

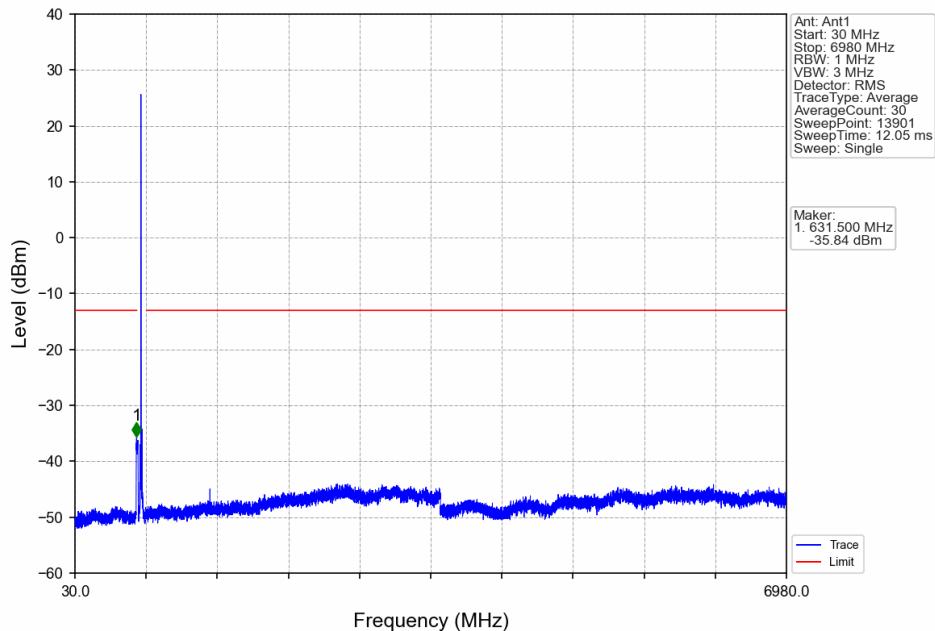


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Band71\_20MHz\_QPSK\_MCH\_683MHz\_RB\_1\_0\_NTNV



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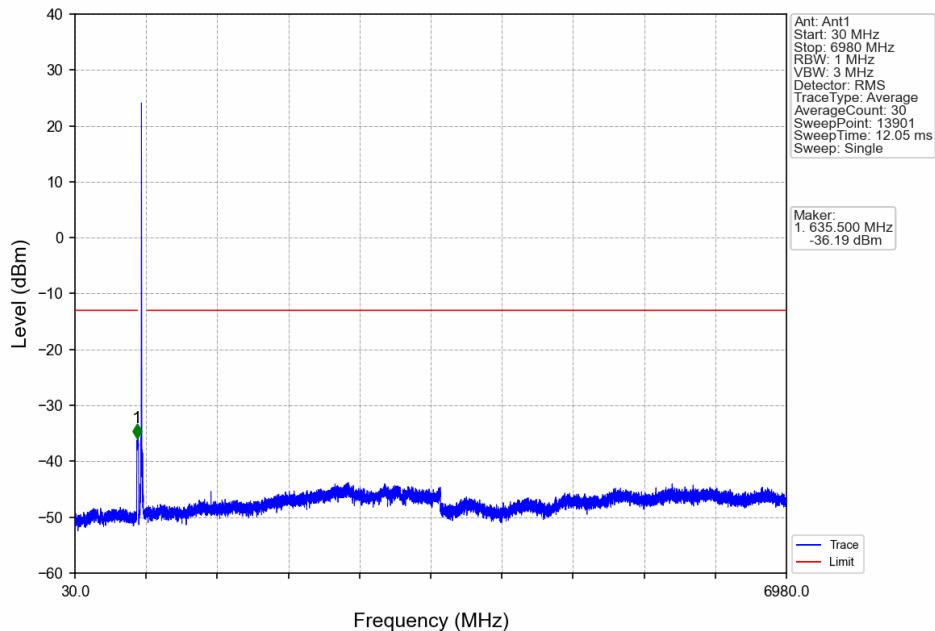


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Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_1\_0\_NTNV



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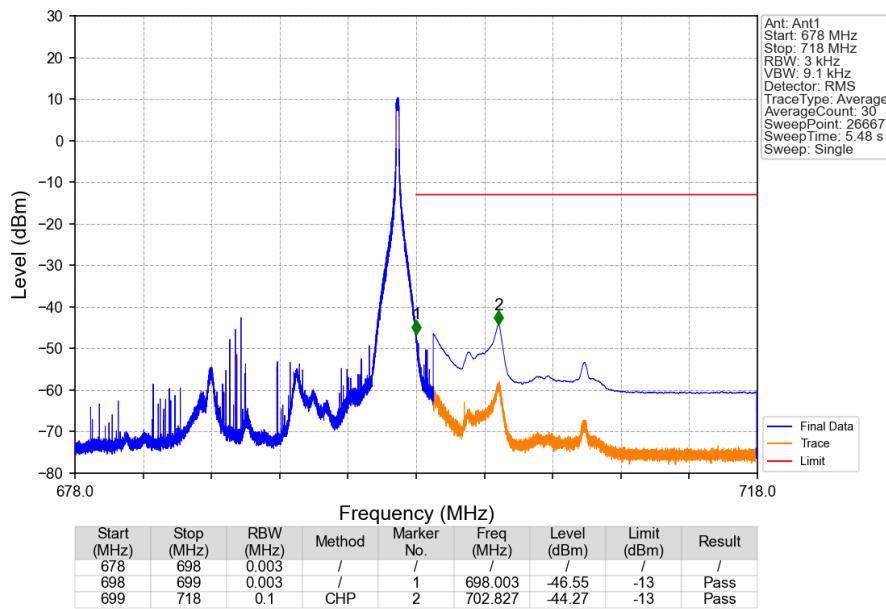
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Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_1\_99\_NTNV



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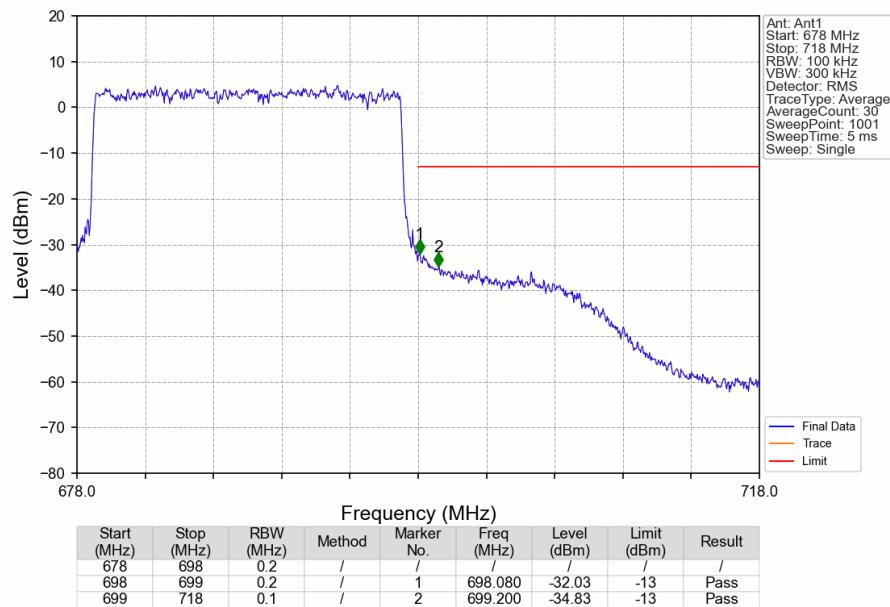


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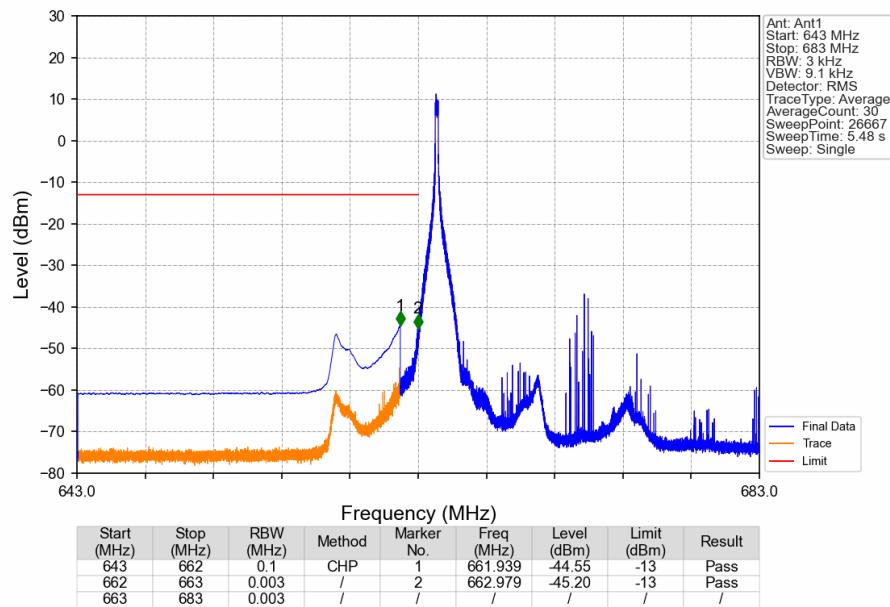


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## Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_1\_0\_NTNV



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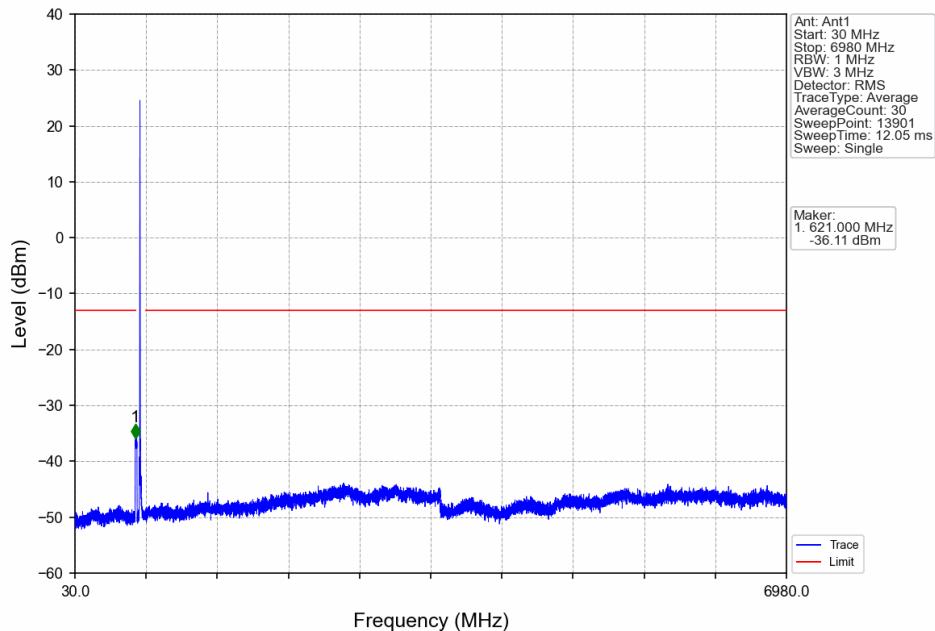


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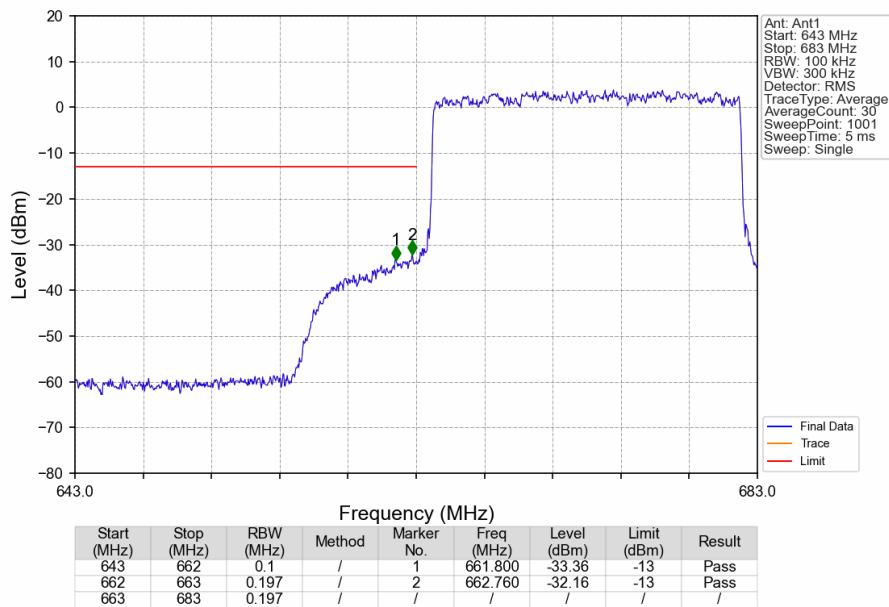


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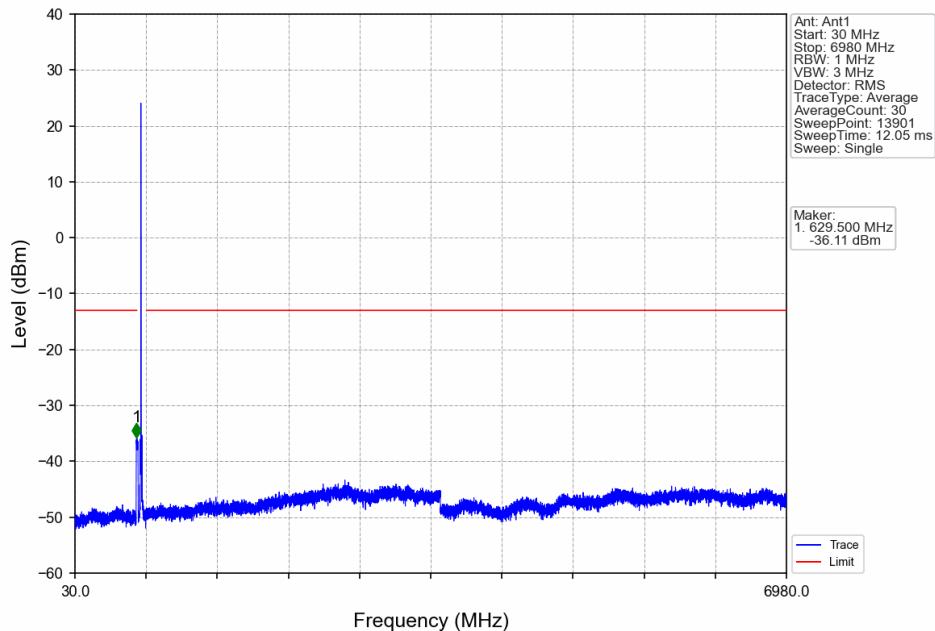


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Band71\_20MHz\_16QAM\_MCH\_683MHz\_RB\_1\_0\_NTNV



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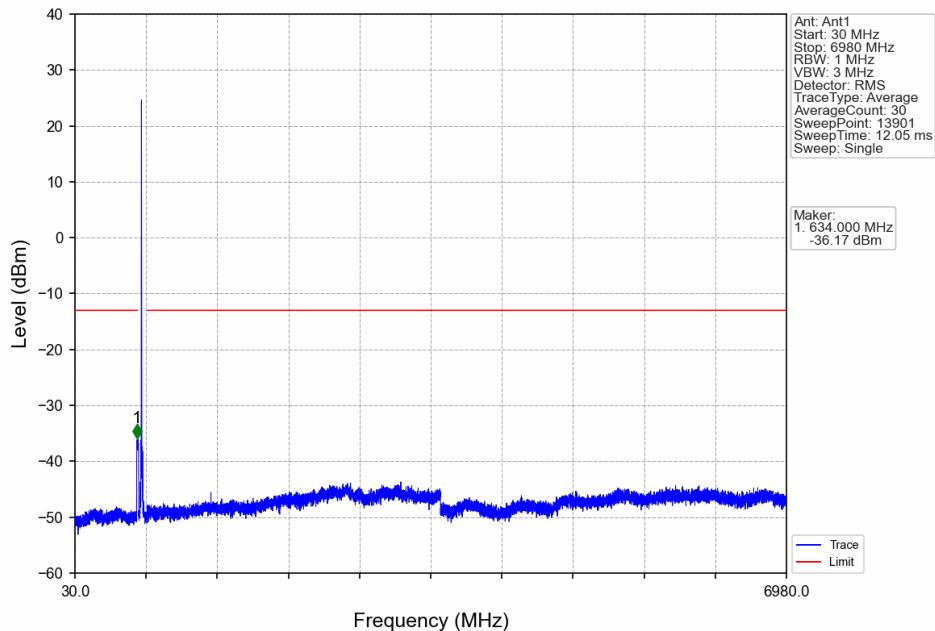


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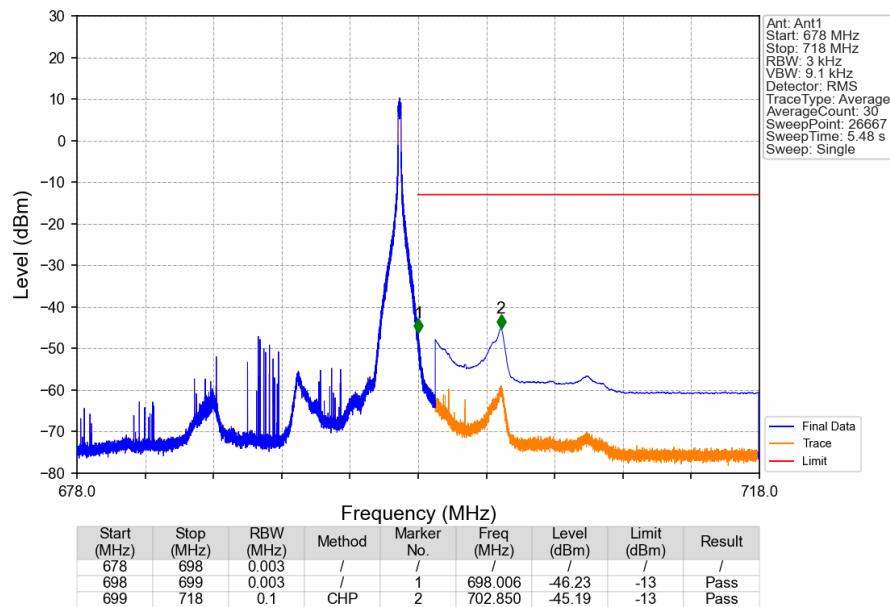


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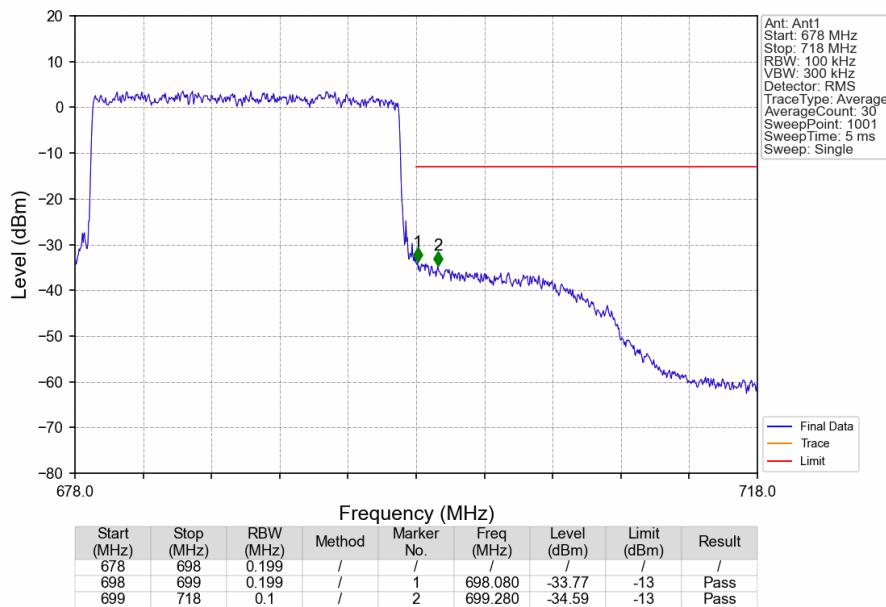


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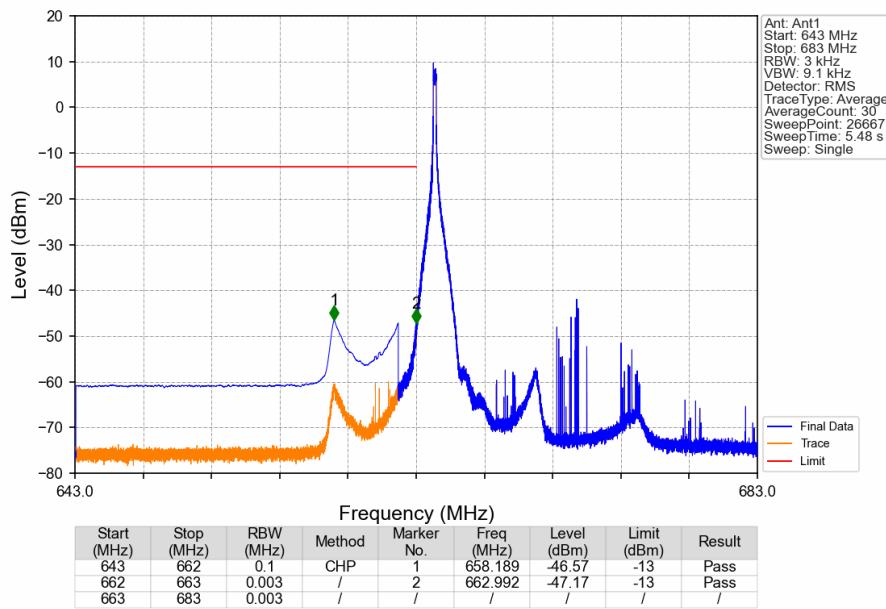
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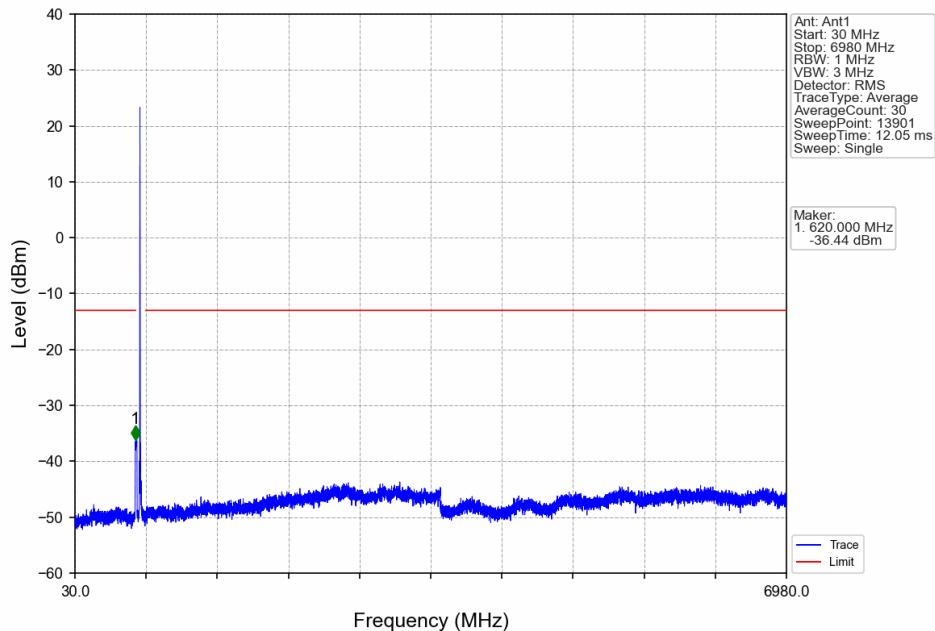


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Band71\_20MHz\_64QAM\_LCH\_673MHz\_RB\_1\_0\_NTNV



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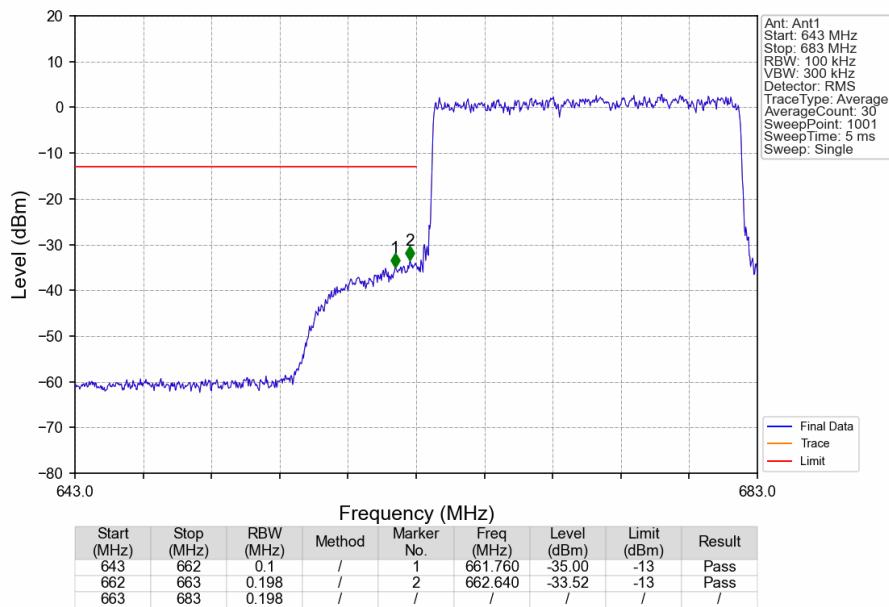


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Band71\_20MHz\_64QAM\_LCH\_673MHz\_RB\_100\_0\_NTNV



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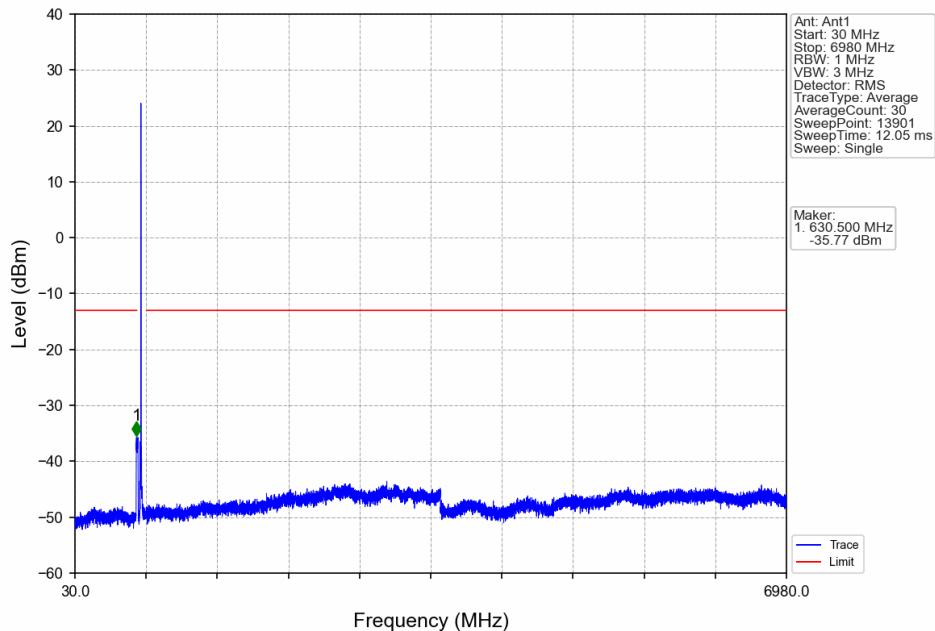


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Band71\_20MHz\_64QAM\_MCH\_683MHz\_RB\_1\_0\_NTNV



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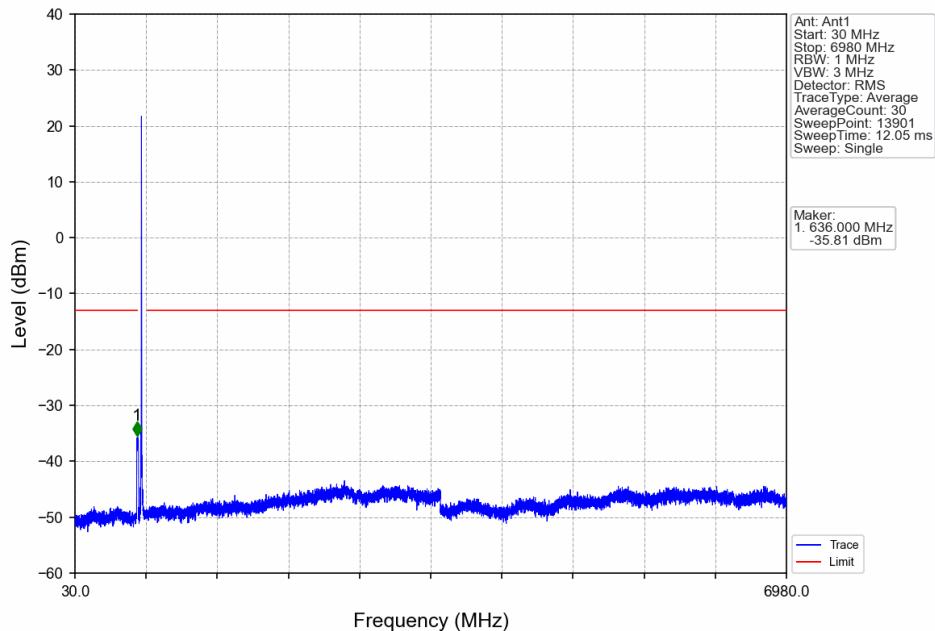


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Band71\_20MHz\_64QAM\_HCH\_688MHz\_RB\_1\_0\_NTNV



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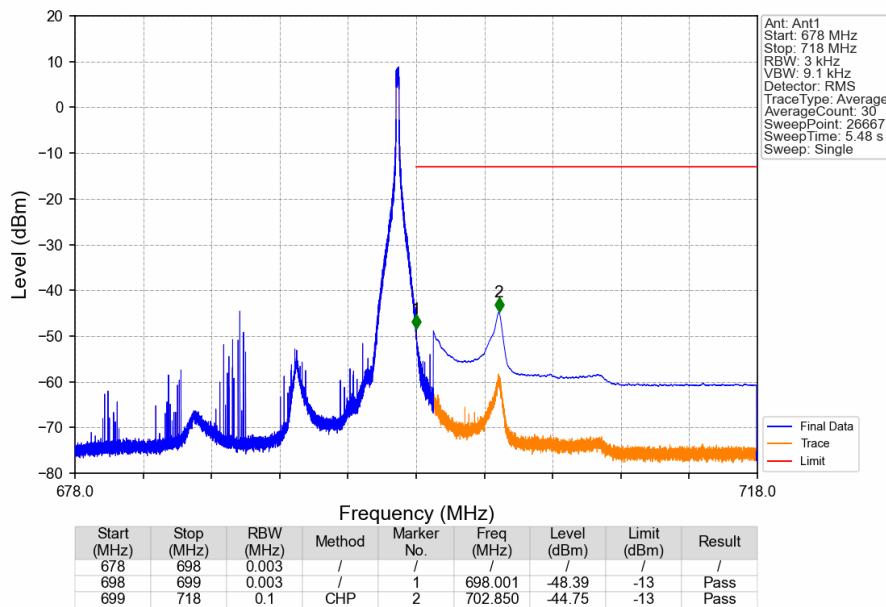


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Band71\_20MHz\_64QAM\_HCH\_688MHz\_RB\_1\_99\_NTNV



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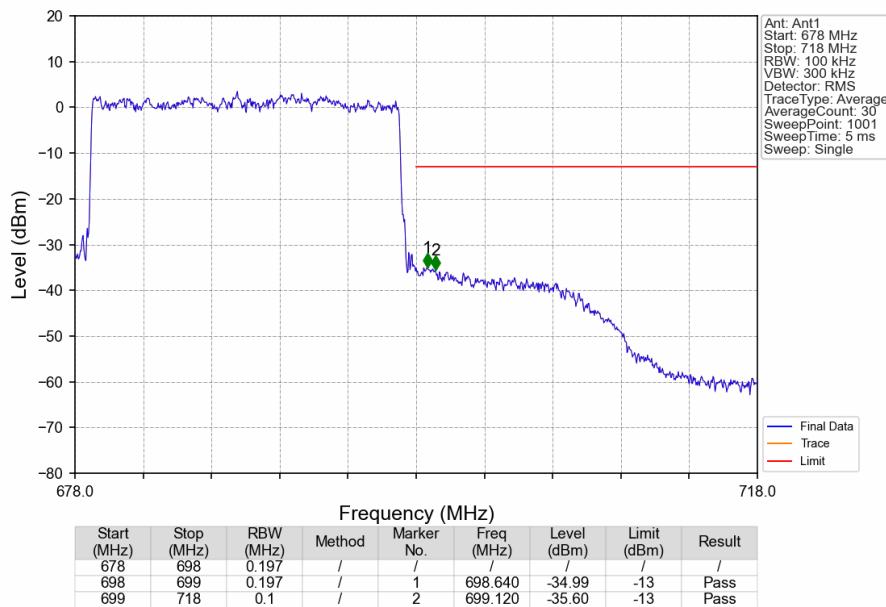


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Band71\_20MHz\_64QAM\_HCH\_688MHz\_RB\_100\_0\_NTNV



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## 5. Effective (Isotropic) Radiated Power Output Data

ANT1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.88	22.67	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.85	22.64	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.75	22.54	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.85	21.64	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.46	22.25	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.50	22.29	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.50	22.29	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.61	21.4	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.27	22.06	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.32	22.11	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.28	22.07	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.32	21.11	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.14	21.93	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.14	21.93	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.02	21.81	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.95	20.74	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.86	21.65	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.90	21.69	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.86	21.65	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.65	20.44	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.51	21.3	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.67	21.46	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.66	21.45	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.39	20.18	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.20	20.99	34.77	PASS



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Band71	5MHz	64QAM	133147	1RB#24	22.04	20.83	34.77	PASS
Band71	5MHz	64QAM	133147	25RB#0	20.88	19.67	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	21.67	20.46	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.86	20.65	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.93	20.72	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	20.71	19.5	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	21.66	20.45	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	21.67	20.46	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	21.71	20.5	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	20.38	19.17	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.90	22.69	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.72	22.51	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.75	22.54	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.85	21.64	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.69	22.48	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.50	22.29	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.45	22.24	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.52	21.31	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.41	22.2	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.32	22.11	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.21	22	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.37	21.16	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.20	21.99	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.10	21.89	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.11	21.9	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.75	20.54	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	23.08	21.87	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.76	21.55	34.77	PASS

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Band71	10MHz	16QAM	133297	50RB#0	21.52	20.31	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.91	21.7	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.69	21.48	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.67	21.46	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.40	20.19	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	22.12	20.91	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	22.02	20.81	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	21.89	20.68	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	20.82	19.61	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	21.90	20.69	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	21.81	20.6	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	21.72	20.51	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	20.54	19.33	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	21.50	20.29	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	21.43	20.22	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.50	20.29	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	20.45	19.24	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.73	22.52	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.59	22.38	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.43	22.22	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.62	21.41	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.65	22.44	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.50	22.29	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.29	22.08	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.52	21.31	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.48	22.27	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.37	22.16	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.17	21.96	34.77	PASS
Band71	15MHz	QPSK	133397					

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Band71	15MHz	QPSK	133397	75RB#0	22.33	21.12	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	23.27	22.06	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.01	21.8	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.82	21.61	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.75	20.54	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.01	21.8	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.79	21.58	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.62	21.41	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.49	20.28	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.80	21.59	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.76	21.55	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.43	21.22	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.41	20.2	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	22.03	20.82	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	21.74	20.53	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	21.63	20.42	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	20.79	19.58	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	21.76	20.55	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.63	20.42	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	21.55	20.34	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	20.50	19.29	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	21.54	20.33	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	21.57	20.36	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	21.34	20.13	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	20.38	19.17	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.80	22.59	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.52	22.31	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.33	22.12	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.64	21.43	34.77	PASS

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Band71	20MHz	QPSK	133322	1RB#0	23.55	22.34	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.49	22.28	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.27	22.06	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.53	21.32	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.51	22.3	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.35	22.14	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.30	22.09	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.40	21.19	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.03	21.82	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.93	21.72	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.68	21.47	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.69	20.48	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.86	21.65	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.84	21.63	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.76	21.55	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.52	20.31	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.81	21.6	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.68	21.47	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.68	21.47	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.41	20.2	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	21.95	20.74	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	21.81	20.6	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	21.68	20.47	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	20.68	19.47	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	21.83	20.62	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21.76	20.55	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	21.43	20.22	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	20.51	19.3	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	21.72	20.51	34.77	PASS

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Band71	20MHz	64QAM	133372	1RB#49	21.60	20.39	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	21.37	20.16	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.40	19.19	34.77	PASS



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## 6. Field Strength of Spurious Radiation

**Test Band = LTE Band71\_ TM1**  
**Test Channel = Low**

Final Data List								
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	43.68	-48.09	25.14	-74.54	-13.00	61.54	Horizontal
2	1992.2700	43.17	-47.91	25.89	-74.12	-13.00	61.12	Horizontal
3	2656.3600	42.57	-47.00	27.61	-72.07	-13.00	59.07	Horizontal
4	3320.4500	42.45	-46.65	28.49	-70.97	-13.00	57.97	Horizontal
5	3984.5400	41.10	-46.20	29.08	-71.28	-13.00	58.28	Horizontal
6	4648.6300	39.78	-45.79	30.63	-70.65	-13.00	57.65	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	43.64	-48.09	25.14	-74.58	-13.00	61.58	Vertical
2	1992.2700	42.88	-47.91	25.89	-74.41	-13.00	61.41	Vertical
3	2656.3600	42.70	-47.00	27.61	-71.94	-13.00	58.94	Vertical
4	3320.4500	42.13	-46.65	28.49	-71.29	-13.00	58.29	Vertical
5	3984.5400	41.04	-46.20	29.08	-71.34	-13.00	58.34	Vertical
6	4648.6300	39.94	-45.79	30.63	-70.49	-13.00	57.49	Vertical

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Test Band = LTE Band71\_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.1800	43.60	-48.07	25.13	-74.60	-13.00	61.60	Horizontal
2	2022.2700	42.44	-47.86	25.96	-74.72	-13.00	61.72	Horizontal
3	2696.3600	42.02	-47.05	27.69	-72.59	-13.00	59.59	Horizontal
4	3370.4500	42.19	-46.58	28.52	-71.13	-13.00	58.13	Horizontal
5	4044.5400	40.94	-46.07	29.21	-71.18	-13.00	58.18	Horizontal
6	4718.6300	40.03	-45.77	30.78	-70.22	-13.00	57.22	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.1800	44.18	-48.07	25.13	-74.02	-13.00	61.02	Vertical
2	2022.2700	42.26	-47.86	25.96	-74.90	-13.00	61.90	Vertical
3	2696.3600	42.41	-47.05	27.69	-72.20	-13.00	59.20	Vertical
4	3370.4500	41.67	-46.58	28.52	-71.65	-13.00	58.65	Vertical
5	4044.5400	41.16	-46.07	29.21	-70.96	-13.00	57.96	Vertical
6	4718.6300	40.40	-45.77	30.78	-69.85	-13.00	56.85	Vertical

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Test Band = LTE Band71\_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	44.05	-48.05	25.12	-74.14	-13.00	61.14	Horizontal
2	2037.2700	43.66	-47.83	26.01	-73.42	-13.00	60.42	Horizontal
3	2716.3600	42.89	-47.03	27.73	-71.67	-13.00	58.67	Horizontal
4	3395.4500	41.55	-46.55	28.54	-71.72	-13.00	58.72	Horizontal
5	4074.5400	40.95	-45.98	29.28	-71.01	-13.00	58.01	Horizontal
6	4753.6300	39.98	-45.71	30.86	-70.14	-13.00	57.14	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	44.36	-48.05	25.12	-73.83	-13.00	60.83	Vertical
2	2037.2700	43.36	-47.83	26.01	-73.72	-13.00	60.72	Vertical
3	2716.3600	42.69	-47.03	27.73	-71.87	-13.00	58.87	Vertical
4	3395.4500	41.41	-46.55	28.54	-71.86	-13.00	58.86	Vertical
5	4074.5400	40.41	-45.98	29.28	-71.55	-13.00	58.55	Vertical
6	4753.6300	39.88	-45.71	30.86	-70.24	-13.00	57.24	Vertical

## Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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