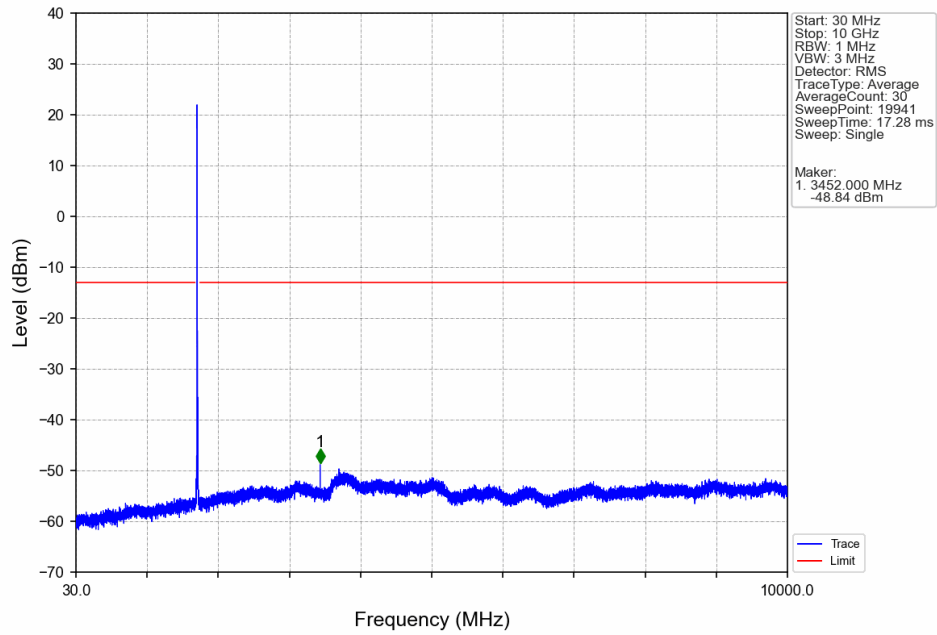
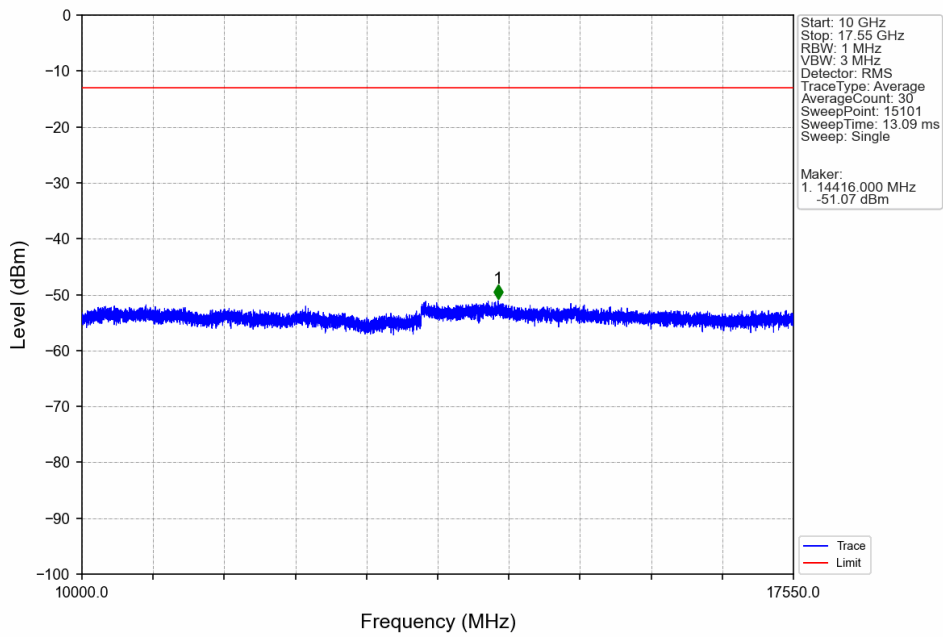


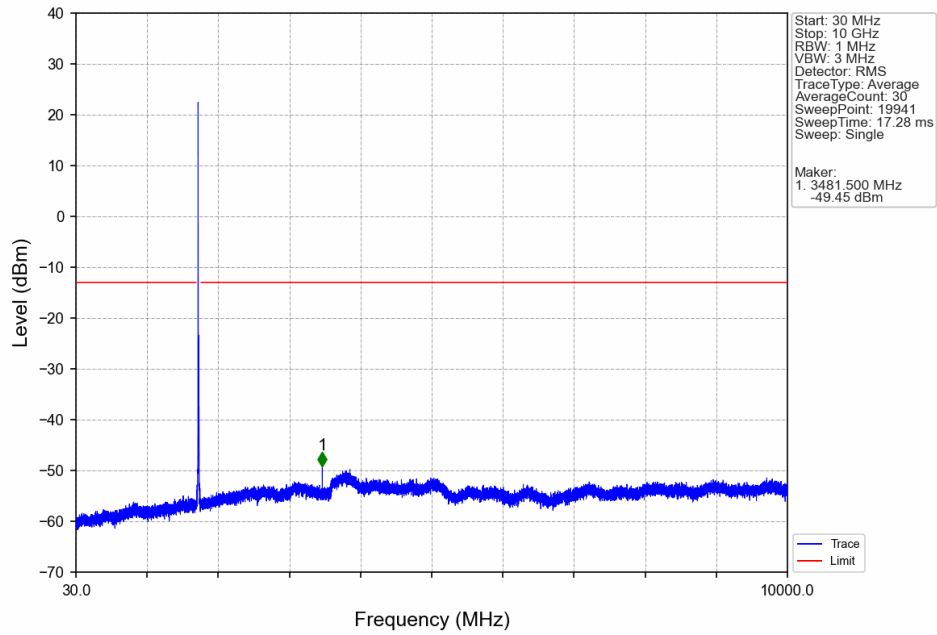
Band4 15MHz QPSK MCH 1732.5MHz RB 1 0 NTV



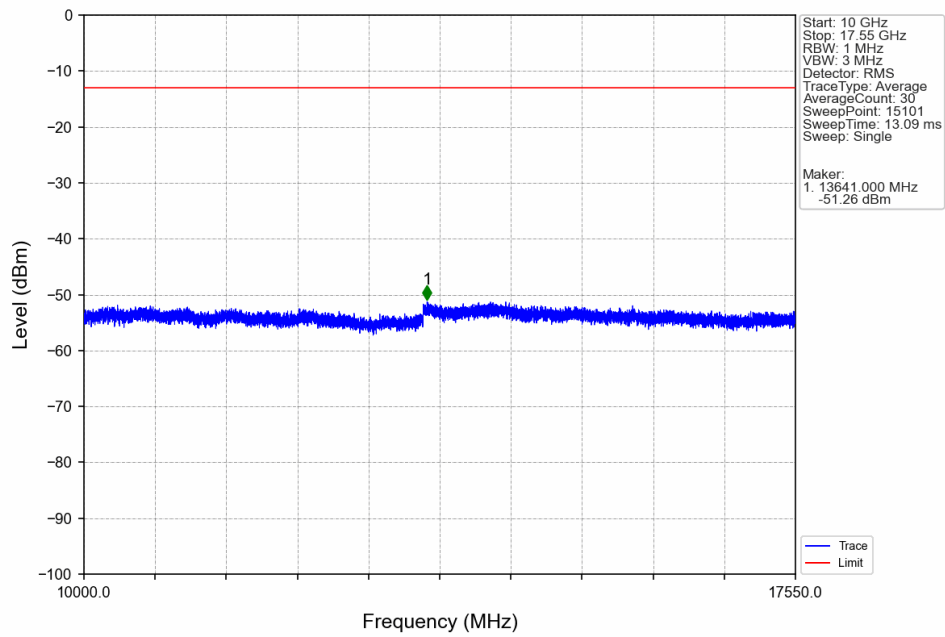
Band4 15MHz QPSK MCH 1732.5MHz RB 1 0 NTV



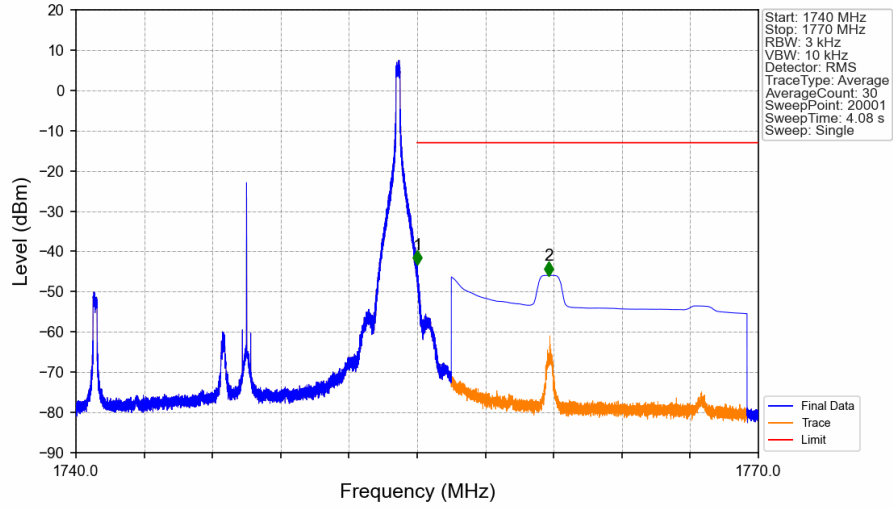
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV



Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV

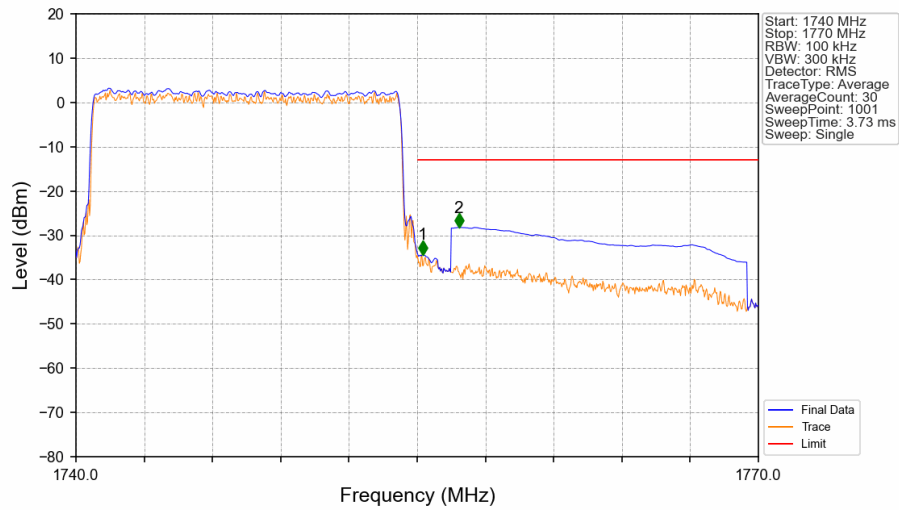


Band4 15MHz QPSK HCH 1747.5MHz RB 1 74 NTNV



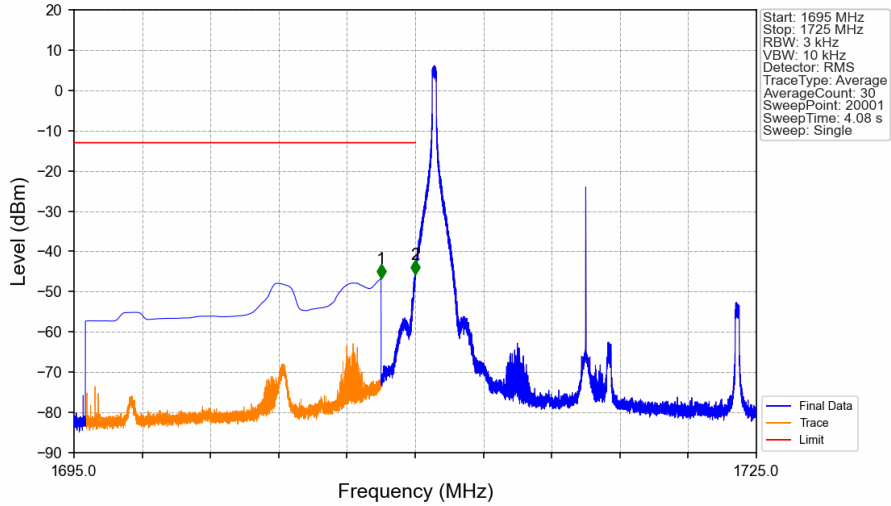
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-43.19	-13	Pass
1756	1770	1	CHP	2	1760.783	-45.96	-13	Pass

Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



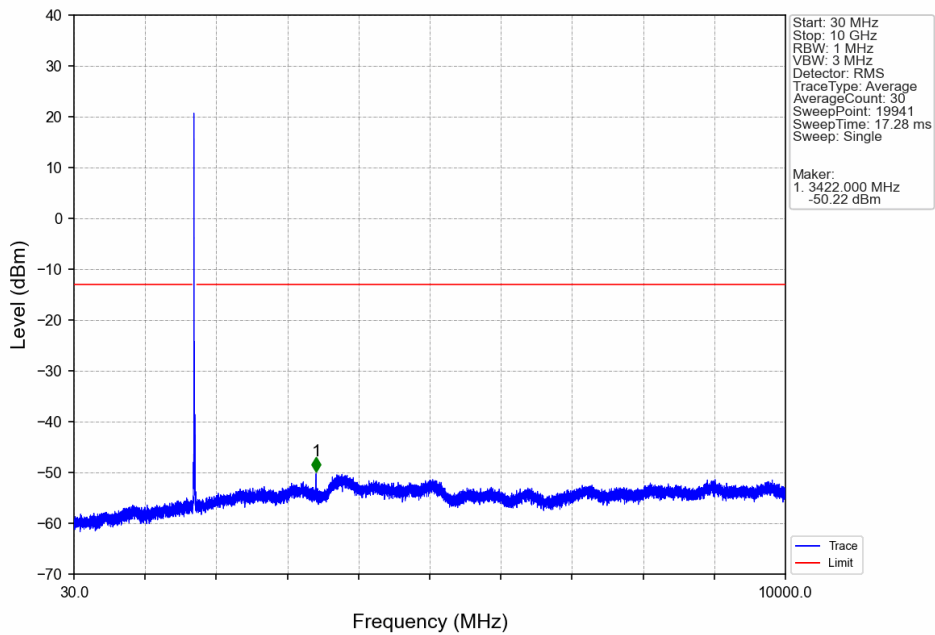
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.152	CHP	/	/	/	/	/
1755	1756	0.152	CHP	1	1755.240	-34.32	-13	Pass
1756	1770	1	CHP	2	1756.830	-28.22	-13	Pass

Band4 15MHz 16QAM LCH 1717.5MHz RB 1 0 NTNV

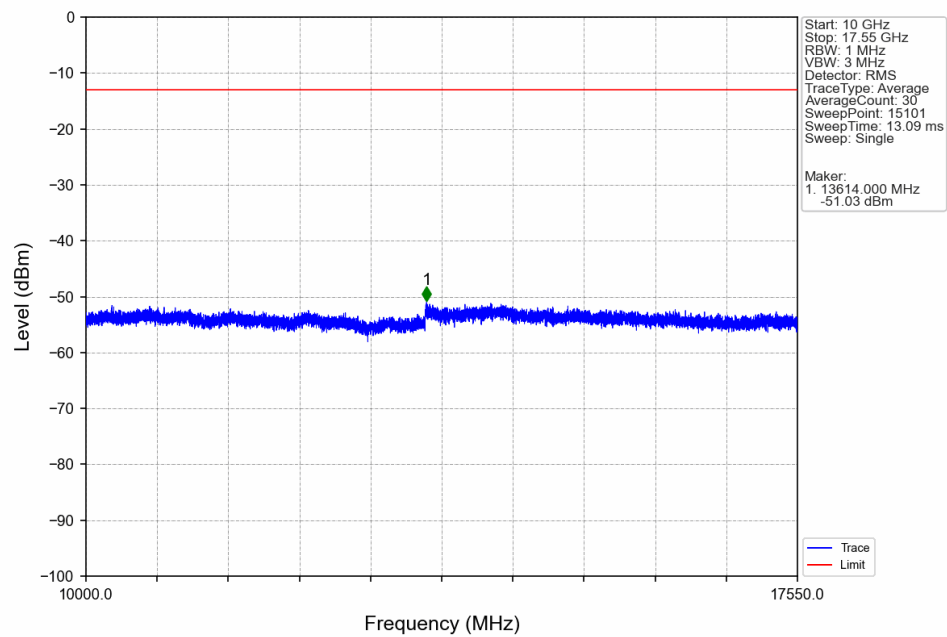


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.500	-46.73	-13	Pass
1709	1710	0.003	/	2	1709.997	-45.62	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

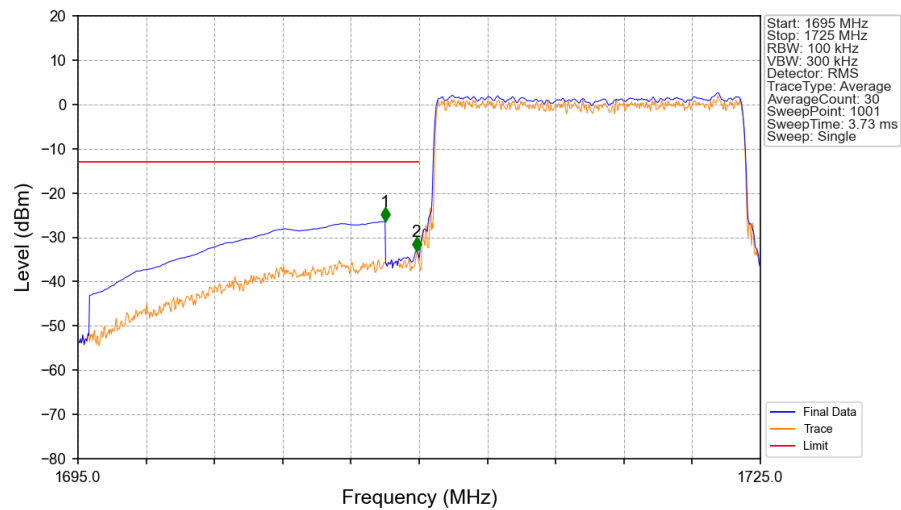
Band4 15MHz 16QAM LCH 1717.5MHz RB 1 0 NTNV



Band4 15MHz 16QAM LCH 1717.5MHz RB 1 0 NTNV

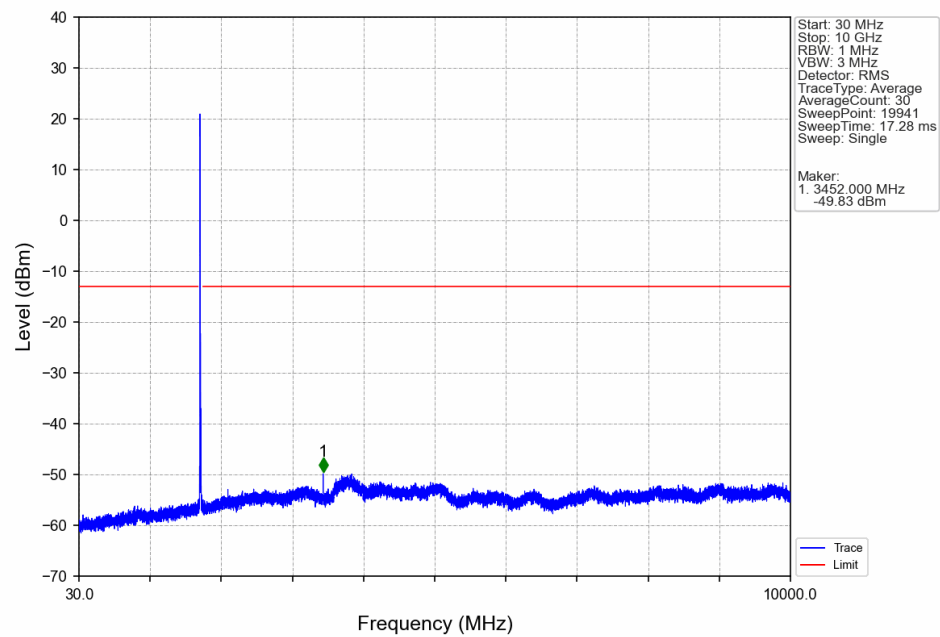


Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV

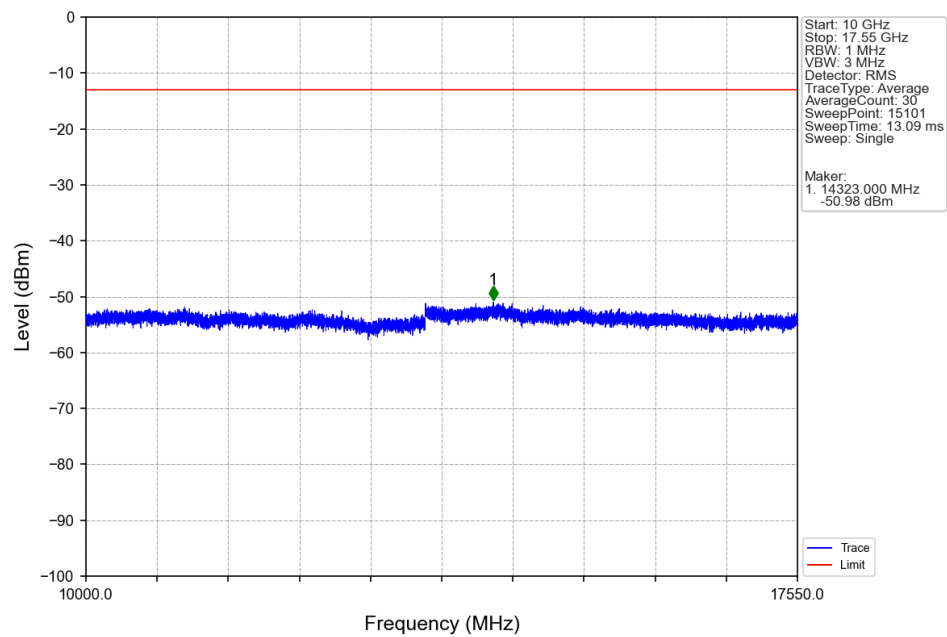


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.500	-26.45	-13	Pass
1709	1710	0.152	CHP	2	1709.880	-33.11	-13	Pass
1710	1725	0.152	CHP	/	/	/	/	/

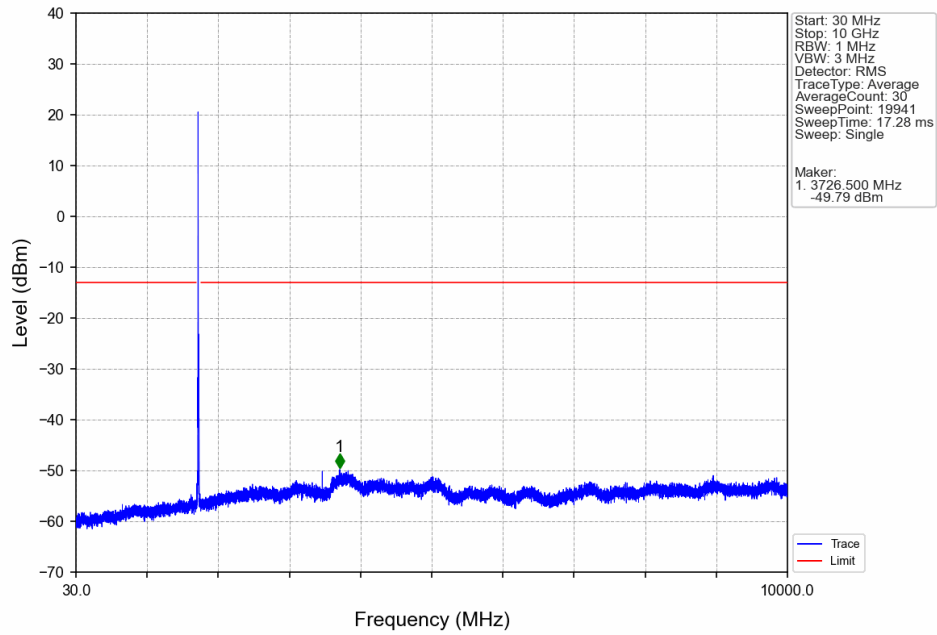
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



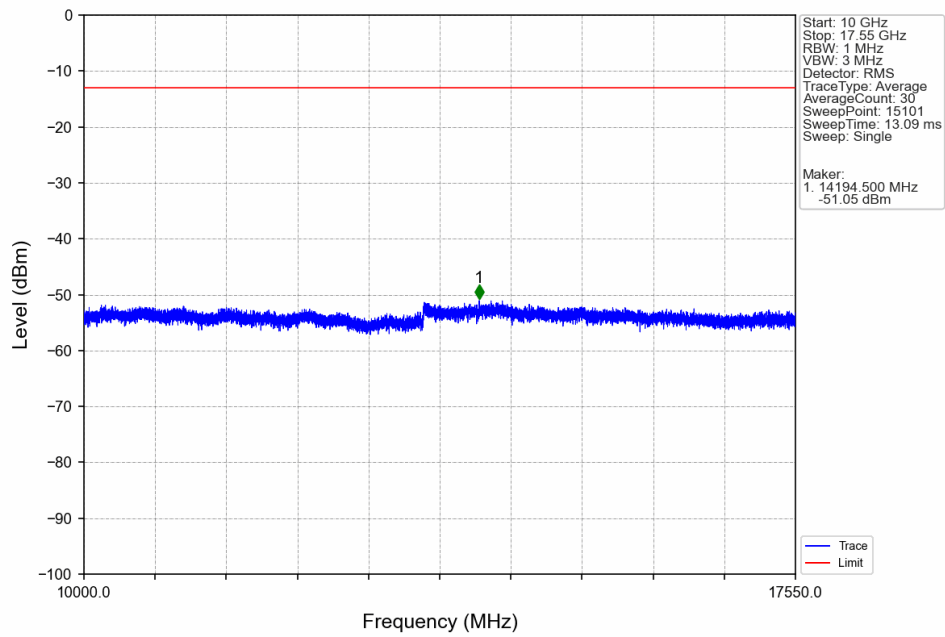
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



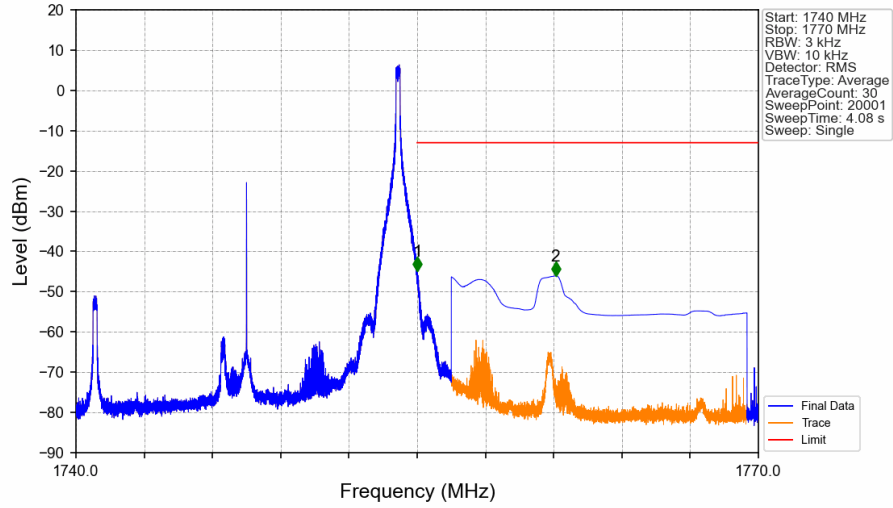
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTNV



Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTNV

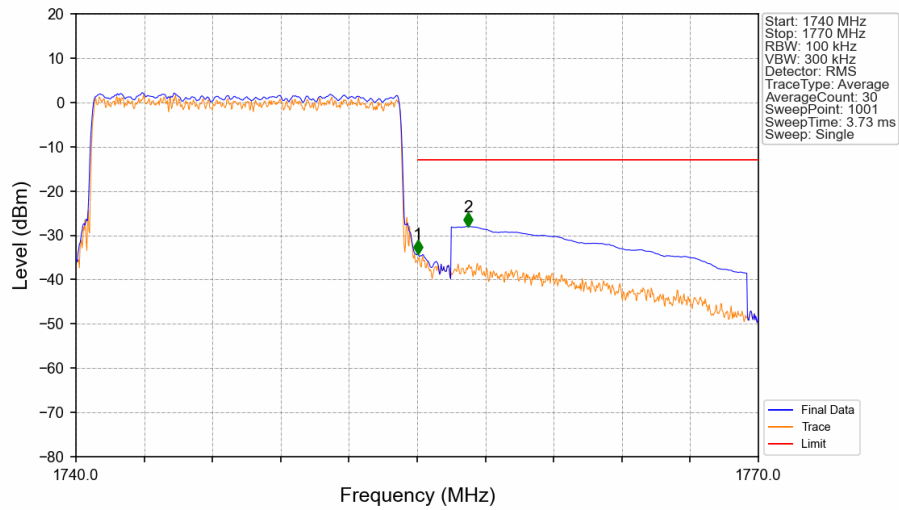


Band4 15MHz 16QAM HCH 1747.5MHz RB 1 74 NTNV



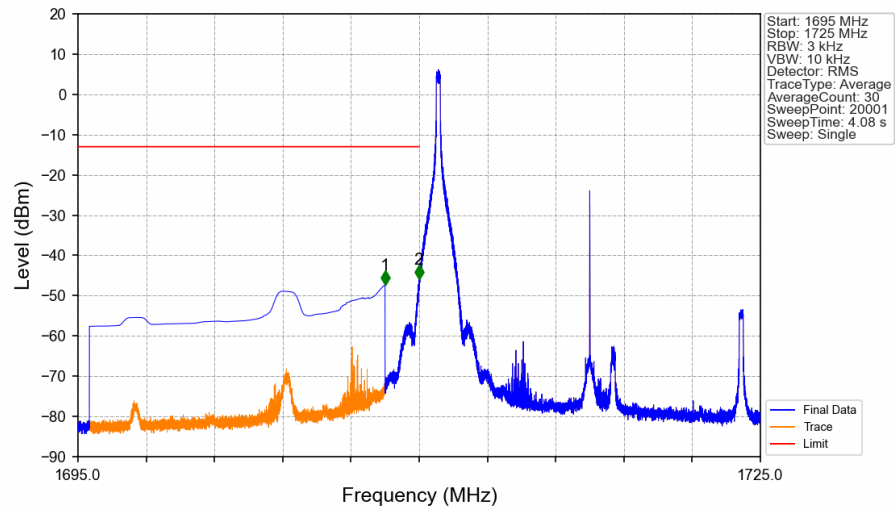
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-44.95	-13	Pass
1756	1770	1	CHP	2	1761.087	-46.08	-13	Pass

Band4 15MHz 16QAM HCH 1747.5MHz RB 75 0 NTNV



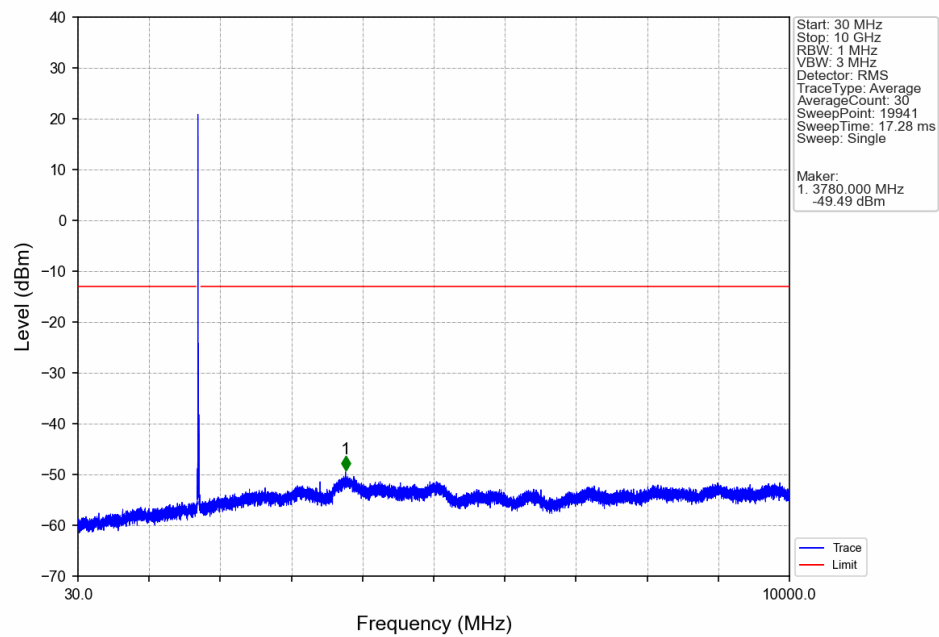
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.153	CHP	/	/	/	/	/
1755	1756	0.153	CHP	1	1755.030	-34.29	-13	Pass
1756	1770	1	CHP	2	1757.250	-28.00	-13	Pass

Band4 15MHz 64QAM LCH 1717.5MHz RB 1 0 NTNV

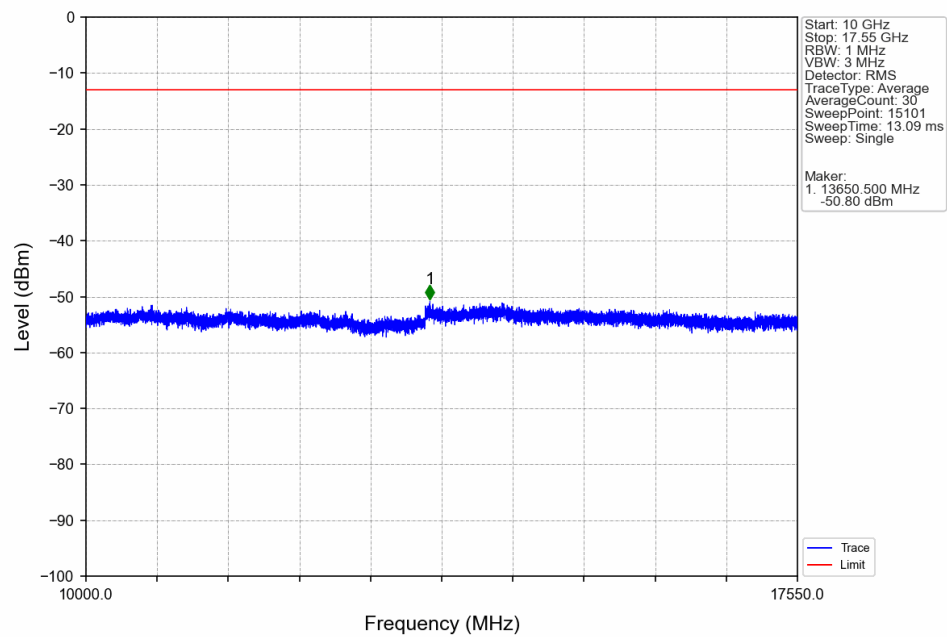


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.500	-47.31	-13	Pass
1709	1710	0.003	/	2	1709.984	-45.91	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

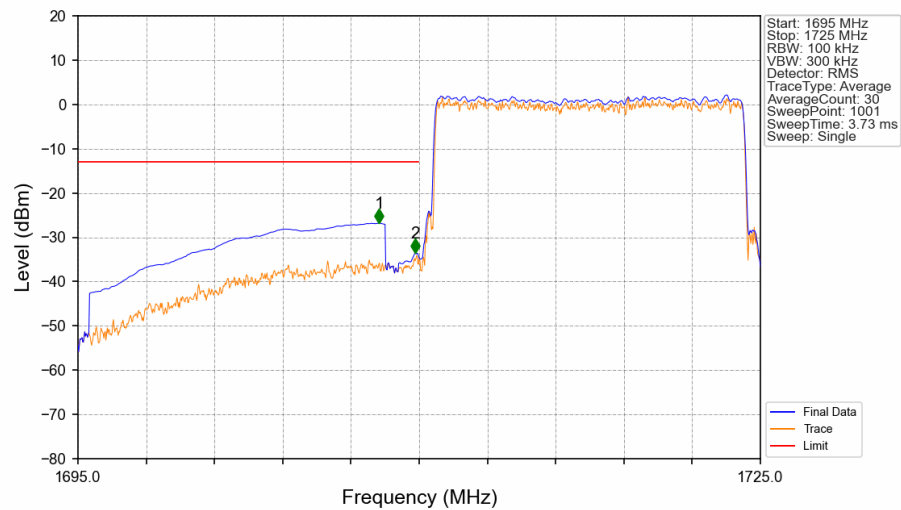
Band4 15MHz 64QAM LCH 1717.5MHz RB 1 0 NTNV



Band4 15MHz 64QAM LCH 1717.5MHz RB 1 0 NTNV

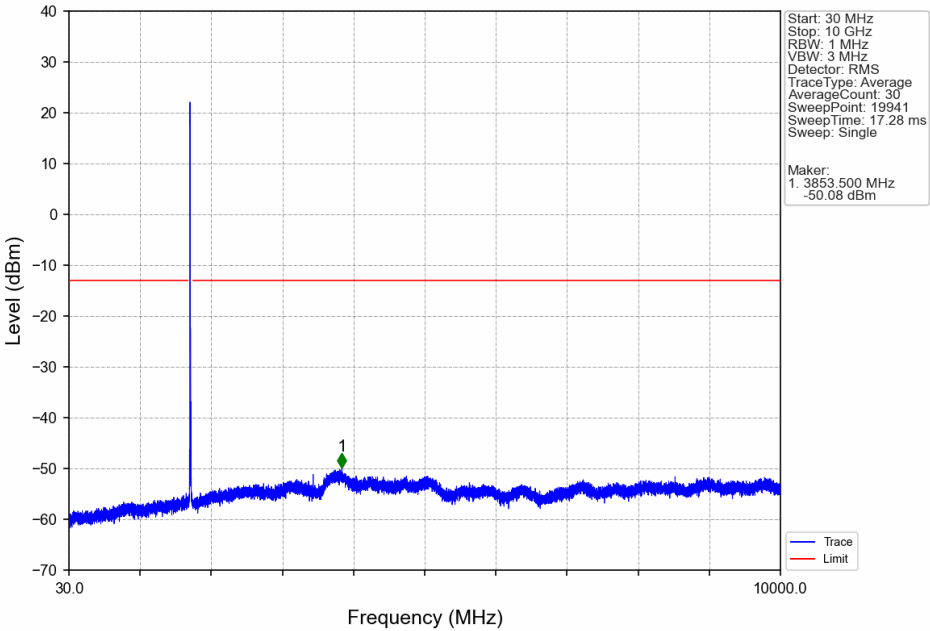


Band4 15MHz 64QAM LCH 1717.5MHz RB 75 0 NTNV

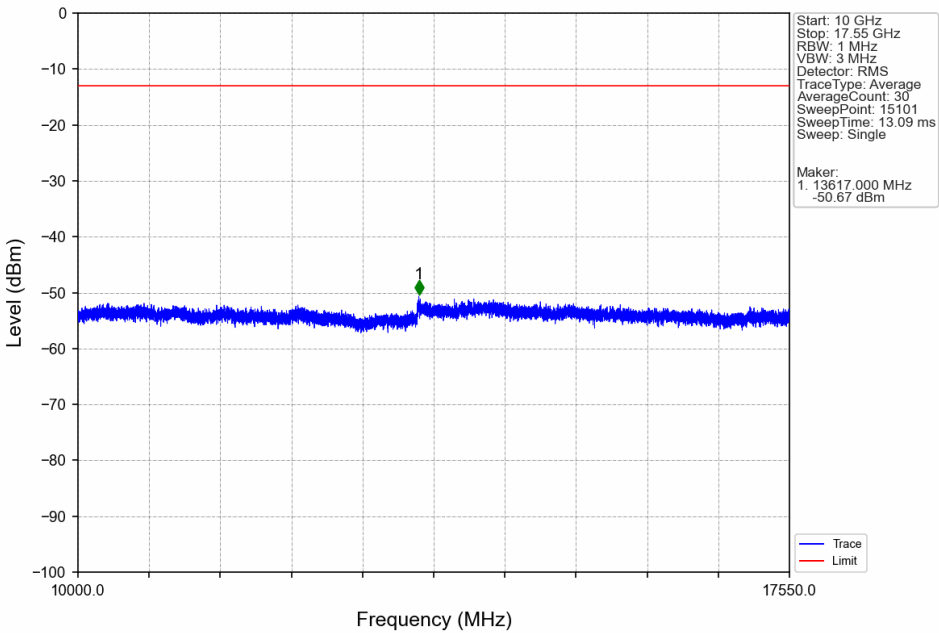


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.230	-26.81	-13	Pass
1709	1710	0.152	CHP	2	1709.820	-33.49	-13	Pass
1710	1725	0.152	CHP	/	/	/	/	/

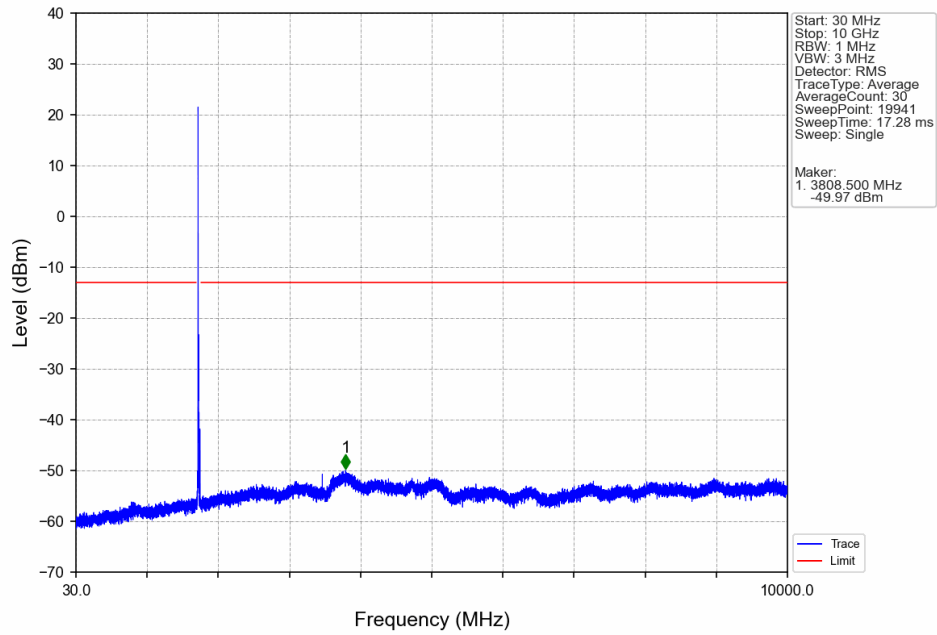
Band4 15MHz 64QAM MCH 1732.5MHz RB 1 0 NTNV



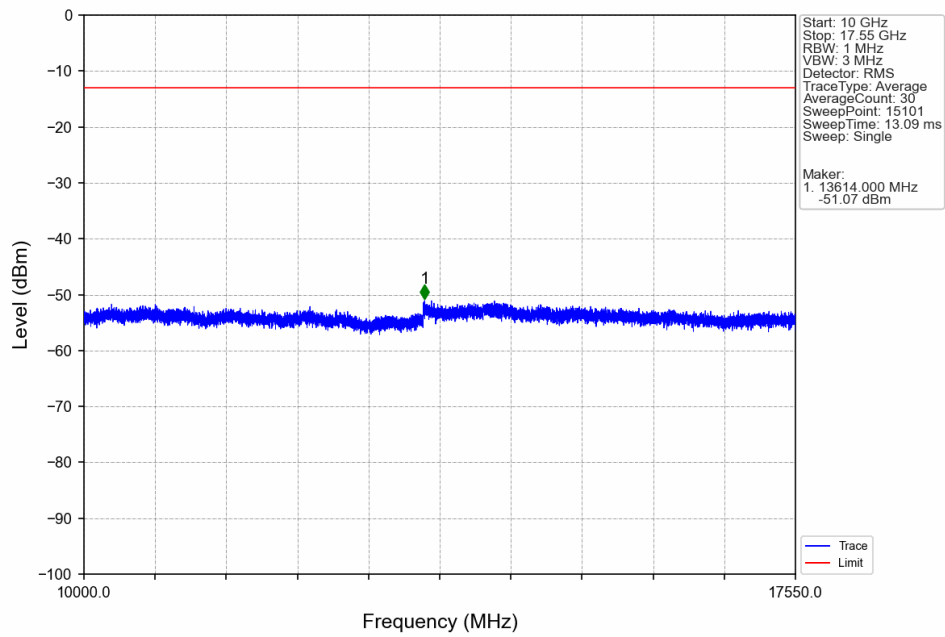
Band4 15MHz 64QAM MCH 1732.5MHz RB 1 0 NTNV



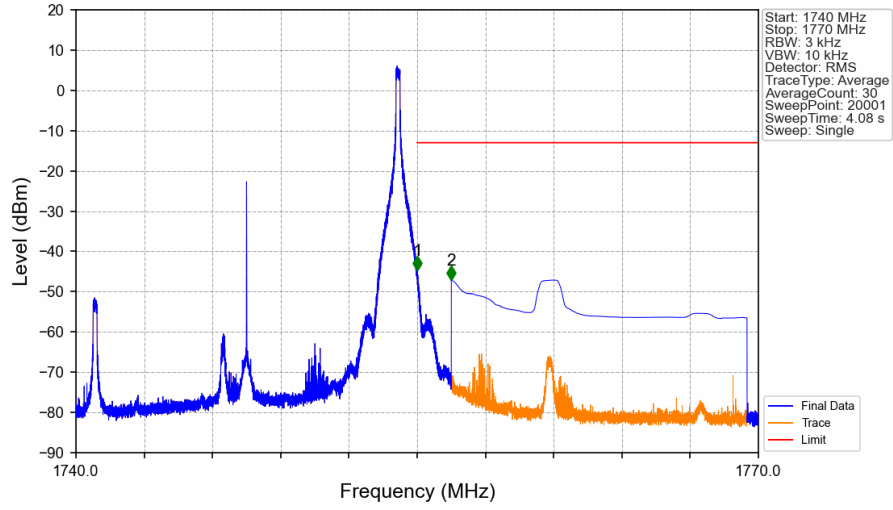
Band4 15MHz 64QAM HCH 1747.5MHz RB 1 0 NTNV



Band4 15MHz 64QAM HCH 1747.5MHz RB 1 0 NTNV

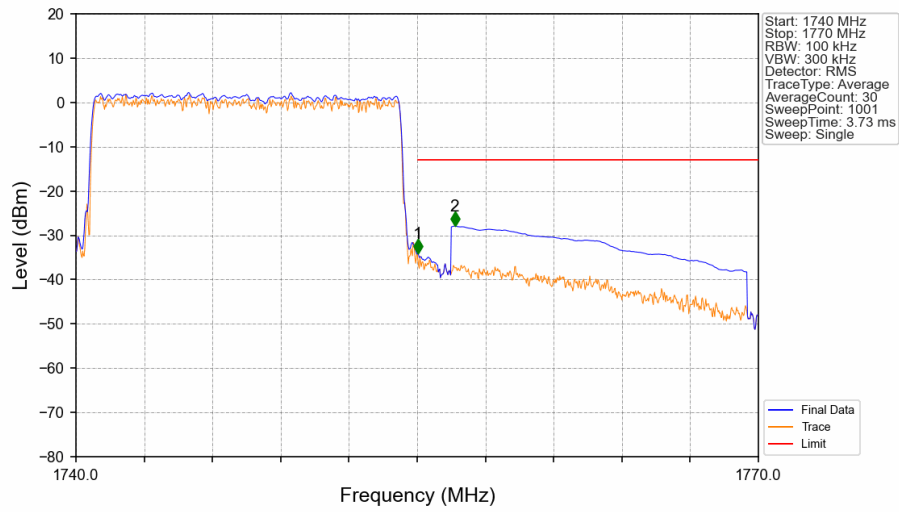


Band4 15MHz 64QAM HCH 1747.5MHz RB 1 74 NTNV



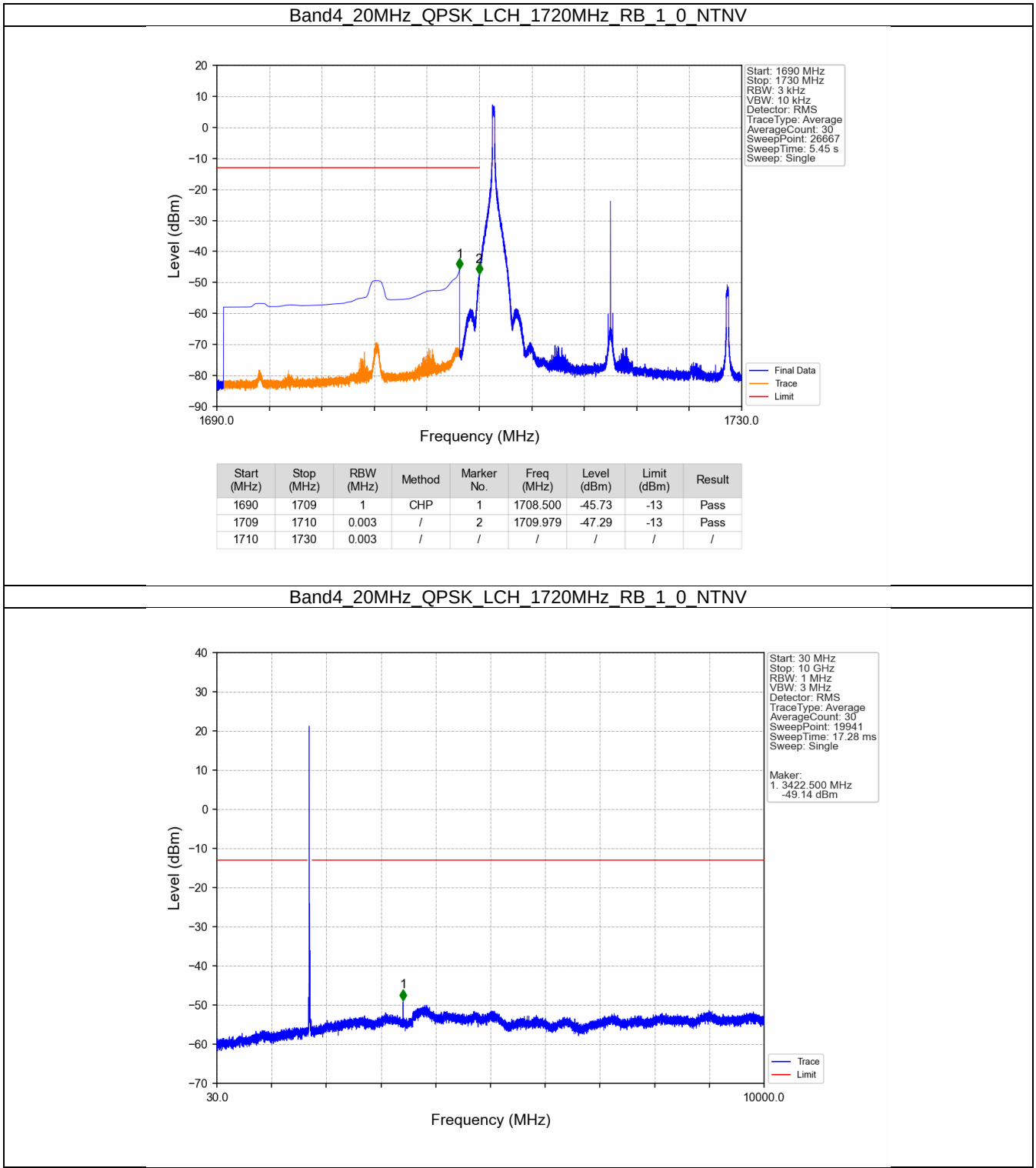
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-44.62	-13	Pass
1756	1770	1	CHP	2	1756.500	-47.04	-13	Pass

Band4 15MHz 64QAM HCH 1747.5MHz RB 75 0 NTNV

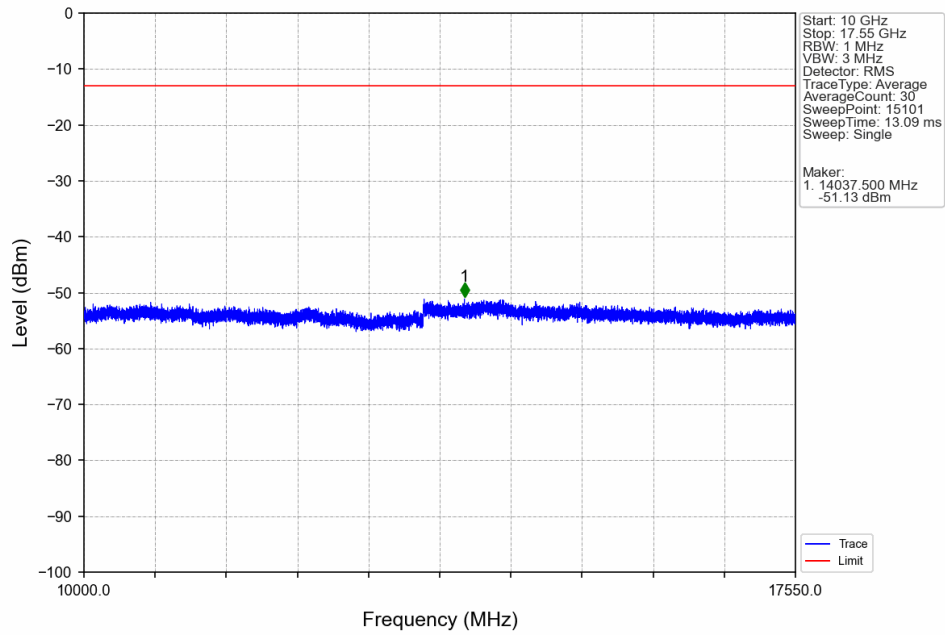


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.152	CHP	/	/	/	/	/
1755	1756	0.152	CHP	1	1755.030	-34.11	-13	Pass
1756	1770	1	CHP	2	1756.650	-27.93	-13	Pass

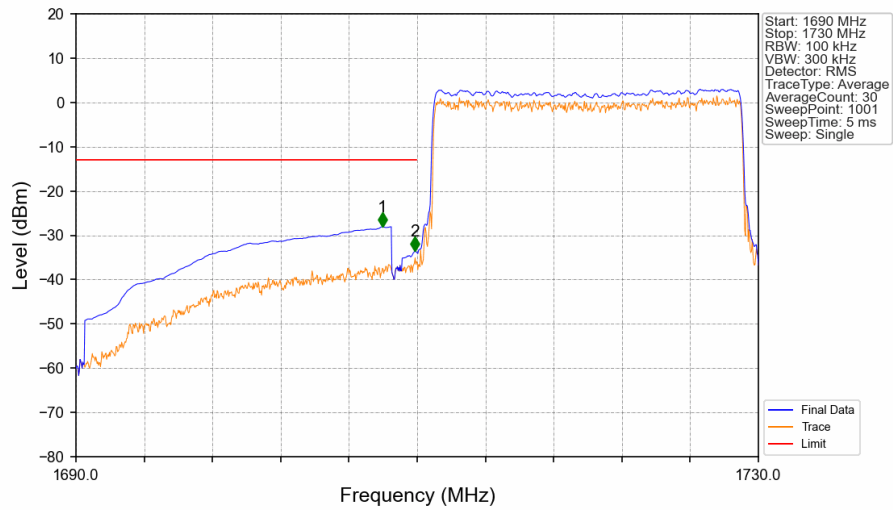
5.2.6 B4_20MHz



Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTNV

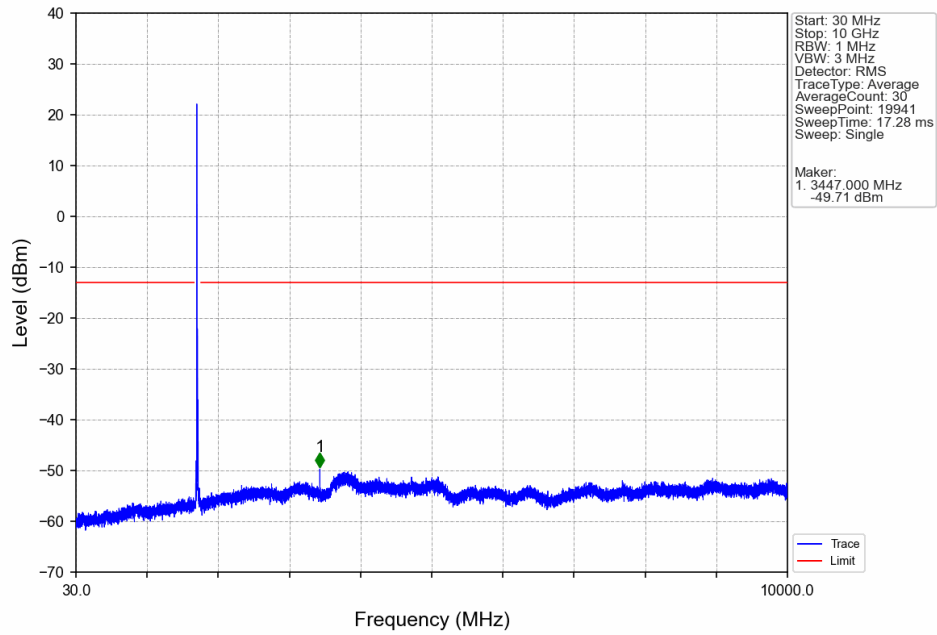


Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV

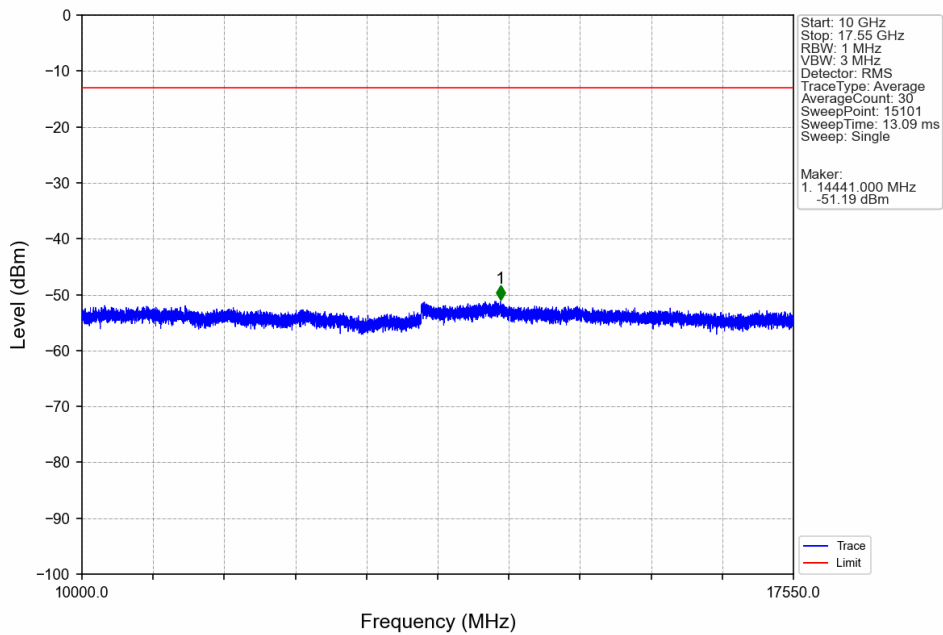


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1707.960	-28.07	-13	Pass
1709	1710	0.202	CHP	2	1709.880	-33.47	-13	Pass
1710	1730	0.202	CHP	/	/	/	/	/

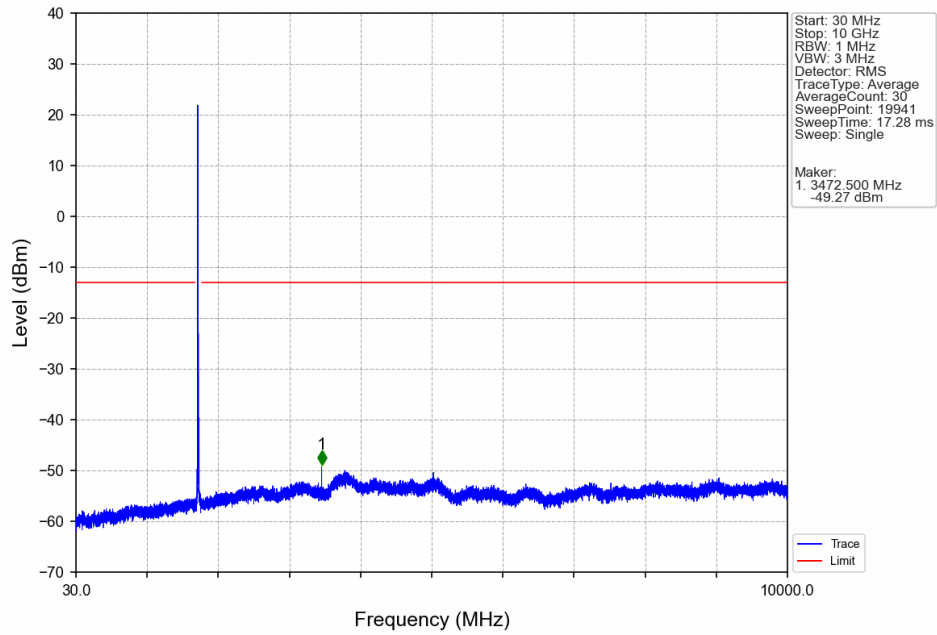
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTV



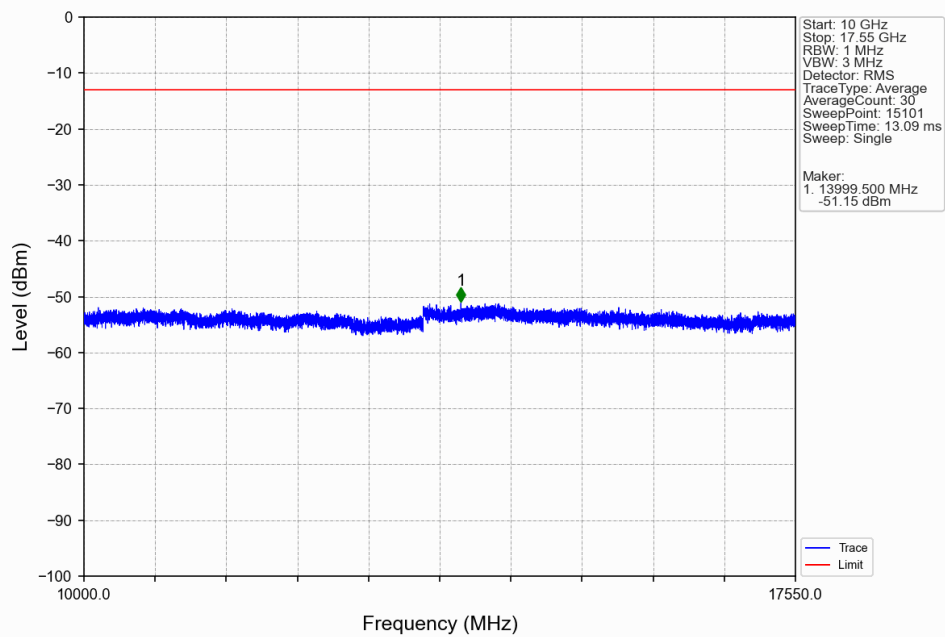
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTV



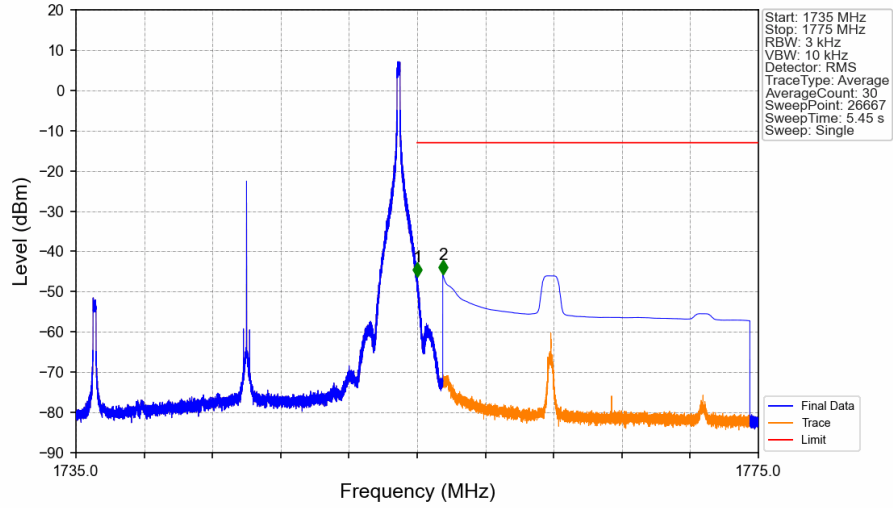
Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTNV



Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTNV

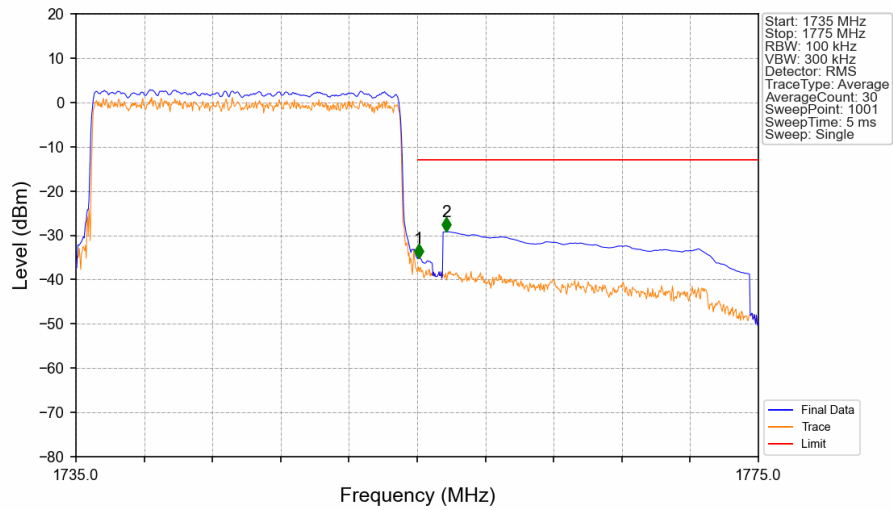


Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



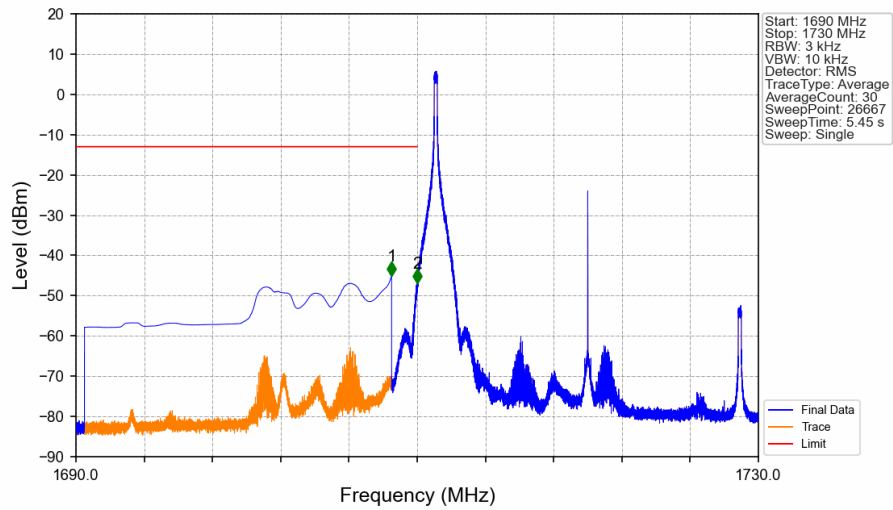
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.018	-46.29	-13	Pass
1756	1775	1	CHP	2	1756.500	-45.74	-13	Pass

Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



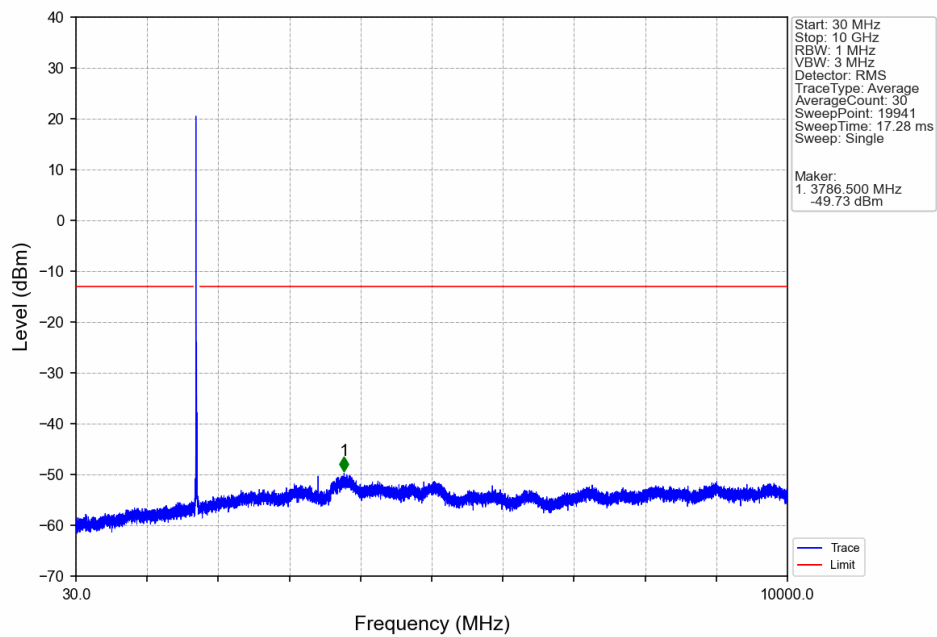
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.201	CHP	/	/	/	/	/
1755	1756	0.201	CHP	1	1755.080	-35.12	-13	Pass
1756	1775	1	CHP	2	1756.720	-29.21	-13	Pass

Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV

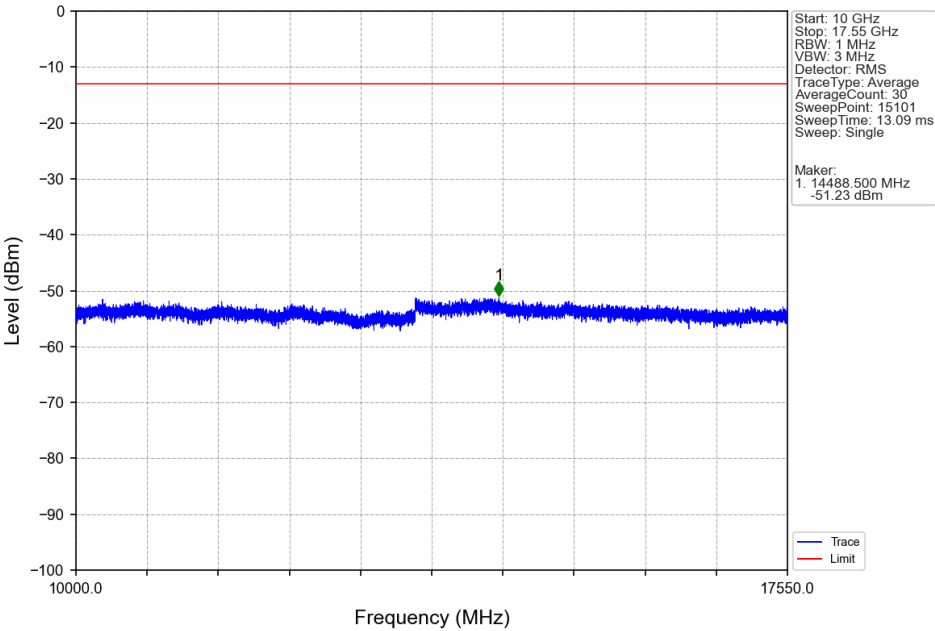


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-44.98	-13	Pass
1709	1710	0.003	/	2	1709.993	-46.79	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

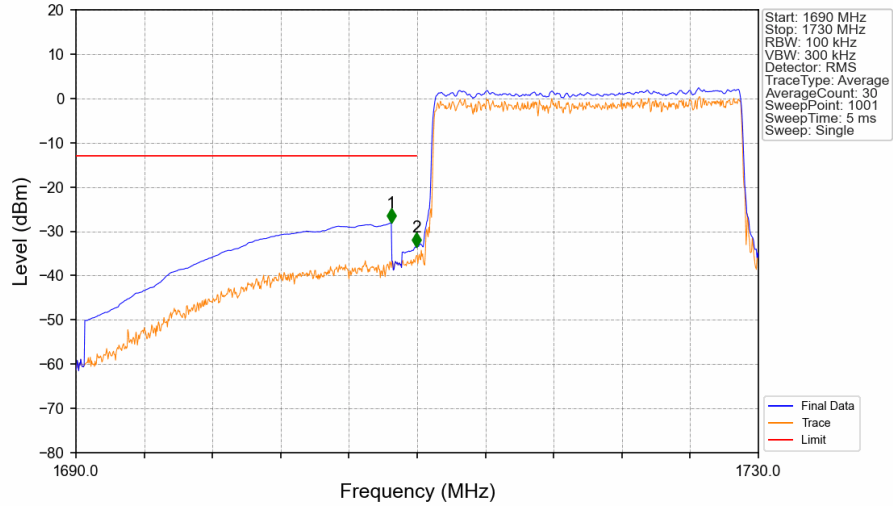
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTN

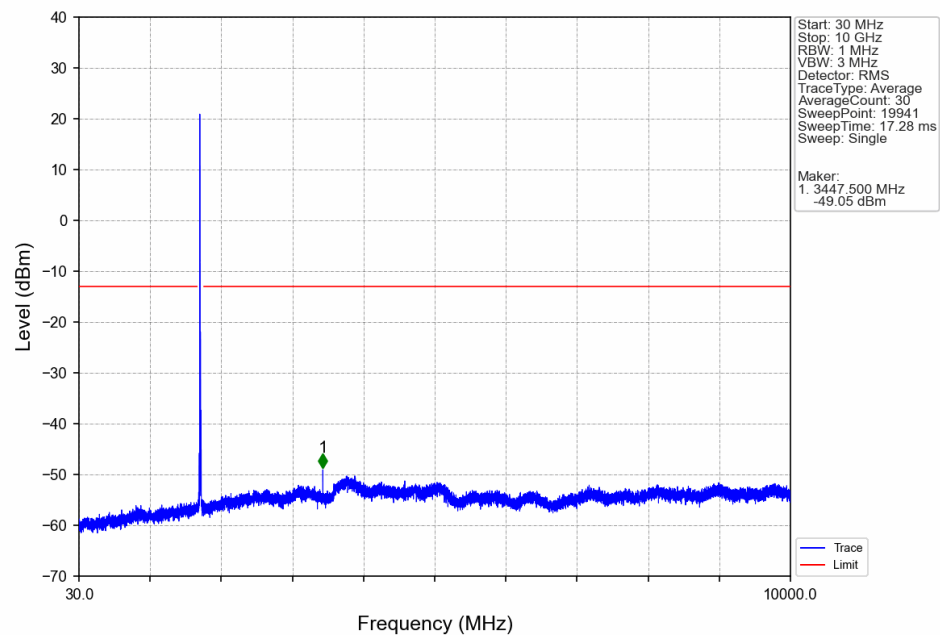


Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTN

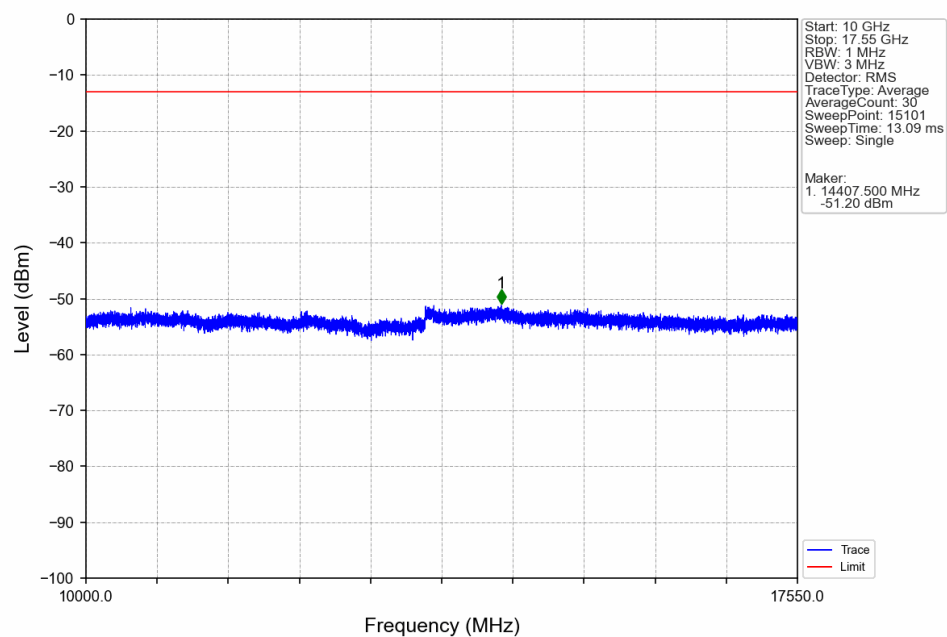


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-28.04	-13	Pass
1709	1710	0.203	CHP	2	1709.960	-33.52	-13	Pass
1710	1730	0.203	CHP	/	/	/	/	/

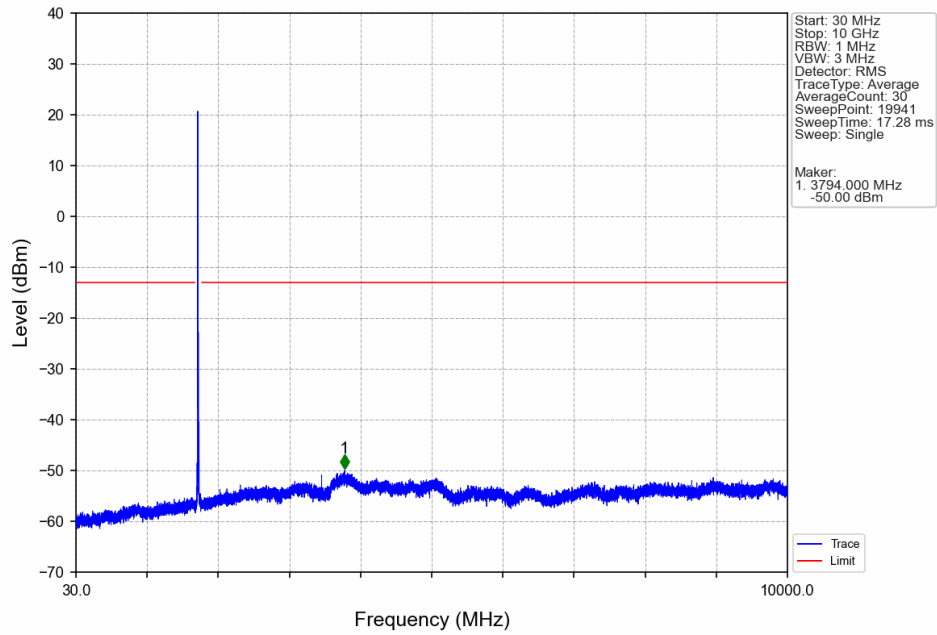
Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



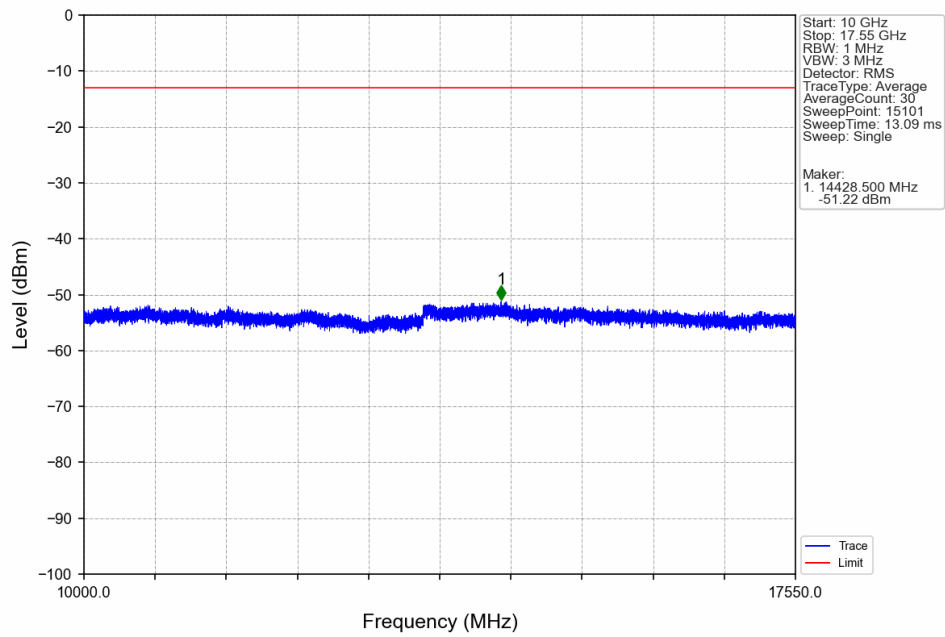
Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



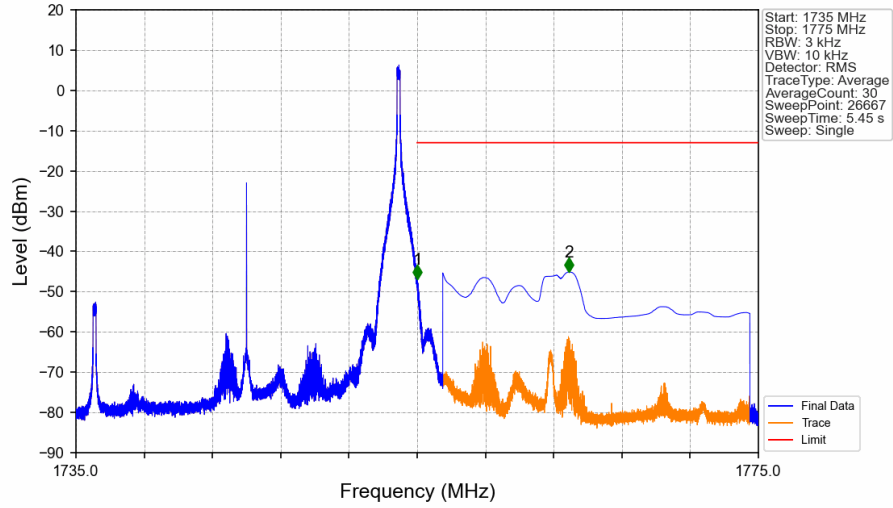
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTNV

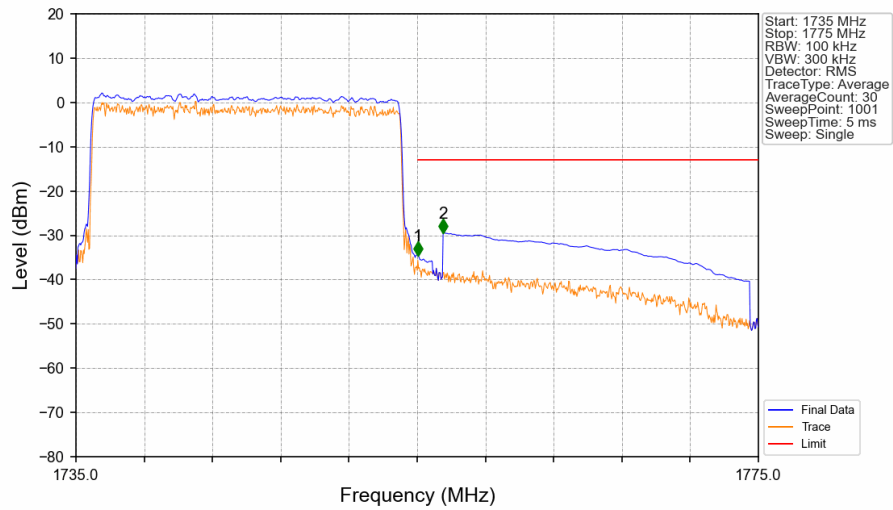


Band4 20MHz 16QAM HCH 1745MHz RB 1 99 NTNV



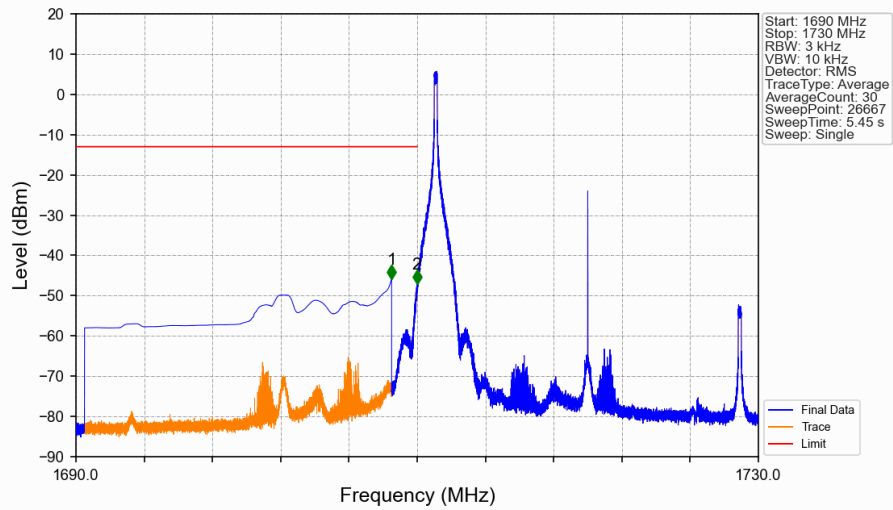
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-46.83	-13	Pass
1756	1775	1	CHP	2	1763.880	-45.11	-13	Pass

Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV



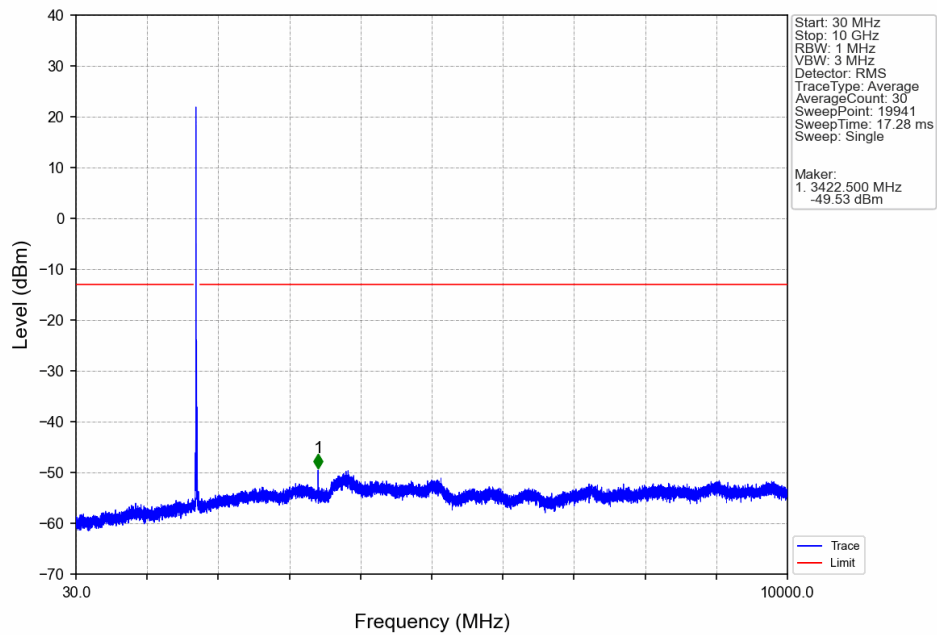
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.202	CHP	/	/	/	/	/
1755	1756	0.202	CHP	1	1755.040	-34.60	-13	Pass
1756	1775	1	CHP	2	1756.520	-29.43	-13	Pass

Band4 20MHz 64QAM LCH 1720MHz RB 1 0 NTNV

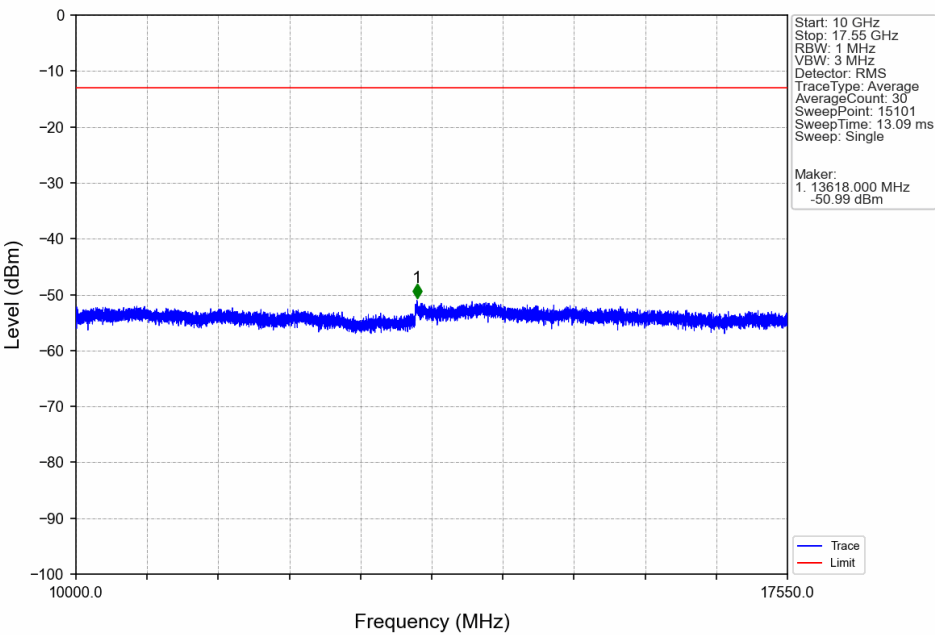


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-45.77	-13	Pass
1709	1710	0.003	/	2	1709.979	-47.08	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

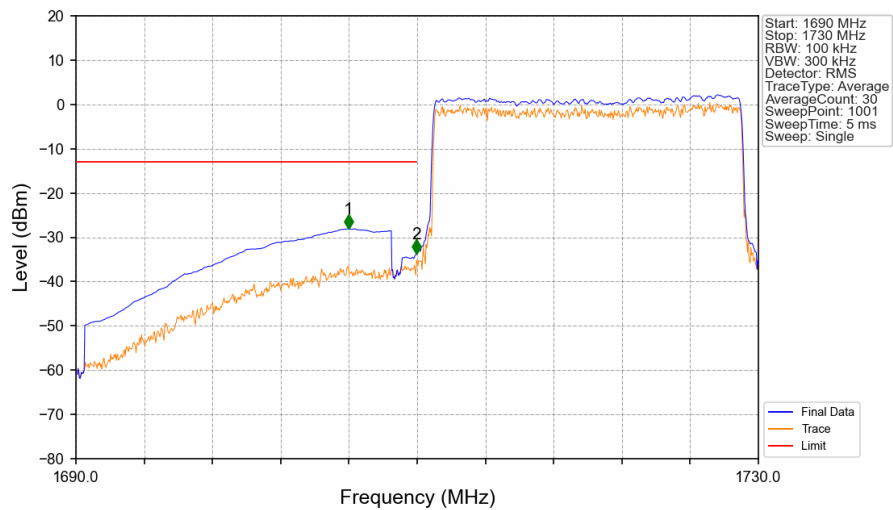
Band4 20MHz 64QAM LCH 1720MHz RB 1 0 NTNV



Band4 20MHz 64QAM LCH 1720MHz RB 1 0 NTNV

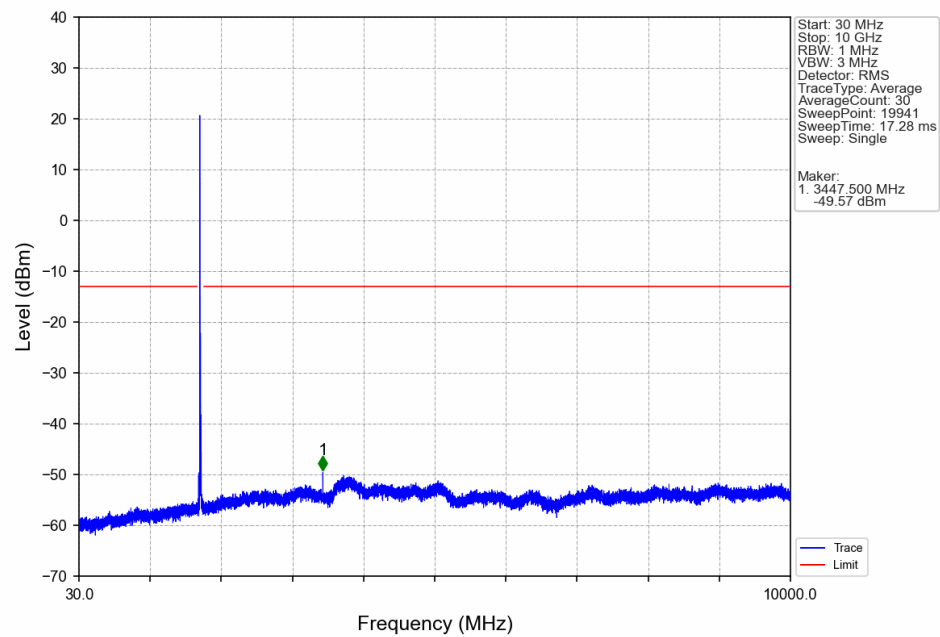


Band4 20MHz 64QAM LCH 1720MHz RB 100 0 NTNV

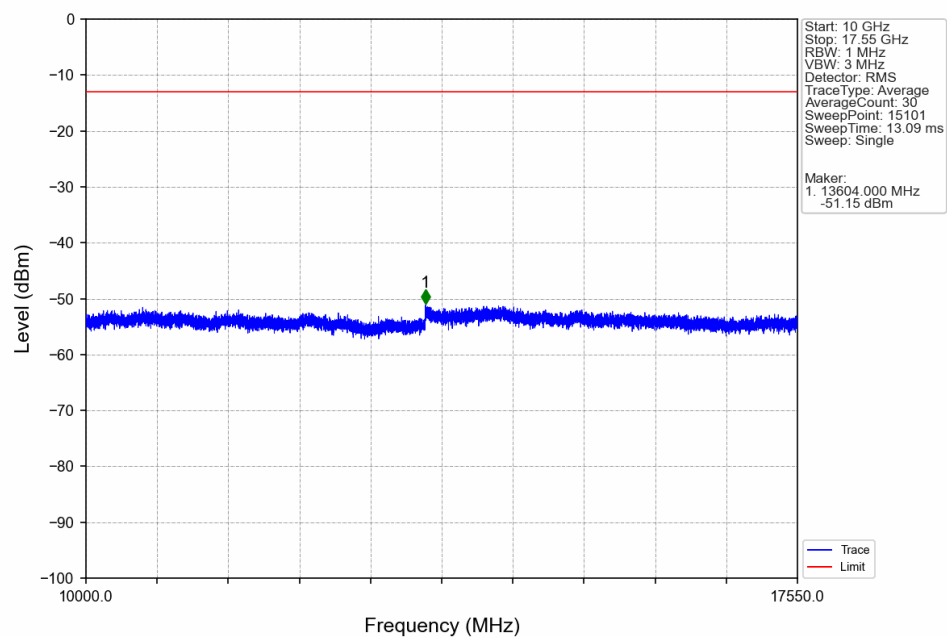


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1705.960	-28.10	-13	Pass
1709	1710	0.199	CHP	2	1709.960	-33.72	-13	Pass
1710	1730	0.199	CHP	/	/	/	/	/

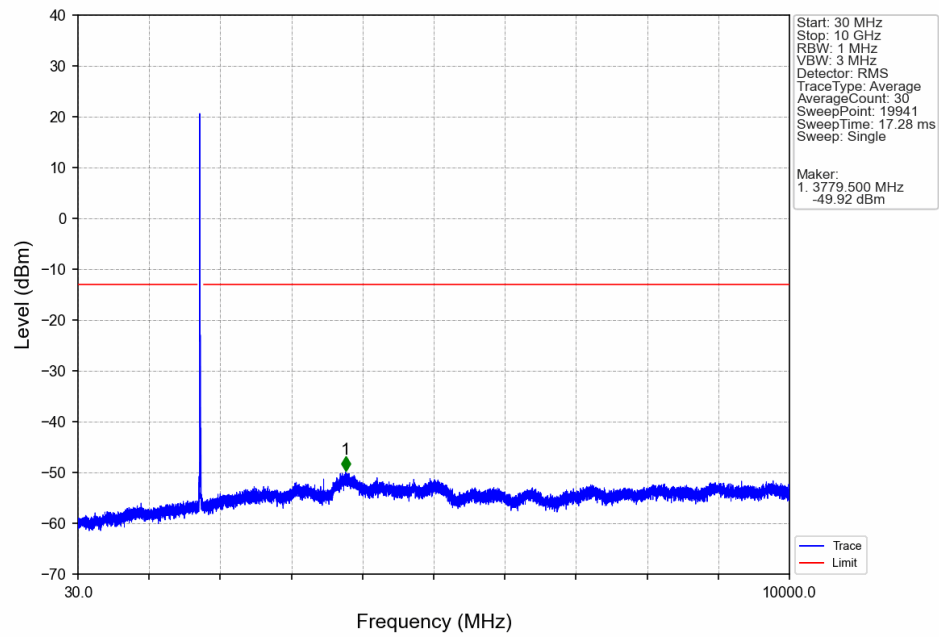
Band4 20MHz 64QAM MCH 1732.5MHz RB 1 0 NTNV



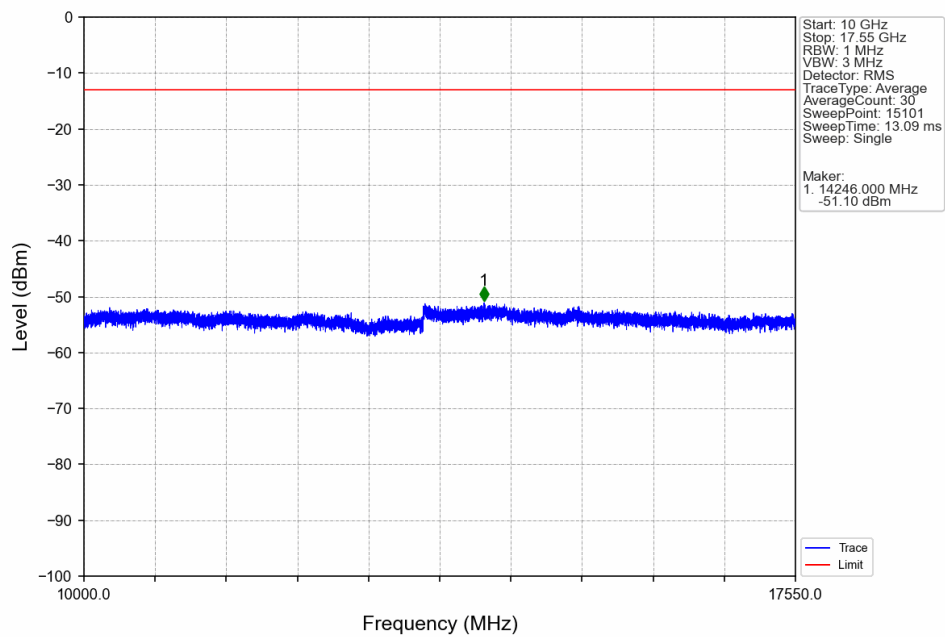
Band4 20MHz 64QAM MCH 1732.5MHz RB 1 0 NTNV



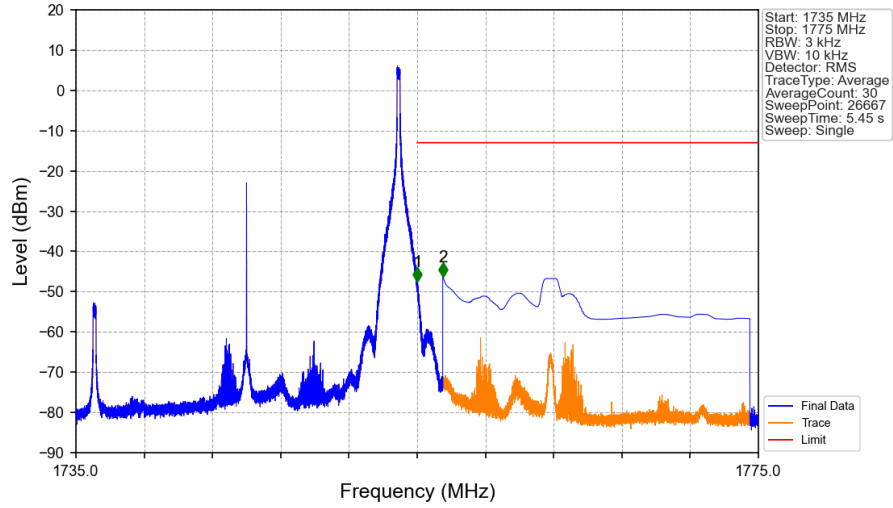
Band4 20MHz 64QAM HCH 1745MHz RB 1 0 NTNV



Band4 20MHz 64QAM HCH 1745MHz RB 1 0 NTNV

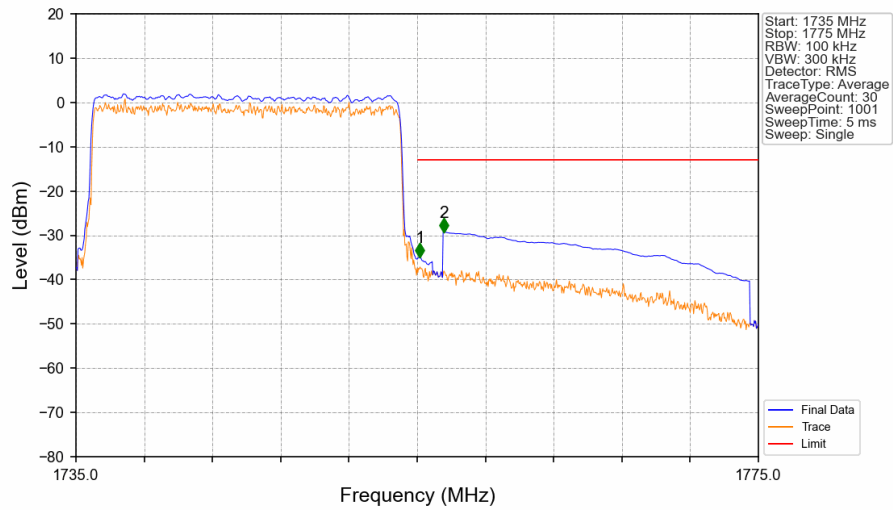


Band4 20MHz 64QAM HCH 1745MHz RB 1 99 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.006	-47.48	-13	Pass
1756	1775	1	CHP	2	1756.500	-46.18	-13	Pass

Band4 20MHz 64QAM HCH 1745MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.201	CHP	/	/	/	/	/
1755	1756	0.201	CHP	1	1755.160	-34.93	-13	Pass
1756	1775	1	CHP	2	1756.560	-29.26	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 4 ANT4-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-66.91	-13	-53.91	-71.53	3.36	7.98	Horizontal	Pass
5133.0	-54.6	-13	-41.6	-60.21	4.61	10.22	Horizontal	Pass
6844.0	-59.84	-13	-46.84	-65.87	4.9	10.93	Horizontal	Pass
3422.0	-66.6	-13	-53.6	-71.22	3.36	7.98	Vertical	Pass
5133.0	-56.67	-13	-43.67	-62.28	4.61	10.22	Vertical	Pass
6844.0	-60.97	-13	-47.97	-67.0	4.9	10.93	Vertical	Pass

LTE Band 4 ANT4-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-66.59	-13	-53.59	-71.26	3.37	8.04	Horizontal	Pass
5170.5	-54.68	-13	-41.68	-60.31	4.62	10.25	Horizontal	Pass
6894.0	-61.14	-13	-48.14	-67.23	4.9	10.99	Horizontal	Pass
3447.0	-66.56	-13	-53.56	-71.23	3.37	8.04	Vertical	Pass
5170.5	-57.4	-13	-44.4	-63.03	4.62	10.25	Vertical	Pass
6894.0	-60.99	-13	-47.99	-67.08	4.9	10.99	Vertical	Pass

LTE Band 4 ANT4-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-67.08	-13	-54.08	-71.79	3.39	8.1	Horizontal	Pass
5208.0	-55.49	-13	-42.49	-61.12	4.64	10.27	Horizontal	Pass
6944.0	-60.93	-13	-47.93	-67.08	4.91	11.06	Horizontal	Pass
3472.0	-66.93	-13	-53.93	-71.64	3.39	8.1	Vertical	Pass
5208.0	-57.78	-13	-44.78	-63.41	4.64	10.27	Vertical	Pass
6944.0	-60.98	-13	-47.98	-67.13	4.91	11.06	Vertical	Pass

CA_4A_7A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5002.0	-62.37	-25	-37.37	-67.94	4.57	10.14	Horizontal	Pass
7503.0	-59.74	-25	-34.74	-66.54	4.94	11.74	Horizontal	Pass
10004.0	-56.62	-25	-31.62	-64.19	5.46	13.03	Horizontal	Pass
5002.0	-62.75	-25	-37.75	-68.32	4.57	10.14	Vertical	Pass
7503.0	-60.47	-25	-35.47	-67.27	4.94	11.74	Vertical	Pass
10004.0	-56.77	-25	-31.77	-64.34	5.46	13.03	Vertical	Pass

CA_4A_7A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5052.0	-62.98	-25	-37.98	-68.56	4.59	10.17	Horizontal	Pass
7578.0	-60.06	-25	-35.06	-66.94	4.95	11.83	Horizontal	Pass
10104.0	-56.0	-25	-31.0	-63.57	5.48	13.05	Horizontal	Pass
5052.0	-62.94	-25	-37.94	-68.52	4.59	10.17	Vertical	Pass
7578.0	-59.88	-25	-34.88	-66.76	4.95	11.83	Vertical	Pass
10104.0	-56.08	-25	-31.08	-63.65	5.48	13.05	Vertical	Pass

CA_4A_7A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5102.0	-63.43	-25	-38.43	-69.03	4.6	10.2	Horizontal	Pass
7653.0	-59.79	-25	-34.79	-66.76	4.95	11.92	Horizontal	Pass
10204.0	-56.7	-25	-31.7	-64.28	5.49	13.07	Horizontal	Pass
5102.0	-63.4	-25	-38.4	-69.0	4.6	10.2	Vertical	Pass
7653.0	-59.83	-25	-34.83	-66.8	4.95	11.92	Vertical	Pass
10204.0	-56.86	-25	-31.86	-64.44	5.49	13.07	Vertical	Pass

CA_4A_5A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-66.88	-13	-53.88	-71.5	3.36	7.98	Horizontal	Pass
5133.0	-63.17	-13	-50.17	-68.78	4.61	10.22	Horizontal	Pass
6844.0	-61.16	-13	-48.16	-67.19	4.9	10.93	Horizontal	Pass
3422.0	-66.5	-13	-53.5	-71.12	3.36	7.98	Vertical	Pass
5133.0	-63.07	-13	-50.07	-68.68	4.61	10.22	Vertical	Pass
6844.0	-60.65	-13	-47.65	-66.68	4.9	10.93	Vertical	Pass

CA_4A_5A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-67.07	-13	-54.07	-71.74	3.37	8.04	Horizontal	Pass
5170.5	-63.02	-13	-50.02	-68.65	4.62	10.25	Horizontal	Pass
6894.0	-61.87	-13	-48.87	-67.96	4.9	10.99	Horizontal	Pass
3447.0	-67.35	-13	-54.35	-72.02	3.37	8.04	Vertical	Pass
5170.5	-63.33	-13	-50.33	-68.96	4.62	10.25	Vertical	Pass
6894.0	-61.15	-13	-48.15	-67.24	4.9	10.99	Vertical	Pass

CA_4A_5A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-67.48	-13	-54.48	-72.19	3.39	8.1	Horizontal	Pass
5208.0	-63.46	-13	-50.46	-69.09	4.64	10.27	Horizontal	Pass
6944.0	-60.53	-13	-47.53	-66.68	4.91	11.06	Horizontal	Pass
3472.0	-66.72	-13	-53.72	-71.43	3.39	8.1	Vertical	Pass
5208.0	-62.94	-13	-49.94	-68.57	4.64	10.27	Vertical	Pass
6944.0	-61.47	-13	-48.47	-67.62	4.91	11.06	Vertical	Pass