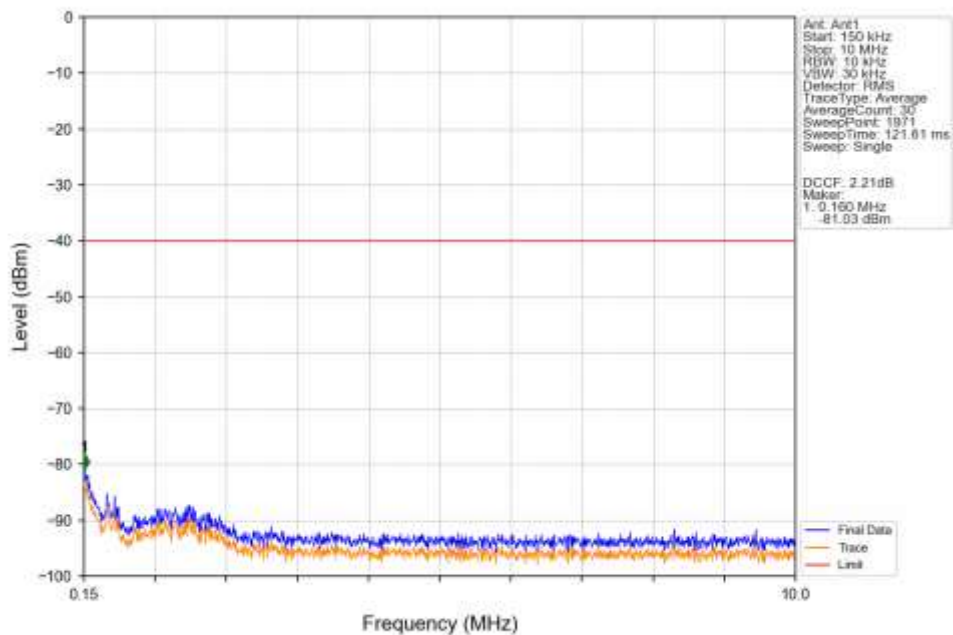
Band40b 5MHz 16QAM MCH 2355MHz RB 1 0 NTV



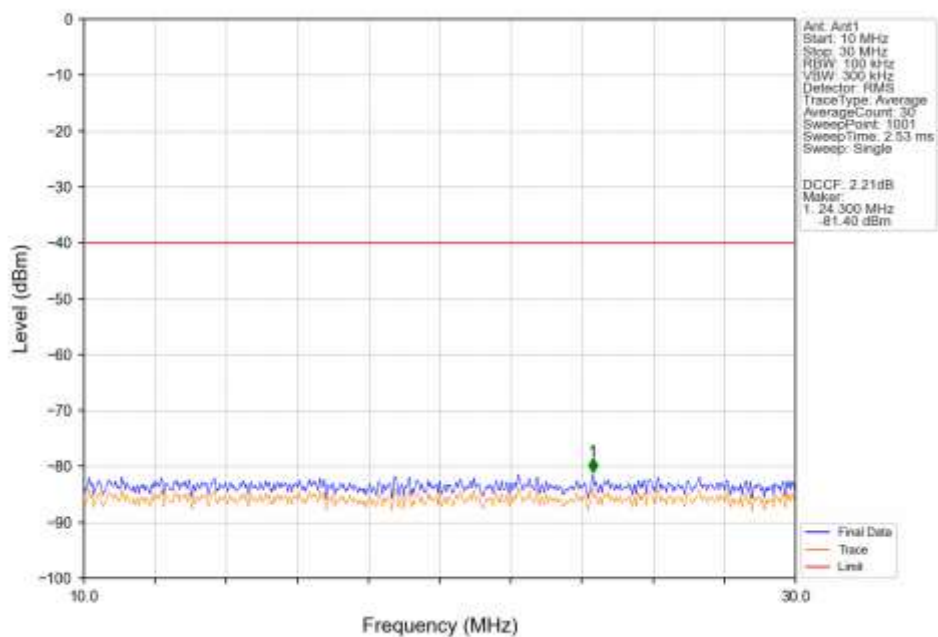
Band40b 5MHz 16QAM HCH 2357.5MHz RB 1 0 NTV



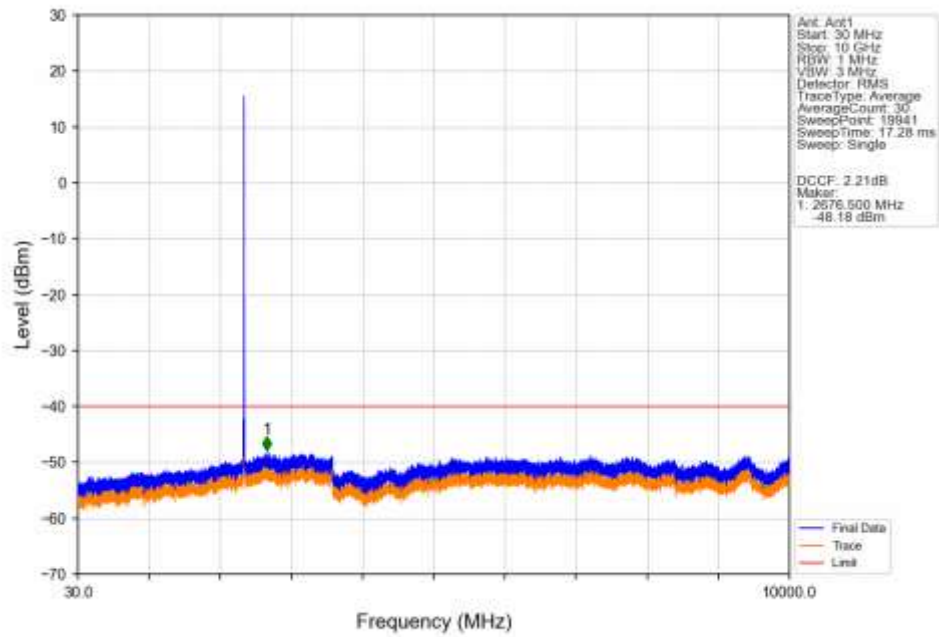
Band40b 5MHz 16QAM HCH 2357.5MHz RB 1 0 NTNV



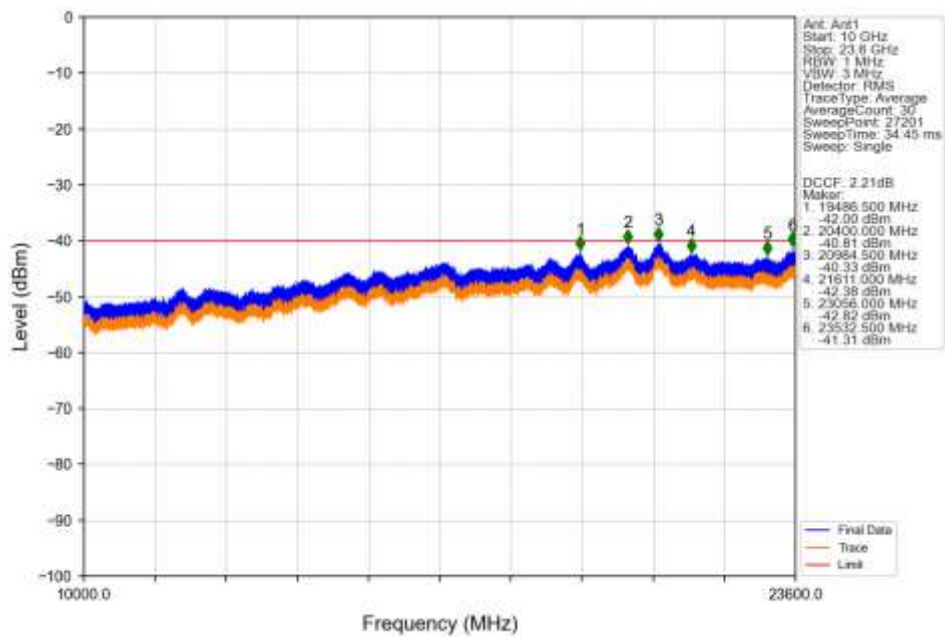
Band40b 5MHz 16QAM HCH 2357.5MHz RB 1 0 NTNV



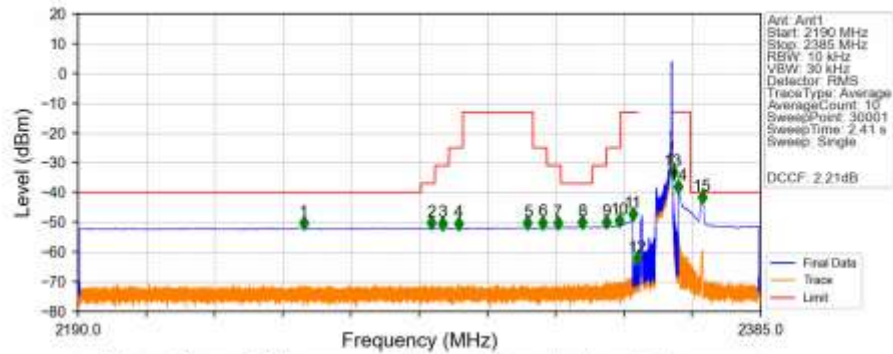
Band40b 5MHz 16QAM HCH 2357.5MHz RB 1 0 NTNV



Band40b 5MHz 16QAM HCH 2357.5MHz RB 1 0 NTNV

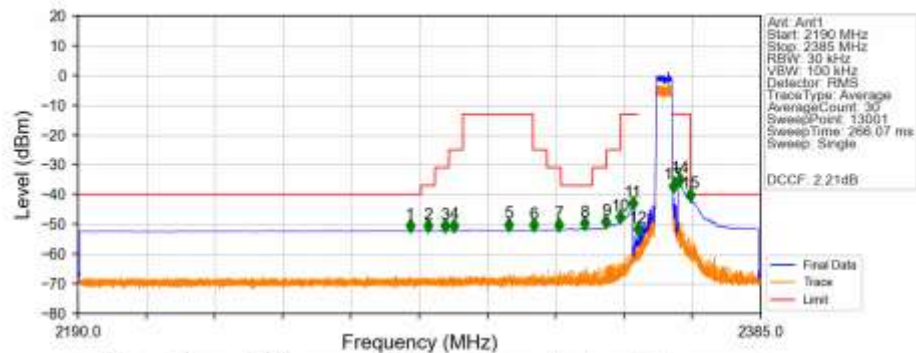


Band40b 5MHz 16QAM HCH 2357.5MHz RB 1 24 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2284.499	-51.84	-40	Pass
2288	2292	1	CHP	2	2290.997	-51.85	-37	Pass
2292	2296	1	CHP	3	2294.293	-51.93	-31	Pass
2296	2300	1	CHP	4	2298.713	-51.92	-25	Pass
2300	2320	1	CHP	5	2318.485	-51.78	-13	Pass
2320	2324	1	CHP	6	2322.756	-51.64	-25	Pass
2324	2328	1	CHP	7	2327.209	-51.77	-31	Pass
2328	2337	1	CHP	8	2334.131	-51.60	-37	Pass
2337	2341	1	CHP	9	2340.923	-51.52	-31	Pass
2341	2345	1	CHP	10	2344.655	-50.97	-25	Pass
2345	2349	1	CHP	11	2348.477	-48.91	-13	Pass
2349	2350	0.01	/	12	2349.783	-63.82	-13	Pass
2350	2360	0.01	/	/	/	/	/	/
2360	2361	0.01	/	13	2360.001	-34.72	-13	Pass
2361	2365	1	CHP	14	2361.509	-39.69	-13	Pass
2365	2385	1	CHP	15	2368.321	-43.11	-40	Pass

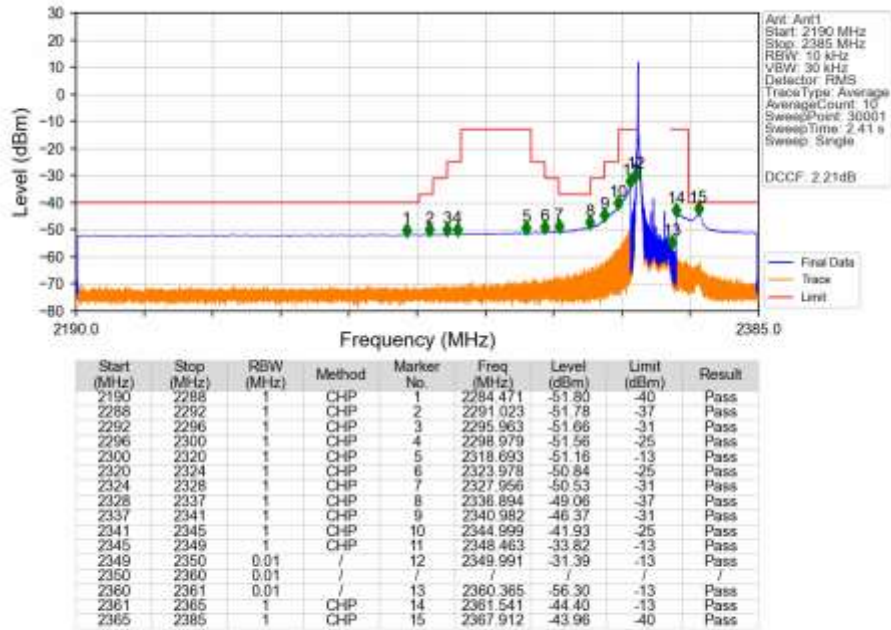
Band40b 5MHz 16QAM HCH 2357.5MHz RB 25 0 NTNV



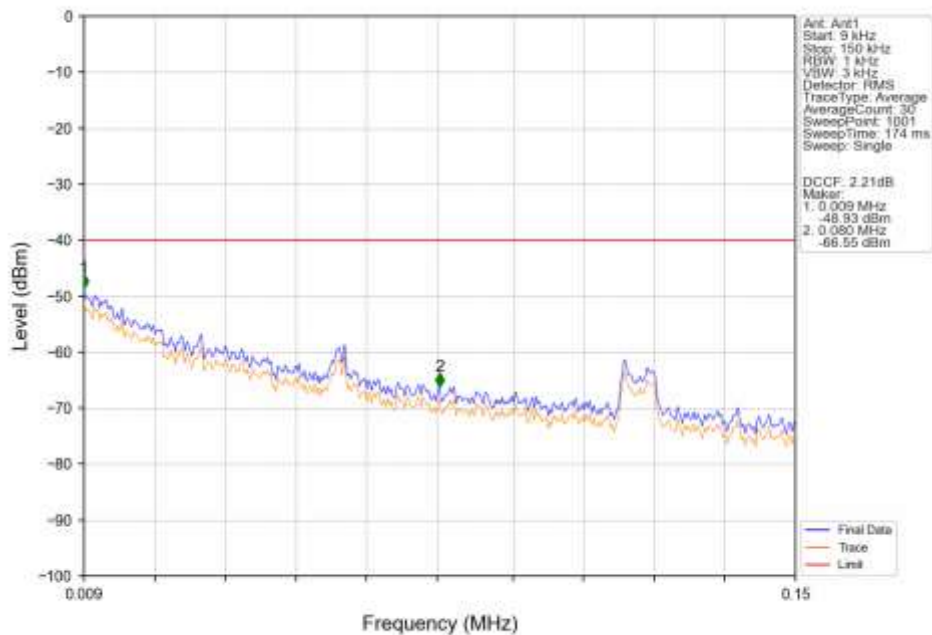
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2284.905	-52.02	-40	Pass
2288	2292	1	CHP	2	2289.975	-52.03	-37	Pass
2292	2296	1	CHP	3	2294.880	-52.07	-31	Pass
2296	2300	1	CHP	4	2297.490	-51.95	-25	Pass
2300	2320	1	CHP	5	2313.135	-51.66	-13	Pass
2320	2324	1	CHP	6	2320.155	-51.78	-25	Pass
2324	2328	1	CHP	7	2327.490	-51.68	-31	Pass
2328	2337	1	CHP	8	2334.810	-51.28	-37	Pass
2337	2341	1	CHP	9	2340.855	-50.71	-31	Pass
2341	2345	1	CHP	10	2344.995	-49.14	-25	Pass
2345	2349	1	CHP	11	2348.490	-44.48	-13	Pass
2349	2350	0.051	CHP	12	2349.960	-53.11	-13	Pass
2350	2360	0.051	CHP	/	/	/	/	/
2360	2361	0.051	CHP	13	2360.010	-38.67	-13	Pass
2361	2365	1	CHP	14	2361.930	-36.52	-13	Pass
2365	2385	1	CHP	15	2365.005	-41.67	-40	Pass

6.2.2 B40b_10MHz

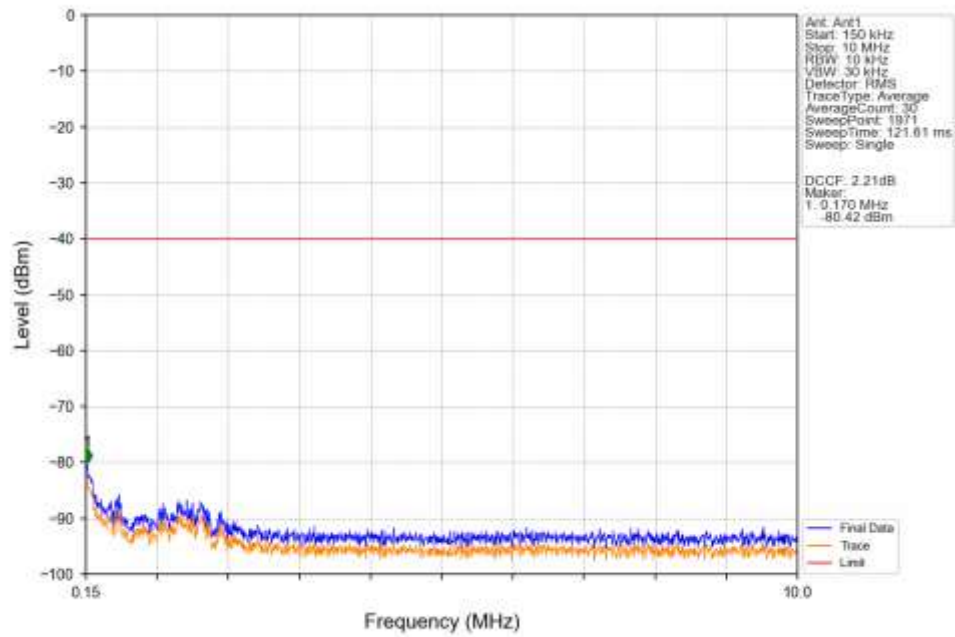
Band40b_10MHz_QPSK_LCH_2355MHz_RB_1_0_NTNV



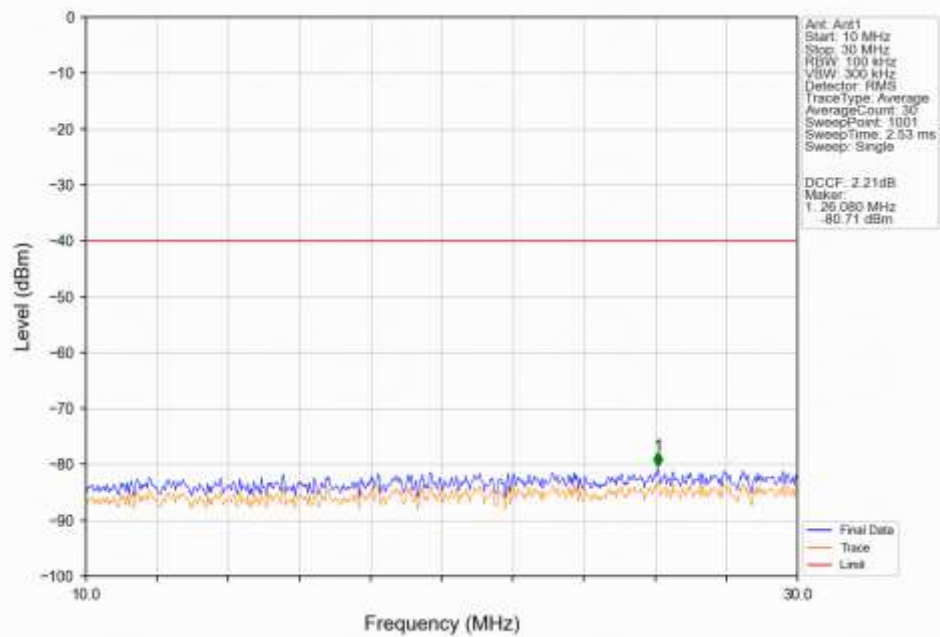
Band40b_10MHz_QPSK_LCH_2355MHz_RB_1_0_NTNV



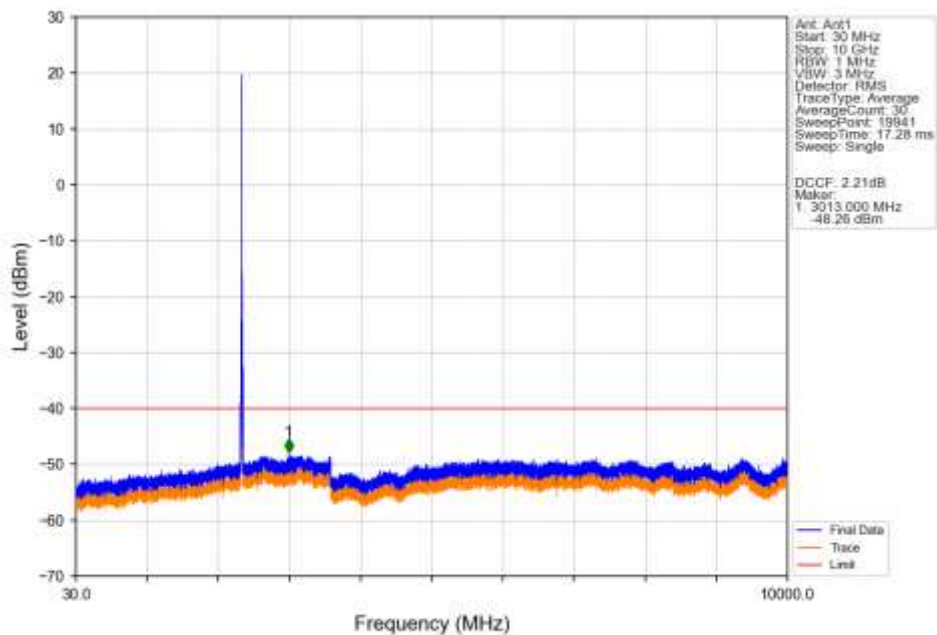
Band40b 10MHz QPSK LCH 2355MHz RB 1 0 NTNV



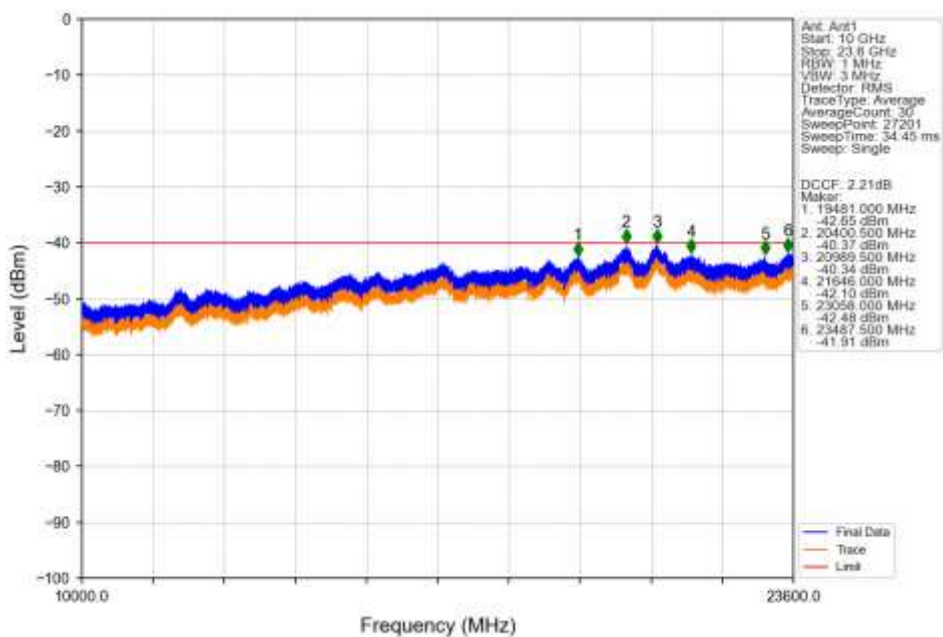
Band40b 10MHz QPSK LCH 2355MHz RB 1 0 NTNV



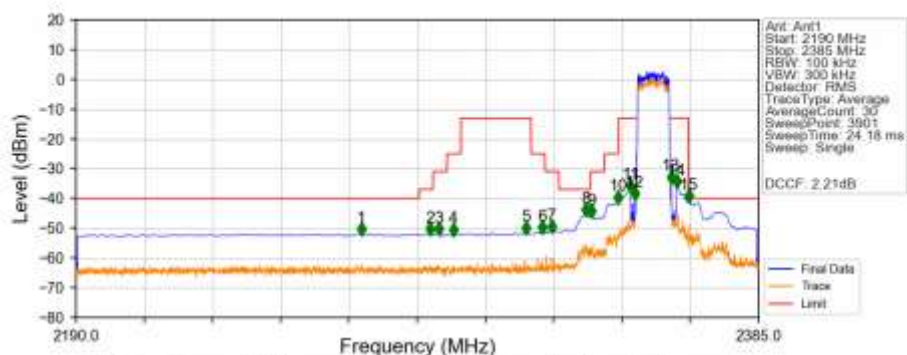
Band40b 10MHz QPSK LCH 2355MHz RB 1 0 NTV



Band40b 10MHz QPSK LCH 2355MHz RB 1 0 NTV

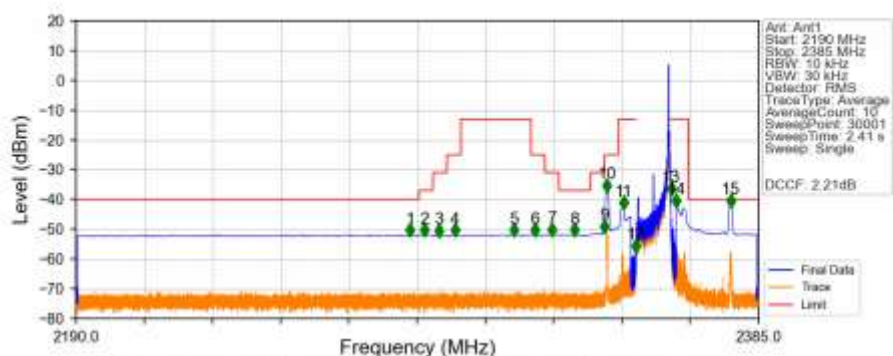


Band40b 10MHz QPSK LCH 2355MHz RB 50 0 NTNV



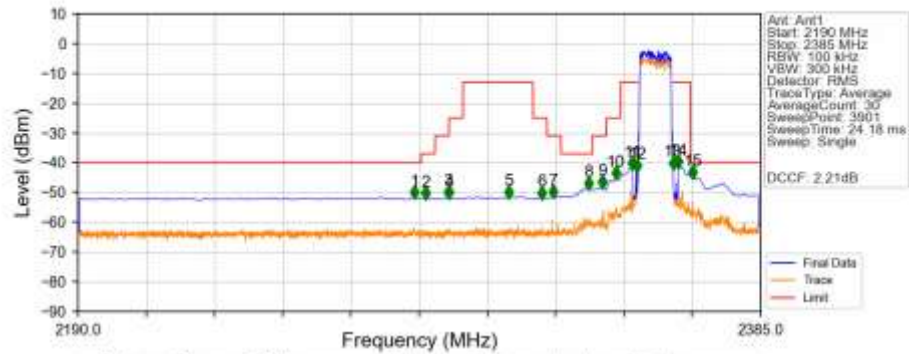
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2271.550	-51.78	-40	Pass
2288	2292	1	CHP	2	2291.300	-51.90	-37	Pass
2292	2296	1	CHP	3	2293.850	-51.75	-31	Pass
2296	2300	1	CHP	4	2297.850	-51.91	-25	Pass
2300	2320	1	CHP	5	2318.550	-51.46	-13	Pass
2320	2324	1	CHP	6	2323.150	-51.23	-25	Pass
2324	2328	1	CHP	7	2326.000	-50.95	-31	Pass
2328	2337	1	CHP	8	2335.650	-45.35	-37	Pass
2337	2341	1	CHP	9	2337.350	-45.85	-31	Pass
2341	2345	1	CHP	10	2345.000	-41.12	-25	Pass
2345	2349	1	CHP	11	2348.450	-37.16	-13	Pass
2349	2350	0.1	/	12	2349.700	-39.94	-13	Pass
2350	2360	0.1	/	/	/	/	/	/
2360	2361	0.1	/	13	2360.050	-34.39	-13	Pass
2361	2365	1	CHP	14	2361.650	-35.91	-13	Pass
2365	2385	1	CHP	15	2365.100	-40.70	-40	Pass

Band40b 10MHz QPSK HCH 2355MHz RB 1 49 NTNV



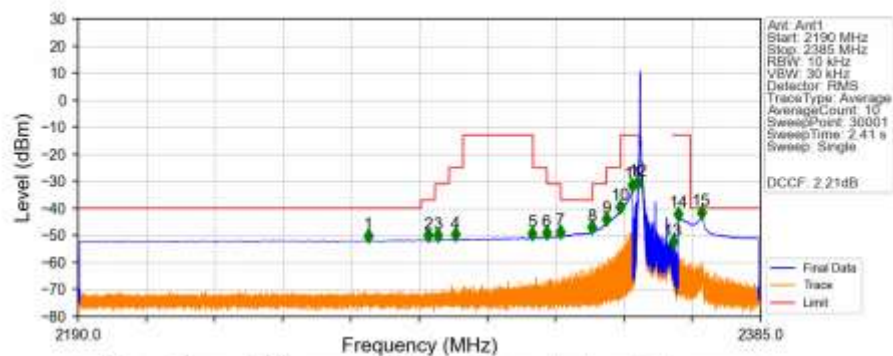
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2285.459	-51.84	-40	Pass
2288	2292	1	CHP	2	2289.567	-51.87	-37	Pass
2292	2296	1	CHP	3	2293.617	-51.95	-31	Pass
2296	2300	1	CHP	4	2298.284	-51.75	-25	Pass
2300	2320	1	CHP	5	2315.177	-51.81	-13	Pass
2320	2324	1	CHP	6	2321.164	-51.81	-25	Pass
2324	2328	1	CHP	7	2326.104	-51.69	-31	Pass
2328	2337	1	CHP	8	2332.421	-51.78	-37	Pass
2337	2341	1	CHP	9	2340.995	-50.65	-31	Pass
2341	2345	1	CHP	10	2341.723	-36.73	-25	Pass
2345	2349	1	CHP	11	2346.468	-42.68	-13	Pass
2349	2350	0.01	/	12	2349.997	-57.13	-13	Pass
2350	2360	0.01	/	/	/	/	/	/
2360	2361	0.01	/	13	2360.001	-37.86	-13	Pass
2361	2365	1	CHP	14	2361.503	-41.96	-13	Pass
2365	2385	1	CHP	15	2377.064	-41.97	-40	Pass

Band40b 10MHz QPSK HCH 2355MHz RB 50 0 NTNV



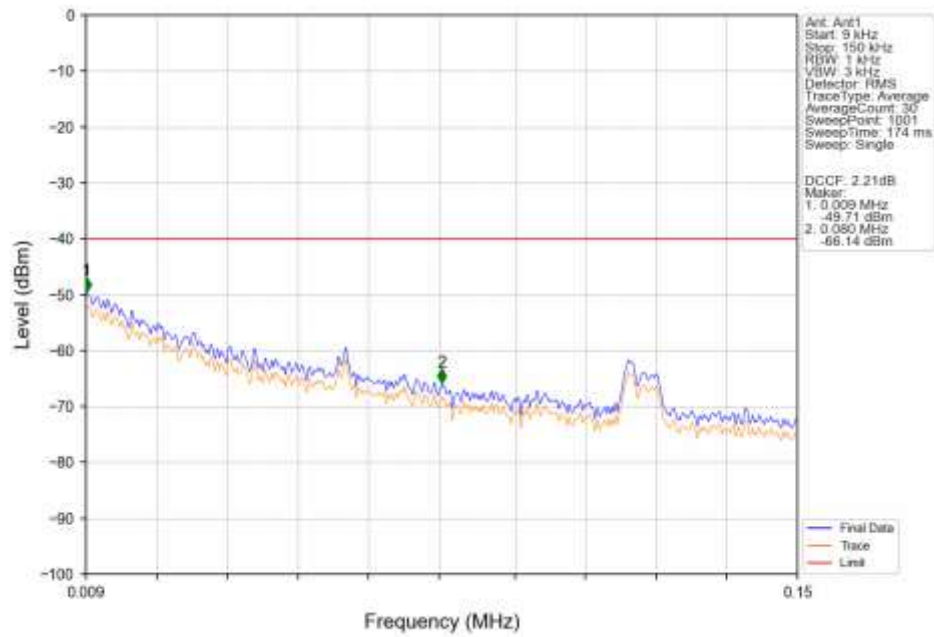
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2286.200	-51.50	-40	Pass
2288	2292	1	CHP	2	2289.450	-51.81	-37	Pass
2292	2296	1	CHP	3	2295.900	-51.42	-31	Pass
2296	2300	1	CHP	4	2296.050	-51.53	-25	Pass
2300	2320	1	CHP	5	2313.100	-51.42	-13	Pass
2320	2324	1	CHP	6	2322.450	-51.68	-25	Pass
2324	2328	1	CHP	7	2325.850	-51.19	-31	Pass
2328	2337	1	CHP	8	2335.800	-48.36	-37	Pass
2337	2341	1	CHP	9	2339.750	-47.96	-31	Pass
2341	2345	1	CHP	10	2343.650	-45.02	-25	Pass
2345	2349	1	CHP	11	2348.400	-41.75	-13	Pass
2349	2350	0.1	/	12	2349.800	-42.42	-13	Pass
2350	2360	0.1	/	/	/	/	/	/
2360	2361	0.1	/	13	2360.050	-41.63	-13	Pass
2361	2365	1	CHP	14	2361.600	-41.26	-13	Pass
2365	2385	1	CHP	15	2365.700	-44.82	-40	Pass

Band40b 10MHz 16QAM LCH 2355MHz RB 1 0 NTNV

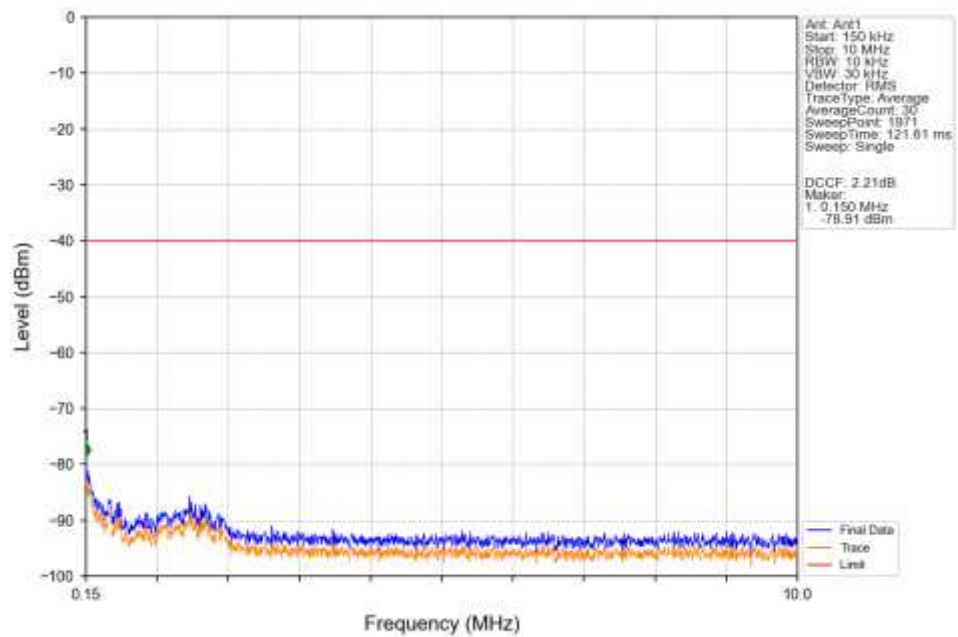


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2272.972	-51.80	-40	Pass
2288	2292	1	CHP	2	2290.055	-51.74	-37	Pass
2292	2296	1	CHP	3	2292.713	-51.63	-31	Pass
2296	2300	1	CHP	4	2297.874	-51.42	-25	Pass
2300	2320	1	CHP	5	2319.733	-50.89	-13	Pass
2320	2324	1	CHP	6	2323.809	-50.75	-25	Pass
2324	2328	1	CHP	7	2327.839	-50.34	-31	Pass
2328	2337	1	CHP	8	2338.764	-48.66	-37	Pass
2337	2341	1	CHP	9	2340.969	-45.64	-31	Pass
2341	2345	1	CHP	10	2344.973	-41.16	-25	Pass
2345	2349	1	CHP	11	2348.463	-33.03	-13	Pass
2349	2350	0.01	/	12	2349.978	-32.14	-13	Pass
2350	2360	0.01	/	/	/	/	/	/
2360	2361	0.01	/	13	2360.053	-54.04	-13	Pass
2361	2365	1	CHP	14	2361.503	-43.78	-13	Pass
2365	2385	1	CHP	15	2368.061	-43.19	-40	Pass

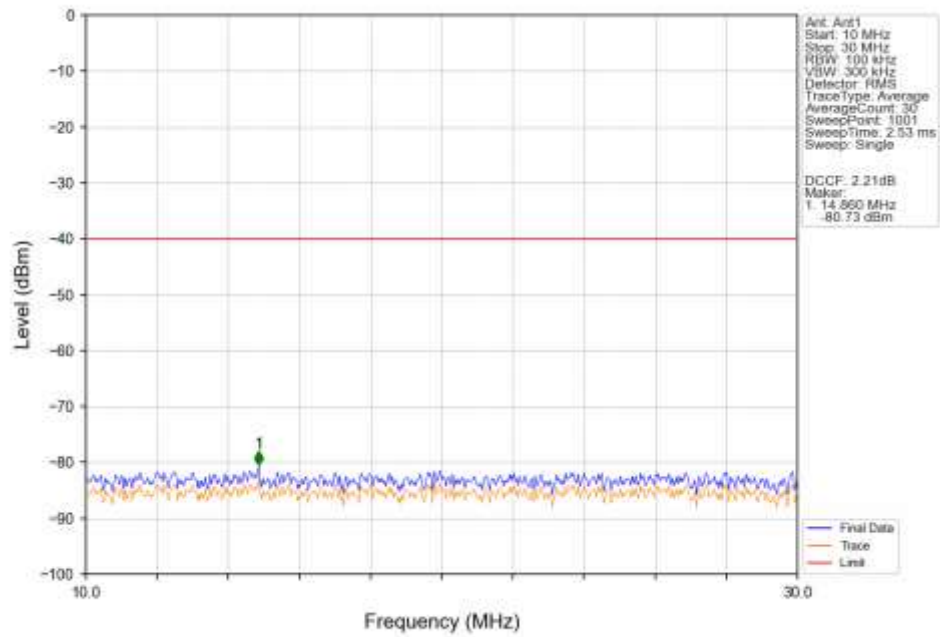
Band40b 10MHz 16QAM LCH 2355MHz RB 1 0 NTNV



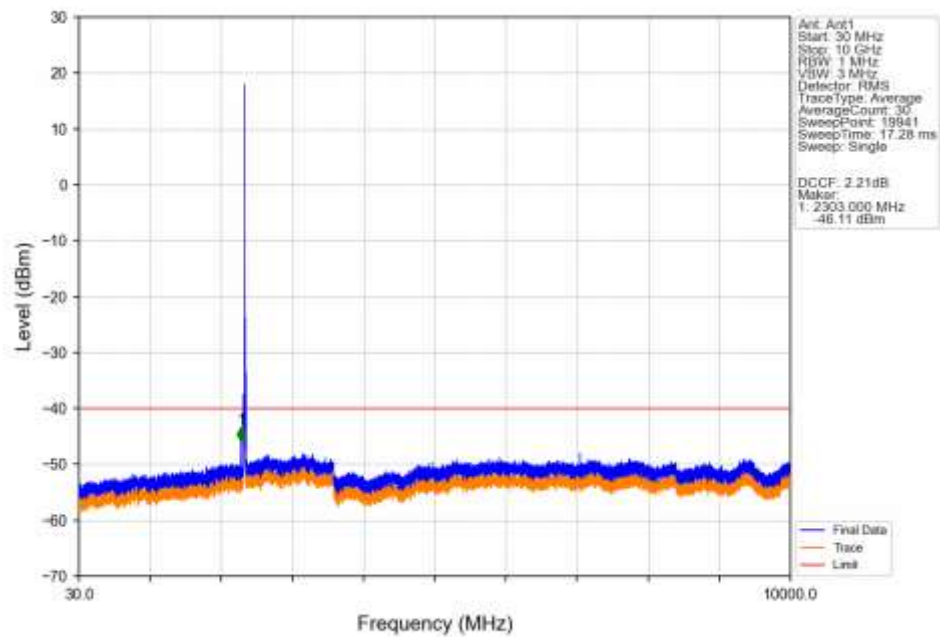
Band40b 10MHz 16QAM LCH 2355MHz RB 1 0 NTNV



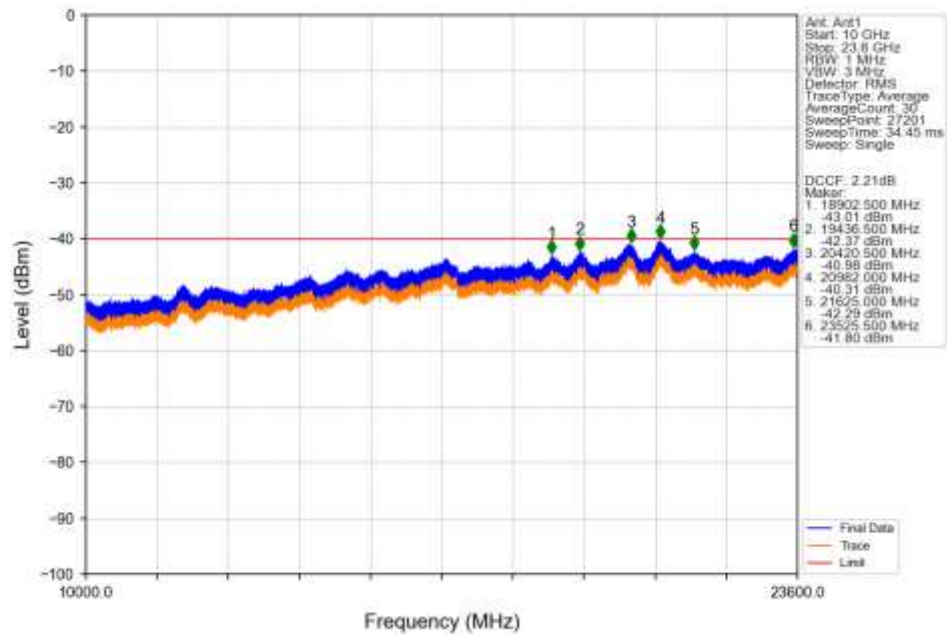
Band40b 10MHz 16QAM LCH 2355MHz RB 1 0 NTNV



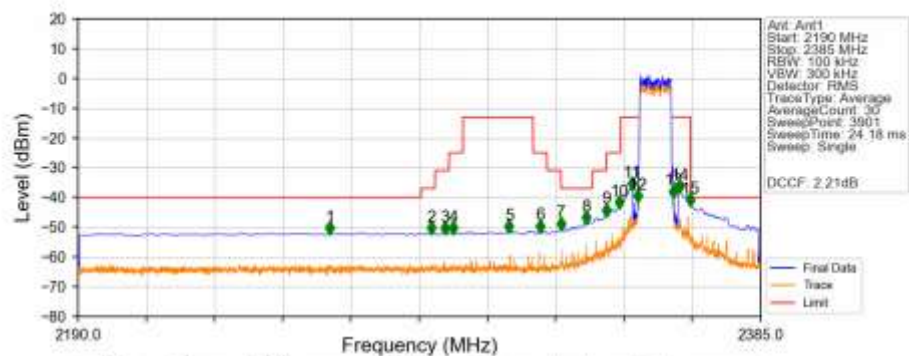
Band40b 10MHz 16QAM LCH 2355MHz RB 1 0 NTNV



Band40b 10MHz 16QAM LCH 2355MHz RB 1 0 NTNV

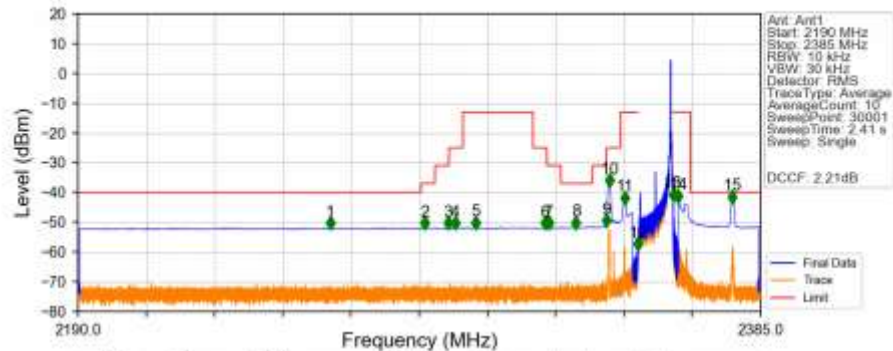


Band40b 10MHz 16QAM LCH 2355MHz RB 50 0 NTNV



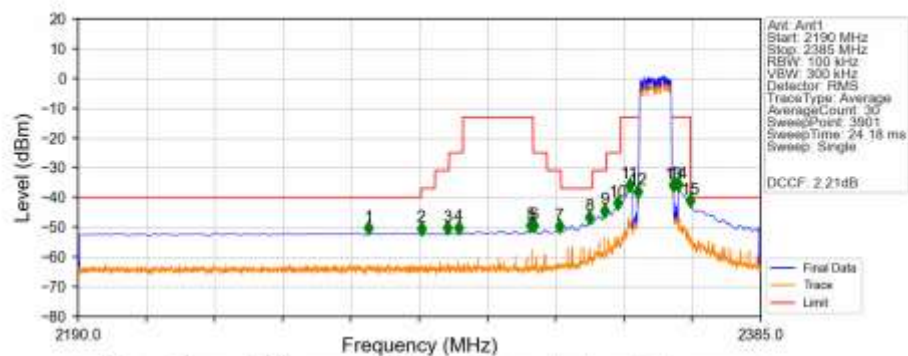
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2261.950	-51.80	-40	Pass
2288	2292	1	CHP	2	2291.050	-51.75	-37	Pass
2292	2296	1	CHP	3	2294.800	-51.81	-31	Pass
2296	2300	1	CHP	4	2297.250	-51.88	-25	Pass
2300	2320	1	CHP	5	2313.200	-51.25	-13	Pass
2320	2324	1	CHP	6	2322.150	-51.18	-25	Pass
2324	2328	1	CHP	7	2328.000	-50.35	-31	Pass
2328	2337	1	CHP	8	2335.300	-48.34	-37	Pass
2337	2341	1	CHP	9	2341.000	-45.71	-31	Pass
2341	2345	1	CHP	10	2344.650	-43.19	-25	Pass
2345	2349	1	CHP	11	2348.250	-36.95	-13	Pass
2349	2350	0.1	/	12	2349.950	-40.95	-13	Pass
2350	2360	0.1	/	/	/	/	/	/
2360	2361	0.1	/	13	2360.100	-39.45	-13	Pass
2361	2365	1	CHP	14	2361.950	-37.71	-13	Pass
2365	2385	1	CHP	15	2365.050	-42.39	-40	Pass

Band40b 10MHz 16QAM HCH 2355MHz RB 1 49 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2282.137	-51.89	-40	Pass
2288	2292	1	CHP	2	2289.093	-51.88	-37	Pass
2292	2296	1	CHP	3	2295.878	-51.81	-31	Pass
2296	2300	1	CHP	4	2297.764	-51.78	-25	Pass
2300	2320	1	CHP	5	2303.523	-51.66	-13	Pass
2320	2324	1	CHP	6	2323.439	-51.83	-25	Pass
2324	2328	1	CHP	7	2324.648	-51.80	-31	Pass
2328	2337	1	CHP	8	2332.324	-51.67	-37	Pass
2337	2341	1	CHP	9	2340.995	-51.05	-31	Pass
2341	2345	1	CHP	10	2341.879	-37.50	-25	Pass
2345	2349	1	CHP	11	2346.299	-43.33	-13	Pass
2349	2350	0.01	/	12	2349.959	-58.82	-13	Pass
2350	2360	0.01	/	/	/	/	/	/
2360	2361	0.01	/	13	2360.008	-42.21	-13	Pass
2361	2365	1	CHP	14	2361.503	-42.75	-13	Pass
2365	2385	1	CHP	15	2376.972	-43.03	-40	Pass

Band40b 10MHz 16QAM HCH 2355MHz RB 50 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2273.000	-51.79	-40	Pass
2288	2292	1	CHP	2	2288.100	-51.93	-37	Pass
2292	2296	1	CHP	3	2295.550	-51.80	-31	Pass
2296	2300	1	CHP	4	2298.800	-51.71	-25	Pass
2300	2320	1	CHP	5	2319.250	-51.00	-13	Pass
2320	2324	1	CHP	6	2320.150	-51.00	-25	Pass
2324	2328	1	CHP	7	2327.550	-51.28	-31	Pass
2328	2337	1	CHP	8	2336.200	-48.17	-37	Pass
2337	2341	1	CHP	9	2340.550	-46.05	-31	Pass
2341	2345	1	CHP	10	2344.300	-43.40	-25	Pass
2345	2349	1	CHP	11	2347.550	-37.28	-13	Pass
2349	2350	0.1	/	12	2349.950	-39.45	-13	Pass
2350	2360	0.1	/	/	/	/	/	/
2360	2361	0.1	/	13	2360.150	-37.41	-13	Pass
2361	2365	1	CHP	14	2361.500	-37.12	-13	Pass
2365	2385	1	CHP	15	2365.050	-42.64	-40	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
40b	5	2352.5	2357.5	0.1211	0.0029	ppm	4M56G7D	/	20.83
40b	5	2352.5	2357.5	0.0914	0.0029	ppm	4M60W7D	/	19.61
40b	10	2355	2355	0.1114	0.0026	ppm	9M06G7D	/	20.47
40b	10	2355	2355	0.0971	0.0021	ppm	9M09W7D	/	19.87

7.1.2 Form731_EIRP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
40b	5	2352.5	2357.5	0.0729	0.0029	ppm	4M56G7D	/	18.63
40b	5	2352.5	2357.5	0.0551	0.0029	ppm	4M60W7D	/	17.41
40b	10	2355	2355	0.0671	0.0026	ppm	9M06G7D	/	18.27
40b	10	2355	2355	0.0585	0.0021	ppm	9M09W7D	/	17.67