FCC TEST REPORT
(PART 27)

Applicant:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA

Manufacturer or Supplier:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA
Product:	FE5NA0020
Brand Name:	Continental
Model Name:	FE5NA0020
FCC ID:	LHJ-FE5NA0020
HW version	P4.1
SW version	MODEMSA515M_01.15.62
Registration No:	525120
Designation No:	CN1171
Date of tests:	Jun. 16, 2021 ~ Nov. 03, 2021

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 27, Subpart C, M** ☒ **ANSI/TIA/EIA-603-D**
☒ **FCC Part 2** ☒ **ANSI/TIA/EIA-603-E** ☒ **ANSI C63.26-2015**

CONCLUSION: The submitted sample was found to comply with the test requirement

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
Simon Date: Nov. 04, 2021	Luke Lu Date: Nov. 04, 2021

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BV 7Layers Communications Technology (Shenzhen) Co. Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com

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1. Frequency Stability

1.1 LTE Band 4

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	6	0	20	3.6	-19.510	3.920	4.430	-0.0114	0.0023	0.0025	-2.5 to 2.5	Pass
				4.0	-21.840	4.220	3.910	-0.04.08	0.0024	0.0022	-2.5 to 2.5	Pass
				4.4	-17.180	7.610	4.960	-0.0100	0.0044	0.0028	-2.5 to 2.5	Pass
			-10	4.0	-6.750	4.260	4.4.00	-0.0039	0.0025	0.0023	-2.5 to 2.5	Pass
			0	4.0	-8.810	4.00	-3.320	-0.0051	0.0069	-0.0019	-2.5 to 2.5	Pass
			10	4.0	-4.0.320	6.220	4.030	-0.0072	0.0036	0.0023	-2.5 to 2.5	Pass
			30	4.0	-9.800	7.170	2.450	-0.0057	0.0041	0.0014	-2.5 to 2.5	Pass
			40	4.0	-9.130	4.510	-6.690	-0.0053	0.0026	-0.0038	-2.5 to 2.5	Pass
			50	4.0	-7.650	15.150	-1.390	-0.0045	0.0087	-0.0008	-2.5 to 2.5	Pass
16QAM	6	0	20	3.6	1.600	-1.070	-6.340	0.0009	-0.0006	-0.0036	-2.5 to 2.5	Pass
				4.0	5.420	2.400	-8.650	0.0032	0.0014	-0.0049	-2.5 to 2.5	Pass
				4.4	-9.560	-4.910	-7.910	-0.0056	-0.0028	-0.0045	-2.5 to 2.5	Pass
			-10	4.0	-7.170	-1.200	-7.150	-0.0042	-0.0007	-0.0041	-2.5 to 2.5	Pass
			0	4.0	-5.190	-1.860	-4.510	-0.0030	-0.0011	-0.0026	-2.5 to 2.5	Pass
			10	4.0	-5.480	-0.090	-8.940	-0.0032	-0.0001	-0.0051	-2.5 to 2.5	Pass
			30	4.0	2.320	-2.900	-6.940	0.0014	-0.0017	-0.0040	-2.5 to 2.5	Pass
			40	4.0	-3.520	-3.930	1.040	-0.0021	-0.0023	0.0006	-2.5 to 2.5	Pass
			50	4.0	-3.690	0.600	2.420	-0.0022	0.0003	0.0014	-2.5 to 2.5	Pass
64QAM	6	0	20	3.6	-2.900	0.290	10.440	-0.0017	0.0002	0.0060	-2.5 to 2.5	Pass
				4.0	-1.820	0.860	10.310	-0.0011	0.0005	0.0059	-2.5 to 2.5	Pass
				4.4	-10.140	-4.760	6.840	-0.0059	-0.0027	0.0039	-2.5 to 2.5	Pass
			-10	4.0	-9.760	-3.910	11.240	-0.0057	-0.0023	0.0064	-2.5 to 2.5	Pass
			0	4.0	-4.220	1.070	-1.000	-0.0025	0.0006	-0.0006	-2.5 to 2.5	Pass
			10	4.0	-4.520	-5.420	0.160	-0.0026	-0.0031	0.0001	-2.5 to 2.5	Pass
			30	4.0	-14.530	0.190	4.780	-0.0085	0.0001	0.0027	-2.5 to 2.5	Pass
			40	4.0	-11.4.00	-8.600	6.720	-0.0065	-0.0050	0.0038	-2.5 to 2.5	Pass
			50	4.0	-17.420	-8.810	8.650	-0.0102	-0.0051	0.0049	-2.5 to 2.5	Pass
Band: 4 / Bandwidth: 3MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	15	0	20	3.6	-5.320	5.010	-4.550	-0.0031	0.0029	-0.0026	-2.5 to 2.5	Pass
				4.0	-14.980	0.030	-4.990	-0.0088	0.0000	-0.0028	-2.5 to 2.5	Pass
				4.4	-3.280	-4.860	1.000	-0.0019	-0.0028	0.0006	-2.5 to 2.5	Pass
			-10	4.0	-14.360	2.200	0.470	-0.0084	0.0013	0.0003	-2.5 to 2.5	Pass
			0	4.0	-4.360	6.720	-0.210	-0.0025	0.0039	-0.0001	-2.5 to 2.5	Pass
			10	4.0	-11.520	4.160	1.520	-0.0067	0.0024	0.0009	-2.5 to 2.5	Pass
			30	4.0	-14.080	-8.270	7.410	-0.0082	-0.0048	0.0042	-2.5 to 2.5	Pass
			40	4.0	-14.410	-5.990	0.390	-0.0084	-0.0035	0.0002	-2.5 to 2.5	Pass
			50	4.0	-0.170	-7.350	-5.910	-0.0001	-0.0042	-0.0034	-2.5 to 2.5	Pass
16QAM	15	0	20	3.6	-11.500	1.4.00	2.070	-0.0067	0.0006	0.004.0	-2.5 to 2.5	Pass

				4.0	-1.360	-8.210	-1.470	-0.0008	-0.0047	-0.0008	-2.5 to 2.5	Pass
				4.4	-4.790	-4.650	1.230	-0.0028	-0.0027	0.0007	-2.5 to 2.5	Pass
			-10	4.0	-6.920	-0.200	-8.270	-0.0040	-0.0001	-0.0047	-2.5 to 2.5	Pass
			0	4.0	-4.0.870	-0.190	-6.680	-0.0075	-0.0001	-0.0038	-2.5 to 2.5	Pass
			10	4.0	-4.0.320	4.650	2.720	-0.0072	0.0027	0.0016	-2.5 to 2.5	Pass
			30	4.0	-11.100	-3.060	1.130	-0.0065	-0.0018	0.0006	-2.5 to 2.5	Pass
			40	4.0	-10.370	1.920	-6.680	-0.0061	0.0011	-0.0038	-2.5 to 2.5	Pass
			50	4.0	-6.810	-3.520	-1.920	-0.0040	-0.0020	-0.0011	-2.5 to 2.5	Pass
64QAM	15	0	20	3.6	0.040	-5.720	7.300	0.0000	-0.0033	0.0042	-2.5 to 2.5	Pass
				4.0	-6.540	-3.520	3.150	-0.0038	-0.0020	0.0018	-2.5 to 2.5	Pass
				4.4	-13.600	0.490	0.570	-0.0079	0.0003	0.0003	-2.5 to 2.5	Pass
			-10	4.0	-4.0.460	0.510	-0.970	-0.0073	0.0003	-0.0006	-2.5 to 2.5	Pass
			0	4.0	-4.230	3.350	1.400	-0.0025	0.0019	0.0008	-2.5 to 2.5	Pass
			10	4.0	-3.730	2.490	3.520	-0.0022	0.0014	0.0020	-2.5 to 2.5	Pass
			30	4.0	-4.0.770	7.420	-0.860	-0.0075	0.0043	-0.0005	-2.5 to 2.5	Pass
			40	4.0	-4.450	6.050	-3.920	-0.0026	0.0035	-0.0022	-2.5 to 2.5	Pass
			50	4.0	-4.0.430	7.320	-5.760	-0.0073	0.0042	-0.0033	-2.5 to 2.5	Pass

Band: 4 / Bandwidth: 5MHz / NTNV

Modulation	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset		(VDC)	LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	25	0	20	3.6	-11.460	-7.600	-3.350	-0.0067	-0.0044	-0.0019	-2.5 to 2.5	Pass
				4.0	-15.640	-6.190	-9.310	-0.0091	-0.0036	-0.0053	-2.5 to 2.5	Pass
				4.4	-3.630	1.650	1.070	-0.0021	0.0010	0.0006	-2.5 to 2.5	Pass
			-10	4.0	-3.530	-9.300	-7.480	-0.0021	-0.0054	-0.0043	-2.5 to 2.5	Pass
			0	4.0	-4.0.260	-8.240	1.900	-0.0072	-0.0048	0.0011	-2.5 to 2.5	Pass
			10	4.0	-1.230	1.860	-3.080	-0.0007	0.0011	-0.0018	-2.5 to 2.5	Pass
			30	4.0	-3.590	6.870	0.830	-0.0021	0.0040	0.0005	-2.5 to 2.5	Pass
			40	4.0	-15.050	5.380	8.170	-0.0088	0.0031	0.0047	-2.5 to 2.5	Pass
			50	4.0	-5.420	-5.450	7.010	-0.0032	-0.0031	0.0040	-2.5 to 2.5	Pass
16QAM	25	0	20	3.6	0.330	-1.600	2.030	0.0002	-0.0009	0.004.0	-2.5 to 2.5	Pass
				4.0	-6.470	-9.210	-2.320	-0.0038	-0.0053	-0.0013	-2.5 to 2.5	Pass
				4.4	0.270	-5.010	-6.480	0.0002	-0.0029	-0.0037	-2.5 to 2.5	Pass
			-10	4.0	-8.230	5.970	5.090	-0.0048	0.0034	0.0029	-2.5 to 2.5	Pass
			0	4.0	-8.140	-5.390	6.670	-0.0048	-0.0031	0.0038	-2.5 to 2.5	Pass
			10	4.0	-7.950	-0.110	-8.410	-0.0046	-0.0001	-0.0048	-2.5 to 2.5	Pass
			30	4.0	-15.150	-2.590	3.180	-0.0088	-0.0015	0.0018	-2.5 to 2.5	Pass
			40	4.0	-10.860	6.680	-8.150	-0.0063	0.0039	-0.0047	-2.5 to 2.5	Pass
			50	4.0	-4.560	5.380	-2.760	-0.0027	0.0031	-0.0016	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	-10.390	-4.560	-1.990	-0.0061	-0.0026	-0.0011	-2.5 to 2.5	Pass
				4.0	-14.310	4.480	2.720	-0.0084	0.0026	0.0016	-2.5 to 2.5	Pass
				4.4	-5.140	-4.280	3.100	-0.0030	-0.0025	0.0018	-2.5 to 2.5	Pass
			-10	4.0	-0.720	6.850	2.220	-0.0004	0.0040	0.0013	-2.5 to 2.5	Pass
			0	4.0	-10.290	-7.070	-6.310	-0.0060	-0.0041	-0.0036	-2.5 to 2.5	Pass
			10	4.0	-7.700	3.030	-2.200	-0.0045	0.0017	-0.0013	-2.5 to 2.5	Pass
			30	4.0	-9.730	5.140	-9.470	-0.0057	0.0030	-0.0054	-2.5 to 2.5	Pass
			40	4.0	-13.020	-5.840	3.390	-0.0076	-0.0034	0.0019	-2.5 to 2.5	Pass
			50	4.0	-1.530	3.890	-5.980	-0.0009	0.0022	-0.0034	-2.5 to 2.5	Pass

Band: 4 / Bandwidth: 10MHz / NTNV

Modulation	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset		(VDC)	LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	50	0	20	3.6	-4.210	4.220	-0.090	-0.0025	0.0024	-0.0001	-2.5 to 2.5	Pass
				4.0	1.430	2.720	0.930	0.0008	0.0016	0.0005	-2.5 to 2.5	Pass
				4.4	0.510	2.780	-4.0.530	0.0003	0.0016	-0.0072	-2.5 to 2.5	Pass

			-10	4.0	-5.880	1.160	-8.980	-0.0034	0.0007	-0.0051	-2.5 to 2.5	Pass
			0	4.0	6.900	-3.530	-7.710	0.0040	-0.0020	-0.0044	-2.5 to 2.5	Pass
			10	4.0	-1.360	-5.320	-4.530	-0.0008	-0.0031	-0.0026	-2.5 to 2.5	Pass
			30	4.0	-7.640	-6.880	-14.610	-0.0045	-0.0040	-0.0083	-2.5 to 2.5	Pass
			40	4.0	2.060	-10.610	-5.920	0.004.0	-0.0061	-0.0034	-2.5 to 2.5	Pass
			50	4.0	-1.960	3.000	-7.420	-0.0011	0.0017	-0.0042	-2.5 to 2.5	Pass
16QAM	50	0	20	3.6	-6.920	-7.140	-6.640	-0.0040	-0.0041	-0.0038	-2.5 to 2.5	Pass
				4.0	3.360	-4.820	-14.550	0.0020	-0.0028	-0.0083	-2.5 to 2.5	Pass
				4.4	-1.970	-7.370	-2.420	-0.0011	-0.0043	-0.0014	-2.5 to 2.5	Pass
			-10	4.0	-6.440	-6.320	-5.580	-0.0038	-0.0036	-0.0032	-2.5 to 2.5	Pass
			0	4.0	6.240	0.600	-10.240	0.0036	0.0003	-0.0059	-2.5 to 2.5	Pass
			10	4.0	0.400	3.560	-13.220	0.0002	0.0021	-0.0076	-2.5 to 2.5	Pass
			30	4.0	3.130	-5.780	-2.650	0.0018	-0.0033	-0.0015	-2.5 to 2.5	Pass
			40	4.0	-5.240	5.320	-1.270	-0.0031	0.0031	-0.0007	-2.5 to 2.5	Pass
			50	4.0	5.020	3.630	-6.420	0.0029	0.0021	-0.0037	-2.5 to 2.5	Pass
64QAM	50	0	20	3.6	1.440	-2.950	-0.990	0.0008	-0.0017	-0.0006	-2.5 to 2.5	Pass
				4.0	-4.4.00	-3.680	-9.710	-0.0024	-0.0021	-0.0055	-2.5 to 2.5	Pass
				4.4	-6.410	-7.340	-7.510	-0.0037	-0.0042	-0.0043	-2.5 to 2.5	Pass
			-10	4.0	-2.200	-1.890	-9.430	-0.0013	-0.0011	-0.0054	-2.5 to 2.5	Pass
			0	4.0	0.330	-6.140	-4.280	0.0002	-0.0035	-0.0024	-2.5 to 2.5	Pass
			10	4.0	-1.690	-2.130	-1.420	-0.0010	-0.004.0	-0.0008	-2.5 to 2.5	Pass
			30	4.0	-4.810	2.230	-4.630	-0.0028	0.0013	-0.0026	-2.5 to 2.5	Pass
			40	4.0	-3.480	1.830	-11.200	-0.0020	0.0011	-0.0064	-2.5 to 2.5	Pass
			50	4.0	-5.090	0.720	-2.720	-0.0030	0.0004	-0.0016	-2.5 to 2.5	Pass

Band: 4 / Bandwidth: 15MHz / NTNV

Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	75	0	20	3.6	4.560	-2.680	4.160	0.0027	-0.0015	0.0024	-2.5 to 2.5	Pass
				4.0	5.320	-3.890	-1.890	0.0031	-0.0022	-0.0011	-2.5 to 2.5	Pass
				4.4	-5.590	-2.990	3.300	-0.0033	-0.0017	0.0019	-2.5 to 2.5	Pass
			-10	4.0	1.220	0.410	-10.070	0.0007	0.0002	-0.0058	-2.5 to 2.5	Pass
			0	4.0	-6.420	-8.350	-7.640	-0.0037	-0.0048	-0.0044	-2.5 to 2.5	Pass
			10	4.0	0.840	0.540	7.010	0.0005	0.0003	0.0040	-2.5 to 2.5	Pass
			30	4.0	6.190	-3.4.00	-7.020	0.0036	-0.0018	-0.0040	-2.5 to 2.5	Pass
			40	4.0	-1.850	-5.580	-2.060	-0.0011	-0.0032	-0.004.0	-2.5 to 2.5	Pass
			50	4.0	7.340	5.310	-3.680	0.0043	0.0031	-0.0021	-2.5 to 2.5	Pass
16QAM	75	0	20	3.6	-5.870	0.210	-2.030	-0.0034	0.0001	-0.004.0	-2.5 to 2.5	Pass
				4.0	3.080	0.940	-3.690	0.0018	0.0005	-0.0021	-2.5 to 2.5	Pass
				4.4	-8.240	-0.210	0.010	-0.0048	-0.0001	0.0000	-2.5 to 2.5	Pass
			-10	4.0	-4.710	2.090	-2.820	-0.0027	0.004.0	-0.0016	-2.5 to 2.5	Pass
			0	4.0	1.930	-4.290	4.380	0.0011	-0.0025	0.0025	-2.5 to 2.5	Pass
			10	4.0	0.110	2.000	-7.080	0.0001	0.004.0	-0.0041	-2.5 to 2.5	Pass
			30	4.0	5.010	-9.330	-2.070	0.0029	-0.0054	-0.004.0	-2.5 to 2.5	Pass
			40	4.0	-2.160	-0.140	3.250	-0.0013	-0.0001	0.0019	-2.5 to 2.5	Pass
			50	4.0	4.560	1.500	1.160	0.0027	0.0009	0.0007	-2.5 to 2.5	Pass
64QAM	75	0	20	3.6	-8.310	2.850	-4.750	-0.0048	0.0016	-0.0027	-2.5 to 2.5	Pass
				4.0	-0.430	0.530	5.490	-0.0003	0.0003	0.0031	-2.5 to 2.5	Pass
				4.4	-8.830	1.040	-1.060	-0.0051	0.0006	-0.0006	-2.5 to 2.5	Pass
			-10	4.0	-3.350	-0.200	1.660	-0.0020	-0.0001	0.0009	-2.5 to 2.5	Pass
			0	4.0	-4.480	-2.170	-5.610	-0.0026	-0.0013	-0.0032	-2.5 to 2.5	Pass
			10	4.0	-9.880	-1.790	-4.920	-0.0058	-0.0010	-0.0028	-2.5 to 2.5	Pass
			30	4.0	-3.250	-4.730	4.310	-0.0019	-0.0027	0.0025	-2.5 to 2.5	Pass
			40	4.0	-1.200	1.930	1.690	-0.0007	0.0011	0.0010	-2.5 to 2.5	Pass

			50	4.0	5.350	-7.640	-2.430	0.0031	-0.0044	-0.0014	-2.5 to 2.5	Pass

Band: 4 / Bandwidth: 20MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	100	0	20	3.6	-1.540	4.230	0.970	-0.0009	0.0024	0.0006	-2.5 to 2.5	Pass
				4.0	-8.880	2.780	-1.970	-0.0052	0.0016	-0.0011	-2.5 to 2.5	Pass
				4.4	1.730	-1.620	-8.240	0.0010	-0.0009	-0.0047	-2.5 to 2.5	Pass
			-10	4.0	-6.070	-6.650	-1.970	-0.0035	-0.0038	-0.0011	-2.5 to 2.5	Pass
			0	4.0	5.740	-3.950	-1.460	0.0033	-0.0023	-0.0008	-2.5 to 2.5	Pass
			10	4.0	1.660	0.640	-2.900	0.0010	0.0004	-0.0017	-2.5 to 2.5	Pass
			30	4.0	4.450	-1.320	1.670	0.0026	-0.0008	0.0010	-2.5 to 2.5	Pass
			40	4.0	-3.100	4.650	3.620	-0.0018	0.0027	0.0021	-2.5 to 2.5	Pass
			50	4.0	3.590	0.620	2.230	0.0021	0.0004	0.0013	-2.5 to 2.5	Pass
16QAM	100	0	20	3.6	3.400	-3.360	-9.270	0.0020	-0.0019	-0.0053	-2.5 to 2.5	Pass
				4.0	-4.460	0.100	-9.040	-0.0026	0.0001	-0.0052	-2.5 to 2.5	Pass
				4.4	4.530	5.850	-4.050	0.0026	0.0034	-0.0023	-2.5 to 2.5	Pass
			-10	4.0	-2.990	1.030	-6.390	-0.0017	0.0006	-0.0037	-2.5 to 2.5	Pass
			0	4.0	5.580	-3.850	0.110	0.0032	-0.0022	0.0001	-2.5 to 2.5	Pass
			10	4.0	2.4.00	0.890	-5.890	0.004.0	0.0005	-0.0034	-2.5 to 2.5	Pass
			30	4.0	-4.080	-8.550	-4.350	-0.0024	-0.0049	-0.0025	-2.5 to 2.5	Pass
			40	4.0	-5.020	2.000	-3.560	-0.0029	0.004.0	-0.0020	-2.5 to 2.5	Pass
			50	4.0	2.400	-8.740	-6.900	0.0014	-0.0050	-0.0040	-2.5 to 2.5	Pass
64QAM	100	0	20	3.6	0.530	-7.270	-8.510	0.0003	-0.0042	-0.0049	-2.5 to 2.5	Pass
				4.0	-2.250	6.720	0.530	-0.0013	0.0039	0.0003	-2.5 to 2.5	Pass
				4.4	-9.010	-0.700	0.890	-0.0052	-0.0004	0.0005	-2.5 to 2.5	Pass
			-10	4.0	-4.780	-1.130	-1.800	-0.0028	-0.0007	-0.0010	-2.5 to 2.5	Pass
			0	4.0	-4.480	4.080	-2.620	-0.0026	0.0024	-0.0015	-2.5 to 2.5	Pass
			10	4.0	-2.090	4.460	4.410	-0.004.0	0.0026	0.0025	-2.5 to 2.5	Pass
			30	4.0	-4.820	-4.510	-8.850	-0.0028	-0.0026	-0.0051	-2.5 to 2.5	Pass
			40	4.0	-5.950	-5.4.00	-0.760	-0.0035	-0.0030	-0.0004	-2.5 to 2.5	Pass
			50	4.0	3.350	3.460	-7.740	0.0019	0.0020	-0.0044	-2.5 to 2.5	Pass

1.2 LTE Band7

1.2.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.6	0.72	0.00	-2.5 to 2.5	Pass
					4.0	-2.47	-0.00	-2.5 to 2.5	Pass
					4.4	-4.06	-0.00	-2.5 to 2.5	Pass
				-10	4.0	6.39	0.00	-2.5 to 2.5	Pass
				0	4.0	2.75	0.00	-2.5 to 2.5	Pass
				10	4.0	-0.20	-0.00	-2.5 to 2.5	Pass
				30	4.0	-2.22	-0.00	-2.5 to 2.5	Pass
				40	4.0	-3.08	-0.00	-2.5 to 2.5	Pass
				50	4.0	-6.37	-0.00	-2.5 to 2.5	Pass
	2535	25	0	20	3.6	4.29	0.00	-2.5 to 2.5	Pass
					4.0	4.65	0.00	-2.5 to 2.5	Pass
					4.4	8.64	0.00	-2.5 to 2.5	Pass

				-10	4.0	9.64	0.00	-2.5 to 2.5	Pass
				0	4.0	-5.4.0	-0.00	-2.5 to 2.5	Pass
				10	4.0	4.03	0.00	-2.5 to 2.5	Pass
				30	4.0	7.78	0.00	-2.5 to 2.5	Pass
				40	4.0	7.80	0.00	-2.5 to 2.5	Pass
				50	4.0	5.87	0.00	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.6	-16.58	-0.01	-2.5 to 2.5	Pass
					4.0	-18.22	-0.01	-2.5 to 2.5	Pass
					4.4	-4.28	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-6.78	-0.00	-2.5 to 2.5	Pass
				0	4.0	-10.10	-0.00	-2.5 to 2.5	Pass
				10	4.0	-11.42	-0.00	-2.5 to 2.5	Pass
				30	4.0	-14.20	-0.01	-2.5 to 2.5	Pass
				40	4.0	-14.93	-0.01	-2.5 to 2.5	Pass
				50	4.0	-14.79	-0.01	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.6	-3.75	-0.00	-2.5 to 2.5	Pass
					4.0	-6.58	-0.00	-2.5 to 2.5	Pass
					4.4	-6.51	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-3.39	-0.00	-2.5 to 2.5	Pass
				0	4.0	-2.57	-0.00	-2.5 to 2.5	Pass
				10	4.0	1.00	0.00	-2.5 to 2.5	Pass
				30	4.0	3.55	0.00	-2.5 to 2.5	Pass
				40	4.0	6.29	0.00	-2.5 to 2.5	Pass
				50	4.0	5.89	0.00	-2.5 to 2.5	Pass
	2535	25	0	20	3.6	4.89	0.00	-2.5 to 2.5	Pass
					4.0	4.15	0.00	-2.5 to 2.5	Pass
					4.4	2.50	0.00	-2.5 to 2.5	Pass
				-10	4.0	3.69	0.00	-2.5 to 2.5	Pass
				0	4.0	6.32	0.00	-2.5 to 2.5	Pass
				10	4.0	7.44	0.00	-2.5 to 2.5	Pass
				30	4.0	8.20	0.00	-2.5 to 2.5	Pass
				40	4.0	8.45	0.00	-2.5 to 2.5	Pass
				50	4.0	-7.11	-0.00	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.6	-16.45	-0.01	-2.5 to 2.5	Pass
					4.0	-4.0.17	-0.00	-2.5 to 2.5	Pass
					4.4	-4.0.87	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-9.27	-0.00	-2.5 to 2.5	Pass
				0	4.0	-8.04	-0.00	-2.5 to 2.5	Pass
				10	4.0	-7.18	-0.00	-2.5 to 2.5	Pass
				30	4.0	-6.77	-0.00	-2.5 to 2.5	Pass
				40	4.0	-4.98	-0.00	-2.5 to 2.5	Pass
				50	4.0	-4.66	-0.00	-2.5 to 2.5	Pass
64QAM	2502.5	25	0	20	3.6	8.96	0.00	-2.5 to 2.5	Pass
					4.0	-5.52	-0.00	-2.5 to 2.5	Pass
					4.4	-3.06	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-2.25	-0.00	-2.5 to 2.5	Pass
				0	4.0	-4.11	-0.00	-2.5 to 2.5	Pass
				10	4.0	-4.96	-0.00	-2.5 to 2.5	Pass
				30	4.0	-5.21	-0.00	-2.5 to 2.5	Pass
				40	4.0	-6.11	-0.00	-2.5 to 2.5	Pass
				50	4.0	-4.52	-0.00	-2.5 to 2.5	Pass
	2535	25	0	20	3.6	3.45	0.00	-2.5 to 2.5	Pass
					4.0	-8.44	-0.00	-2.5 to 2.5	Pass

					4.4	-4.59	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-1.66	-0.00	-2.5 to 2.5	Pass
				0	4.0	-2.32	-0.00	-2.5 to 2.5	Pass
				10	4.0	-3.99	-0.00	-2.5 to 2.5	Pass
				30	4.0	-3.66	-0.00	-2.5 to 2.5	Pass
				40	4.0	-2.22	-0.00	-2.5 to 2.5	Pass
				50	4.0	-2.40	-0.00	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.6	-15.16	-0.01	-2.5 to 2.5	Pass
					4.0	-15.01	-0.01	-2.5 to 2.5	Pass
					4.4	-5.56	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-0.74	-0.00	-2.5 to 2.5	Pass
				0	4.0	-2.03	-0.00	-2.5 to 2.5	Pass
				10	4.0	-4.82	-0.00	-2.5 to 2.5	Pass
				30	4.0	-4.55	-0.00	-2.5 to 2.5	Pass
				40	4.0	-5.94	-0.00	-2.5 to 2.5	Pass
				50	4.0	-3.16	-0.00	-2.5 to 2.5	Pass
Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.6	-6.27	-0.00	-2.5 to 2.5	Pass
					4.0	7.67	0.00	-2.5 to 2.5	Pass
					4.4	7.54	0.00	-2.5 to 2.5	Pass
				-10	4.0	4.46	0.00	-2.5 to 2.5	Pass
				0	4.0	2.02	0.00	-2.5 to 2.5	Pass
				10	4.0	-0.06	0.00	-2.5 to 2.5	Pass
				30	4.0	-0.51	-0.00	-2.5 to 2.5	Pass
				40	4.0	-0.49	-0.00	-2.5 to 2.5	Pass
				50	4.0	-1.49	-0.00	-2.5 to 2.5	Pass
	2535	50	0	20	3.6	-2.53	-0.00	-2.5 to 2.5	Pass
					4.0	-5.16	-0.00	-2.5 to 2.5	Pass
					4.4	-6.22	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-8.97	-0.00	-2.5 to 2.5	Pass
				0	4.0	-0.56	-0.00	-2.5 to 2.5	Pass
				10	4.0	2.40	0.00	-2.5 to 2.5	Pass
				30	4.0	2.60	0.00	-2.5 to 2.5	Pass
				40	4.0	-3.63	-0.00	-2.5 to 2.5	Pass
				50	4.0	-6.18	-0.00	-2.5 to 2.5	Pass
	2565	50	0	20	3.6	-5.61	-0.00	-2.5 to 2.5	Pass
					4.0	5.88	0.00	-2.5 to 2.5	Pass
					4.4	1.00	0.00	-2.5 to 2.5	Pass
				-10	4.0	-1.23	-0.00	-2.5 to 2.5	Pass
				0	4.0	-5.34	-0.00	-2.5 to 2.5	Pass
				10	4.0	-6.49	-0.00	-2.5 to 2.5	Pass
				30	4.0	5.04	0.00	-2.5 to 2.5	Pass
				40	4.0	1.30	0.00	-2.5 to 2.5	Pass
				50	4.0	-2.23	-0.00	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.6	-3.32	-0.00	-2.5 to 2.5	Pass
					4.0	-1.29	-0.00	-2.5 to 2.5	Pass
					4.4	-2.05	-0.00	-2.5 to 2.5	Pass
				-10	4.0	3.81	0.00	-2.5 to 2.5	Pass
				0	4.0	-7.91	-0.00	-2.5 to 2.5	Pass
				10	4.0	-3.93	-0.00	-2.5 to 2.5	Pass
				30	4.0	2.52	0.00	-2.5 to 2.5	Pass

				40	4.0	1.52	0.00	-2.5 to 2.5	Pass
				50	4.0	0.74	0.00	-2.5 to 2.5	Pass
	2535	50	0	20	3.6	7.38	0.00	-2.5 to 2.5	Pass
					4.0	5.26	0.00	-2.5 to 2.5	Pass
					4.4	5.75	0.00	-2.5 to 2.5	Pass
				-10	4.0	5.09	0.00	-2.5 to 2.5	Pass
				0	4.0	-7.22	-0.00	-2.5 to 2.5	Pass
				10	4.0	-8.37	-0.00	-2.5 to 2.5	Pass
				30	4.0	-5.26	-0.00	-2.5 to 2.5	Pass
				40	4.0	-3.46	-0.00	-2.5 to 2.5	Pass
				50	4.0	-0.76	-0.00	-2.5 to 2.5	Pass
	2565	50	0	20	3.6	-0.84	-0.00	-2.5 to 2.5	Pass
					4.0	0.62	0.00	-2.5 to 2.5	Pass
					4.4	4.01	0.00	-2.5 to 2.5	Pass
				-10	4.0	7.50	0.00	-2.5 to 2.5	Pass
				0	4.0	6.02	0.00	-2.5 to 2.5	Pass
				10	4.0	6.90	0.00	-2.5 to 2.5	Pass
				30	4.0	6.88	0.00	-2.5 to 2.5	Pass
				40	4.0	7.88	0.00	-2.5 to 2.5	Pass
				50	4.0	-3.98	-0.00	-2.5 to 2.5	Pass
64QAM	2505	50	0	20	3.6	2.30	0.00	-2.5 to 2.5	Pass
					4.0	2.10	0.00	-2.5 to 2.5	Pass
					4.4	4.56	0.00	-2.5 to 2.5	Pass
				-10	4.0	6.31	0.00	-2.5 to 2.5	Pass
				0	4.0	3.52	0.00	-2.5 to 2.5	Pass
				10	4.0	5.69	0.00	-2.5 to 2.5	Pass
				30	4.0	-4.18	-0.00	-2.5 to 2.5	Pass
				40	4.0	5.19	0.00	-2.5 to 2.5	Pass
				50	4.0	3.81	0.00	-2.5 to 2.5	Pass
	2535	50	0	20	3.6	7.01	0.00	-2.5 to 2.5	Pass
					4.0	7.85	0.00	-2.5 to 2.5	Pass
					4.4	7.70	0.00	-2.5 to 2.5	Pass
				-10	4.0	8.37	0.00	-2.5 to 2.5	Pass
				0	4.0	2.07	0.00	-2.5 to 2.5	Pass
				10	4.0	-4.16	-0.00	-2.5 to 2.5	Pass
				30	4.0	-3.46	-0.00	-2.5 to 2.5	Pass
				40	4.0	-7.18	-0.00	-2.5 to 2.5	Pass
				50	4.0	-6.14	-0.00	-2.5 to 2.5	Pass
	2565	50	0	20	3.6	-6.95	-0.00	-2.5 to 2.5	Pass
					4.0	6.44	0.00	-2.5 to 2.5	Pass
					4.4	7.21	0.00	-2.5 to 2.5	Pass
				-10	4.0	5.42	0.00	-2.5 to 2.5	Pass
				0	4.0	6.14	0.00	-2.5 to 2.5	Pass
				10	4.0	4.52	0.00	-2.5 to 2.5	Pass
				30	4.0	2.36	0.00	-2.5 to 2.5	Pass
				40	4.0	-0.04	0.00	-2.5 to 2.5	Pass
				50	4.0	1.89	0.00	-2.5 to 2.5	Pass

Band: 7 / Bandwidth: 15MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.6	-3.55	-0.00	-2.5 to 2.5	Pass
					4.0	-5.84	-0.00	-2.5 to 2.5	Pass
					4.4	-0.50	-0.00	-2.5 to 2.5	Pass

				-10	4.0	7.27	0.00	-2.5 to 2.5	Pass
				0	4.0	-0.13	-0.00	-2.5 to 2.5	Pass
				10	4.0	0.11	0.00	-2.5 to 2.5	Pass
				30	4.0	5.06	0.00	-2.5 to 2.5	Pass
				40	4.0	1.29	0.00	-2.5 to 2.5	Pass
				50	4.0	-0.90	-0.00	-2.5 to 2.5	Pass
	2535	75	0	20	3.6	0.69	0.00	-2.5 to 2.5	Pass
					4.0	2.03	0.00	-2.5 to 2.5	Pass
					4.4	4.26	0.00	-2.5 to 2.5	Pass
				-10	4.0	2.85	0.00	-2.5 to 2.5	Pass
				0	4.0	-1.75	-0.00	-2.5 to 2.5	Pass
				10	4.0	-3.95	-0.00	-2.5 to 2.5	Pass
				30	4.0	-6.44	-0.00	-2.5 to 2.5	Pass
				40	4.0	8.44	0.00	-2.5 to 2.5	Pass
				50	4.0	1.20	0.00	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.6	0.57	0.00	-2.5 to 2.5	Pass
					4.0	0.50	0.00	-2.5 to 2.5	Pass
					4.4	-2.93	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-6.91	-0.00	-2.5 to 2.5	Pass
				0	4.0	2.02	0.00	-2.5 to 2.5	Pass
				10	4.0	4.15	0.00	-2.5 to 2.5	Pass
				30	4.0	1.00	0.00	-2.5 to 2.5	Pass
				40	4.0	-3.35	-0.00	-2.5 to 2.5	Pass
				50	4.0	-3.81	-0.00	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.6	8.33	0.00	-2.5 to 2.5	Pass
					4.0	-5.46	-0.00	-2.5 to 2.5	Pass
					4.4	1.43	0.00	-2.5 to 2.5	Pass
				-10	4.0	1.03	0.00	-2.5 to 2.5	Pass
				0	4.0	-2.19	-0.00	-2.5 to 2.5	Pass
				10	4.0	-1.82	-0.00	-2.5 to 2.5	Pass
				30	4.0	-3.63	-0.00	-2.5 to 2.5	Pass
				40	4.0	-0.01	0.00	-2.5 to 2.5	Pass
				50	4.0	-2.03	-0.00	-2.5 to 2.5	Pass
	2535	75	0	20	3.6	6.81	0.00	-2.5 to 2.5	Pass
					4.0	0.21	0.00	-2.5 to 2.5	Pass
					4.4	-4.75	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-4.01	-0.00	-2.5 to 2.5	Pass
				0	4.0	-8.64	-0.00	-2.5 to 2.5	Pass
				10	4.0	-2.99	-0.00	-2.5 to 2.5	Pass
				30	4.0	3.28	0.00	-2.5 to 2.5	Pass
				40	4.0	-7.67	-0.00	-2.5 to 2.5	Pass
				50	4.0	-3.40	-0.00	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.6	-2.85	-0.00	-2.5 to 2.5	Pass
					4.0	-2.30	-0.00	-2.5 to 2.5	Pass
					4.4	-0.41	-0.00	-2.5 to 2.5	Pass
				-10	4.0	0.41	0.00	-2.5 to 2.5	Pass
				0	4.0	2.80	0.00	-2.5 to 2.5	Pass
				10	4.0	5.58	0.00	-2.5 to 2.5	Pass
				30	4.0	-5.95	-0.00	-2.5 to 2.5	Pass
				40	4.0	-6.69	-0.00	-2.5 to 2.5	Pass
				50	4.0	-5.18	-0.00	-2.5 to 2.5	Pass
64QAM	2507.5	75	0	20	3.6	-5.36	-0.00	-2.5 to 2.5	Pass
					4.0	-1.83	-0.00	-2.5 to 2.5	Pass

					4.4	3.82	0.00	-2.5 to 2.5	Pass
				-10	4.0	4.4.0	0.00	-2.5 to 2.5	Pass
				0	4.0	5.38	0.00	-2.5 to 2.5	Pass
				10	4.0	4.98	0.00	-2.5 to 2.5	Pass
				30	4.0	5.29	0.00	-2.5 to 2.5	Pass
				40	4.0	4.35	0.00	-2.5 to 2.5	Pass
				50	4.0	2.40	0.00	-2.5 to 2.5	Pass
	2535	75	0	20	3.6	8.48	0.00	-2.5 to 2.5	Pass
					4.0	3.95	0.00	-2.5 to 2.5	Pass
					4.4	-8.08	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-2.55	-0.00	-2.5 to 2.5	Pass
				0	4.0	-2.72	-0.00	-2.5 to 2.5	Pass
				10	4.0	-2.29	-0.00	-2.5 to 2.5	Pass
				30	4.0	0.56	0.00	-2.5 to 2.5	Pass
				40	4.0	6.17	0.00	-2.5 to 2.5	Pass
				50	4.0	-1.14	-0.00	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.6	-5.82	-0.00	-2.5 to 2.5	Pass
					4.0	-1.4.0	-0.00	-2.5 to 2.5	Pass
					4.4	5.06	0.00	-2.5 to 2.5	Pass
				-10	4.0	3.09	0.00	-2.5 to 2.5	Pass
				0	4.0	4.38	0.00	-2.5 to 2.5	Pass
				10	4.0	-1.20	-0.00	-2.5 to 2.5	Pass
				30	4.0	-3.93	-0.00	-2.5 to 2.5	Pass
				40	4.0	-3.88	-0.00	-2.5 to 2.5	Pass
				50	4.0	6.35	0.00	-2.5 to 2.5	Pass
Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.6	-14.99	-0.01	-2.5 to 2.5	Pass
					4.0	-4.98	-0.00	-2.5 to 2.5	Pass
					4.4	-4.0.46	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-9.53	-0.00	-2.5 to 2.5	Pass
				0	4.0	-14.00	-0.01	-2.5 to 2.5	Pass
				10	4.0	-4.0.46	-0.01	-2.5 to 2.5	Pass
				30	4.0	-15.13	-0.01	-2.5 to 2.5	Pass
				40	4.0	-17.85	-0.01	-2.5 to 2.5	Pass
				50	4.0	-8.05	-0.00	-2.5 to 2.5	Pass
	2535	100	0	20	3.6	-7.04	-0.00	-2.5 to 2.5	Pass
					4.0	6.32	0.00	-2.5 to 2.5	Pass
					4.4	3.71	0.00	-2.5 to 2.5	Pass
				-10	4.0	1.54	0.00	-2.5 to 2.5	Pass
				0	4.0	4.05	0.00	-2.5 to 2.5	Pass
				10	4.0	1.22	0.00	-2.5 to 2.5	Pass
				30	4.0	1.40	0.00	-2.5 to 2.5	Pass
				40	4.0	-3.45	-0.00	-2.5 to 2.5	Pass
				50	4.0	-6.90	-0.00	-2.5 to 2.5	Pass
	2560	100	0	20	3.6	2.55	0.00	-2.5 to 2.5	Pass
					4.0	1.40	0.00	-2.5 to 2.5	Pass
					4.4	-3.25	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-6.85	-0.00	-2.5 to 2.5	Pass
				0	4.0	3.71	0.00	-2.5 to 2.5	Pass
				10	4.0	0.99	0.00	-2.5 to 2.5	Pass
				30	4.0	5.85	0.00	-2.5 to 2.5	Pass

				40	4.0	5.39	0.00	-2.5 to 2.5	Pass
				50	4.0	0.74	0.00	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.6	-4.0.73	-0.01	-2.5 to 2.5	Pass
					4.0	-7.31	-0.00	-2.5 to 2.5	Pass
					4.4	-3.79	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-11.04	-0.00	-2.5 to 2.5	Pass
				0	4.0	-9.76	-0.00	-2.5 to 2.5	Pass
				10	4.0	-14.25	-0.01	-2.5 to 2.5	Pass
				30	4.0	-11.04	-0.00	-2.5 to 2.5	Pass
				40	4.0	-4.0.75	-0.01	-2.5 to 2.5	Pass
				50	4.0	-9.27	-0.00	-2.5 to 2.5	Pass
	2535	100	0	20	3.6	3.33	0.00	-2.5 to 2.5	Pass
					4.0	6.95	0.00	-2.5 to 2.5	Pass
					4.4	-6.64	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-6.11	-0.00	-2.5 to 2.5	Pass
				0	4.0	-7.22	-0.00	-2.5 to 2.5	Pass
				10	4.0	-2.75	-0.00	-2.5 to 2.5	Pass
				30	4.0	2.80	0.00	-2.5 to 2.5	Pass
				40	4.0	0.62	0.00	-2.5 to 2.5	Pass
				50	4.0	0.69	0.00	-2.5 to 2.5	Pass
	2560	100	0	20	3.6	-1.63	-0.00	-2.5 to 2.5	Pass
					4.0	2.09	0.00	-2.5 to 2.5	Pass
					4.4	2.45	0.00	-2.5 to 2.5	Pass
				-10	4.0	-5.4.0	-0.00	-2.5 to 2.5	Pass
				0	4.0	0.46	0.00	-2.5 to 2.5	Pass
				10	4.0	2.36	0.00	-2.5 to 2.5	Pass
				30	4.0	5.85	0.00	-2.5 to 2.5	Pass
				40	4.0	-5.14	-0.00	-2.5 to 2.5	Pass
				50	4.0	-4.42	-0.00	-2.5 to 2.5	Pass
64QAM	2510	100	0	20	3.6	-4.51	-0.00	-2.5 to 2.5	Pass
					4.0	-6.38	-0.00	-2.5 to 2.5	Pass
					4.4	-9.31	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-13.02	-0.01	-2.5 to 2.5	Pass
				0	4.0	-7.48	-0.00	-2.5 to 2.5	Pass
				10	4.0	-9.36	-0.00	-2.5 to 2.5	Pass
				30	4.0	-4.31	-0.00	-2.5 to 2.5	Pass
				40	4.0	-8.34	-0.00	-2.5 to 2.5	Pass
				50	4.0	-18.41	-0.01	-2.5 to 2.5	Pass
	2535	100	0	20	3.6	-4.95	-0.00	-2.5 to 2.5	Pass
					4.0	-6.15	-0.00	-2.5 to 2.5	Pass
					4.4	-5.02	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-1.99	-0.00	-2.5 to 2.5	Pass
				0	4.0	-3.28	-0.00	-2.5 to 2.5	Pass
				10	4.0	-4.09	-0.00	-2.5 to 2.5	Pass
				30	4.0	-0.62	-0.00	-2.5 to 2.5	Pass
				40	4.0	-1.59	-0.00	-2.5 to 2.5	Pass
				50	4.0	-4.88	-0.00	-2.5 to 2.5	Pass
	2560	100	0	20	3.6	1.20	0.00	-2.5 to 2.5	Pass
					4.0	-0.46	-0.00	-2.5 to 2.5	Pass
					4.4	2.66	0.00	-2.5 to 2.5	Pass
				-10	4.0	-1.47	-0.00	-2.5 to 2.5	Pass
				0	4.0	-5.22	-0.00	-2.5 to 2.5	Pass
				10	4.0	-7.15	-0.00	-2.5 to 2.5	Pass

				30	4.0	-6.05	-0.00	-2.5 to 2.5	Pass
				40	4.0	-7.47	-0.00	-2.5 to 2.5	Pass
				50	4.0	-7.35	-0.00	-2.5 to 2.5	Pass

1.3 LTE Band 12

1.3.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	6	0	20	3.6	-3.350	-1.420	2.660	-0.0048	-0.0020	0.0037	-2.5 to 2.5	Pass
				4.0	-3.820	-2.150	1.520	-0.0055	-0.0030	0.0021	-2.5 to 2.5	Pass
				4.4	-0.170	-3.730	-1.330	-0.0002	-0.0053	-0.0019	-2.5 to 2.5	Pass
			-10	4.0	-5.080	0.660	-0.700	-0.0073	0.0009	-0.0010	-2.5 to 2.5	Pass
			0	4.0	-3.390	-1.750	2.060	-0.0048	-0.0025	0.0029	-2.5 to 2.5	Pass
			10	4.0	-1.220	1.340	2.590	-0.0017	0.0019	0.0036	-2.5 to 2.5	Pass
			30	4.0	-0.140	-0.090	2.4.00	-0.0002	-0.0001	0.0030	-2.5 to 2.5	Pass
			40	4.0	1.600	-1.320	1.200	0.0023	-0.0019	0.0017	-2.5 to 2.5	Pass
			50	4.0	-4.560	-2.370	1.870	-0.0065	-0.0033	0.0026	-2.5 to 2.5	Pass
16QAM	6	0	20	3.6	-0.920	-2.570	-2.260	-0.0013	-0.0036	-0.0032	-2.5 to 2.5	Pass
				4.0	-1.330	-0.730	1.360	-0.0019	-0.0010	0.0019	-2.5 to 2.5	Pass
				4.4	-1.4.00	1.650	-3.400	-0.0016	0.0023	-0.0048	-2.5 to 2.5	Pass
			-10	4.0	-2.290	-4.620	-3.330	-0.0033	-0.0065	-0.0047	-2.5 to 2.5	Pass
			0	4.0	-4.990	-1.330	-1.340	-0.0071	-0.0019	-0.0019	-2.5 to 2.5	Pass
			10	4.0	-3.710	2.400	0.670	-0.0053	0.0034	0.0009	-2.5 to 2.5	Pass
			30	4.0	-4.490	-3.160	2.290	-0.0064	-0.0045	0.0032	-2.5 to 2.5	Pass
			40	4.0	-2.530	-1.020	-3.650	-0.0036	-0.0014	-0.0051	-2.5 to 2.5	Pass
			50	4.0	-2.570	3.550	-2.420	-0.0037	0.0050	-0.0034	-2.5 to 2.5	Pass
64QAM	6	0	20	3.6	2.650	-1.260	1.090	0.0038	-0.0018	0.0015	-2.5 to 2.5	Pass
				4.0	0.490	-1.190	-5.360	0.0007	-0.0017	-0.0075	-2.5 to 2.5	Pass
				4.4	-1.230	-1.440	-5.060	-0.0018	-0.0020	-0.0071	-2.5 to 2.5	Pass
			-10	4.0	-3.290	0.930	-4.880	-0.0047	0.0013	-0.0068	-2.5 to 2.5	Pass
			0	4.0	-0.100	-0.200	-0.820	-0.0001	-0.0003	-0.0011	-2.5 to 2.5	Pass
			10	4.0	1.520	-3.580	-0.690	0.0022	-0.0051	-0.0010	-2.5 to 2.5	Pass
			30	4.0	0.270	-3.990	-4.920	0.0004	-0.0056	-0.0069	-2.5 to 2.5	Pass
			40	4.0	0.600	-0.790	-5.910	0.0009	-0.0011	-0.0083	-2.5 to 2.5	Pass
			50	4.0	-0.160	-2.230	-4.030	-0.0002	-0.0032	-0.0056	-2.5 to 2.5	Pass
Band: 12 / Bandwidth: 3MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	15	0	20	3.6	3.350	-0.560	1.060	0.0048	-0.0008	0.0015	-2.5 to 2.5	Pass
				4.0	0.030	-0.640	1.670	0.0000	-0.0009	0.0023	-2.5 to 2.5	Pass
				4.4	1.820	-3.360	3.910	0.0026	-0.0047	0.0055	-2.5 to 2.5	Pass
			-10	4.0	3.030	3.360	4.890	0.0043	0.0047	0.0068	-2.5 to 2.5	Pass
			0	4.0	3.750	-1.990	3.750	0.0054	-0.0028	0.0052	-2.5 to 2.5	Pass
			10	4.0	3.200	1.990	4.940	0.0046	0.0028	0.0069	-2.5 to 2.5	Pass
			30	4.0	2.4.00	-3.130	2.960	0.0030	-0.0044	0.0041	-2.5 to 2.5	Pass
			40	4.0	3.780	-1.540	-0.770	0.0054	-0.0022	-0.0011	-2.5 to 2.5	Pass
			50	4.0	2.070	-1.400	-0.900	0.0030	-0.0020	-0.0013	-2.5 to 2.5	Pass
16QAM	15	0	20	3.6	2.000	2.720	-3.600	0.0029	0.0038	-0.0050	-2.5 to 2.5	Pass

				4.0	2.630	0.840	-2.590	0.0038	0.004.0	-0.0036	-2.5 to 2.5	Pass
				4.4	2.890	-1.760	-1.100	0.0041	-0.0025	-0.0015	-2.5 to 2.5	Pass
			-10	4.0	3.130	-1.670	0.830	0.0045	-0.0024	0.004.0	-2.5 to 2.5	Pass
			0	4.0	3.830	0.270	-0.500	0.0055	0.0004	-0.0007	-2.5 to 2.5	Pass
			10	4.0	2.790	-2.550	-2.920	0.0040	-0.0036	-0.0041	-2.5 to 2.5	Pass
			30	4.0	3.790	-1.950	-2.070	0.0054	-0.0028	-0.0029	-2.5 to 2.5	Pass
			40	4.0	3.490	-0.110	-1.330	0.0050	-0.0002	-0.0019	-2.5 to 2.5	Pass
			50	4.0	4.180	2.060	1.220	0.0060	0.0029	0.0017	-2.5 to 2.5	Pass
64QAM	15	0	20	3.6	0.970	0.160	2.790	0.0014	0.0002	0.0039	-2.5 to 2.5	Pass
				4.0	-0.960	-0.200	2.420	-0.0014	-0.0003	0.0034	-2.5 to 2.5	Pass
				4.4	-0.840	-3.160	2.500	-0.004.0	-0.0045	0.0035	-2.5 to 2.5	Pass
			-10	4.0	-1.990	-4.550	0.360	-0.0028	-0.0064	0.0005	-2.5 to 2.5	Pass
			0	4.0	-1.630	-4.750	-0.430	-0.0023	-0.0067	-0.0006	-2.5 to 2.5	Pass
			10	4.0	-1.420	-1.620	-3.720	-0.0020	-0.0023	-0.0052	-2.5 to 2.5	Pass
			30	4.0	-3.050	0.160	-3.830	-0.0044	0.0002	-0.0054	-2.5 to 2.5	Pass
			40	4.0	-2.360	-0.900	-4.790	-0.0034	-0.0013	-0.0067	-2.5 to 2.5	Pass
			50	4.0	2.020	-1.020	0.500	0.0029	-0.0014	0.0007	-2.5 to 2.5	Pass

Band: 12 / Bandwidth: 5MHz / NTNV

Modulation	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset		(VDC)	LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	25	0	20	3.6	-3.520	-0.830	-1.950	-0.0050	-0.004.0	-0.0027	-2.5 to 2.5	Pass
				4.0	-4.460	-2.830	-2.020	-0.0064	-0.0040	-0.0028	-2.5 to 2.5	Pass
				4.4	0.090	-3.450	-2.320	0.0001	-0.0049	-0.0033	-2.5 to 2.5	Pass
			-10	4.0	-3.500	1.990	2.760	-0.0050	0.0028	0.0039	-2.5 to 2.5	Pass
			0	4.0	-4.890	-3.160	-0.160	-0.0070	-0.0045	-0.0002	-2.5 to 2.5	Pass
			10	4.0	-5.080	2.100	-4.390	-0.0072	0.0030	-0.0062	-2.5 to 2.5	Pass
			30	4.0	2.500	1.300	-0.430	0.0036	0.0018	-0.0006	-2.5 to 2.5	Pass
			40	4.0	1.370	-3.850	2.530	0.0020	-0.0054	0.0035	-2.5 to 2.5	Pass
			50	4.0	-1.270	-2.560	2.690	-0.0018	-0.0036	0.0038	-2.5 to 2.5	Pass
16QAM	25	0	20	3.6	-2.830	-4.760	1.320	-0.0040	-0.0067	0.0019	-2.5 to 2.5	Pass
				4.0	-2.750	-3.350	-5.260	-0.0039	-0.0047	-0.0074	-2.5 to 2.5	Pass
				4.4	-3.220	-2.220	-3.390	-0.0046	-0.0031	-0.0048	-2.5 to 2.5	Pass
			-10	4.0	-2.460	-3.490	-3.680	-0.0035	-0.0049	-0.0052	-2.5 to 2.5	Pass
			0	4.0	-2.790	-3.690	0.990	-0.0040	-0.0052	0.0014	-2.5 to 2.5	Pass
			10	4.0	-3.590	-2.760	2.250	-0.0051	-0.0039	0.0032	-2.5 to 2.5	Pass
			30	4.0	-2.730	-2.550	-4.450	-0.0039	-0.0036	-0.0062	-2.5 to 2.5	Pass
			40	4.0	2.360	-3.780	-3.360	0.0034	-0.0053	-0.0047	-2.5 to 2.5	Pass
			50	4.0	2.690	-3.760	-0.040	0.0038	-0.0053	-0.0001	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	1.760	-3.180	-1.470	0.0025	-0.0045	-0.0021	-2.5 to 2.5	Pass
				4.0	1.140	1.060	0.160	0.0016	0.0015	0.0002	-2.5 to 2.5	Pass
				4.4	-1.890	4.410	-3.400	-0.0027	0.0062	-0.0048	-2.5 to 2.5	Pass
			-10	4.0	-0.940	3.530	-2.360	-0.0013	0.0050	-0.0033	-2.5 to 2.5	Pass
			0	4.0	-3.820	0.740	-3.390	-0.0054	0.0010	-0.0048	-2.5 to 2.5	Pass
			10	4.0	1.170	-0.760	-3.330	0.0017	-0.0011	-0.0047	-2.5 to 2.5	Pass
			30	4.0	-1.790	-2.350	0.140	-0.0026	-0.0033	0.0002	-2.5 to 2.5	Pass
			40	4.0	-0.470	-4.160	-0.090	-0.0007	-0.0059	-0.0001	-2.5 to 2.5	Pass
			50	4.0	1.140	4.050	1.520	0.0016	0.0057	0.0021	-2.5 to 2.5	Pass

Band: 12 / Bandwidth: 10MHz / NTNV

Modulation	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset		(VDC)	LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	50	0	20	3.6	3.860	-1.170	-2.250	0.0055	-0.0017	-0.0032	-2.5 to 2.5	Pass
				4.0	3.950	-3.580	-2.850	0.0056	-0.0051	-0.0040	-2.5 to 2.5	Pass
				4.4	2.760	-0.660	-4.650	0.0039	-0.0009	-0.0065	-2.5 to 2.5	Pass

			-10	4.0	1.650	0.410	-5.450	0.0023	0.0006	-0.0077	-2.5 to 2.5	Pass
			0	4.0	0.790	-3.000	-4.320	0.0011	-0.0042	-0.0061	-2.5 to 2.5	Pass
			10	4.0	-1.4.00	1.590	-3.830	-0.0016	0.0022	-0.0054	-2.5 to 2.5	Pass
			30	4.0	-4.150	-2.980	1.690	-0.0059	-0.0042	0.0024	-2.5 to 2.5	Pass
			40	4.0	0.820	-1.790	-0.260	0.004.0	-0.0025	-0.0004	-2.5 to 2.5	Pass
			50	4.0	-0.970	0.990	-1.600	-0.0014	0.0014	-0.0023	-2.5 to 2.5	Pass
16QAM	50	0	-10	3.6	-4.060	-0.410	-0.200	-0.0058	-0.0006	-0.0003	-2.5 to 2.5	Pass
				4.0	-2.450	-4.420	0.540	-0.0035	-0.0062	0.0008	-2.5 to 2.5	Pass
				4.4	-3.020	-4.330	1.990	-0.0043	-0.0061	0.0028	-2.5 to 2.5	Pass
			0	4.0	-4.290	-3.820	1.460	-0.0061	-0.0054	0.0021	-2.5 to 2.5	Pass
				4.0	-3.320	-4.210	0.110	-0.0047	-0.0060	0.0002	-2.5 to 2.5	Pass
			10	4.0	-2.570	-5.160	0.390	-0.0037	-0.0073	0.0005	-2.5 to 2.5	Pass
			30	4.0	-0.430	1.070	-0.430	-0.0006	0.0015	-0.0006	-2.5 to 2.5	Pass
			40	4.0	-0.290	1.390	-3.150	-0.0004	0.0020	-0.0044	-2.5 to 2.5	Pass
			50	4.0	0.400	0.560	3.260	0.0006	0.0008	0.0046	-2.5 to 2.5	Pass
64QAM	50	0	-10	3.6	-4.130	-6.140	0.400	-0.0059	-0.0087	0.0006	-2.5 to 2.5	Pass
				4.0	1.330	-2.250	-0.900	0.0019	-0.0032	-0.0013	-2.5 to 2.5	Pass
				4.4	-1.260	0.370	-3.200	-0.0018	0.0005	-0.0045	-2.5 to 2.5	Pass
			0	4.0	-4.230	1.820	-2.060	-0.0060	0.0026	-0.0029	-2.5 to 2.5	Pass
				4.0	1.220	-4.360	-2.720	0.0017	-0.0062	-0.0038	-2.5 to 2.5	Pass
			10	4.0	-3.580	0.630	2.900	-0.0051	0.0009	0.0041	-2.5 to 2.5	Pass
			30	4.0	-4.330	-0.030	1.730	-0.0062	0.0000	0.0024	-2.5 to 2.5	Pass
			40	4.0	-0.240	0.160	0.110	-0.0003	0.0002	0.0002	-2.5 to 2.5	Pass
			50	4.0	-0.430	-5.090	0.460	-0.0006	-0.0072	0.0006	-2.5 to 2.5	Pass

1.4 LTE Band 13

1.4.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	25	0	20	3.6	-0.870	-0.140	-0.560	-0.0011	-0.0002	-0.0007	-2.5 to 2.5	Pass
				4.0	-0.970	1.670	-1.660	-0.004.0	0.0021	-0.0021	-2.5 to 2.5	Pass
				4.4	0.060	-1.890	-1.770	0.0001	-0.0024	-0.0023	-2.5 to 2.5	Pass
			-10	4.0	2.190	0.070	-3.820	0.0028	0.0001	-0.0049	-2.5 to 2.5	Pass
			0	4.0	-4.460	0.070	-2.000	-0.0057	0.0001	-0.0025	-2.5 to 2.5	Pass
			10	4.0	-2.530	-0.890	0.540	-0.0032	-0.0011	0.0007	-2.5 to 2.5	Pass
			30	4.0	3.520	1.060	-3.190	0.0045	0.0014	-0.0041	-2.5 to 2.5	Pass
			40	4.0	-1.830	1.100	-4.940	-0.0023	0.0014	-0.0063	-2.5 to 2.5	Pass
			50	4.0	1.850	-1.340	3.090	0.0024	-0.0017	0.0039	-2.5 to 2.5	Pass
16QAM	25	0	20	3.6	0.290	1.170	-0.340	0.0004	0.0015	-0.0004	-2.5 to 2.5	Pass
				4.0	-1.670	2.750	-3.350	-0.0021	0.0035	-0.0043	-2.5 to 2.5	Pass
				4.4	3.380	-1.500	-2.550	0.0043	-0.0019	-0.0033	-2.5 to 2.5	Pass
			-10	4.0	-4.510	-4.520	-5.840	-0.0058	-0.0058	-0.0074	-2.5 to 2.5	Pass
			0	4.0	-1.570	-2.390	-5.880	-0.0020	-0.0031	-0.0075	-2.5 to 2.5	Pass
			10	4.0	0.600	-4.480	-3.830	0.0008	-0.0057	-0.0049	-2.5 to 2.5	Pass
			30	4.0	-5.160	3.150	-4.490	-0.0066	0.0040	-0.0057	-2.5 to 2.5	Pass
			40	4.0	-3.220	2.560	1.440	-0.0041	0.0033	0.0018	-2.5 to 2.5	Pass
			50	4.0	-4.690	3.090	0.800	-0.0060	0.0040	0.0010	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	-0.800	0.440	4.150	-0.0010	0.0006	0.0053	-2.5 to 2.5	Pass

				4.0	-2.450	-2.100	2.360	-0.0031	-0.0027	0.0030	-2.5 to 2.5	Pass
				4.4	-3.360	2.630	1.850	-0.0043	0.0034	0.0024	-2.5 to 2.5	Pass
			-10	4.0	1.670	-2.070	-4.050	0.0021	-0.0026	-0.0052	-2.5 to 2.5	Pass
			0	4.0	-4.360	-0.140	-0.130	-0.0056	-0.0002	-0.0002	-2.5 to 2.5	Pass
			10	4.0	0.770	-0.530	-3.560	0.0010	-0.0007	-0.0045	-2.5 to 2.5	Pass
			30	4.0	-5.150	1.620	2.860	-0.0066	0.0021	0.0036	-2.5 to 2.5	Pass
			40	4.0	-0.660	2.150	2.920	-0.0008	0.0027	0.0037	-2.5 to 2.5	Pass
Band: 13 / Bandwidth: 10MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	50	0	20	3.6	/	2.220	/	/	0.0028	/	-2.5 to 2.5	Pass
				4.0	/	1.160	/	/	0.0015	/	-2.5 to 2.5	Pass
				4.4	/	-0.400	/	/	-0.0005	/	-2.5 to 2.5	Pass
			-10	4.0	/	-0.510	/	/	-0.0007	/	-2.5 to 2.5	Pass
			0	4.0	/	-2.500	/	/	-0.0032	/	-2.5 to 2.5	Pass
			10	4.0	/	-4.520	/	/	-0.0058	/	-2.5 to 2.5	Pass
			30	4.0	/	-0.640	/	/	-0.0008	/	-2.5 to 2.5	Pass
			40	4.0	/	0.820	/	/	0.0010	/	-2.5 to 2.5	Pass
			50	4.0	/	1.440	/	/	0.0018	/	-2.5 to 2.5	Pass
16QAM	50	0	20	3.6	/	1.230	/	/	0.0016	/	-2.5 to 2.5	Pass
				4.0	/	-2.630	/	/	-0.0034	/	-2.5 to 2.5	Pass
				4.4	/	-0.570	/	/	-0.0007	/	-2.5 to 2.5	Pass
			-10	4.0	/	-0.570	/	/	-0.0007	/	-2.5 to 2.5	Pass
			0	4.0	/	-3.500	/	/	-0.0045	/	-2.5 to 2.5	Pass
			10	4.0	/	-1.540	/	/	-0.0020	/	-2.5 to 2.5	Pass
			30	4.0	/	0.460	/	/	0.0006	/	-2.5 to 2.5	Pass
			40	4.0	/	2.600	/	/	0.0033	/	-2.5 to 2.5	Pass
			50	4.0	/	-2.350	/	/	-0.0030	/	-2.5 to 2.5	Pass
64QAM	50	0	20	3.6	/	0.760	/	/	0.0010	/	-2.5 to 2.5	Pass
				4.0	/	-3.790	/	/	-0.0048	/	-2.5 to 2.5	Pass
				4.4	/	-2.190	/	/	-0.0028	/	-2.5 to 2.5	Pass
			-10	4.0	/	1.470	/	/	0.0019	/	-2.5 to 2.5	Pass
			0	4.0	/	-2.170	/	/	-0.0028	/	-2.5 to 2.5	Pass
			10	4.0	/	-2.330	/	/	-0.0030	/	-2.5 to 2.5	Pass
			30	4.0	/	-1.430	/	/	-0.0018	/	-2.5 to 2.5	Pass
			40	4.0	/	-1.090	/	/	-0.0014	/	-2.5 to 2.5	Pass
			50	4.0	/	3.150	/	/	0.0040	/	-2.5 to 2.5	Pass

1.5 LTE Band 17

1.5.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	25	0	20	3.6	1.870	-4.450	-2.470	0.0026	-0.0063	-0.0035	-2.5 to 2.5	Pass
				4.0	-0.940	-0.490	-2.390	-0.0013	-0.0007	-0.0033	-2.5 to 2.5	Pass
				4.4	-0.090	2.650	-2.230	-0.0001	0.0037	-0.0031	-2.5 to 2.5	Pass
			-10	4.0	0.600	3.580	-3.680	0.0008	0.0050	-0.0052	-2.5 to 2.5	Pass
			0	4.0	-3.580	-2.330	2.450	-0.0051	-0.0033	0.0034	-2.5 to 2.5	Pass
			10	4.0	-5.220	-1.790	-0.300	-0.0074	-0.0025	-0.0004	-2.5 to 2.5	Pass

			30	4.0	1.900	-1.360	-3.720	0.0027	-0.0019	-0.0052	-2.5 to 2.5	Pass
			40	4.0	-0.690	-0.510	-3.160	-0.0010	-0.0007	-0.0044	-2.5 to 2.5	Pass
			50	4.0	-2.680	0.300	-3.560	-0.0038	0.0004	-0.0050	-2.5 to 2.5	Pass
16QAM	25	0	20	3.6	-4.290	-1.190	2.590	-0.0061	-0.0017	0.0036	-2.5 to 2.5	Pass
				4.0	-1.650	1.270	-3.550	-0.0023	0.0018	-0.0050	-2.5 to 2.5	Pass
				4.4	0.570	0.970	0.840	0.0008	0.0014	0.004.0	-2.5 to 2.5	Pass
			-10	4.0	-4.250	-4.460	2.250	-0.0060	-0.0063	0.0032	-2.5 to 2.5	Pass
			0	4.0	-3.380	-1.790	2.650	-0.0048	-0.0025	0.0037	-2.5 to 2.5	Pass
			10	4.0	1.240	-1.330	-4.280	0.0018	-0.0019	-0.0060	-2.5 to 2.5	Pass
			30	4.0	-3.150	-5.880	1.870	-0.0045	-0.0083	0.0026	-2.5 to 2.5	Pass
			40	4.0	-3.030	-5.480	1.530	-0.0043	-0.0077	0.0021	-2.5 to 2.5	Pass
			50	4.0	-4.860	-5.720	1.020	-0.0069	-0.0081	0.0014	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	1.530	4.260	-2.320	0.0022	0.0060	-0.0033	-2.5 to 2.5	Pass
				4.0	0.390	0.410	2.680	0.0006	0.0006	0.0038	-2.5 to 2.5	Pass
				4.4	-0.030	-1.430	2.360	0.0000	-0.0020	0.0033	-2.5 to 2.5	Pass
			-10	4.0	2.630	0.510	-0.270	0.0037	0.0007	-0.0004	-2.5 to 2.5	Pass
			0	4.0	-4.030	3.450	-0.130	-0.0057	0.0049	-0.0002	-2.5 to 2.5	Pass
			10	4.0	-2.370	0.110	-2.900	-0.0034	0.0002	-0.0041	-2.5 to 2.5	Pass
			30	4.0	1.570	-1.400	-1.800	0.0022	-0.0020	-0.0025	-2.5 to 2.5	Pass
			40	4.0	1.290	-1.230	1.340	0.0018	-0.0017	0.0019	-2.5 to 2.5	Pass

Band: 17 / Bandwidth: 10MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	50	0	20	3.6	-5.540	-5.210	-0.620	-0.0078	-0.0073	-0.0009	-2.5 to 2.5	Pass
				4.0	-2.270	-5.060	-2.460	-0.0032	-0.0071	-0.0035	-2.5 to 2.5	Pass
				4.4	-2.190	-4.960	-2.760	-0.0031	-0.0070	-0.0039	-2.5 to 2.5	Pass
			-10	4.0	-3.4.00	-0.210	2.680	-0.0044	-0.0003	0.0038	-2.5 to 2.5	Pass
			0	4.0	-6.780	0.470	3.290	-0.0096	0.0007	0.0046	-2.5 to 2.5	Pass
			10	4.0	-2.420	-5.160	0.410	-0.0034	-0.0073	0.0006	-2.5 to 2.5	Pass
			30	4.0	-2.660	1.560	1.630	-0.0038	0.0022	0.0023	-2.5 to 2.5	Pass
			40	4.0	-4.620	0.900	1.490	-0.0065	0.0013	0.0021	-2.5 to 2.5	Pass
			50	4.0	-6.250	-1.520	-0.840	-0.0088	-0.0021	-0.004.0	-2.5 to 2.5	Pass
16QAM	50	0	20	3.6	-3.890	-5.950	-0.500	-0.0055	-0.0084	-0.0007	-2.5 to 2.5	Pass
				4.0	-1.340	-4.710	-2.200	-0.0019	-0.0066	-0.0031	-2.5 to 2.5	Pass
				4.4	-0.900	-5.150	0.690	-0.0013	-0.0073	0.0010	-2.5 to 2.5	Pass
			-10	4.0	-1.020	-5.550	-4.350	-0.0014	-0.0078	-0.0061	-2.5 to 2.5	Pass
			0	4.0	-7.800	-5.760	-4.520	-0.0110	-0.0081	-0.0064	-2.5 to 2.5	Pass
			10	4.0	-8.550	-2.500	-3.950	-0.04.01	-0.0035	-0.0056	-2.5 to 2.5	Pass
			30	4.0	-3.920	1.340	-4.750	-0.0055	0.0019	-0.0067	-2.5 to 2.5	Pass
			40	4.0	-2.260	1.040	-2.160	-0.0032	0.0015	-0.0030	-2.5 to 2.5	Pass
			50	4.0	-5.010	-1.490	-0.740	-0.0071	-0.0021	-0.0010	-2.5 to 2.5	Pass
64QAM	50	0	20	3.6	-2.800	-0.690	-1.970	-0.0039	-0.0010	-0.0028	-2.5 to 2.5	Pass
				4.0	-5.290	0.730	-3.030	-0.0075	0.0010	-0.0043	-2.5 to 2.5	Pass
				4.4	0.070	-0.410	-2.020	0.0001	-0.0006	-0.0028	-2.5 to 2.5	Pass
			-10	4.0	-1.390	0.600	-1.060	-0.0020	0.0008	-0.0015	-2.5 to 2.5	Pass
			0	4.0	-3.330	-2.680	-1.400	-0.0047	-0.0038	-0.0020	-2.5 to 2.5	Pass
			10	4.0	-1.920	-4.530	2.650	-0.0027	-0.0064	0.0037	-2.5 to 2.5	Pass
			30	4.0	-0.010	-5.010	3.390	0.0000	-0.0071	0.0048	-2.5 to 2.5	Pass
			40	4.0	-0.660	-4.290	-5.040	-0.0009	-0.0060	-0.0071	-2.5 to 2.5	Pass
			50	4.0	-2.460	-4.330	-3.450	-0.0035	-0.0061	-0.0049	-2.5 to 2.5	Pass

1.6 LTE Band 66

1.6.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	6	0	20	3.6	-18.470	-15.960	5.610	-0.0108	-0.0091	0.0032	-2.5 to 2.5	Pass
				4.0	-15.510	-19.070	17.780	-0.0091	-0.0109	0.0100	-2.5 to 2.5	Pass
				4.4	-13.480	-22.890	14.480	-0.0079	-0.0131	0.0081	-2.5 to 2.5	Pass
			-10	4.0	-16.310	-10.390	7.900	-0.0095	-0.0060	0.0044	-2.5 to 2.5	Pass
			0	4.0	-17.440	-7.050	16.650	-0.0102	-0.0040	0.0094	-2.5 to 2.5	Pass
			10	4.0	-20.310	-8.180	15.250	-0.0119	-0.0047	0.0086	-2.5 to 2.5	Pass
			30	4.0	-22.520	-9.410	11.620	-0.0132	-0.0054	0.0065	-2.5 to 2.5	Pass
			40	4.0	-25.960	-8.550	7.750	-0.0152	-0.0049	0.0044	-2.5 to 2.5	Pass
			50	4.0	-15.860	-7.940	8.170	-0.0093	-0.0046	0.0046	-2.5 to 2.5	Pass
16QAM	6	0	20	3.6	0.360	4.630	2.720	0.0002	0.0027	0.0015	-2.5 to 2.5	Pass
				4.0	3.150	5.390	3.590	0.0018	0.0031	0.0020	-2.5 to 2.5	Pass
				4.4	5.510	3.320	4.080	0.0032	0.0019	0.0023	-2.5 to 2.5	Pass
			-10	4.0	-9.030	1.590	3.300	-0.0053	0.0009	0.0019	-2.5 to 2.5	Pass
			0	4.0	-5.390	0.840	1.900	-0.0032	0.0005	0.0011	-2.5 to 2.5	Pass
			10	4.0	-4.060	2.320	2.850	-0.0024	0.0013	0.0016	-2.5 to 2.5	Pass
			30	4.0	-0.960	4.980	1.920	-0.0006	0.0029	0.0011	-2.5 to 2.5	Pass
			40	4.0	-1.750	6.290	4.020	-0.0010	0.0036	0.0023	-2.5 to 2.5	Pass
			50	4.0	-5.820	-9.480	4.420	-0.0034	-0.0054	0.0025	-2.5 to 2.5	Pass
64QAM	6	0	20	3.6	17.700	-15.750	9.800	0.0103	-0.0090	0.0055	-2.5 to 2.5	Pass
				4.0	11.540	-22.700	7.710	0.0067	-0.0130	0.0043	-2.5 to 2.5	Pass
				4.4	8.040	-23.000	6.710	0.0047	-0.0132	0.0038	-2.5 to 2.5	Pass
			-10	4.0	14.150	-16.440	5.820	0.0083	-0.0094	0.0033	-2.5 to 2.5	Pass
			0	4.0	10.990	-23.150	5.380	0.0064	-0.0133	0.0030	-2.5 to 2.5	Pass
			10	4.0	2.250	-15.540	6.010	0.0013	-0.0089	0.0034	-2.5 to 2.5	Pass
			30	4.0	14.960	-20.080	4.880	0.0087	-0.0115	0.0027	-2.5 to 2.5	Pass
			40	4.0	7.740	-26.480	-1.320	0.0045	-0.0152	-0.0007	-2.5 to 2.5	Pass
			50	4.0	9.170	-11.860	-4.030	0.0054	-0.0068	-0.0023	-2.5 to 2.5	Pass
Band: 66 / Bandwidth: 3MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	15	0	20	3.6	-8.310	-0.390	4.660	-0.0049	-0.0002	0.0026	-2.5 to 2.5	Pass
				4.0	-8.570	8.410	1.030	-0.0050	0.0048	0.0006	-2.5 to 2.5	Pass
				4.4	-8.130	8.330	0.800	-0.0048	0.0048	0.0004	-2.5 to 2.5	Pass
			-10	4.0	-8.440	5.850	0.730	-0.0049	0.0034	0.0004	-2.5 to 2.5	Pass
			0	4.0	-8.630	-1.920	2.130	-0.0050	-0.0011	0.004.0	-2.5 to 2.5	Pass
			10	4.0	-10.300	-5.760	2.930	-0.0060	-0.0033	0.0016	-2.5 to 2.5	Pass
			30	4.0	-8.410	-2.560	1.950	-0.0049	-0.0015	0.0011	-2.5 to 2.5	Pass
			40	4.0	-4.880	-1.720	-0.470	-0.0029	-0.0010	-0.0003	-2.5 to 2.5	Pass
			50	4.0	-2.060	-2.160	-2.450	-0.004.0	-0.004.0	-0.0014	-2.5 to 2.5	Pass
16QAM	15	0	20	3.6	-8.480	1.960	-6.410	-0.0050	0.0011	-0.0036	-2.5 to 2.5	Pass
				4.0	-4.610	4.160	-8.250	-0.0027	0.0024	-0.0046	-2.5 to 2.5	Pass
				4.4	-3.020	2.030	-5.880	-0.0018	0.004.0	-0.0033	-2.5 to 2.5	Pass
			-10	4.0	-9.180	-7.770	-5.080	-0.0054	-0.0045	-0.0029	-2.5 to 2.5	Pass
			0	4.0	-11.940	-3.730	-4.480	-0.0070	-0.0021	-0.0025	-2.5 to 2.5	Pass
			10	4.0	-7.240	-0.330	-6.480	-0.0042	-0.0002	-0.0036	-2.5 to 2.5	Pass

			30	4.0	-2.760	1.160	-8.030	-0.0016	0.0007	-0.0045	-2.5 to 2.5	Pass
			40	4.0	-1.950	2.030	-7.040	-0.0011	0.004.0	-0.0040	-2.5 to 2.5	Pass
			50	4.0	-1.540	3.620	-4.210	-0.0009	0.0021	-0.0024	-2.5 to 2.5	Pass
64QAM	15	0	20	3.6	-8.640	1.320	6.090	-0.0050	0.0008	0.0034	-2.5 to 2.5	Pass
				4.0	-10.370	2.130	4.720	-0.0061	0.004.0	0.0027	-2.5 to 2.5	Pass
				4.4	-4.0.830	3.890	3.990	-0.0075	0.0022	0.0022	-2.5 to 2.5	Pass
			-10	4.0	-13.100	3.330	1.160	-0.0077	0.0019	0.0007	-2.5 to 2.5	Pass
			0	4.0	-14.030	2.020	-2.030	-0.0082	0.004.0	-0.0011	-2.5 to 2.5	Pass
			10	4.0	-14.760	0.360	-2.800	-0.0086	0.0002	-0.0016	-2.5 to 2.5	Pass
			30	4.0	-10.040	-2.850	-4.750	-0.0059	-0.0016	-0.0027	-2.5 to 2.5	Pass
			40	4.0	-6.110	-3.680	7.820	-0.0036	-0.0021	0.0044	-2.5 to 2.5	Pass
			50	4.0	-0.090	-6.750	8.500	-0.0001	-0.0039	0.0048	-2.5 to 2.5	Pass

Band: 66 / Bandwidth: 5MHz / NTNV

Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	25	0	20	3.6	-2.490	-6.210	0.500	-0.0015	-0.0036	0.0003	-2.5 to 2.5	Pass
				4.0	-2.930	-7.320	3.4.00	-0.0017	-0.0042	0.0018	-2.5 to 2.5	Pass
				4.4	-4.820	-0.530	3.220	-0.0028	-0.0003	0.0018	-2.5 to 2.5	Pass
			-10	4.0	-7.940	-2.250	-0.170	-0.0046	-0.0013	-0.0001	-2.5 to 2.5	Pass
			0	4.0	-7.140	-7.4.00	-6.350	-0.0042	-0.0041	-0.0036	-2.5 to 2.5	Pass
			10	4.0	-9.000	-3.260	5.480	-0.0053	-0.0019	0.0031	-2.5 to 2.5	Pass
			30	4.0	-6.390	3.720	1.760	-0.0037	0.0021	0.0010	-2.5 to 2.5	Pass
			40	4.0	-5.790	-7.020	-2.290	-0.0034	-0.0040	-0.0013	-2.5 to 2.5	Pass
			50	4.0	-9.100	-6.650	0.130	-0.0053	-0.0038	0.0001	-2.5 to 2.5	Pass
16QAM	25	0	20	3.6	-1.490	7.220	2.220	-0.0009	0.0041	0.004.0	-2.5 to 2.5	Pass
				4.0	-3.320	7.180	-1.850	-0.0019	0.0041	-0.0010	-2.5 to 2.5	Pass
				4.4	-16.640	-6.140	-5.660	-0.0097	-0.0035	-0.0032	-2.5 to 2.5	Pass
			-10	4.0	-13.230	-2.390	-7.040	-0.0077	-0.0014	-0.0040	-2.5 to 2.5	Pass
			0	4.0	-13.420	2.130	-4.910	-0.0078	0.004.0	-0.0028	-2.5 to 2.5	Pass
			10	4.0	-13.660	4.920	-3.380	-0.0080	0.0028	-0.0019	-2.5 to 2.5	Pass
			30	4.0	-14.590	5.260	-3.550	-0.0085	0.0030	-0.0020	-2.5 to 2.5	Pass
			40	4.0	-14.710	4.4.00	-5.280	-0.0086	0.0024	-0.0030	-2.5 to 2.5	Pass
			50	4.0	-13.730	5.280	-4.430	-0.0080	0.0030	-0.0025	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	-4.0.130	-4.680	2.020	-0.0071	-0.0027	0.0011	-2.5 to 2.5	Pass
				4.0	-14.330	-4.580	4.290	-0.0084	-0.0026	0.0024	-2.5 to 2.5	Pass
				4.4	-15.980	-4.910	2.570	-0.0093	-0.0028	0.0014	-2.5 to 2.5	Pass
			-10	4.0	-17.900	-5.390	1.430	-0.0105	-0.0031	0.0008	-2.5 to 2.5	Pass
			0	4.0	-3.850	-4.590	-0.310	-0.0022	-0.0026	-0.0002	-2.5 to 2.5	Pass
			10	4.0	-0.740	-4.610	-1.950	-0.0004	-0.0026	-0.0011	-2.5 to 2.5	Pass
			30	4.0	-1.750	-6.840	-2.530	-0.0010	-0.0039	-0.0014	-2.5 to 2.5	Pass
			40	4.0	-2.880	2.170	-2.160	-0.0017	0.004.0	-0.004.0	-2.5 to 2.5	Pass
			50	4.0	-4.180	6.870	-0.700	-0.0024	0.0039	-0.0004	-2.5 to 2.5	Pass

Band: 66 / Bandwidth: 10MHz / NTNV

Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	50	0	20	3.6	-9.070	-3.130	6.550	-0.0053	-0.0018	0.0037	-2.5 to 2.5	Pass
				4.0	4.690	-4.840	1.930	0.0027	-0.0028	0.0011	-2.5 to 2.5	Pass
				4.4	3.790	-4.860	1.060	0.0022	-0.0028	0.0006	-2.5 to 2.5	Pass
			-10	4.0	1.820	-4.320	0.060	0.0011	-0.0025	0.0000	-2.5 to 2.5	Pass
			0	4.0	-0.430	-4.420	1.140	-0.0003	-0.0025	0.0006	-2.5 to 2.5	Pass
			10	4.0	-3.860	-3.280	1.560	-0.0023	-0.0019	0.0009	-2.5 to 2.5	Pass
			30	4.0	-4.920	-2.730	-0.670	-0.0029	-0.0016	-0.0004	-2.5 to 2.5	Pass
			40	4.0	-4.720	-1.770	-5.460	-0.0028	-0.0010	-0.0031	-2.5 to 2.5	Pass

			50	4.0	-6.010	-1.220	-6.340	-0.0035	-0.0007	-0.0036	-2.5 to 2.5	Pass
16QAM	50	0	20	3.6	3.500	1.170	-1.370	0.0020	0.0007	-0.0008	-2.5 to 2.5	Pass
				4.0	3.910	4.950	-1.540	0.0023	0.0028	-0.0009	-2.5 to 2.5	Pass
				4.4	4.730	4.150	-1.240	0.0028	0.0024	-0.0007	-2.5 to 2.5	Pass
			-10	4.0	4.350	4.250	-0.240	0.0025	0.0024	-0.0001	-2.5 to 2.5	Pass
			0	4.0	6.050	6.110	2.520	0.0035	0.0035	0.0014	-2.5 to 2.5	Pass
			10	4.0	4.220	6.110	3.950	0.0025	0.0035	0.0022	-2.5 to 2.5	Pass
			30	4.0	3.420	5.580	5.610	0.0020	0.0032	0.0032	-2.5 to 2.5	Pass
			40	4.0	6.070	5.780	6.610	0.0035	0.0033	0.0037	-2.5 to 2.5	Pass
			50	4.0	5.640	-0.200	7.850	0.0033	-0.0001	0.0044	-2.5 to 2.5	Pass
64QAM	50	0	20	3.6	3.390	2.460	-6.110	0.0020	0.0014	-0.0034	-2.5 to 2.5	Pass
				4.0	2.690	2.800	-7.970	0.0016	0.0016	-0.0045	-2.5 to 2.5	Pass
				4.4	0.630	5.410	-8.180	0.0004	0.0031	-0.0046	-2.5 to 2.5	Pass
			-10	4.0	-1.240	-4.060	-9.610	-0.0007	-0.0023	-0.0054	-2.5 to 2.5	Pass
			0	4.0	-1.500	0.800	-10.130	-0.0009	0.0005	-0.0057	-2.5 to 2.5	Pass
			10	4.0	-1.530	2.270	4.280	-0.0009	0.0013	0.0024	-2.5 to 2.5	Pass
			30	4.0	-0.130	4.290	5.710	-0.0001	0.0025	0.0032	-2.5 to 2.5	Pass
			40	4.0	3.180	5.850	5.650	0.0019	0.0034	0.0032	-2.5 to 2.5	Pass
			50	4.0	3.020	6.880	1.270	0.0018	0.0039	0.0007	-2.5 to 2.5	Pass

Band: 66 / Bandwidth: 15MHz / NTNV

Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	75	0	20	3.6	3.380	3.490	0.820	0.0020	0.0020	0.0005	-2.5 to 2.5	Pass
				4.0	2.530	0.690	-0.270	0.0015	0.0004	-0.0002	-2.5 to 2.5	Pass
				4.4	1.820	-1.820	-2.430	0.0011	-0.0010	-0.0014	-2.5 to 2.5	Pass
			-10	4.0	0.570	-6.820	-5.920	0.0003	-0.0039	-0.0033	-2.5 to 2.5	Pass
			0	4.0	-2.750	1.870	-3.560	-0.0016	0.0011	-0.0020	-2.5 to 2.5	Pass
			10	4.0	-2.730	3.050	4.520	-0.0016	0.0017	0.0026	-2.5 to 2.5	Pass
			30	4.0	-5.010	-1.490	-0.790	-0.0029	-0.0009	-0.0004	-2.5 to 2.5	Pass
			40	4.0	-3.500	-7.150	-6.340	-0.0020	-0.0041	-0.0036	-2.5 to 2.5	Pass
			50	4.0	0.290	-9.560	5.520	0.0002	-0.0055	0.0031	-2.5 to 2.5	Pass
16QAM	75	0	20	3.6	-7.580	-0.160	7.100	-0.0044	-0.0001	0.0040	-2.5 to 2.5	Pass
				4.0	-7.580	-2.430	5.520	-0.0044	-0.0014	0.0031	-2.5 to 2.5	Pass
				4.4	-5.950	-6.920	3.990	-0.0035	-0.0040	0.0023	-2.5 to 2.5	Pass
			-10	4.0	-5.740	-8.110	-6.450	-0.0033	-0.0046	-0.0036	-2.5 to 2.5	Pass
			0	4.0	-6.590	-7.800	-7.050	-0.0038	-0.0045	-0.0040	-2.5 to 2.5	Pass
			10	4.0	-1.790	-6.680	0.700	-0.0010	-0.0038	0.0004	-2.5 to 2.5	Pass
			30	4.0	2.230	-7.520	4.720	0.0013	-0.0043	0.0027	-2.5 to 2.5	Pass
			40	4.0	-0.190	-7.880	6.4.00	-0.0001	-0.0045	0.0035	-2.5 to 2.5	Pass
			50	4.0	-6.750	-8.810	7.240	-0.0039	-0.0050	0.0041	-2.5 to 2.5	Pass
64QAM	75	0	20	3.6	-6.050	6.250	-1.200	-0.0035	0.0036	-0.0007	-2.5 to 2.5	Pass
				4.0	-5.870	6.390	-2.260	-0.0034	0.0037	-0.0013	-2.5 to 2.5	Pass
				4.4	-5.440	2.320	-8.900	-0.0032	0.0013	-0.0050	-2.5 to 2.5	Pass
			-10	4.0	-4.160	0.110	3.880	-0.0024	0.0001	0.0022	-2.5 to 2.5	Pass
			0	4.0	-3.920	-3.430	0.390	-0.0023	-0.0020	0.0002	-2.5 to 2.5	Pass
			10	4.0	-1.470	-8.650	-1.750	-0.0009	-0.0050	-0.0010	-2.5 to 2.5	Pass
			30	4.0	3.130	-10.030	-4.880	0.0018	-0.0057	-0.0028	-2.5 to 2.5	Pass
			40	4.0	1.070	0.720	-6.950	0.0006	0.0004	-0.0039	-2.5 to 2.5	Pass
			50	4.0	4.280	-1.140	-7.420	0.0025	-0.0007	-0.0042	-2.5 to 2.5	Pass

Band: 66 / Bandwidth: 20MHz / NTNV

Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	100	0	20	3.6	-10.340	-8.630	-10.970	-0.0060	-0.0049	-0.0062	-2.5 to 2.5	Pass

				4.0	-0.500	-8.070	-2.700	-0.0003	-0.0046	-0.0015	-2.5 to 2.5	Pass
				4.4	1.470	5.520	-8.850	0.0009	0.0032	-0.0050	-2.5 to 2.5	Pass
			-10	4.0	5.340	1.870	-5.690	0.0031	0.0011	-0.0032	-2.5 to 2.5	Pass
			0	4.0	1.630	2.350	-9.360	0.0009	0.0013	-0.0053	-2.5 to 2.5	Pass
			10	4.0	-2.460	-2.370	-4.0.350	-0.0014	-0.0014	-0.0070	-2.5 to 2.5	Pass
			30	4.0	-3.260	4.530	-6.250	-0.0019	0.0026	-0.0035	-2.5 to 2.5	Pass
			40	4.0	-0.530	-3.430	-4.490	-0.0003	-0.0020	-0.0025	-2.5 to 2.5	Pass
			50	4.0	2.800	-6.510	-7.850	0.0016	-0.0037	-0.0044	-2.5 to 2.5	Pass
16QAM	100	0	20	3.6	3.560	5.740	-7.070	0.0021	0.0033	-0.0040	-2.5 to 2.5	Pass
				4.0	7.170	-1.590	-1.520	0.0042	-0.0009	-0.0009	-2.5 to 2.5	Pass
				4.4	-8.040	-7.140	-13.360	-0.0047	-0.0041	-0.0075	-2.5 to 2.5	Pass
			-10	4.0	-4.330	3.550	-11.490	-0.0025	0.0020	-0.0065	-2.5 to 2.5	Pass
			0	4.0	2.720	0.820	-9.730	0.0016	0.0005	-0.0055	-2.5 to 2.5	Pass
			10	4.0	-1.290	1.830	-7.550	-0.0008	0.0010	-0.0043	-2.5 to 2.5	Pass
			30	4.0	-0.970	0.870	-7.970	-0.0006	0.0005	-0.0045	-2.5 to 2.5	Pass
			40	4.0	2.920	-2.170	-9.230	0.0017	-0.004.0	-0.0052	-2.5 to 2.5	Pass
			50	4.0	0.230	1.240	-7.010	0.0001	0.0007	-0.0040	-2.5 to 2.5	Pass
64QAM	100	0	20	3.6	-5.580	-3.590	-8.050	-0.0032	-0.0021	-0.0045	-2.5 to 2.5	Pass
				4.0	3.490	-4.060	-14.290	0.0020	-0.0023	-0.0081	-2.5 to 2.5	Pass
				4.4	-1.530	5.910	-1.290	-0.0009	0.0034	-0.0007	-2.5 to 2.5	Pass
			-10	4.0	-6.250	1.860	-6.770	-0.0036	0.0011	-0.0038	-2.5 to 2.5	Pass
			0	4.0	-3.920	-2.900	-4.0.450	-0.0023	-0.0017	-0.0070	-2.5 to 2.5	Pass
			10	4.0	4.620	-5.820	-17.310	0.0027	-0.0033	-0.0098	-2.5 to 2.5	Pass
			30	4.0	2.160	-6.650	-2.880	0.0013	-0.0038	-0.0016	-2.5 to 2.5	Pass
			40	4.0	1.060	5.690	-5.520	0.0006	0.0033	-0.0031	-2.5 to 2.5	Pass
			50	4.0	-4.790	3.930	-8.710	-0.0028	0.0023	-0.0049	-2.5 to 2.5	Pass

1.7 LTE Band 71

1.7.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	25	0	20	3.6	0.400	2.230	-0.490	0.0006	0.0033	-0.0007	-2.5 to 2.5	Pass
				4.0	0.040	1.520	0.170	0.0001	0.0022	0.0002	-2.5 to 2.5	Pass
				4.4	-0.100	2.250	0.590	-0.0002	0.0033	0.0008	-2.5 to 2.5	Pass
			-10	4.0	-0.310	0.540	-0.830	-0.0005	0.0008	-0.004.0	-2.5 to 2.5	Pass
			0	4.0	-0.330	0.740	-1.540	-0.0005	0.0011	-0.0022	-2.5 to 2.5	Pass
			10	4.0	1.270	1.220	-1.070	0.0019	0.0018	-0.0015	-2.5 to 2.5	Pass
			30	4.0	0.890	1.020	-0.840	0.0013	0.0015	-0.004.0	-2.5 to 2.5	Pass
			40	4.0	0.830	2.460	0.990	0.004.0	0.0036	0.0014	-2.5 to 2.5	Pass
			50	4.0	1.760	1.900	0.500	0.0026	0.0028	0.0007	-2.5 to 2.5	Pass
16QAM	25	0	20	3.6	-0.990	0.900	1.920	-0.0015	0.0013	0.0028	-2.5 to 2.5	Pass
				4.0	1.320	-0.160	1.850	0.0020	-0.0002	0.0027	-2.5 to 2.5	Pass
				4.4	-0.270	-1.000	0.700	-0.0004	-0.0015	0.0010	-2.5 to 2.5	Pass
			-10	4.0	-1.090	-1.970	1.630	-0.0016	-0.0029	0.0023	-2.5 to 2.5	Pass
			0	4.0	0.190	-0.040	2.150	0.0003	-0.0001	0.0031	-2.5 to 2.5	Pass
			10	4.0	-0.820	-0.270	2.990	-0.004.0	-0.0004	0.0043	-2.5 to 2.5	Pass
			30	4.0	-0.060	-1.390	3.020	-0.0001	-0.0020	0.0043	-2.5 to 2.5	Pass
			40	4.0	-0.730	-1.970	1.720	-0.0011	-0.0029	0.0025	-2.5 to 2.5	Pass

			50	4.0	-0.530	-1.460	1.690	-0.0008	-0.0021	0.0024	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	2.260	-1.460	0.890	0.0034	-0.0021	0.0013	-2.5 to 2.5	Pass
				4.0	1.260	-1.900	0.870	0.0019	-0.0028	0.0013	-2.5 to 2.5	Pass
				4.4	0.960	-3.060	0.860	0.0014	-0.0045	0.004.0	-2.5 to 2.5	Pass
			-10	4.0	1.670	-1.960	0.510	0.0025	-0.0029	0.0007	-2.5 to 2.5	Pass
			0	4.0	0.930	-0.200	0.310	0.0014	-0.0003	0.0004	-2.5 to 2.5	Pass
			10	4.0	2.030	-1.020	-0.100	0.0031	-0.0015	-0.0001	-2.5 to 2.5	Pass
			30	4.0	2.100	-1.620	-0.090	0.0032	-0.0024	-0.0001	-2.5 to 2.5	Pass
Band: 71 / Bandwidth: 10MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	50	0	20	3.6	0.860	-0.200	0.300	0.0013	-0.0003	0.0004	-2.5 to 2.5	Pass
				4.0	0.800	1.730	-0.370	0.004.0	0.0025	-0.0005	-2.5 to 2.5	Pass
				4.4	-1.090	0.960	0.530	-0.0016	0.0014	0.0008	-2.5 to 2.5	Pass
			-10	4.0	0.010	0.440	0.900	0.0000	0.0006	0.0013	-2.5 to 2.5	Pass
			0	4.0	1.670	0.260	1.4.00	0.0025	0.0004	0.0016	-2.5 to 2.5	Pass
			10	4.0	0.630	0.160	0.490	0.0009	0.0002	0.0007	-2.5 to 2.5	Pass
			30	4.0	-1.160	0.200	-0.640	-0.0017	0.0003	-0.0009	-2.5 to 2.5	Pass
			40	4.0	-1.370	1.500	-0.720	-0.0021	0.0022	-0.0010	-2.5 to 2.5	Pass
			50	4.0	-0.100	1.020	-1.020	-0.0001	0.0015	-0.0015	-2.5 to 2.5	Pass
16QAM	50	0	20	3.6	-0.940	-0.790	-0.700	-0.0014	-0.004.0	-0.0010	-2.5 to 2.5	Pass
				4.0	0.800	0.210	-0.970	0.004.0	0.0003	-0.0014	-2.5 to 2.5	Pass
				4.4	-0.430	0.300	-0.540	-0.0006	0.0004	-0.0008	-2.5 to 2.5	Pass
			-10	4.0	-0.830	-0.110	-1.930	-0.004.0	-0.0002	-0.0028	-2.5 to 2.5	Pass
			0	4.0	-1.270	-0.670	-2.270	-0.0019	-0.0010	-0.0033	-2.5 to 2.5	Pass
			10	4.0	-1.320	-1.600	-1.060	-0.0020	-0.0024	-0.0015	-2.5 to 2.5	Pass
			30	4.0	0.190	-2.160	-0.460	0.0003	-0.0032	-0.0007	-2.5 to 2.5	Pass
			40	4.0	-0.130	-1.240	-0.270	-0.0002	-0.0018	-0.0004	-2.5 to 2.5	Pass
			50	4.0	-0.300	-1.630	-0.310	-0.0004	-0.0024	-0.0004	-2.5 to 2.5	Pass
64QAM	50	0	20	3.6	-0.470	0.940	-1.530	-0.0007	0.0014	-0.0022	-2.5 to 2.5	Pass
				4.0	-0.460	1.430	-1.800	-0.0007	0.0021	-0.0026	-2.5 to 2.5	Pass
				4.4	-0.870	2.150	-1.290	-0.0013	0.0032	-0.0019	-2.5 to 2.5	Pass
			-10	4.0	0.210	1.770	0.010	0.0003	0.0026	0.0000	-2.5 to 2.5	Pass
			0	4.0	0.190	1.830	0.500	0.0003	0.0027	0.0007	-2.5 to 2.5	Pass
			10	4.0	0.720	1.760	0.470	0.0011	0.0026	0.0007	-2.5 to 2.5	Pass
			30	4.0	1.430	0.670	0.100	0.0021	0.0010	0.0001	-2.5 to 2.5	Pass
			40	4.0	0.740	-0.030	-0.060	0.0011	0.0000	-0.0001	-2.5 to 2.5	Pass
			50	4.0	0.240	-0.090	-0.860	0.0004	-0.0001	-0.004.0	-2.5 to 2.5	Pass
Band: 71 / Bandwidth: 15MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	75	0	20	3.6	-0.140	-0.560	0.860	-0.0002	-0.0008	0.004.0	-2.5 to 2.5	Pass
				4.0	-1.030	-1.830	-0.290	-0.0015	-0.0027	-0.0004	-2.5 to 2.5	Pass
				4.4	0.200	-0.600	0.010	0.0003	-0.0009	0.0000	-2.5 to 2.5	Pass
			-10	4.0	-0.690	-0.510	0.590	-0.0010	-0.0007	0.0009	-2.5 to 2.5	Pass
			0	4.0	-0.100	0.170	0.270	-0.0001	0.0002	0.0004	-2.5 to 2.5	Pass
			10	4.0	-0.130	-0.240	-0.600	-0.0002	-0.0004	-0.0009	-2.5 to 2.5	Pass
			30	4.0	-1.660	-0.010	-0.060	-0.0025	0.0000	-0.0001	-2.5 to 2.5	Pass
			40	4.0	-0.590	-0.370	0.230	-0.0009	-0.0005	0.0003	-2.5 to 2.5	Pass
			50	4.0	-1.420	-0.040	-0.340	-0.0021	-0.0001	-0.0005	-2.5 to 2.5	Pass
16QAM	75	0	20	3.6	-1.160	-0.140	-1.490	-0.0017	-0.0002	-0.0022	-2.5 to 2.5	Pass
				4.0	-1.190	-0.870	0.510	-0.0018	-0.0013	0.0007	-2.5 to 2.5	Pass
				4.4	-2.130	-1.170	0.030	-0.0032	-0.0017	0.0000	-2.5 to 2.5	Pass

			-10	4.0	-3.050	0.010	0.400	-0.0045	0.0000	0.0006	-2.5 to 2.5	Pass
			0	4.0	-3.350	0.060	0.490	-0.0050	0.0001	0.0007	-2.5 to 2.5	Pass
			10	4.0	-2.960	0.790	-0.940	-0.0044	0.004.0	-0.0014	-2.5 to 2.5	Pass
			30	4.0	-3.130	-0.860	-1.240	-0.0047	-0.0013	-0.0018	-2.5 to 2.5	Pass
			40	4.0	-3.090	-1.720	0.860	-0.0046	-0.0025	0.004.0	-2.5 to 2.5	Pass
			50	4.0	-2.430	-1.070	-1.760	-0.0036	-0.0016	-0.0025	-2.5 to 2.5	Pass
64QAM	75	0	20	3.6	-0.960	-1.700	-0.630	-0.0014	-0.0025	-0.0009	-2.5 to 2.5	Pass
				4.0	-1.270	-1.040	-0.560	-0.0019	-0.0015	-0.0008	-2.5 to 2.5	Pass
				4.4	-1.930	-0.640	-1.200	-0.0029	-0.0009	-0.0017	-2.5 to 2.5	Pass
			-10	4.0	-0.560	-0.240	-1.970	-0.0008	-0.0004	-0.0029	-2.5 to 2.5	Pass
			0	4.0	0.170	0.560	-1.060	0.0003	0.0008	-0.0015	-2.5 to 2.5	Pass
			10	4.0	-0.640	0.210	-1.300	-0.0010	0.0003	-0.0019	-2.5 to 2.5	Pass
			30	4.0	-1.4.00	-0.210	-0.530	-0.0017	-0.0003	-0.0008	-2.5 to 2.5	Pass
			40	4.0	0.260	-0.190	-2.020	0.0004	-0.0003	-0.0029	-2.5 to 2.5	Pass
			50	4.0	-0.410	-0.440	-0.800	-0.0006	-0.0006	-0.004.0	-2.5 to 2.5	Pass

Band: 71 / Bandwidth: 20MHz / NTNV

Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	100	0	20	3.6	0.540	-1.270	-2.450	0.0008	-0.0019	-0.0036	-2.5 to 2.5	Pass
				4.0	-2.060	-0.600	-2.690	-0.0031	-0.0009	-0.0039	-2.5 to 2.5	Pass
				4.4	-0.530	-1.200	-1.460	-0.0008	-0.0018	-0.0021	-2.5 to 2.5	Pass
			-10	4.0	-0.300	-1.290	-2.880	-0.0004	-0.0019	-0.0042	-2.5 to 2.5	Pass
			0	4.0	-2.030	-0.530	-2.330	-0.0030	-0.0008	-0.0034	-2.5 to 2.5	Pass
			10	4.0	0.390	-0.720	-2.550	0.0006	-0.0011	-0.0037	-2.5 to 2.5	Pass
			30	4.0	-0.640	-1.060	-1.790	-0.0010	-0.0016	-0.0026	-2.5 to 2.5	Pass
			40	4.0	-0.960	-0.210	-1.040	-0.0014	-0.0003	-0.0015	-2.5 to 2.5	Pass
			50	4.0	-1.190	0.100	-1.030	-0.0018	0.0001	-0.0015	-2.5 to 2.5	Pass
16QAM	100	0	20	3.6	0.460	-0.440	-0.160	0.0007	-0.0006	-0.0002	-2.5 to 2.5	Pass
				4.0	-0.720	-1.390	-0.060	-0.0011	-0.0020	-0.0001	-2.5 to 2.5	Pass
				4.4	-0.160	0.140	-0.040	-0.0002	0.0002	-0.0001	-2.5 to 2.5	Pass
			-10	4.0	0.070	-0.620	-0.490	0.0001	-0.0009	-0.0007	-2.5 to 2.5	Pass
			0	4.0	-1.720	0.300	-0.460	-0.0026	0.0004	-0.0007	-2.5 to 2.5	Pass
			10	4.0	-1.530	-1.770	-2.470	-0.0023	-0.0026	-0.0036	-2.5 to 2.5	Pass
			30	4.0	-1.990	-0.800	-2.890	-0.0030	-0.004.0	-0.0042	-2.5 to 2.5	Pass
			40	4.0	-1.190	-1.340	-2.570	-0.0018	-0.0020	-0.0037	-2.5 to 2.5	Pass
			50	4.0	-1.530	-0.540	-2.890	-0.0023	-0.0008	-0.0042	-2.5 to 2.5	Pass
64QAM	100	0	20	3.6	0.170	-1.060	-0.970	0.0003	-0.0016	-0.0014	-2.5 to 2.5	Pass
				4.0	-1.200	0.100	-2.030	-0.0018	0.0001	-0.0030	-2.5 to 2.5	Pass
				4.4	-0.310	-1.560	-2.500	-0.0005	-0.0023	-0.0036	-2.5 to 2.5	Pass
			-10	4.0	-1.790	-0.900	-1.790	-0.0027	-0.0013	-0.0026	-2.5 to 2.5	Pass
			0	4.0	-2.300	-1.140	-2.430	-0.0034	-0.0017	-0.0035	-2.5 to 2.5	Pass
			10	4.0	-2.4.00	-1.140	-2.650	-0.0032	-0.0017	-0.0039	-2.5 to 2.5	Pass
			30	4.0	-1.340	-0.920	-0.720	-0.0020	-0.0014	-0.0010	-2.5 to 2.5	Pass
			40	4.0	-1.760	-0.820	0.070	-0.0026	-0.004.0	0.0001	-2.5 to 2.5	Pass
			50	4.0	-0.740	-1.690	-1.160	-0.0011	-0.0025	-0.0017	-2.5 to 2.5	Pass

1.8 LTE Band 41

1.8.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.6	-8.20	-0.00	-2.5 to 2.5	Pass
					4.0	-2.09	-0.00	-2.5 to 2.5	Pass
					4.4	-6.05	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-7.45	-0.00	-2.5 to 2.5	Pass
				0	4.0	-10.76	-0.00	-2.5 to 2.5	Pass
				10	4.0	-14.86	-0.01	-2.5 to 2.5	Pass
				30	4.0	-17.57	-0.01	-2.5 to 2.5	Pass
				40	4.0	-18.64	-0.01	-2.5 to 2.5	Pass
				50	4.0	-16.94	-0.01	-2.5 to 2.5	Pass
	2593	25	0	20	3.6	-6.91	-0.00	-2.5 to 2.5	Pass
					4.0	-8.60	-0.00	-2.5 to 2.5	Pass
					4.4	-9.84	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-8.64	-0.00	-2.5 to 2.5	Pass
				0	4.0	-2.50	-0.00	-2.5 to 2.5	Pass
				10	4.0	-10.66	-0.00	-2.5 to 2.5	Pass
				30	4.0	-9.51	-0.00	-2.5 to 2.5	Pass
				40	4.0	-7.00	-0.00	-2.5 to 2.5	Pass
				50	4.0	-3.68	-0.00	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.6	-25.23	-0.01	-2.5 to 2.5	Pass
					4.0	-29.23	-0.01	-2.5 to 2.5	Pass
					4.4	-30.13	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-30.30	-0.01	-2.5 to 2.5	Pass
				0	4.0	-27.39	-0.01	-2.5 to 2.5	Pass
				10	4.0	-22.39	-0.01	-2.5 to 2.5	Pass
				30	4.0	-19.73	-0.01	-2.5 to 2.5	Pass
				40	4.0	-30.66	-0.01	-2.5 to 2.5	Pass
				50	4.0	-17.19	-0.01	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.6	-7.41	-0.00	-2.5 to 2.5	Pass
					4.0	-5.39	-0.00	-2.5 to 2.5	Pass
					4.4	-15.25	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-16.11	-0.01	-2.5 to 2.5	Pass
				0	4.0	-13.63	-0.01	-2.5 to 2.5	Pass
				10	4.0	-7.70	-0.00	-2.5 to 2.5	Pass
				30	4.0	-7.68	-0.00	-2.5 to 2.5	Pass
				40	4.0	-16.81	-0.01	-2.5 to 2.5	Pass
				50	4.0	-9.88	-0.00	-2.5 to 2.5	Pass
	2593	25	0	20	3.6	-15.11	-0.01	-2.5 to 2.5	Pass
					4.0	-19.07	-0.01	-2.5 to 2.5	Pass
					4.4	-16.68	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-10.41	-0.00	-2.5 to 2.5	Pass
				0	4.0	-4.0.22	-0.00	-2.5 to 2.5	Pass
				10	4.0	-4.0.45	-0.00	-2.5 to 2.5	Pass
				30	4.0	-4.0.06	-0.00	-2.5 to 2.5	Pass

				40	4.0	-8.10	-0.00	-2.5 to 2.5	Pass
				50	4.0	-2.22	-0.00	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.6	-24.10	-0.01	-2.5 to 2.5	Pass
					4.0	-30.31	-0.01	-2.5 to 2.5	Pass
					4.4	-22.17	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-22.57	-0.01	-2.5 to 2.5	Pass
				0	4.0	-18.54	-0.01	-2.5 to 2.5	Pass
				10	4.0	-13.96	-0.01	-2.5 to 2.5	Pass
				30	4.0	-16.39	-0.01	-2.5 to 2.5	Pass
				40	4.0	-21.13	-0.01	-2.5 to 2.5	Pass
				50	4.0	-25.56	-0.01	-2.5 to 2.5	Pass
64QAM	2498.5	25	0	20	3.6	-7.94	-0.00	-2.5 to 2.5	Pass
					4.0	-21.33	-0.01	-2.5 to 2.5	Pass
					4.4	-7.04	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-2.37	-0.00	-2.5 to 2.5	Pass
				0	4.0	-9.13	-0.00	-2.5 to 2.5	Pass
				10	4.0	-8.50	-0.00	-2.5 to 2.5	Pass
				30	4.0	-17.37	-0.01	-2.5 to 2.5	Pass
				40	4.0	-17.84	-0.01	-2.5 to 2.5	Pass
				50	4.0	-19.47	-0.01	-2.5 to 2.5	Pass
	2593	25	0	20	3.6	-11.50	-0.00	-2.5 to 2.5	Pass
					4.0	-11.33	-0.00	-2.5 to 2.5	Pass
					4.4	-11.24	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-4.0.15	-0.00	-2.5 to 2.5	Pass
				0	4.0	-1.49	-0.00	-2.5 to 2.5	Pass
				10	4.0	-10.77	-0.00	-2.5 to 2.5	Pass
				30	4.0	-6.62	-0.00	-2.5 to 2.5	Pass
				40	4.0	-2.45	-0.00	-2.5 to 2.5	Pass
				50	4.0	-2.69	-0.00	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.6	-31.33	-0.01	-2.5 to 2.5	Pass
					4.0	-24.06	-0.01	-2.5 to 2.5	Pass
					4.4	-30.30	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-22.89	-0.01	-2.5 to 2.5	Pass
				0	4.0	-29.04	-0.01	-2.5 to 2.5	Pass
				10	4.0	-24.75	-0.01	-2.5 to 2.5	Pass
				30	4.0	-21.66	-0.01	-2.5 to 2.5	Pass
				40	4.0	-21.64	-0.01	-2.5 to 2.5	Pass
				50	4.0	-26.78	-0.01	-2.5 to 2.5	Pass

Band: 41 / Bandwidth: 10MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.6	-13.4.0	-0.01	-2.5 to 2.5	Pass
					4.0	-11.34	-0.00	-2.5 to 2.5	Pass
					4.4	-9.67	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-15.06	-0.01	-2.5 to 2.5	Pass
				0	4.0	-15.94	-0.01	-2.5 to 2.5	Pass
				10	4.0	-10.90	-0.00	-2.5 to 2.5	Pass
				30	4.0	-19.08	-0.01	-2.5 to 2.5	Pass
				40	4.0	-20.91	-0.01	-2.5 to 2.5	Pass
				50	4.0	-4.18	-0.00	-2.5 to 2.5	Pass
	2593	50	0	20	3.6	-17.22	-0.01	-2.5 to 2.5	Pass
					4.0	-15.98	-0.01	-2.5 to 2.5	Pass
					4.4	-8.08	-0.00	-2.5 to 2.5	Pass

				-10	4.0	-14.75	-0.01	-2.5 to 2.5	Pass
				0	4.0	-9.76	-0.00	-2.5 to 2.5	Pass
				10	4.0	-10.41	-0.00	-2.5 to 2.5	Pass
				30	4.0	-14.39	-0.01	-2.5 to 2.5	Pass
				40	4.0	-8.67	-0.00	-2.5 to 2.5	Pass
				50	4.0	-3.10	-0.00	-2.5 to 2.5	Pass
	2685	50	0	20	3.6	-10.99	-0.00	-2.5 to 2.5	Pass
					4.0	-9.36	-0.00	-2.5 to 2.5	Pass
					4.4	-5.71	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-5.02	-0.00	-2.5 to 2.5	Pass
				0	4.0	-3.83	-0.00	-2.5 to 2.5	Pass
				10	4.0	-4.0.10	-0.00	-2.5 to 2.5	Pass
				30	4.0	-16.68	-0.01	-2.5 to 2.5	Pass
				40	4.0	-13.98	-0.01	-2.5 to 2.5	Pass
				50	4.0	-6.92	-0.00	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	3.6	-19.20	-0.01	-2.5 to 2.5	Pass
					4.0	-11.36	-0.00	-2.5 to 2.5	Pass
					4.4	-11.69	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-17.80	-0.01	-2.5 to 2.5	Pass
				0	4.0	-13.59	-0.01	-2.5 to 2.5	Pass
				10	4.0	-15.34	-0.01	-2.5 to 2.5	Pass
				30	4.0	-10.93	-0.00	-2.5 to 2.5	Pass
				40	4.0	-8.18	-0.00	-2.5 to 2.5	Pass
				50	4.0	-18.61	-0.01	-2.5 to 2.5	Pass
	2593	50	0	20	3.6	-7.98	-0.00	-2.5 to 2.5	Pass
					4.0	-16.47	-0.01	-2.5 to 2.5	Pass
					4.4	-11.26	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-6.75	-0.00	-2.5 to 2.5	Pass
				0	4.0	-3.4.0	-0.00	-2.5 to 2.5	Pass
				10	4.0	-11.66	-0.00	-2.5 to 2.5	Pass
				30	4.0	-6.92	-0.00	-2.5 to 2.5	Pass
				40	4.0	-8.88	-0.00	-2.5 to 2.5	Pass
				50	4.0	-4.51	-0.00	-2.5 to 2.5	Pass
	2685	50	0	20	3.6	-17.28	-0.01	-2.5 to 2.5	Pass
					4.0	-9.78	-0.00	-2.5 to 2.5	Pass
					4.4	-9.36	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-14.83	-0.01	-2.5 to 2.5	Pass
				0	4.0	-6.59	-0.00	-2.5 to 2.5	Pass
				10	4.0	-11.00	-0.00	-2.5 to 2.5	Pass
				30	4.0	-11.00	-0.00	-2.5 to 2.5	Pass
				40	4.0	-4.0.02	-0.00	-2.5 to 2.5	Pass
				50	4.0	-10.06	-0.00	-2.5 to 2.5	Pass
64QAM	2501	50	0	20	3.6	-4.0.70	-0.01	-2.5 to 2.5	Pass
					4.0	-9.67	-0.00	-2.5 to 2.5	Pass
					4.4	-5.84	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-11.23	-0.00	-2.5 to 2.5	Pass
				0	4.0	-16.61	-0.01	-2.5 to 2.5	Pass
				10	4.0	-11.87	-0.00	-2.5 to 2.5	Pass
				30	4.0	-2.83	-0.00	-2.5 to 2.5	Pass
				40	4.0	-4.71	-0.00	-2.5 to 2.5	Pass
				50	4.0	-3.91	-0.00	-2.5 to 2.5	Pass
	2593	50	0	20	3.6	-7.02	-0.00	-2.5 to 2.5	Pass
					4.0	-13.79	-0.01	-2.5 to 2.5	Pass

					4.4	-10.30	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-4.0.72	-0.00	-2.5 to 2.5	Pass
				0	4.0	-6.11	-0.00	-2.5 to 2.5	Pass
				10	4.0	-4.29	-0.00	-2.5 to 2.5	Pass
				30	4.0	-7.87	-0.00	-2.5 to 2.5	Pass
				40	4.0	-17.52	-0.01	-2.5 to 2.5	Pass
				50	4.0	-14.36	-0.01	-2.5 to 2.5	Pass
	2685	50	0	20	3.6	-19.18	-0.01	-2.5 to 2.5	Pass
					4.0	-10.04	-0.00	-2.5 to 2.5	Pass
					4.4	-15.72	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-15.05	-0.01	-2.5 to 2.5	Pass
				0	4.0	-9.94	-0.00	-2.5 to 2.5	Pass
				10	4.0	-11.50	-0.00	-2.5 to 2.5	Pass
				30	4.0	-7.08	-0.00	-2.5 to 2.5	Pass
				40	4.0	-10.39	-0.00	-2.5 to 2.5	Pass
				50	4.0	-15.79	-0.01	-2.5 to 2.5	Pass
Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	3.6	-2.66	-0.00	-2.5 to 2.5	Pass
					4.0	-10.89	-0.00	-2.5 to 2.5	Pass
					4.4	-5.05	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-9.97	-0.00	-2.5 to 2.5	Pass
				0	4.0	-13.75	-0.01	-2.5 to 2.5	Pass
				10	4.0	-14.78	-0.01	-2.5 to 2.5	Pass
				30	4.0	-6.42	-0.00	-2.5 to 2.5	Pass
				40	4.0	-17.44	-0.01	-2.5 to 2.5	Pass
				50	4.0	-17.42	-0.01	-2.5 to 2.5	Pass
	2593	75	0	20	3.6	-6.19	-0.00	-2.5 to 2.5	Pass
					4.0	-8.83	-0.00	-2.5 to 2.5	Pass
					4.4	-8.75	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-8.04	-0.00	-2.5 to 2.5	Pass
				0	4.0	-10.49	-0.00	-2.5 to 2.5	Pass
				10	4.0	-4.0.63	-0.00	-2.5 to 2.5	Pass
				30	4.0	-15.56	-0.01	-2.5 to 2.5	Pass
				40	4.0	-10.06	-0.00	-2.5 to 2.5	Pass
				50	4.0	-15.84	-0.01	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.6	-6.77	-0.00	-2.5 to 2.5	Pass
					4.0	-10.70	-0.00	-2.5 to 2.5	Pass
					4.4	-10.94	-0.00	-2.5 to 2.5	Pass
				-10	4.0	2.96	0.00	-2.5 to 2.5	Pass
				0	4.0	-7.94	-0.00	-2.5 to 2.5	Pass
				10	4.0	-13.16	-0.00	-2.5 to 2.5	Pass
				30	4.0	-16.32	-0.01	-2.5 to 2.5	Pass
				40	4.0	-11.50	-0.00	-2.5 to 2.5	Pass
				50	4.0	-4.0.02	-0.00	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.6	-10.99	-0.00	-2.5 to 2.5	Pass
					4.0	-18.48	-0.01	-2.5 to 2.5	Pass
					4.4	-11.52	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-6.90	-0.00	-2.5 to 2.5	Pass
				0	4.0	-15.58	-0.01	-2.5 to 2.5	Pass
				10	4.0	-11.14	-0.00	-2.5 to 2.5	Pass
				30	4.0	-15.71	-0.01	-2.5 to 2.5	Pass

				40	4.0	-6.55	-0.00	-2.5 to 2.5	Pass
				50	4.0	-21.39	-0.01	-2.5 to 2.5	Pass
	2593	75	0	20	3.6	-17.35	-0.01	-2.5 to 2.5	Pass
					4.0	-10.40	-0.00	-2.5 to 2.5	Pass
					4.4	-4.0.56	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-8.88	-0.00	-2.5 to 2.5	Pass
				0	4.0	-10.09	-0.00	-2.5 to 2.5	Pass
				10	4.0	-10.96	-0.00	-2.5 to 2.5	Pass
				30	4.0	-0.44	-0.00	-2.5 to 2.5	Pass
				40	4.0	-8.40	-0.00	-2.5 to 2.5	Pass
				50	4.0	-6.42	-0.00	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.6	-9.40	-0.00	-2.5 to 2.5	Pass
					4.0	-4.0.29	-0.00	-2.5 to 2.5	Pass
					4.4	0.13	0.00	-2.5 to 2.5	Pass
				-10	4.0	-4.0.17	-0.00	-2.5 to 2.5	Pass
				0	4.0	-18.65	-0.01	-2.5 to 2.5	Pass
				10	4.0	-14.73	-0.01	-2.5 to 2.5	Pass
				30	4.0	-18.65	-0.01	-2.5 to 2.5	Pass
				40	4.0	-14.93	-0.01	-2.5 to 2.5	Pass
				50	4.0	-7.14	-0.00	-2.5 to 2.5	Pass
64QAM	2503.5	75	0	20	3.6	-17.85	-0.01	-2.5 to 2.5	Pass
					4.0	-11.90	-0.00	-2.5 to 2.5	Pass
					4.4	-16.28	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-9.28	-0.00	-2.5 to 2.5	Pass
				0	4.0	-4.82	-0.00	-2.5 to 2.5	Pass
				10	4.0	-8.81	-0.00	-2.5 to 2.5	Pass
				30	4.0	-16.88	-0.01	-2.5 to 2.5	Pass
				40	4.0	-4.0.59	-0.01	-2.5 to 2.5	Pass
				50	4.0	-14.08	-0.01	-2.5 to 2.5	Pass
	2593	75	0	20	3.6	-11.00	-0.00	-2.5 to 2.5	Pass
					4.0	-11.72	-0.00	-2.5 to 2.5	Pass
					4.4	-15.06	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-6.68	-0.00	-2.5 to 2.5	Pass
				0	4.0	-10.07	-0.00	-2.5 to 2.5	Pass
				10	4.0	-19.98	-0.01	-2.5 to 2.5	Pass
				30	4.0	-8.81	-0.00	-2.5 to 2.5	Pass
				40	4.0	-10.96	-0.00	-2.5 to 2.5	Pass
				50	4.0	-21.44	-0.01	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.6	-13.59	-0.01	-2.5 to 2.5	Pass
					4.0	-10.03	-0.00	-2.5 to 2.5	Pass
					4.4	-8.25	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-17.71	-0.01	-2.5 to 2.5	Pass
				0	4.0	-20.74	-0.01	-2.5 to 2.5	Pass
				10	4.0	-15.42	-0.01	-2.5 to 2.5	Pass
				30	4.0	-14.26	-0.01	-2.5 to 2.5	Pass
				40	4.0	-13.70	-0.01	-2.5 to 2.5	Pass
				50	4.0	-10.31	-0.00	-2.5 to 2.5	Pass

Band: 41 / Bandwidth: 20MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.6	-17.74	-0.01	-2.5 to 2.5	Pass
					4.0	-17.94	-0.01	-2.5 to 2.5	Pass
					4.4	-9.51	-0.00	-2.5 to 2.5	Pass

				-10	4.0	-15.54	-0.01	-2.5 to 2.5	Pass
				0	4.0	-15.19	-0.01	-2.5 to 2.5	Pass
				10	4.0	-5.99	-0.00	-2.5 to 2.5	Pass
				30	4.0	-8.47	-0.00	-2.5 to 2.5	Pass
				40	4.0	-4.0.80	-0.01	-2.5 to 2.5	Pass
				50	4.0	-15.38	-0.01	-2.5 to 2.5	Pass
	2593	100	0	20	3.6	-9.24	-0.00	-2.5 to 2.5	Pass
					4.0	-16.26	-0.01	-2.5 to 2.5	Pass
					4.4	-16.59	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-8.33	-0.00	-2.5 to 2.5	Pass
				0	4.0	-10.34	-0.00	-2.5 to 2.5	Pass
				10	4.0	-13.70	-0.01	-2.5 to 2.5	Pass
				30	4.0	-8.78	-0.00	-2.5 to 2.5	Pass
				40	4.0	-4.06	-0.00	-2.5 to 2.5	Pass
				50	4.0	-6.01	-0.00	-2.5 to 2.5	Pass
	2680	100	0	20	3.6	-11.77	-0.00	-2.5 to 2.5	Pass
					4.0	-2.83	-0.00	-2.5 to 2.5	Pass
					4.4	-15.94	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-14.95	-0.01	-2.5 to 2.5	Pass
				0	4.0	-19.40	-0.01	-2.5 to 2.5	Pass
				10	4.0	-4.0.40	-0.00	-2.5 to 2.5	Pass
				30	4.0	-4.85	-0.00	-2.5 to 2.5	Pass
				40	4.0	-6.18	-0.00	-2.5 to 2.5	Pass
				50	4.0	-4.02	-0.00	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.6	-10.57	-0.00	-2.5 to 2.5	Pass
					4.0	-14.39	-0.01	-2.5 to 2.5	Pass
					4.4	-11.97	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-4.0.57	-0.01	-2.5 to 2.5	Pass
				0	4.0	-9.27	-0.00	-2.5 to 2.5	Pass
				10	4.0	-9.98	-0.00	-2.5 to 2.5	Pass
				30	4.0	-3.29	-0.00	-2.5 to 2.5	Pass
				40	4.0	-11.34	-0.00	-2.5 to 2.5	Pass
				50	4.0	-13.42	-0.01	-2.5 to 2.5	Pass
	2593	100	0	20	3.6	-1.23	-0.00	-2.5 to 2.5	Pass
					4.0	-7.90	-0.00	-2.5 to 2.5	Pass
					4.4	-5.97	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-7.67	-0.00	-2.5 to 2.5	Pass
				0	4.0	-11.69	-0.00	-2.5 to 2.5	Pass
				10	4.0	-16.64	-0.01	-2.5 to 2.5	Pass
				30	4.0	-14.78	-0.01	-2.5 to 2.5	Pass
				40	4.0	-7.11	-0.00	-2.5 to 2.5	Pass
				50	4.0	-2.37	-0.00	-2.5 to 2.5	Pass
	2680	100	0	20	3.6	-8.50	-0.00	-2.5 to 2.5	Pass
					4.0	-9.01	-0.00	-2.5 to 2.5	Pass
					4.4	-10.49	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-7.82	-0.00	-2.5 to 2.5	Pass
				0	4.0	-16.38	-0.01	-2.5 to 2.5	Pass
				10	4.0	-4.72	-0.00	-2.5 to 2.5	Pass
				30	4.0	-11.72	-0.00	-2.5 to 2.5	Pass
				40	4.0	-14.32	-0.01	-2.5 to 2.5	Pass
				50	4.0	-14.72	-0.01	-2.5 to 2.5	Pass
64QAM	2506	100	0	20	3.6	-7.15	-0.00	-2.5 to 2.5	Pass
					4.0	-11.96	-0.00	-2.5 to 2.5	Pass

					4.4	-18.50	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-9.94	-0.00	-2.5 to 2.5	Pass
				0	4.0	-18.77	-0.01	-2.5 to 2.5	Pass
				10	4.0	-5.75	-0.00	-2.5 to 2.5	Pass
				30	4.0	-13.05	-0.01	-2.5 to 2.5	Pass
				40	4.0	-6.74	-0.00	-2.5 to 2.5	Pass
				50	4.0	-3.26	-0.00	-2.5 to 2.5	Pass
	2593	100	0	20	3.6	-6.17	-0.00	-2.5 to 2.5	Pass
					4.0	-4.0.06	-0.00	-2.5 to 2.5	Pass
					4.4	-16.44	-0.01	-2.5 to 2.5	Pass
				-10	4.0	-3.82	-0.00	-2.5 to 2.5	Pass
				0	4.0	-7.60	-0.00	-2.5 to 2.5	Pass
				10	4.0	-18.88	-0.01	-2.5 to 2.5	Pass
				30	4.0	-14.41	-0.01	-2.5 to 2.5	Pass
				40	4.0	-16.82	-0.01	-2.5 to 2.5	Pass
				50	4.0	-14.05	-0.01	-2.5 to 2.5	Pass
	2680	100	0	20	3.6	-7.42	-0.00	-2.5 to 2.5	Pass
					4.0	-7.21	-0.00	-2.5 to 2.5	Pass
					4.4	-6.72	-0.00	-2.5 to 2.5	Pass
				-10	4.0	-3.60	-0.00	-2.5 to 2.5	Pass
				0	4.0	-9.88	-0.00	-2.5 to 2.5	Pass
				10	4.0	-13.55	-0.01	-2.5 to 2.5	Pass
				30	4.0	-2.65	-0.00	-2.5 to 2.5	Pass
				40	4.0	-14.29	-0.01	-2.5 to 2.5	Pass
				50	4.0	-9.30	-0.00	-2.5 to 2.5	Pass

1.9 WCDMABand4

1.9.1 Test Result

Band: 4										
Network	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
RMC	20	3.6	8.630	-4.0.130	-1.960	0.0050	-0.0070	-0.0011	-2.5 to 2.5	Pass
		4.0	8.640	-11.470	-2.200	0.0050	-0.0066	-0.0013	-2.5 to 2.5	Pass
		4.4	8.540	-4.0.430	-1.610	0.0050	-0.0072	-0.0009	-2.5 to 2.5	Pass
	-10	4.0	9.130	-11.540	-1.580	0.0053	-0.0067	-0.0009	-2.5 to 2.5	Pass
	0	4.0	9.200	-11.830	-1.410	0.0054	-0.0068	-0.0008	-2.5 to 2.5	Pass
	10	4.0	8.640	-11.380	-1.720	0.0050	-0.0066	-0.0010	-2.5 to 2.5	Pass
	30	4.0	8.060	-11.100	-1.490	0.0047	-0.0064	-0.0009	-2.5 to 2.5	Pass
	40	4.0	9.560	-11.710	-2.090	0.0056	-0.0068	-0.004.0	-2.5 to 2.5	Pass
	50	4.0	8.460	-11.800	-1.520	0.0049	-0.0068	-0.0009	-2.5 to 2.5	Pass

2. 99% & 26dB Bandwidth

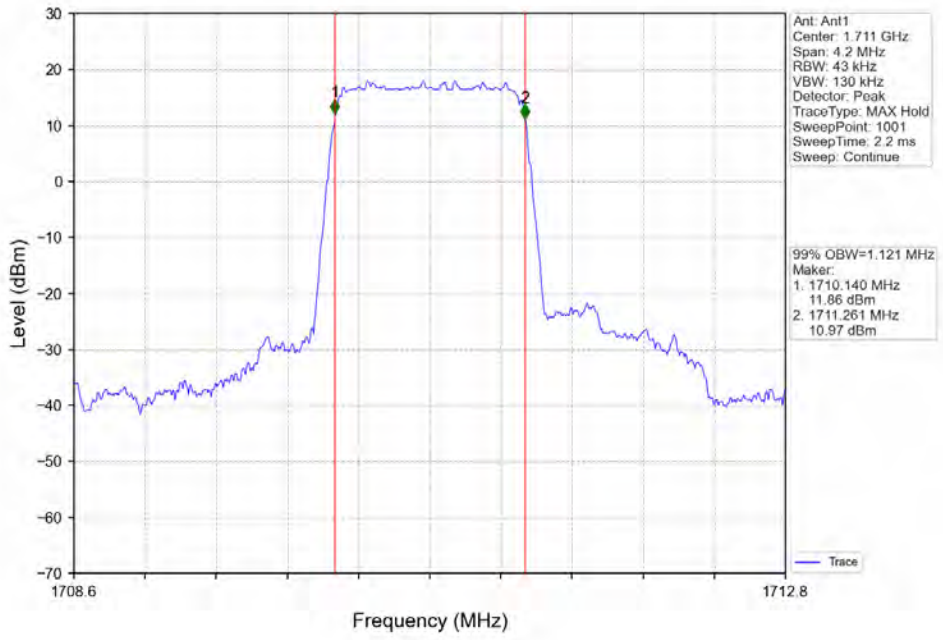
2.1 LTE Band 4_OBW

2.1.1 Test Result

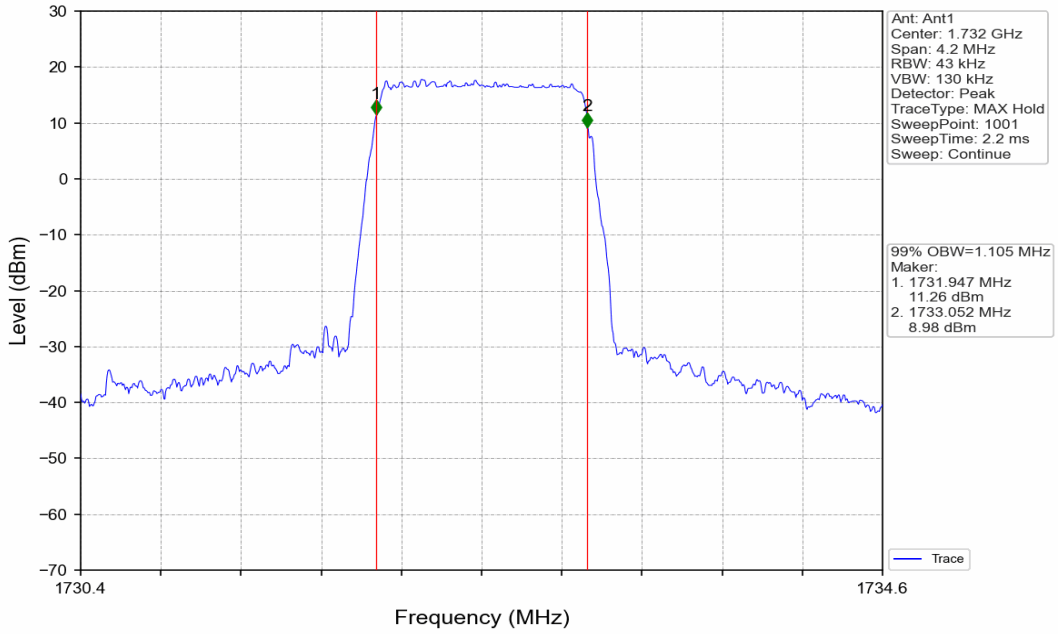
Band: 4 / Bandwidth: 1.4MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.4.01	1.105	1.108	/	Pass
16QAM	6	0	1.105	1.096	1.14.0	/	Pass
64QAM	6	0	1.101	1.107	1.102	/	Pass
Band: 4 / Bandwidth: 3MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.743	2.736	2.739	/	Pass
16QAM	15	0	2.731	2.728	2.738	/	Pass
64QAM	15	0	2.744	2.732	2.736	/	Pass
Band: 4 / Bandwidth: 5MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.556	4.544	4.534	/	Pass
16QAM	25	0	4.540	4.543	4.569	/	Pass
64QAM	25	0	4.536	4.551	4.549	/	Pass
Band: 4 / Bandwidth: 10MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.026	9.073	9.027	/	Pass
16QAM	50	0	9.047	9.032	9.023	/	Pass
64QAM	50	0	9.077	9.058	9.034	/	Pass
Band: 4 / Bandwidth: 15MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	13.558	13.579	13.562	/	Pass
16QAM	75	0	13.583	13.583	13.570	/	Pass
64QAM	75	0	13.585	13.595	13.591	/	Pass
Band: 4 / Bandwidth: 20MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	18.079	18.096	18.089	/	Pass
16QAM	100	0	18.143	18.082	18.059	/	Pass
64QAM	100	0	18.024	18.137	18.052	/	Pass

2.1.2 Test Graph

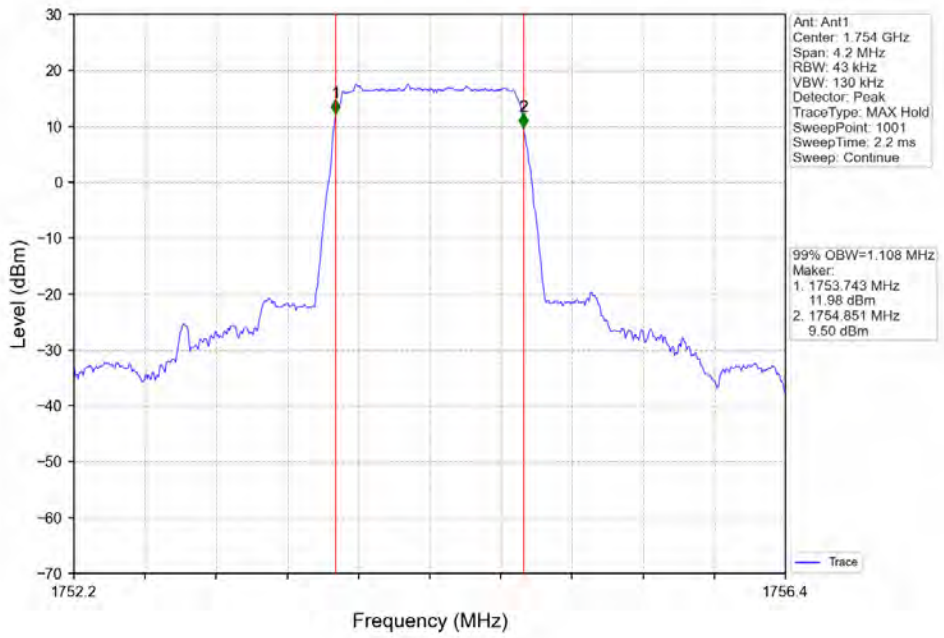
Band_LTE Band 4_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



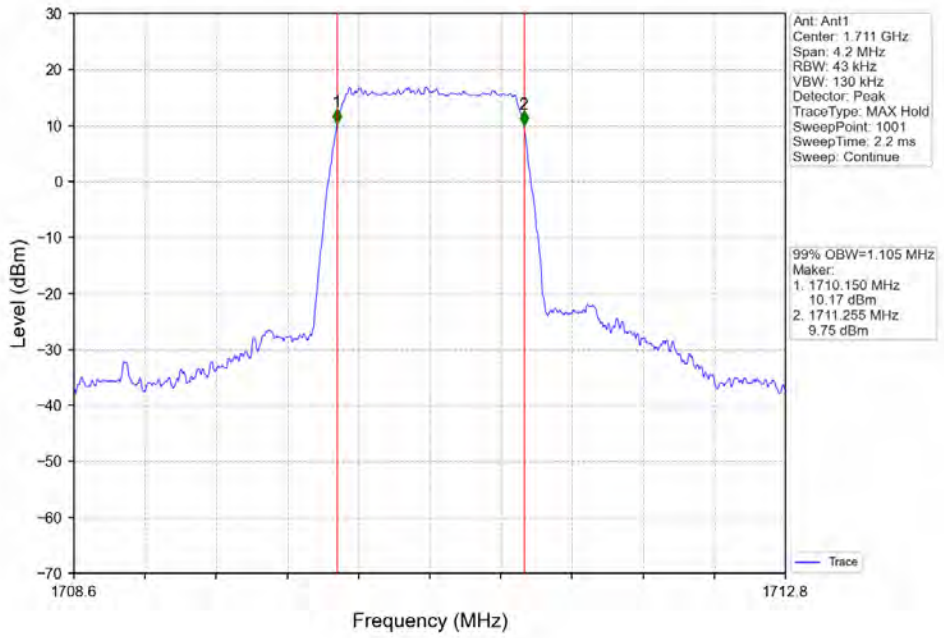
Band_LTE Band 4_QPSK_MCH_1732.5MHz_RB_6_0_NTNV


Ant: Ant1
Center: 1.732 GHz
Span: 4.2 MHz
RBW: 43 kHz
VBW: 130 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 2.2 ms
Sweep: Continue
99% OBW=1.105 MHz
Maker:
1. 1731.947 MHz
11.26 dBm
2. 1733.052 MHz
8.98 dBm
Trace
Level (dBm)
Frequency (MHz)
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
1730.4
1734.6
1
2

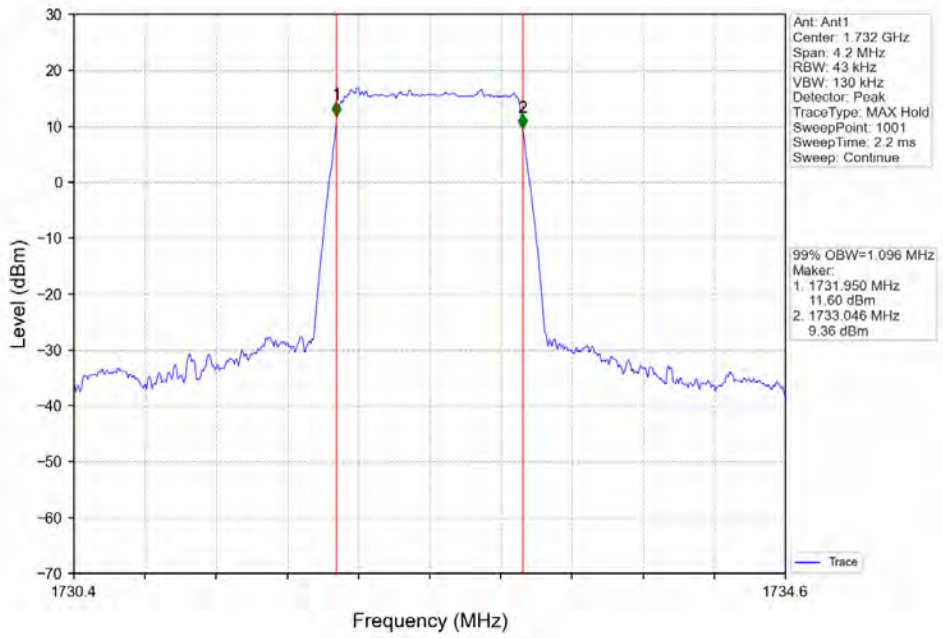
Band_LTE Band 4_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



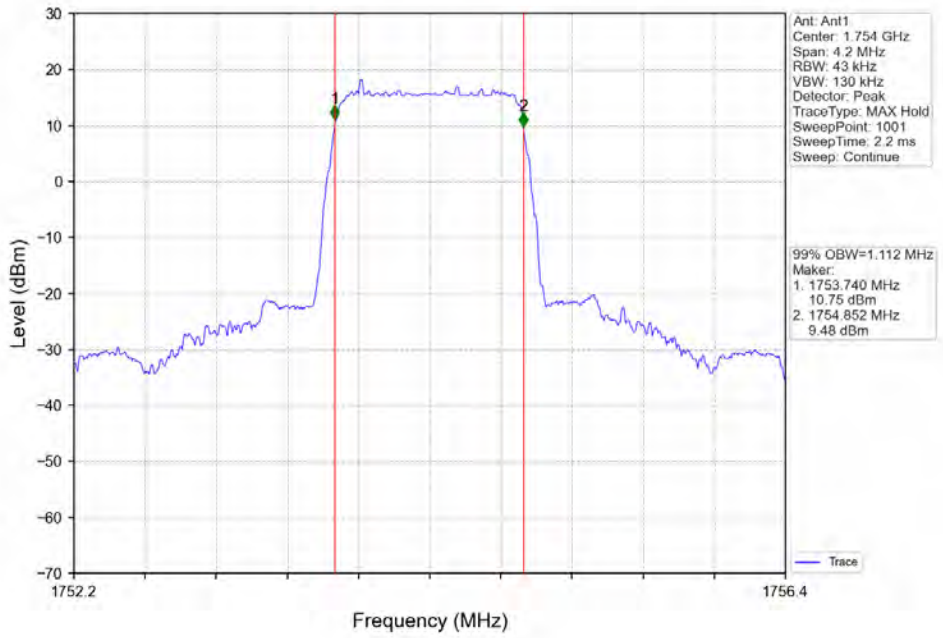
Band_LTE Band 4_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



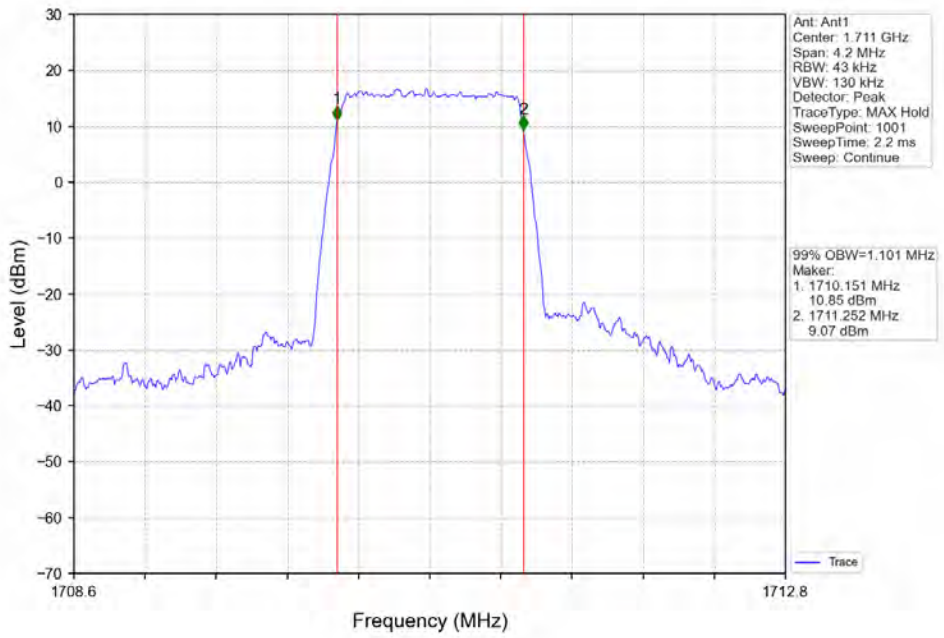
Band_LTE Band 4_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



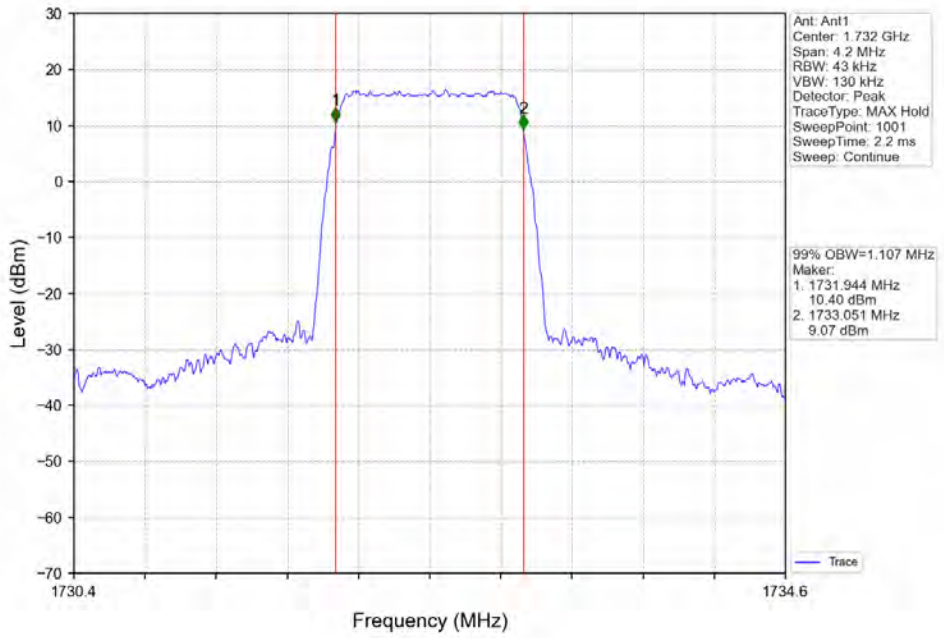
Band_LTE Band 4_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



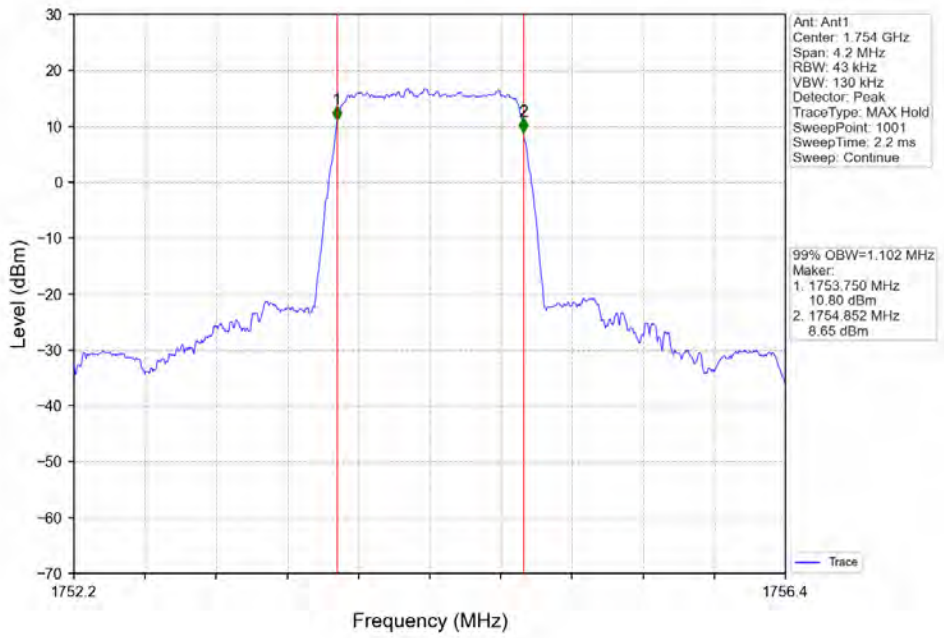
Band_LTE Band 4_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



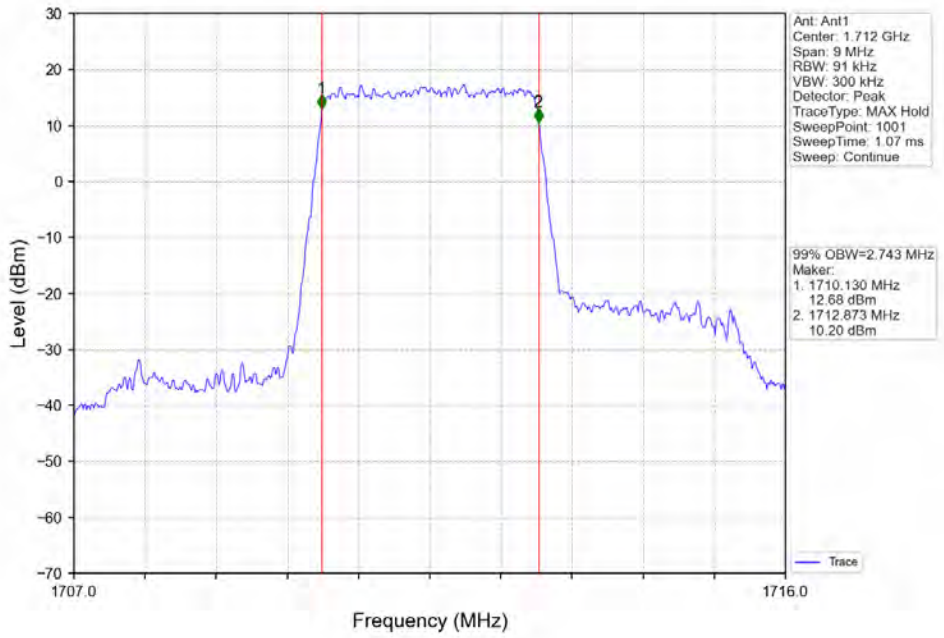
Band_LTE Band 4_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



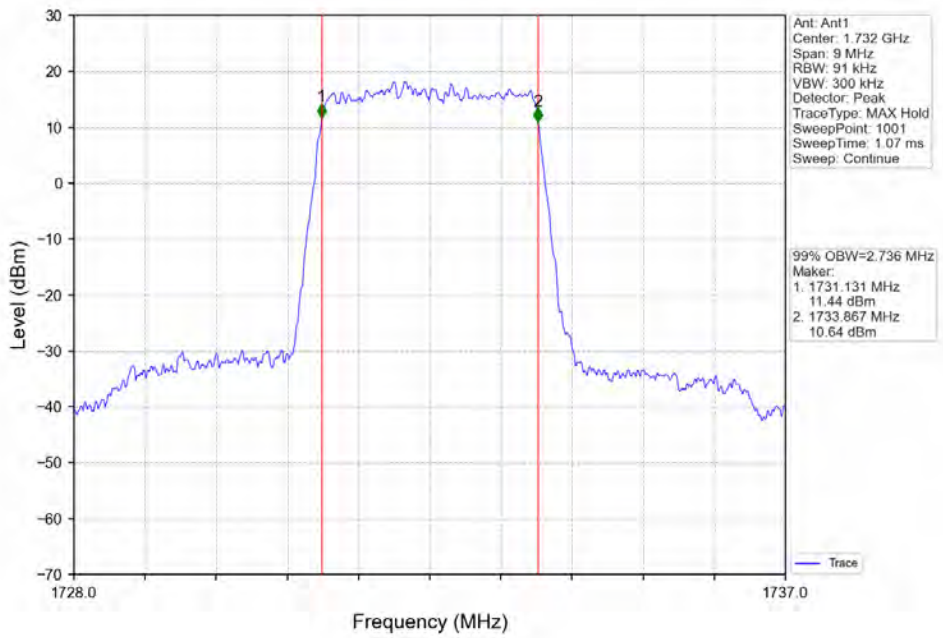
Band_LTE Band 4_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



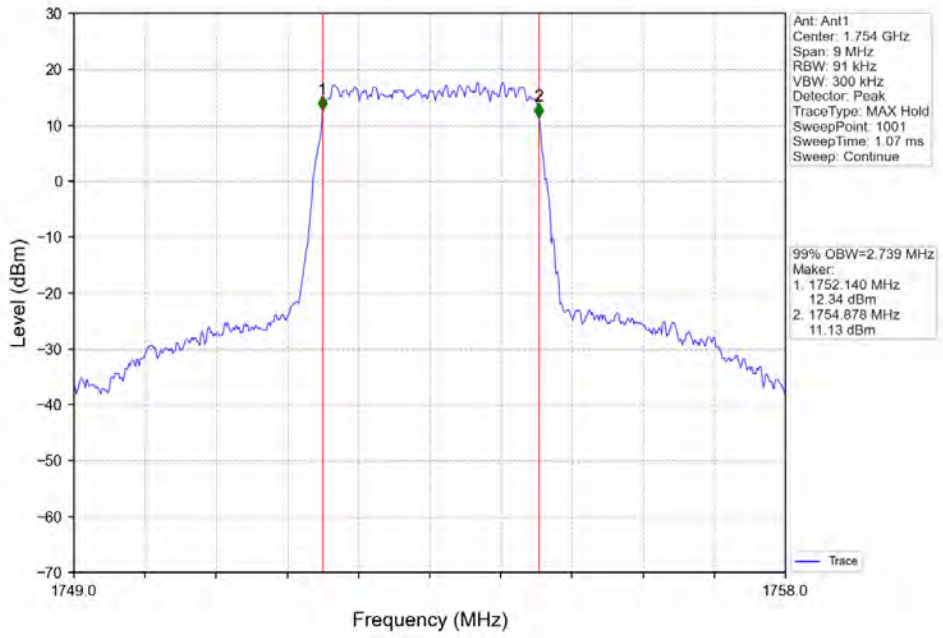
Band_4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



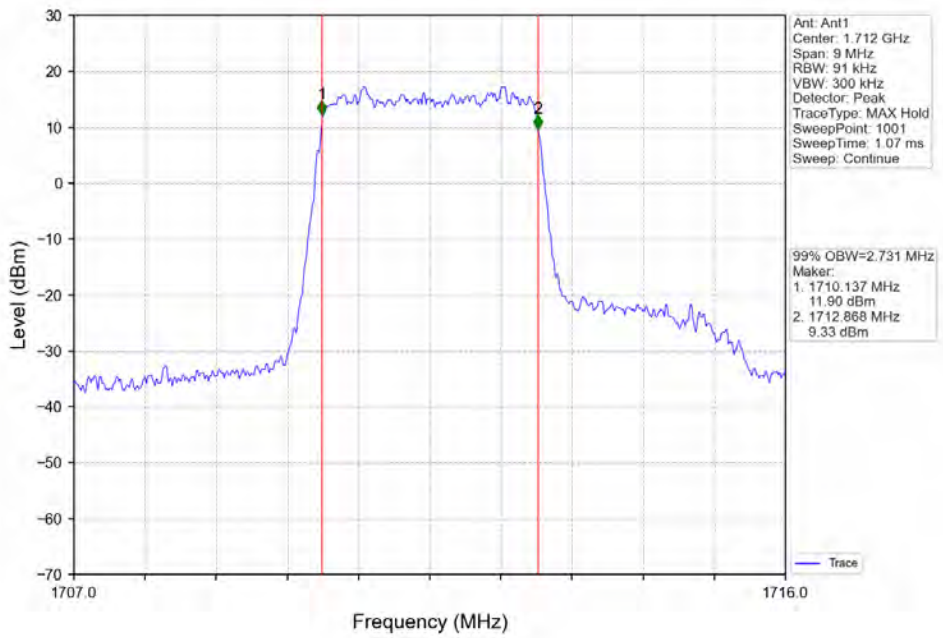
Band_4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



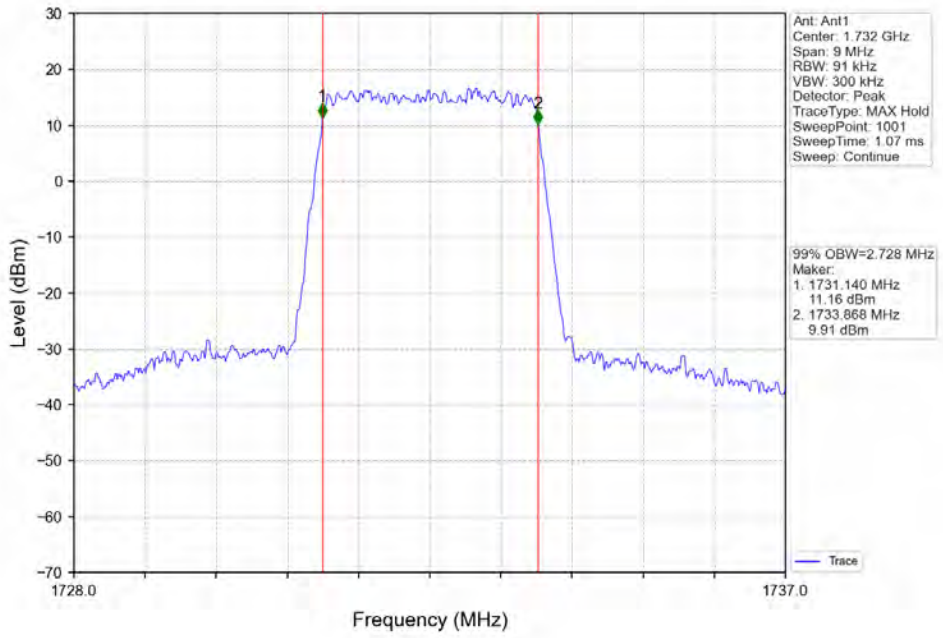
Band_4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



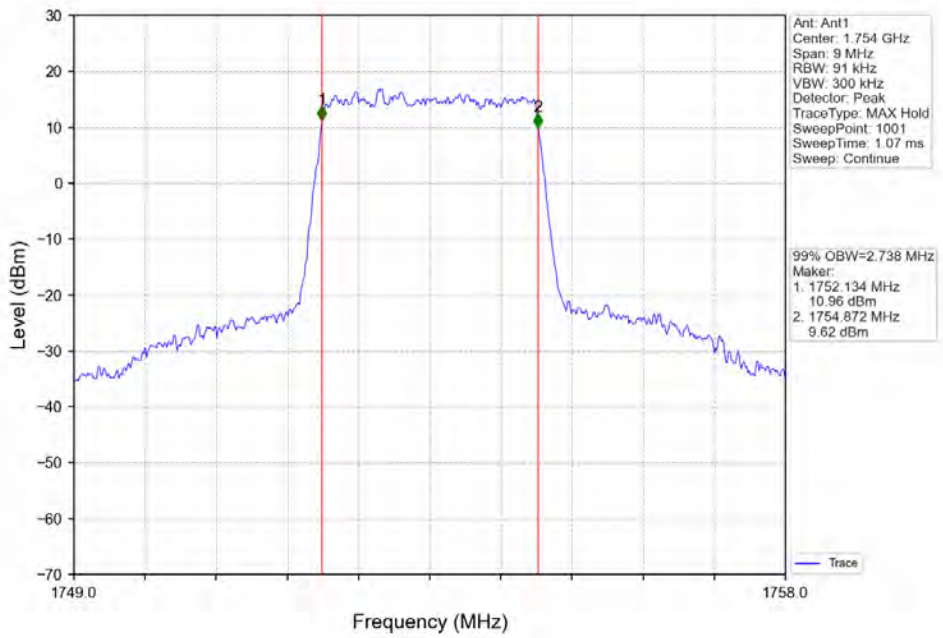
Band_4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



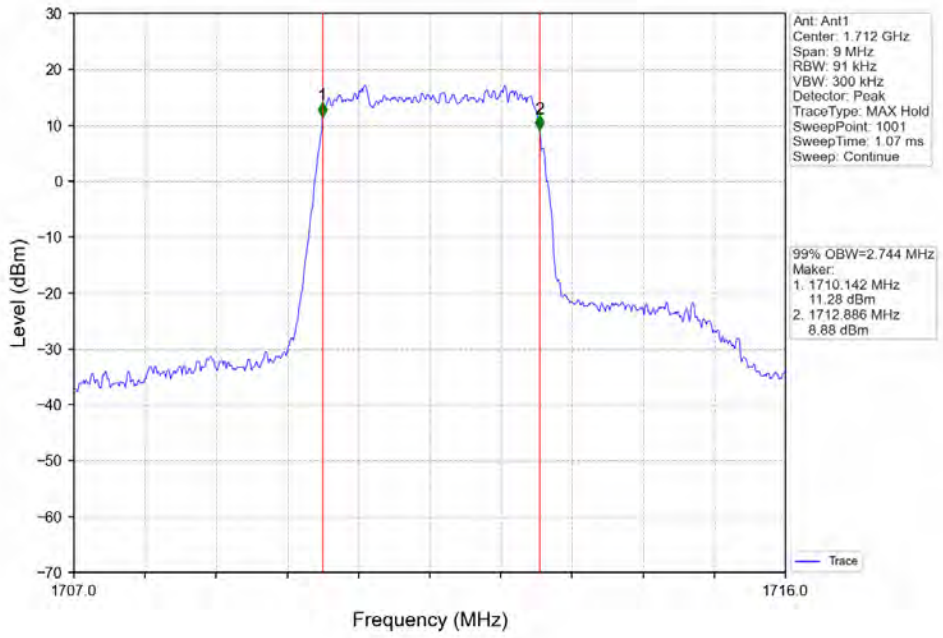
Band_4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



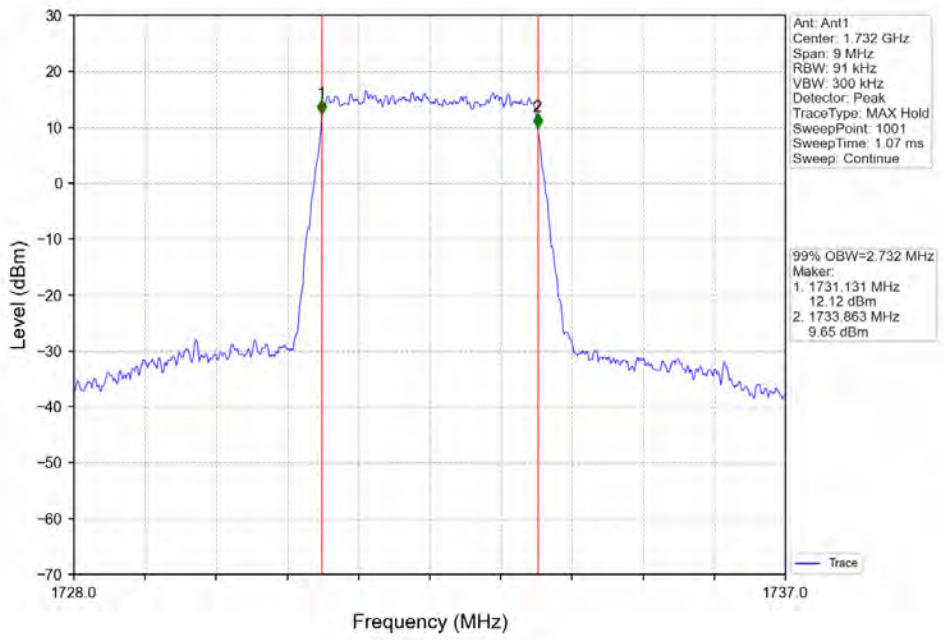
Band_4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



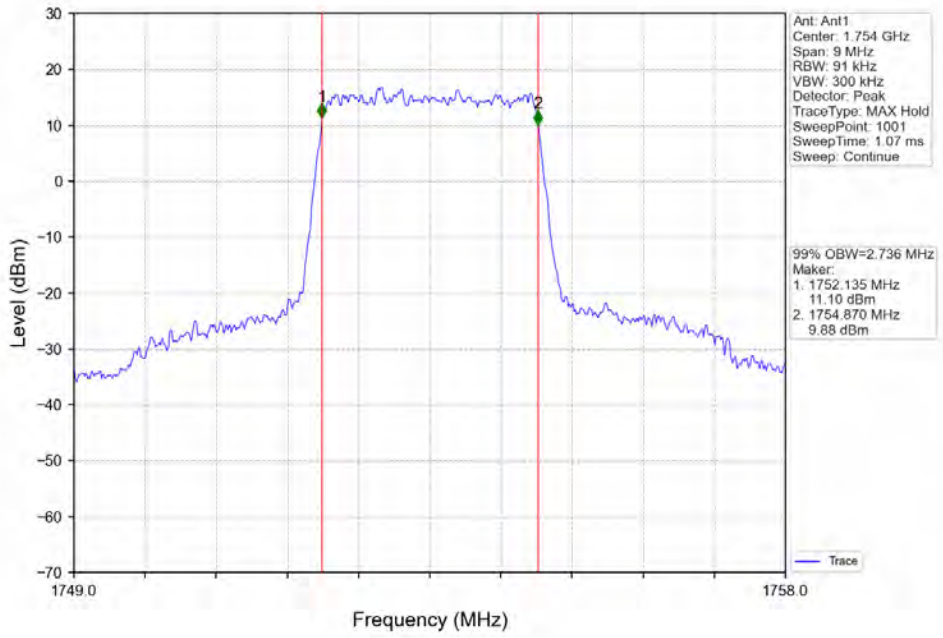
Band_4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



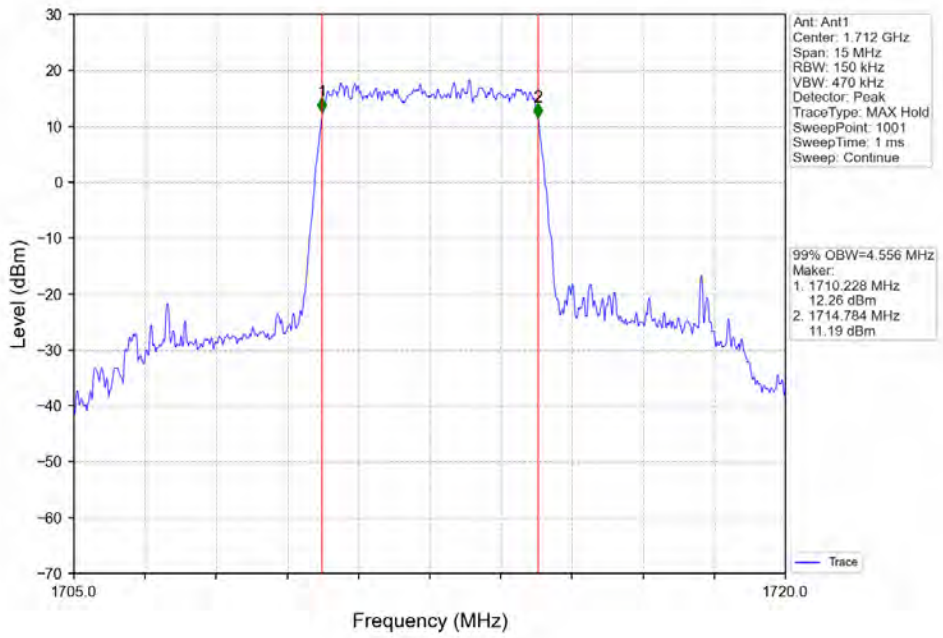
Band_4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



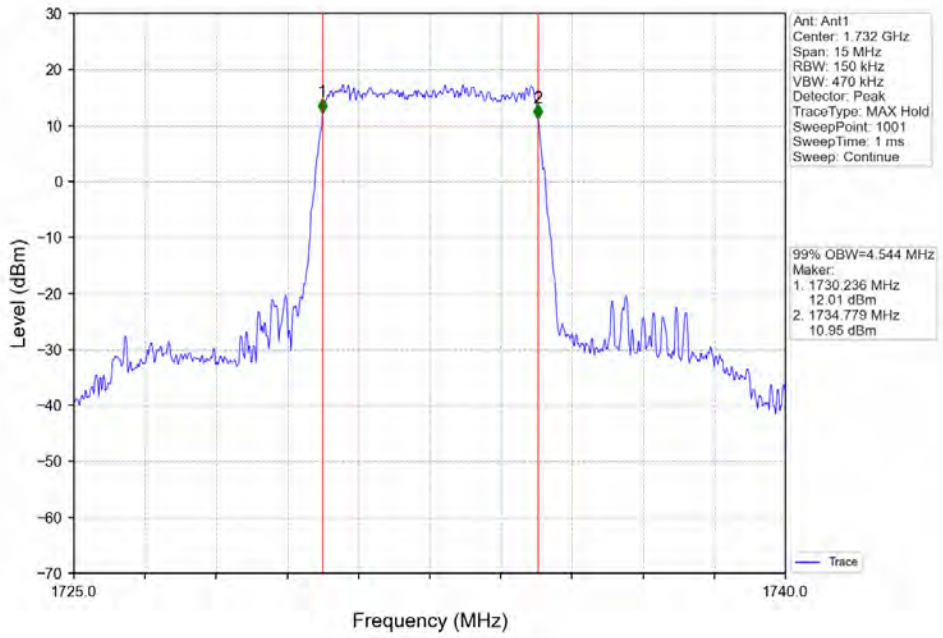
Band_4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



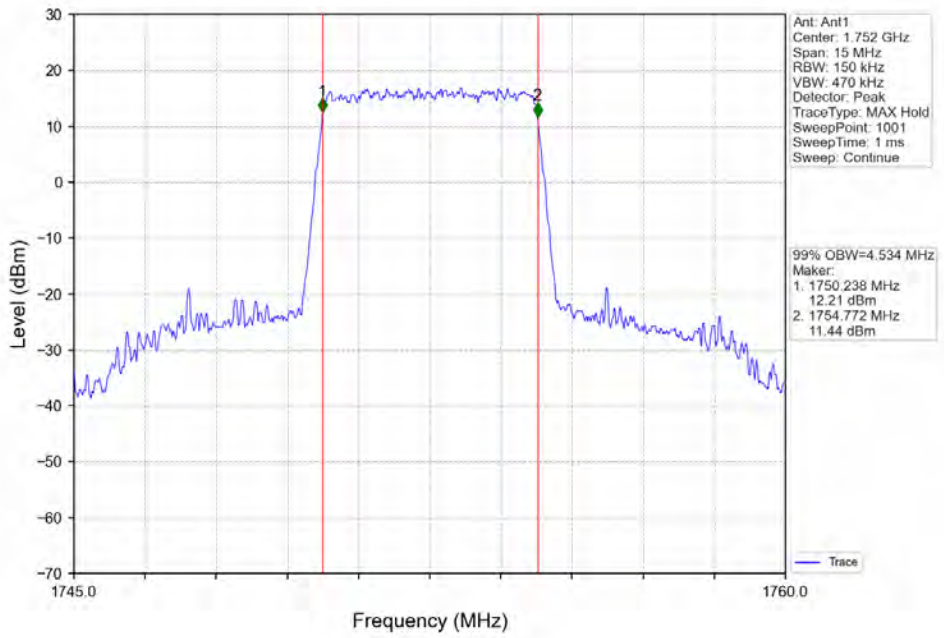
Band_4_5MHz_QPSK_LCH_174.0.5MHz_RB_25_0_NTNV



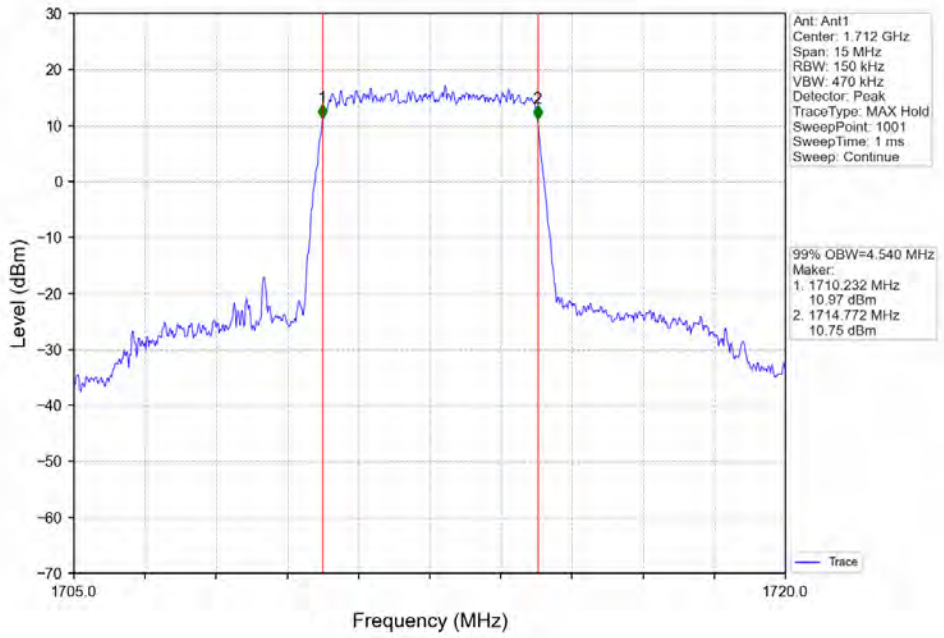
Band_4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



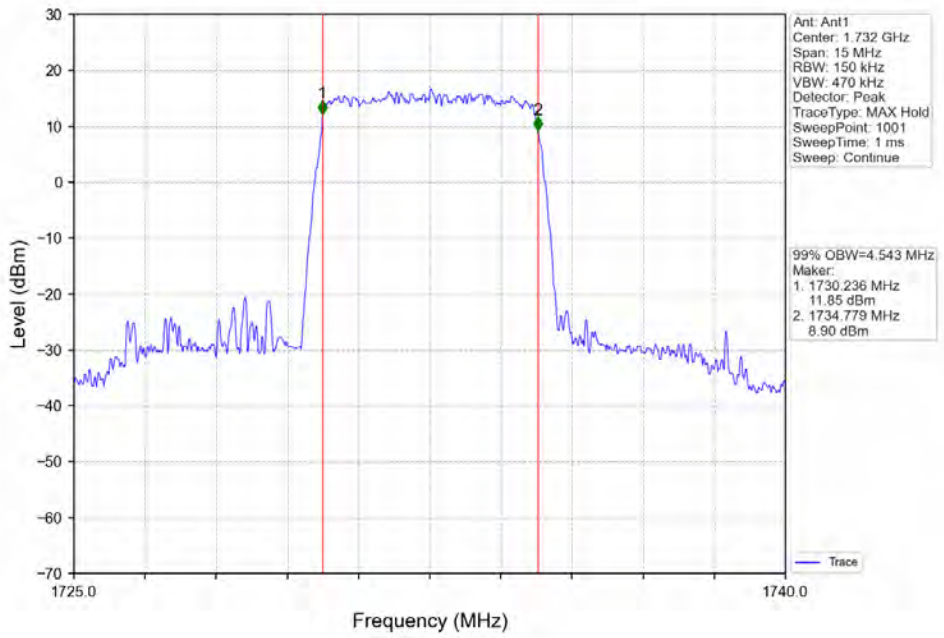
Band_4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



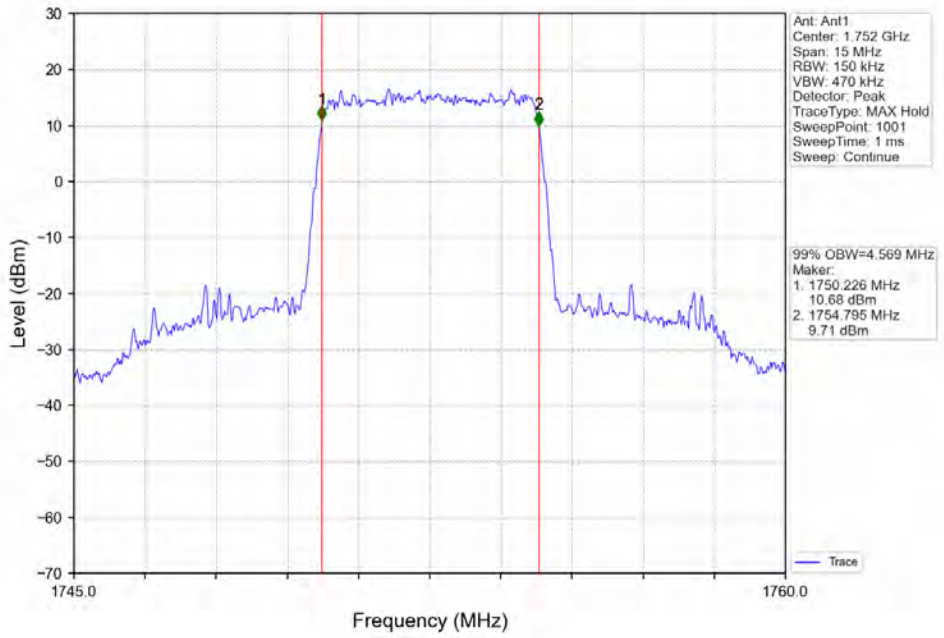
Band_4_5MHz_16QAM_LCH_174.0.5MHz_RB_25_0_NTNV



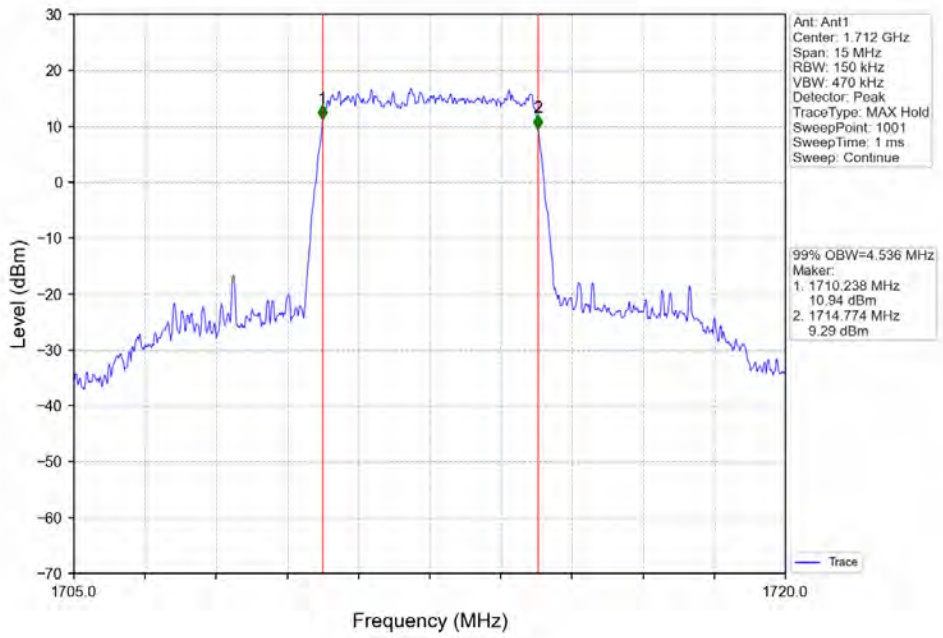
Band_4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



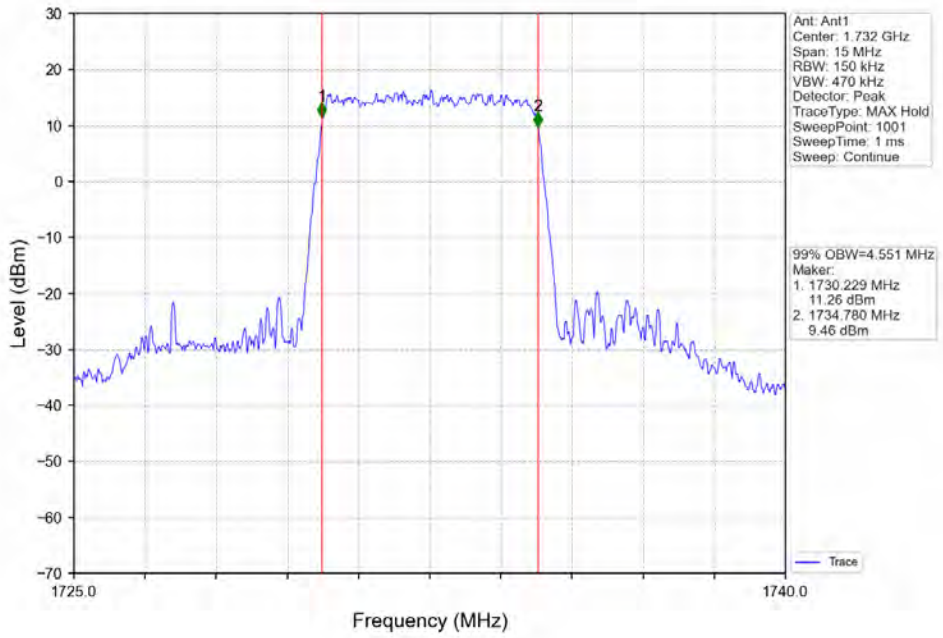
Band_4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



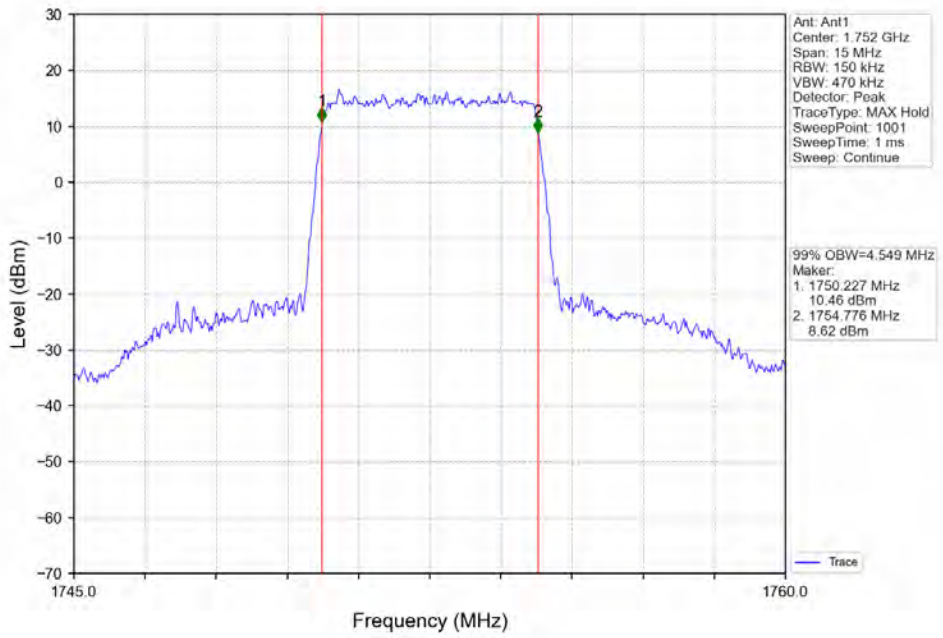
Band_4_5MHz_64QAM_LCH_174.0.5MHz_RB_25_0_NTNV



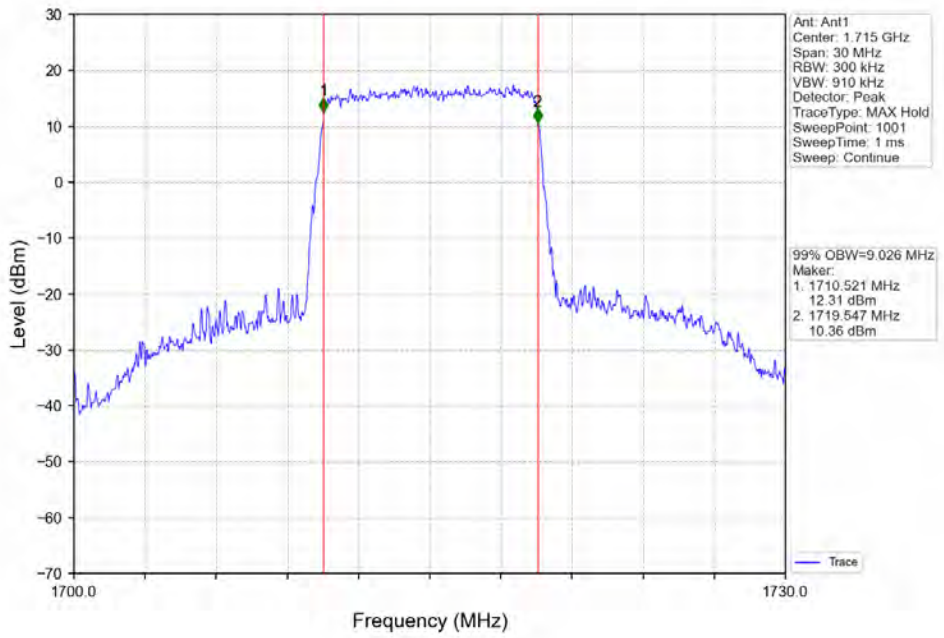
Band_4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



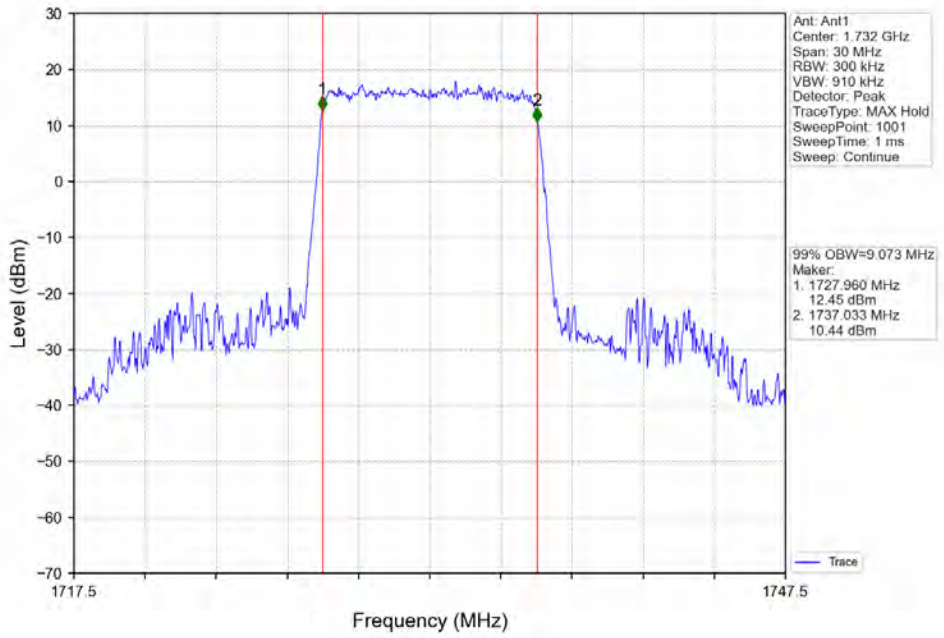
Band_4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



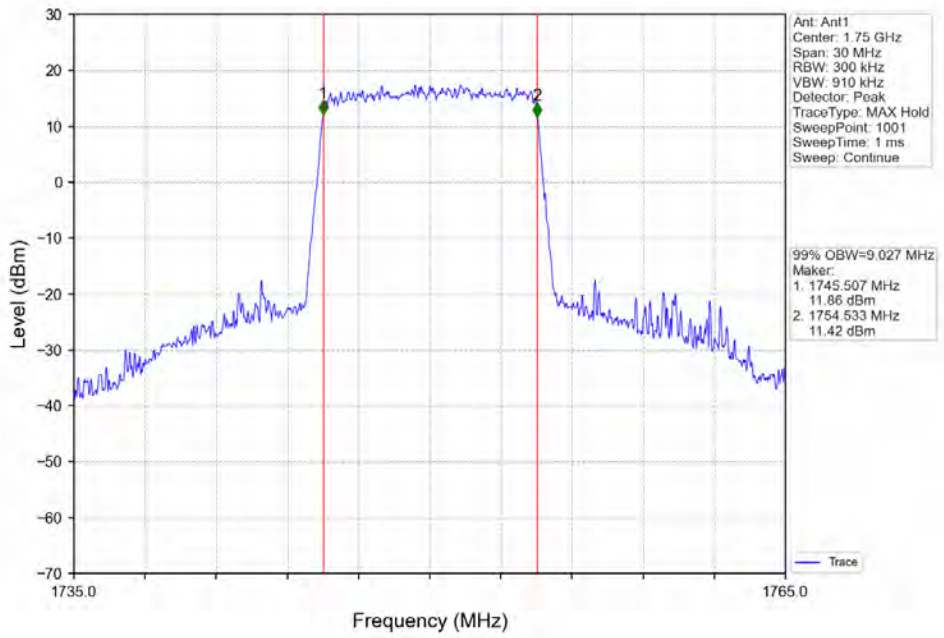
Band_4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



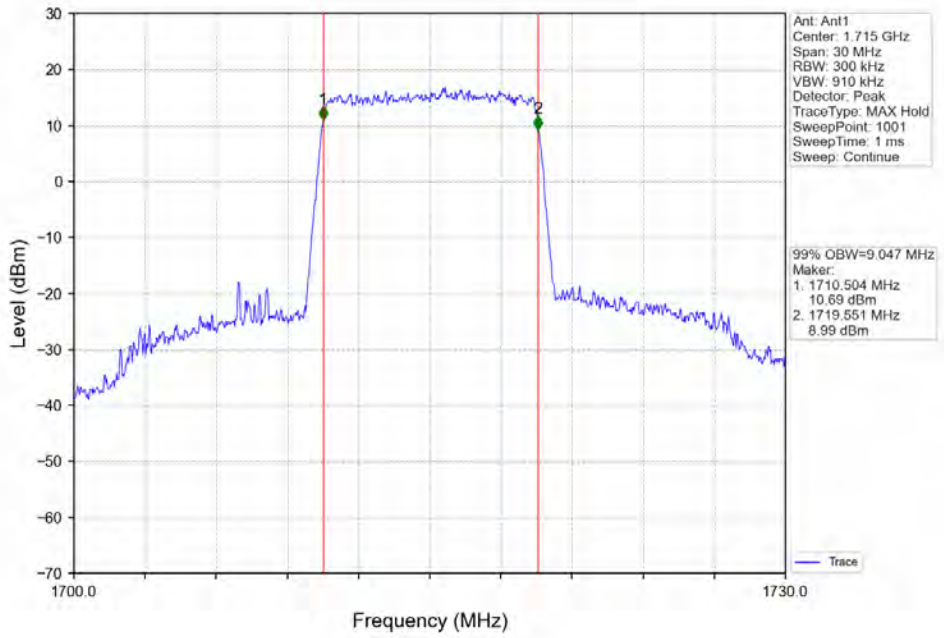
Band_4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



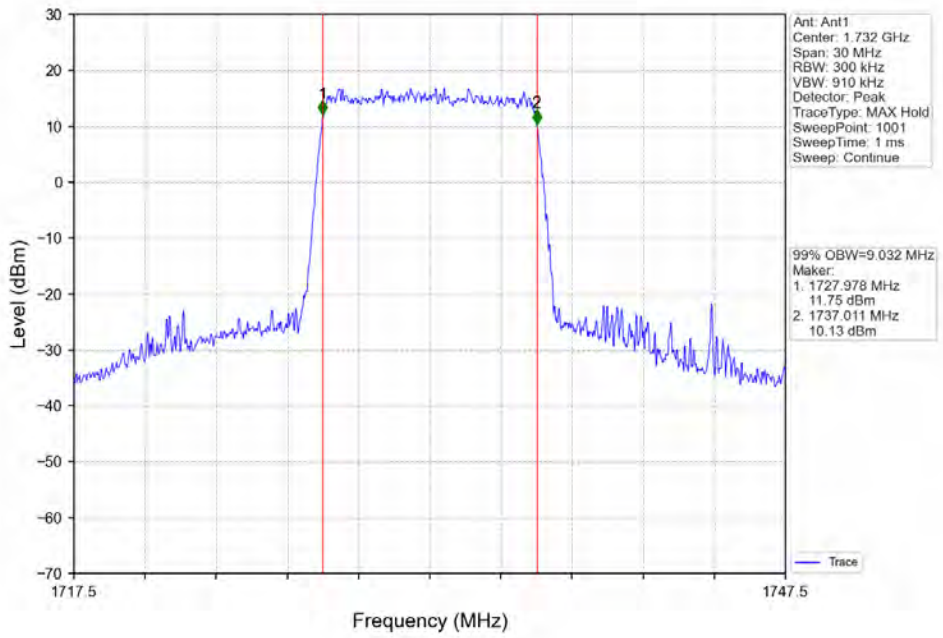
Band_4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



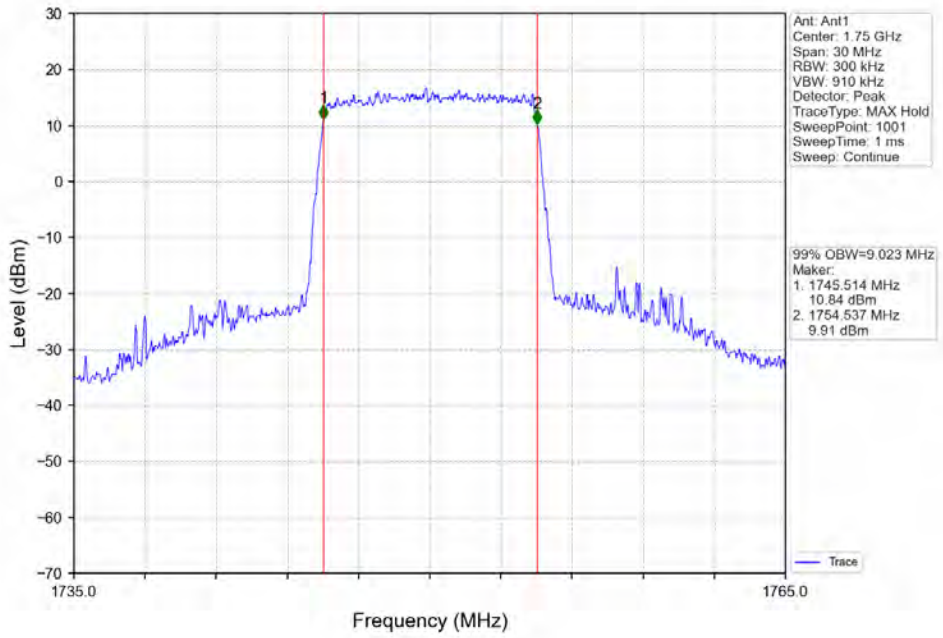
Band_4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



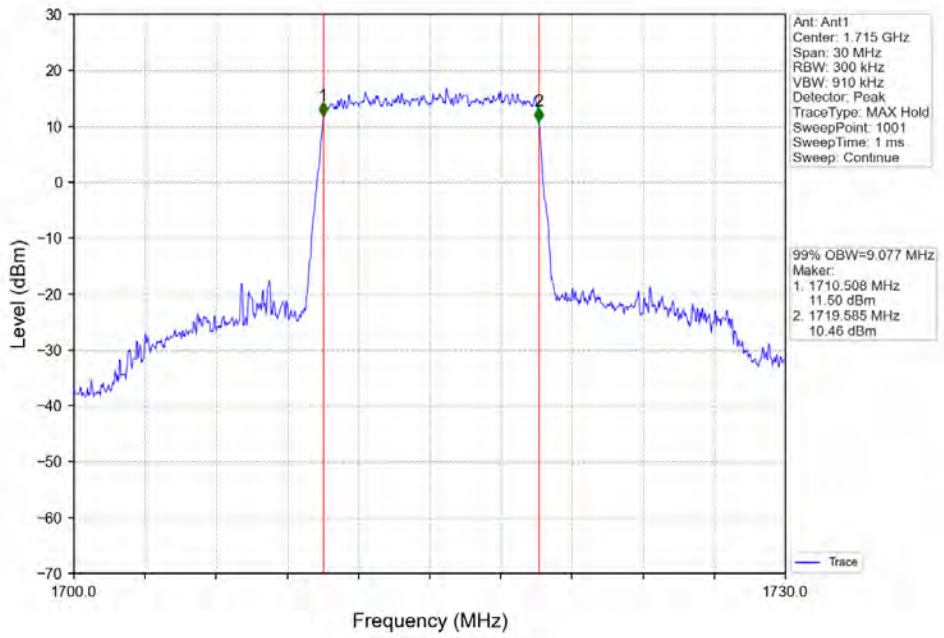
Band_4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



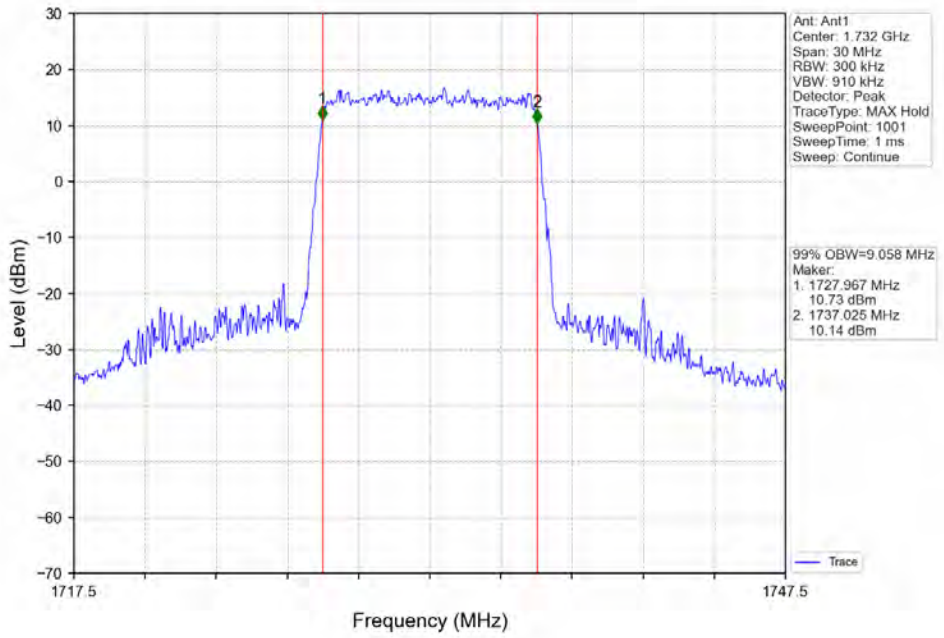
Band_4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



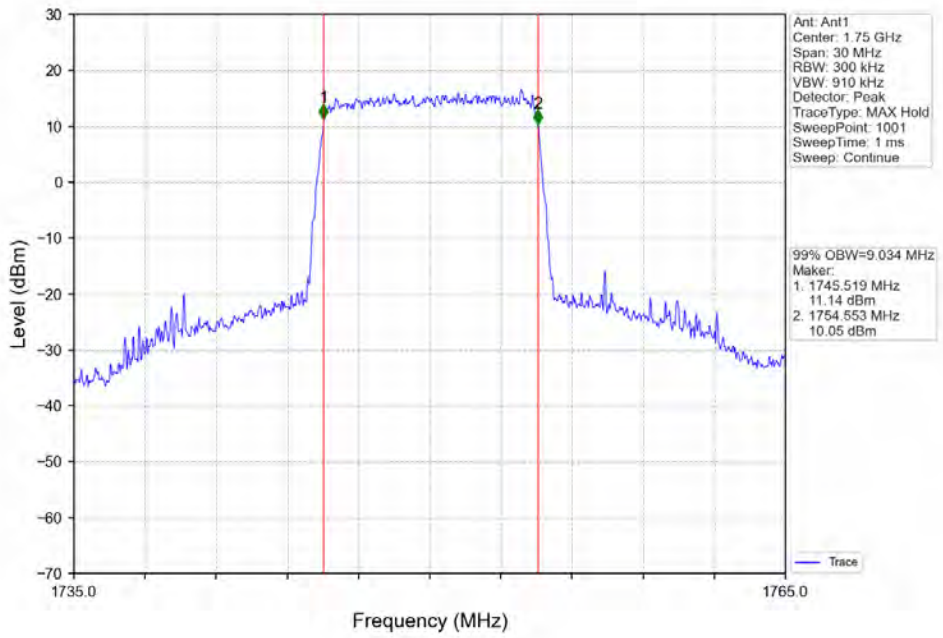
Band_4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



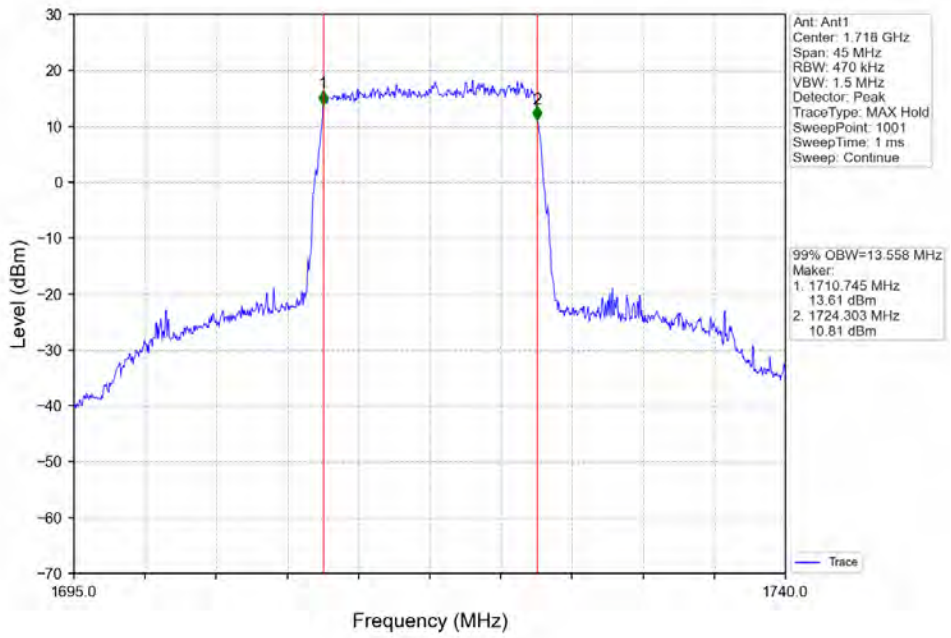
Band_4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



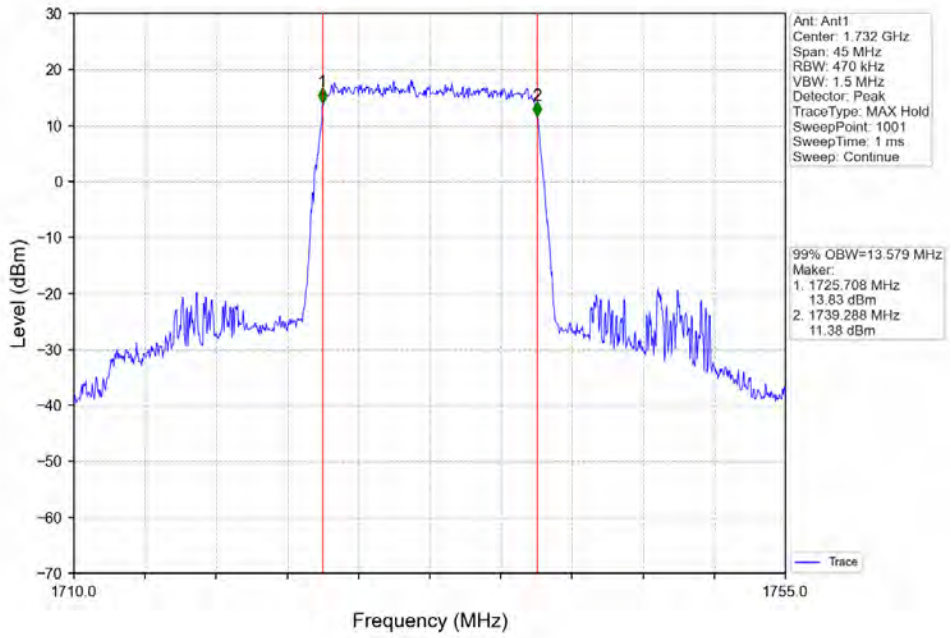
Band_4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



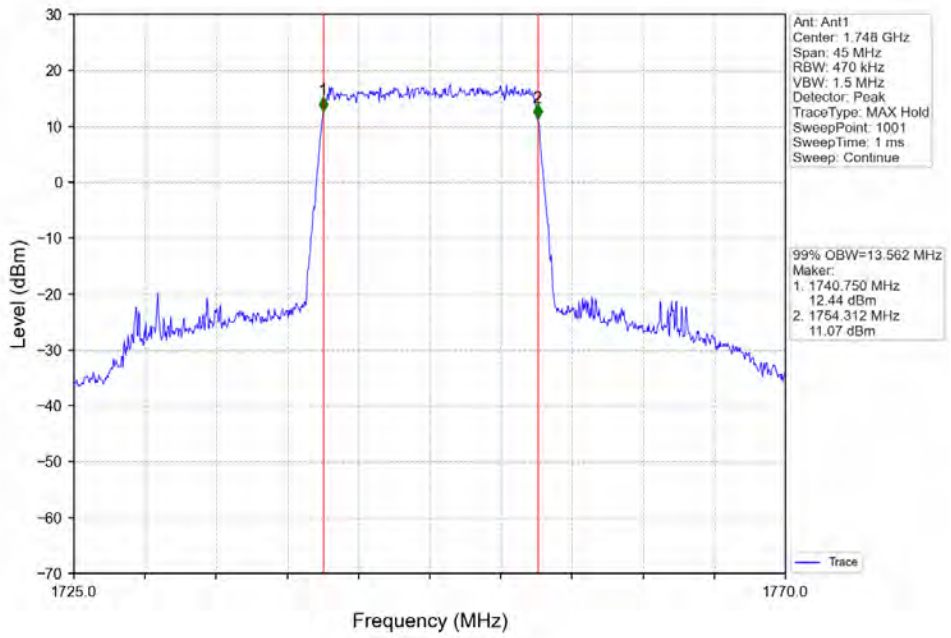
Band_4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



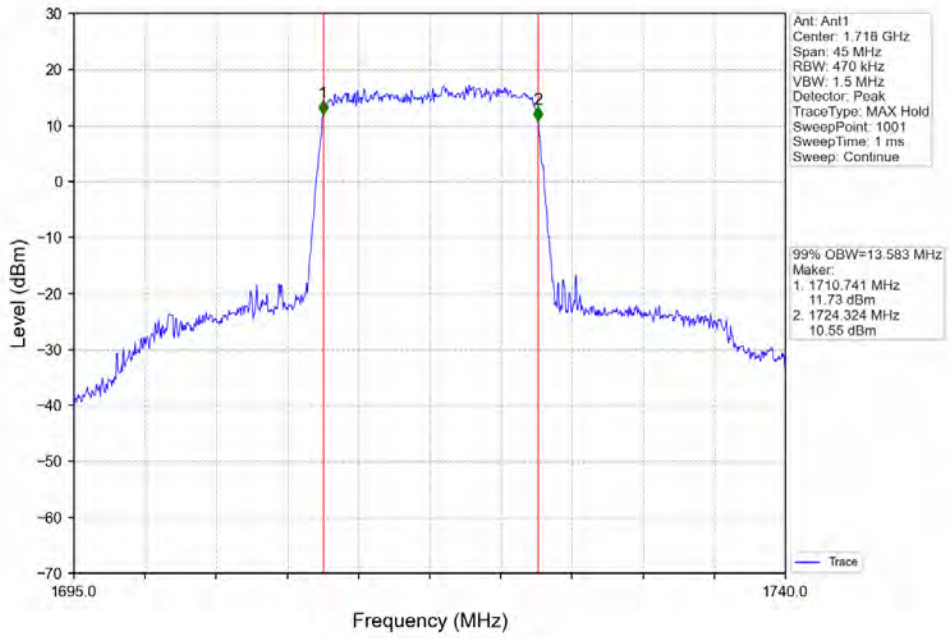
Band_4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



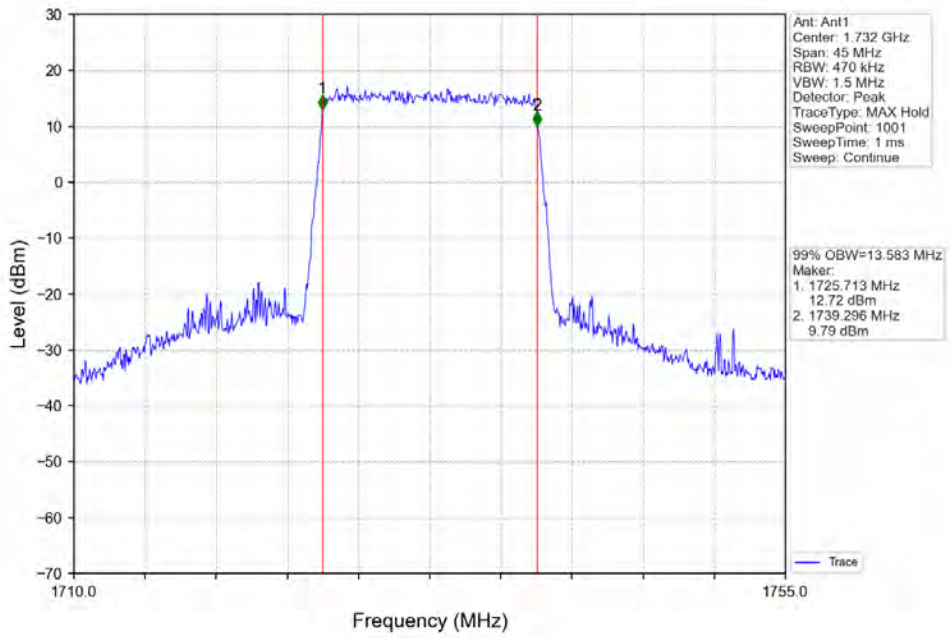
Band_4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



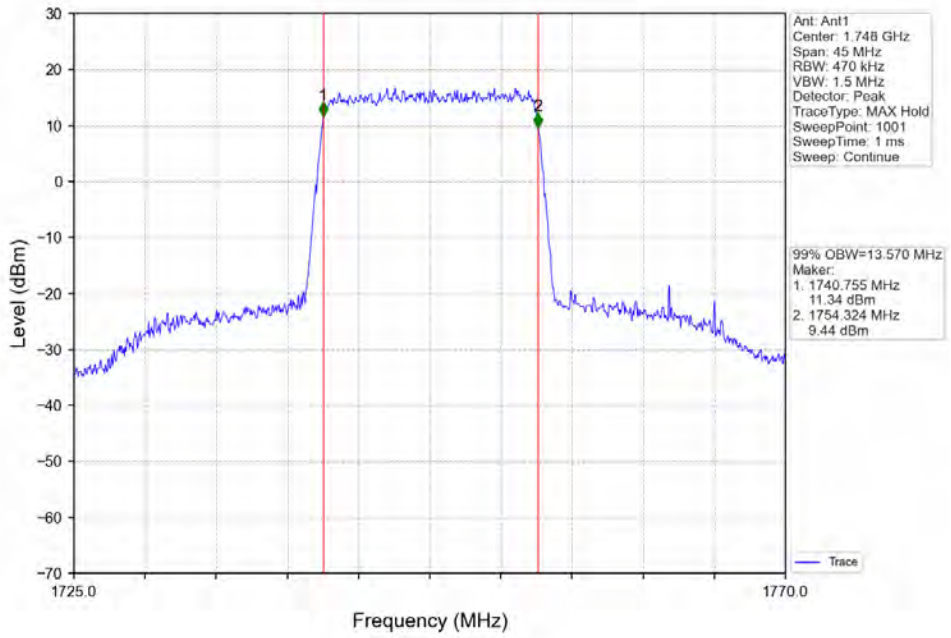
Band_4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



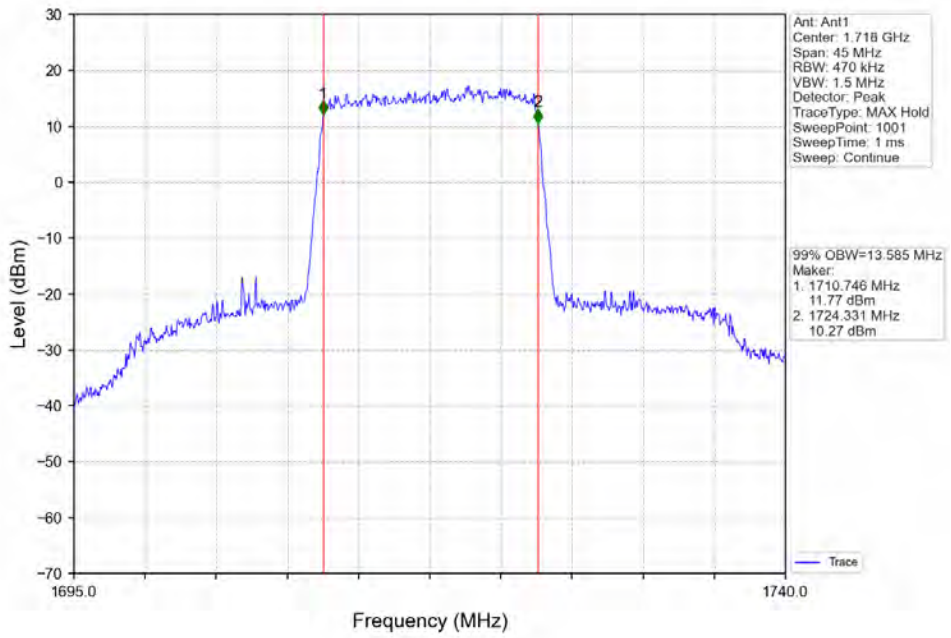
Band_4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



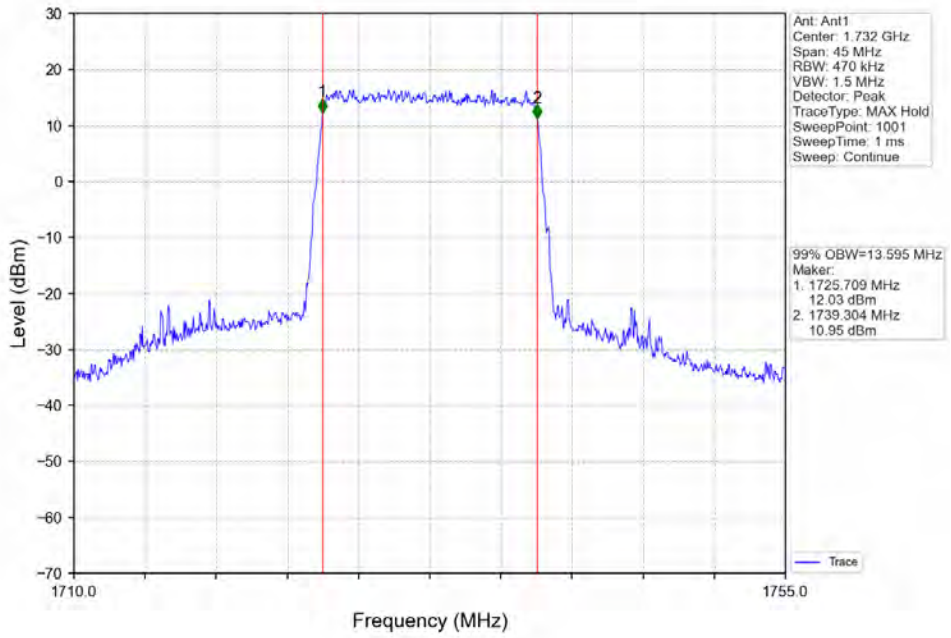
Band_4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



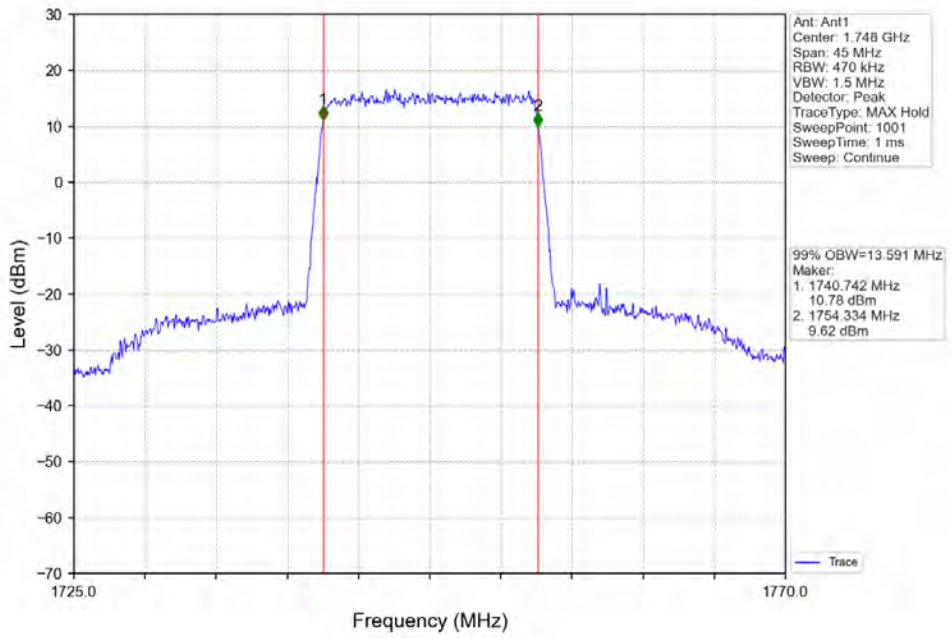
Band_4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



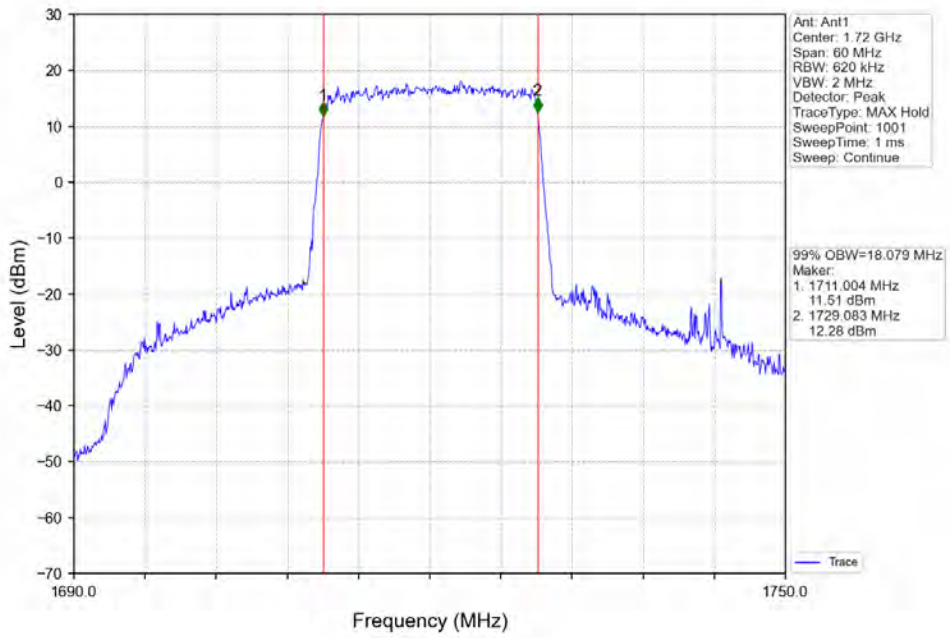
Band_4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV



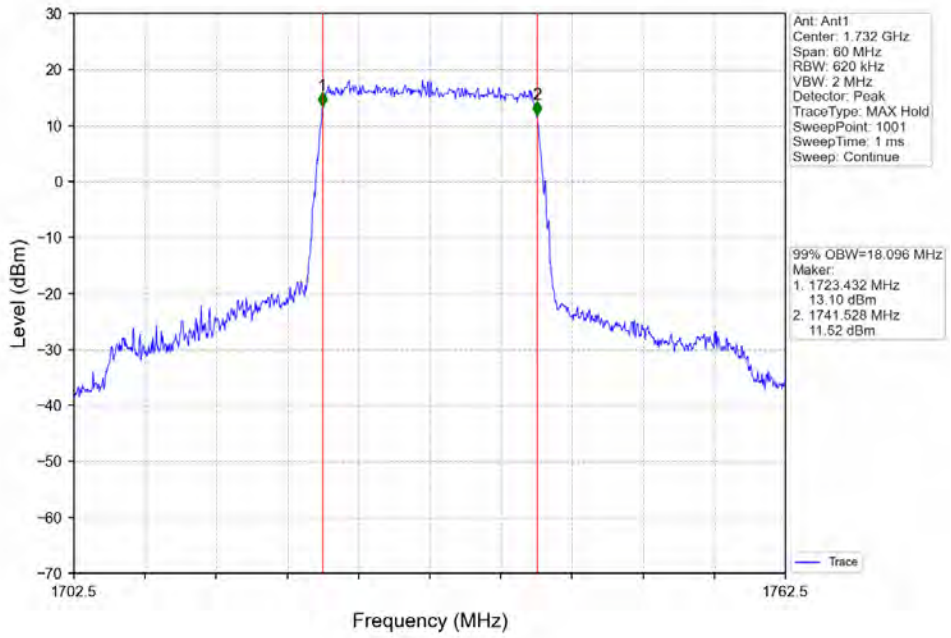
Band_4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV



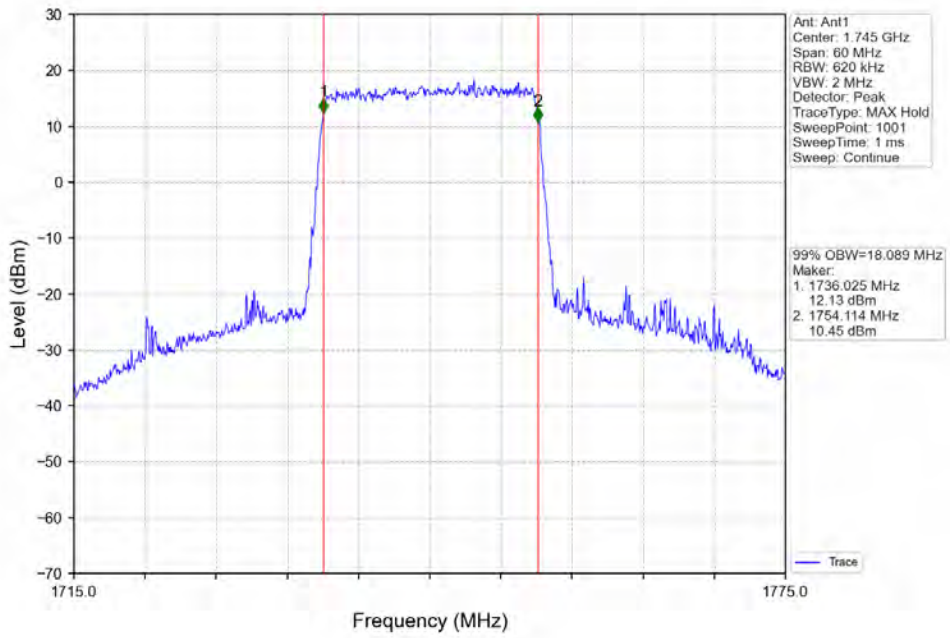
Band_4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



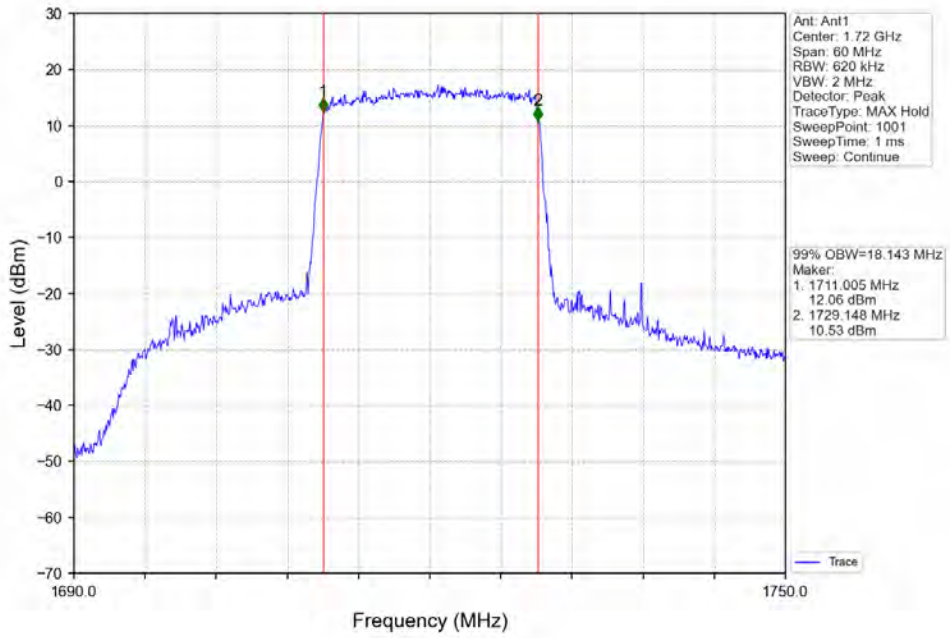
Band_4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



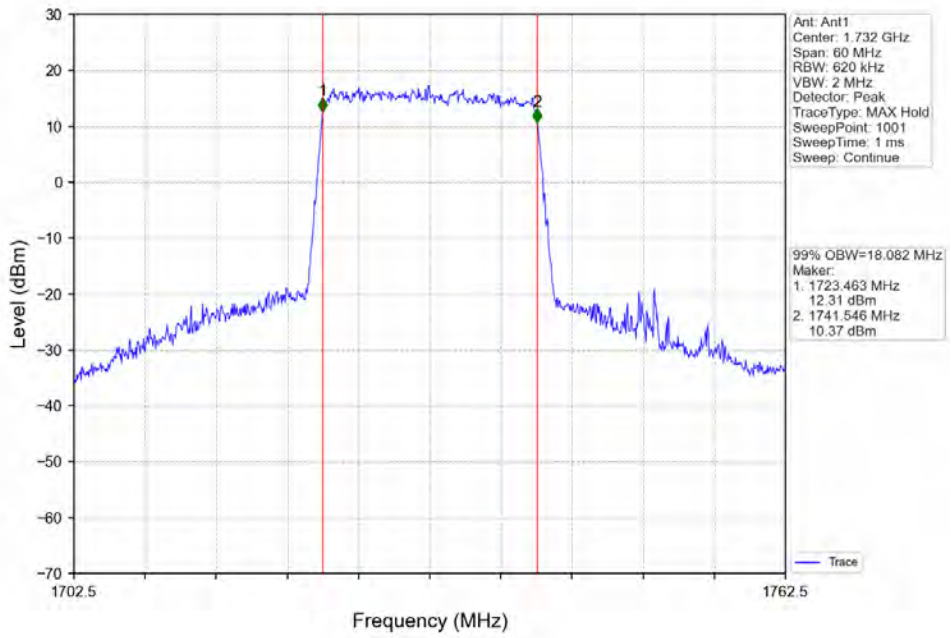
Band_4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



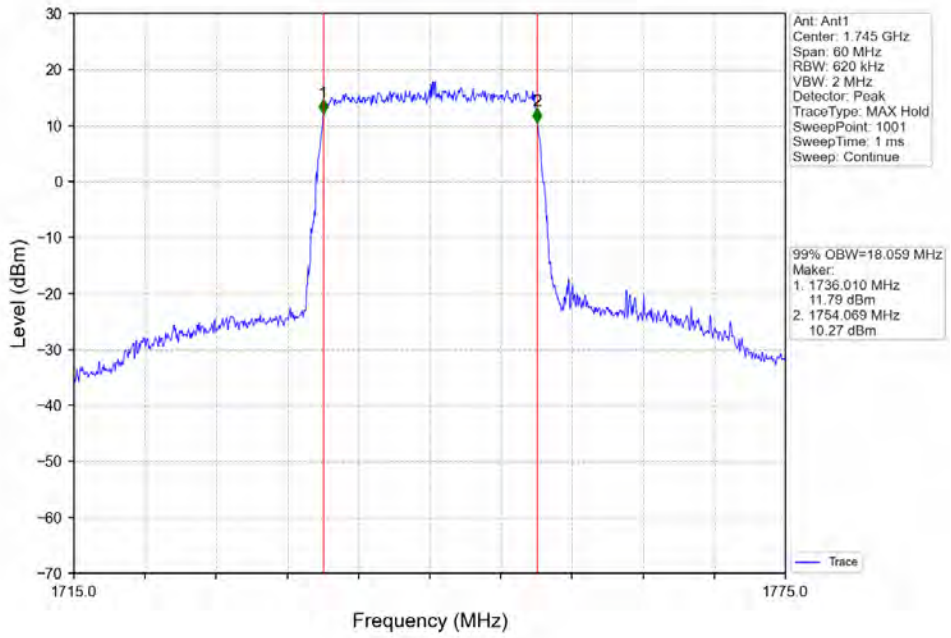
Band_4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



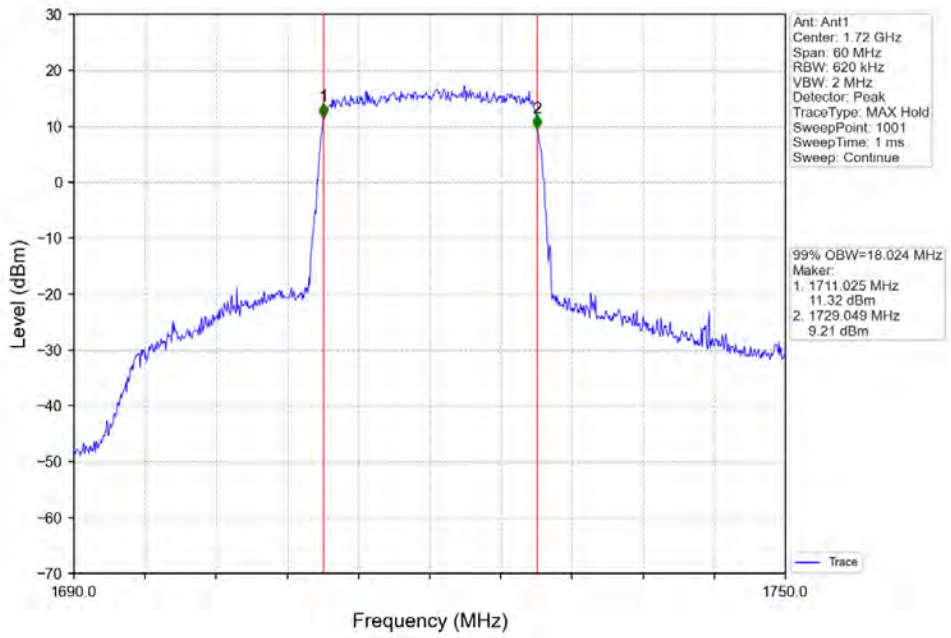
Band_4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



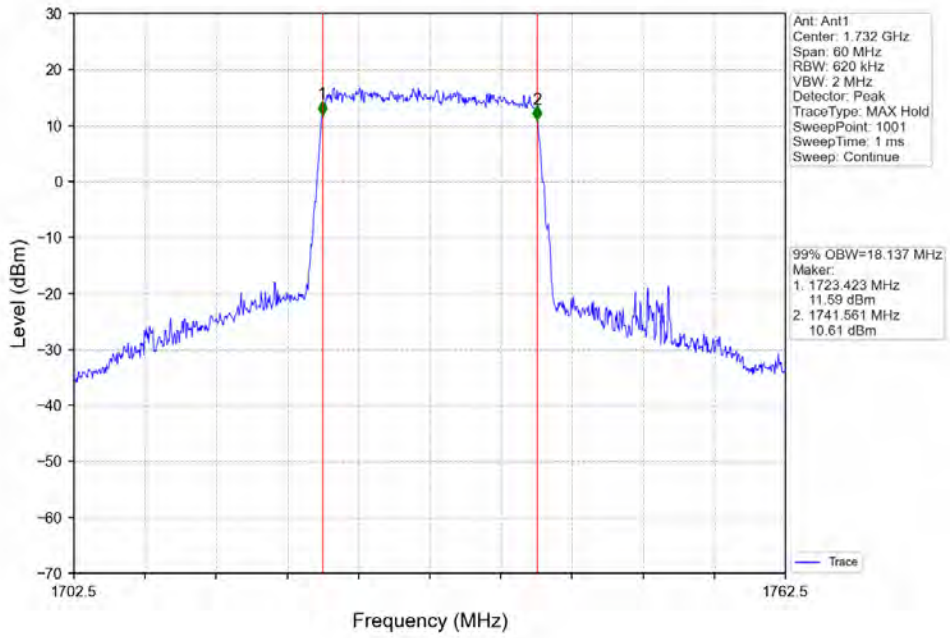
Band_4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



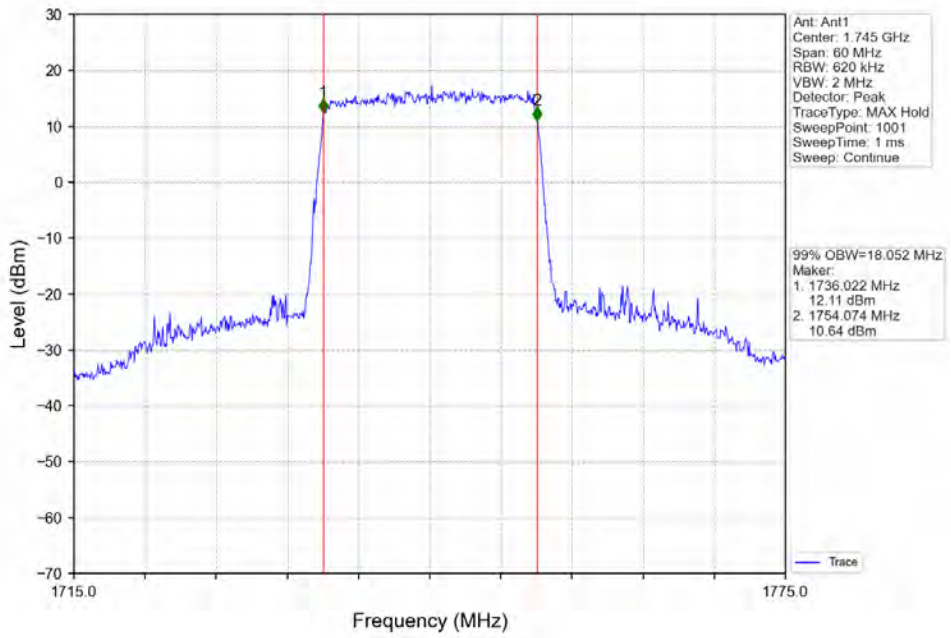
Band_4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band_4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band_4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV

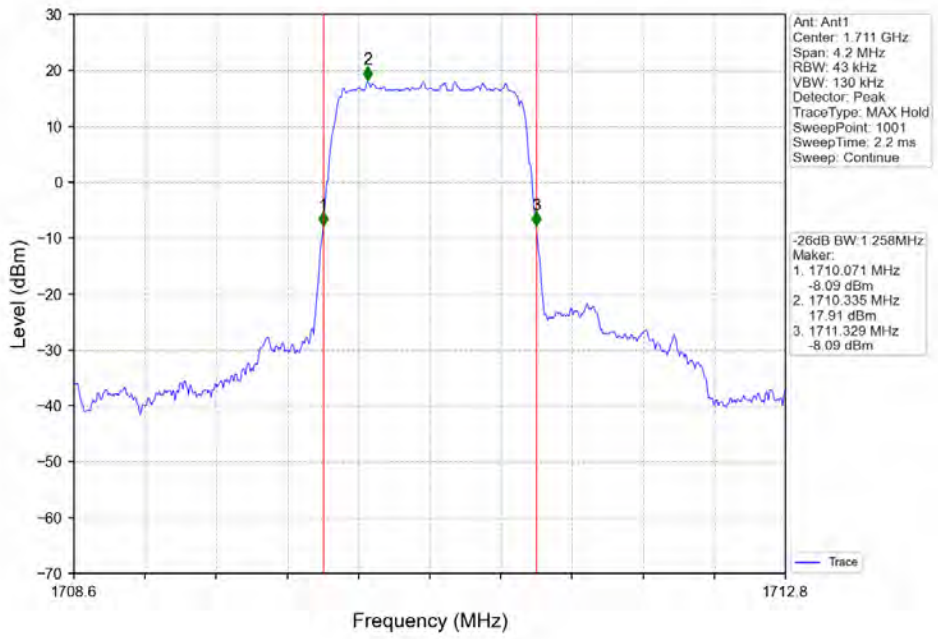


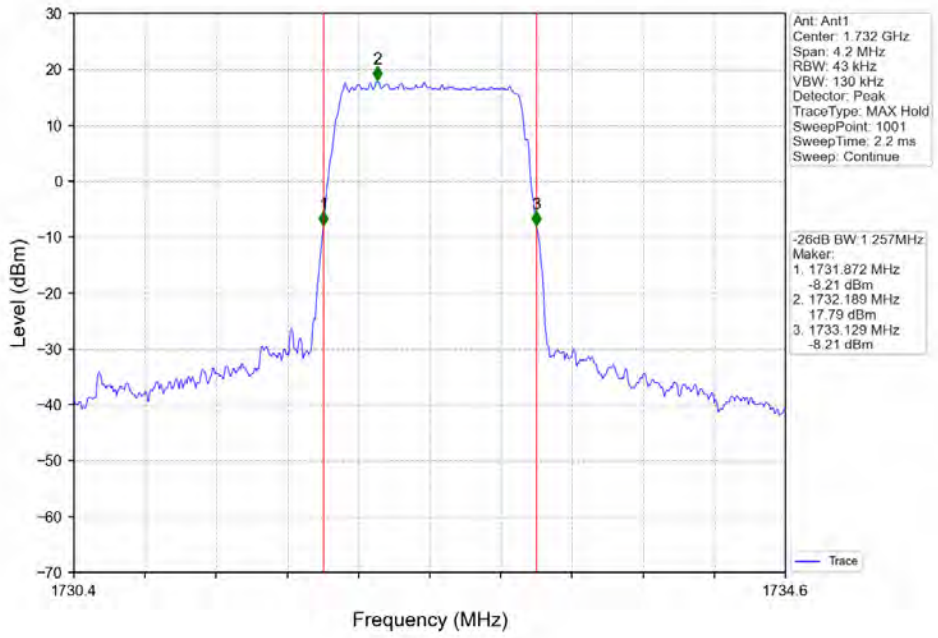
2.2 LTE Band 4_26DB

2.2.1 Test Result

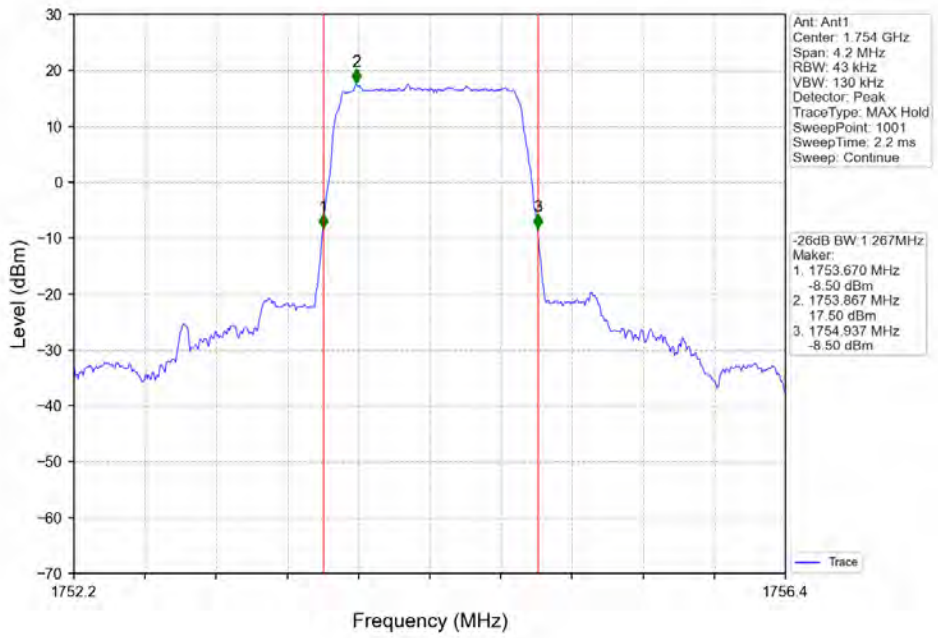
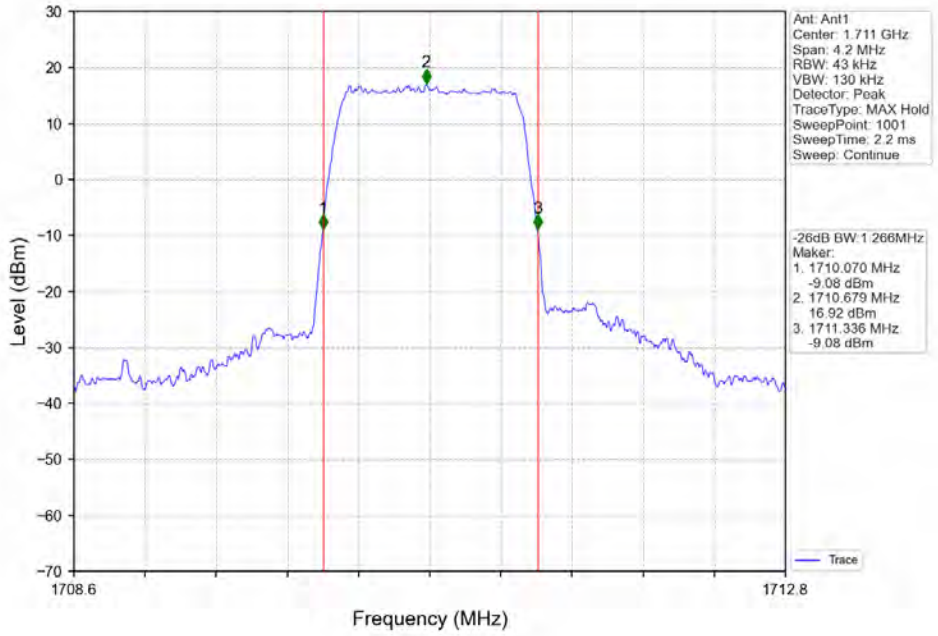
Band: 4 / Bandwidth: 1.4MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.258	1.257	1.267	/	Pass
16QAM	6	0	1.266	1.252	1.266	/	Pass
64QAM	6	0	1.267	1.278	1.268	/	Pass
Band: 4 / Bandwidth: 3MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.075	3.069	3.058	/	Pass
16QAM	15	0	3.039	3.088	3.068	/	Pass
64QAM	15	0	3.079	3.084	3.045	/	Pass
Band: 4 / Bandwidth: 5MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.016	5.048	5.048	/	Pass
16QAM	25	0	5.044	5.071	5.048	/	Pass
64QAM	25	0	5.040	5.066	5.046	/	Pass
Band: 4 / Bandwidth: 10MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.022	9.942	9.960	/	Pass
16QAM	50	0	9.977	9.961	9.954	/	Pass
64QAM	50	0	9.994	10.000	9.939	/	Pass
Band: 4 / Bandwidth: 15MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	15.000	15.034	14.971	/	Pass
16QAM	75	0	14.904	14.969	14.966	/	Pass
64QAM	75	0	14.903	15.005	14.992	/	Pass
Band: 4 / Bandwidth: 20MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	19.777	20.031	19.663	/	Pass
16QAM	100	0	19.756	19.830	19.84.0	/	Pass
64QAM	100	0	19.700	19.896	19.777	/	Pass

2.2.2 Test Graph

Band_4_1.4MHz _QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band_4_1.4MHz _QPSK_MCH_1732.5MHz_RB_6_0_NTNV


Ant: Ant1
Center: 1.732 GHz
Span: 4.2 MHz
RBW: 43 kHz
VBW: 130 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 2.2 ms
Sweep: Continue
-26dB BW:1.257MHz
Maker:
1. 1731.872 MHz
-8.21 dBm
2. 1732.189 MHz
17.79 dBm
3. 1733.129 MHz
-8.21 dBm
Trace
Level (dBm)
Frequency (MHz)
1730.4
1734.6

Band_4_1.4MHz _QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band_4_1.4MHz _16QAM_LCH_1710.7MHz_RB_6_0_NTNV