



Report No.: SUCR240400008901

Rev.: 01

Page: 1 of 198

Appendix B.22

LTE Band 71



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Report No.: SUCR240400008901
Rev.: 01
Page: 2 of 198

1. Effective (Isotropic) Radiated Power Output Data

1.1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	24.08	25	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.95	24.87	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.95	24.87	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.9	23.82	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.88	24.8	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.98	24.9	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.88	24.8	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.81	23.73	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.98	24.9	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.78	24.7	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.63	24.55	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.7	23.62	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.22	24.14	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.06	23.98	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.94	23.86	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.02	22.94	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	23.06	23.98	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.1	24.02	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.22	24.14	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.92	22.84	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.93	23.85	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.93	23.85	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.78	23.7	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.72	22.64	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.24	23.16	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	22.03	22.95	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	22.11	23.03	34.77	PASS
Band71	5MHz	64QAM	133147	25RB#0	21.02	21.94	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	22.28	23.2	34.77	PASS



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Report No.: SUCR240400008901

Rev.: 01

Page: 3 of 198

Band71	5MHz	64QAM	133297	1RB#12	22.09	23.01	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.96	22.88	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	20.82	21.74	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	22.06	22.98	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	21.98	22.9	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.05	22.97	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	20.8	21.72	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	19	19.92	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	19.11	20.03	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	19.13	20.05	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	19	19.92	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	19.08	20	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	19.06	19.98	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	18.89	19.81	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	18.82	19.74	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	18.84	19.76	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	18.96	19.88	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	18.69	19.61	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	18.81	19.73	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.07	24.99	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.9	24.82	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.03	24.95	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.96	23.88	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	24.07	24.99	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.97	24.89	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.67	24.59	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.89	23.81	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.82	24.74	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.82	24.74	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.7	24.62	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.88	23.8	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.11	24.03	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.1	24.02	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.07	23.99	34.77	PASS



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Report No.: SUCR240400008901

Rev.: 01

Page: 4 of 198

Band71	10MHz	16QAM	133172	50RB#0	21.96	22.88	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	23.12	24.04	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	23.1	24.02	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.89	23.81	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.86	22.78	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	23.1	24.02	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.95	23.87	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.7	23.62	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.88	22.8	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	22.22	23.14	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	22	22.92	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.14	23.06	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	20.99	21.91	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	22.28	23.2	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	22.11	23.03	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	22.07	22.99	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	20.8	21.72	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	22.19	23.11	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	22.12	23.04	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.64	22.56	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	20.9	21.82	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#0	19.1	20.02	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	19.17	20.09	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	19.11	20.03	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	18.99	19.91	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	19.11	20.03	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#24	19.14	20.06	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#49	18.9	19.82	34.77	PASS
Band71	10MHz	256QAM	133297	50RB#0	19	19.92	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#0	19.04	19.96	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#24	19.03	19.95	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#49	18.79	19.71	34.77	PASS
Band71	10MHz	256QAM	133422	50RB#0	18.9	19.82	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.91	24.83	34.77	PASS



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Report No.: SUCR240400008901

Rev.: 01

Page: 5 of 198

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Band71	15MHz	QPSK	133197	1RB#74	23.61	24.53	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.86	23.78	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.72	24.64	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.61	24.53	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.68	24.6	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.76	23.68	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.84	24.76	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.75	24.67	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.64	24.56	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.76	23.68	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.77	23.69	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.79	23.71	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.97	23.89	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.84	22.76	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.89	23.81	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.8	23.72	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.24	24.16	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.76	22.68	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.8	23.72	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.86	23.78	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.62	23.54	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.73	22.65	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.92	22.84	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	21.97	22.89	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	21.92	22.84	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	20.85	21.77	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	21.91	22.83	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.96	22.88	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.02	22.94	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	20.8	21.72	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	21.83	22.75	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	21.92	22.84	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	21.74	22.66	34.77	PASS



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Report No.: SUCR240400008901

Rev.: 01

Page: 6 of 198

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Band71	15MHz	256QAM	133197	1RB#0	18.84	19.76	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	18.96	19.88	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	19.07	19.99	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	18.8	19.72	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	18.87	19.79	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	18.86	19.78	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	18.82	19.74	34.77	PASS
Band71	15MHz	256QAM	133297	75RB#0	18.75	19.67	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#0	18.64	19.56	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	18.72	19.64	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	18.76	19.68	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	18.83	19.75	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.75	24.67	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.86	24.78	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.57	24.49	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.73	23.65	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.75	24.67	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.7	24.62	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.64	24.56	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.68	23.6	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.59	24.51	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.67	24.59	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.66	24.58	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.79	23.71	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.98	23.9	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.78	23.7	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.9	23.82	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.78	22.7	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.82	23.74	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.85	23.77	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.72	23.64	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.72	22.64	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.18	24.1	34.77	PASS



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Report No.: SUCR240400008901

Rev.: 01

Page: 7 of 198

Band71	20MHz	16QAM	133372	1RB#49	22.67	23.59	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.52	23.44	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.86	22.78	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	22.05	22.97	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	22.13	23.05	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	21.71	22.63	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	20.88	21.8	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	22.07	22.99	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21.85	22.77	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	21.65	22.57	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	20.81	21.73	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	21.98	22.9	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	21.91	22.83	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	21.57	22.49	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.79	21.71	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	19.15	20.07	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	18.83	19.75	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	18.8	19.72	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	19.02	19.94	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#0	18.82	19.74	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#49	18.87	19.79	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	19	19.92	34.77	PASS
Band71	20MHz	256QAM	133322	100RB#0	18.75	19.67	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	18.93	19.85	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	18.9	19.82	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	18.75	19.67	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	18.89	19.81	34.77	PASS



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Report No.: SUCR240400008901

Rev.: 01

Page: 8 of 198

2. Frequency Stability

2.4 B71_20MHz

2.4.1 Test Result

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	673	100	0	20	3.135	-0.100	-0.0001	/	Pass
					3.7	0.741	0.0011	/	Pass
					4.4	0.075	0.0001	/	Pass
				-30	3.7	1.002	0.0015	/	Pass
					3.7	0.723	0.0011	/	Pass
					3.7	1.517	0.0023	/	Pass
				-10	3.7	-0.166	-0.0002	/	Pass
					3.7	0.049	0.0001	/	Pass
					3.7	0.639	0.0009	/	Pass
				40	3.7	0.145	0.0002	/	Pass
					3.7	1.549	0.0023	/	Pass
					3.7	-0.751	-0.0011	/	Pass
	683	100	0	20	3.135	-0.751	-0.0011	/	Pass
					3.7	-0.451	-0.0007	/	Pass
					4.4	-1.258	-0.0018	/	Pass
				-30	3.7	-0.591	-0.0009	/	Pass
					3.7	-0.227	-0.0003	/	Pass
					3.7	0.885	0.0013	/	Pass
				-10	3.7	-1.343	-0.0020	/	Pass
					3.7	-1.026	-0.0015	/	Pass
					3.7	-0.206	-0.0003	/	Pass
				40	3.7	0.360	0.0005	/	Pass
					3.7	-1.656	-0.0024	/	Pass
					3.7	0.107	0.0002	/	Pass
	688	100	0	20	3.135	0.107	0.0002	/	Pass
					3.7	0.006	0.0000	/	Pass
					4.4	0.600	0.0009	/	Pass
				-30	3.7	1.157	0.0017	/	Pass
					3.7	0.406	0.0006	/	Pass
					3.7	0.453	0.0007	/	Pass
				-10	3.7	-0.287	-0.0004	/	Pass
					3.7	-0.177	-0.0003	/	Pass
					3.7	0.507	0.0007	/	Pass
				40	3.7	-0.803	-0.0012	/	Pass
					3.7	0.510	0.0007	/	Pass
					3.7	0.510	0.0007	/	Pass



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Report No.: SUCR240400008901

Rev.: 01

Page: 9 of 198

3. Field Strength of Spurious Radiation

For report SUCR240400009001:

Test Band = LTE_B71

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328	58.69	-53.82	25.77	-64.62	-13.00	51.62	Horizontal
2	1770.5	64.19	-53.16	25.58	-58.65	-13.00	45.65	Horizontal
3	2544	53.88	-51.63	28.26	-64.75	-13.00	51.75	Horizontal
4	3288	52.82	-49.84	30.68	-61.60	-13.00	48.60	Horizontal
5	4773	51.32	-45.06	32.29	-56.71	-13.00	43.71	Horizontal
6	8550	48.80	-40.76	39.10	-48.12	-13.00	35.12	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.5	58.79	-53.82	25.77	-64.52	-13.00	51.52	Vertical
2	1767.5	57.85	-53.18	25.57	-65.02	-13.00	52.02	Vertical
3	2455	54.05	-51.92	27.91	-65.22	-13.00	52.22	Vertical
4	3830	52.11	-48.19	30.44	-60.90	-13.00	47.90	Vertical
5	5136	51.75	-44.97	33.57	-54.91	-13.00	41.91	Vertical
6	7378	49.79	-42.37	36.84	-51.00	-13.00	38.00	Vertical



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Report No.: SUCR240400008901
 Rev.: 01
 Page: 10 of 198

Test Band = LTE_B71
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1343.1679	59.27	-53.71	25.86	-63.84	-13.00	50.84	Horizontal
2	1966.4958	53.54	-52.78	26.33	-68.17	-13.00	55.17	Horizontal
3	2595.4494	53.18	-51.73	28.39	-65.42	-13.00	52.42	Horizontal
4	4522.8154	51.46	-46.32	31.94	-58.18	-13.00	45.18	Horizontal
5	6626.8284	49.06	-44.13	35.78	-54.55	-13.00	41.55	Horizontal
6	9509.4387	48.13	-39.30	39.18	-47.25	-13.00	34.25	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1343.1679	60.61	-53.71	25.86	-62.50	-13.00	49.50	Vertical
2	1921.4902	53.58	-52.89	25.99	-68.58	-13.00	55.58	Vertical
3	2724.8406	52.85	-51.30	28.60	-65.11	-13.00	52.11	Vertical
4	3971.4964	51.77	-48.19	30.99	-60.69	-13.00	47.69	Vertical
5	5677.2097	50.66	-44.43	33.41	-55.62	-13.00	42.62	Vertical
6	8933.3667	48.39	-40.41	38.43	-48.85	-13.00	35.85	Vertical



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Rev.: 01
Page: 11 of 198

Test Band = LTE_B71
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358	59.37	-53.69	25.88	-63.70	-13.00	50.70	Horizontal
2	1700	54.88	-53.23	25.80	-67.81	-13.00	54.81	Horizontal
3	2518.5	54.50	-51.74	28.11	-64.39	-13.00	51.39	Horizontal
4	4384.5	51.98	-46.70	32.11	-57.87	-13.00	44.87	Horizontal
5	6490.5	50.25	-44.22	34.97	-54.26	-13.00	41.26	Horizontal
6	9095.5	48.63	-39.72	38.70	-47.65	-13.00	34.65	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.5	58.86	-53.69	25.88	-64.21	-13.00	51.21	Vertical
2	1907.5	54.45	-52.94	25.93	-67.82	-13.00	54.82	Vertical
3	2517.5	59.78	-51.74	28.11	-59.11	-13.00	46.11	Vertical
4	4401	51.89	-46.78	32.19	-57.96	-13.00	44.96	Vertical
5	6899.5	49.95	-43.37	36.20	-52.48	-13.00	39.48	Vertical
6	9507	48.96	-39.29	39.19	-46.40	-13.00	33.40	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



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Rev.: 01
Page: 12 of 198

For report SUCR240400008901:

Test Band = LTE_71_TM1
Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328	57.06	-47.15	24.88	-60.47	-13.00	47.47	Horizontal
2	1861	46.88	-46.72	25.56	-69.54	-13.00	56.54	Horizontal
3	2798.5	46.55	-45.15	28.29	-65.57	-13.00	52.57	Horizontal
4	4055	46.26	-43.80	29.59	-63.21	-13.00	50.21	Horizontal
5	5912	44.71	-40.91	32.82	-58.64	-13.00	45.64	Horizontal
6	8998	42.12	-35.56	36.71	-51.99	-13.00	38.99	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328	54.87	-47.15	24.88	-62.66	-13.00	49.66	Vertical
2	2149	47.00	-46.33	26.51	-68.08	-13.00	55.08	Vertical
3	3346.5	46.93	-44.91	28.59	-64.65	-13.00	51.65	Vertical
4	5447	45.53	-41.80	32.22	-59.31	-13.00	46.31	Vertical
5	7370	43.68	-38.31	36.58	-53.31	-13.00	40.31	Vertical
6	9951	41.73	-34.91	38.65	-49.79	-13.00	36.79	Vertical



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Report No.: SUCR240400008901

Rev.: 01

Page: 13 of 198

Test Band = LTE_71_TM1

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348	61.62	-47.10	25.08	-55.66	-13.00	42.66	Horizontal
2	2004.5	47.17	-46.27	26.48	-67.88	-13.00	54.88	Horizontal
3	3139	46.93	-45.00	28.74	-64.59	-13.00	51.59	Horizontal
4	4816	45.32	-42.81	30.74	-62.01	-13.00	49.01	Horizontal
5	6516	43.97	-39.99	34.36	-56.92	-13.00	43.92	Horizontal
6	8879.5	42.00	-35.47	36.74	-51.99	-13.00	38.99	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348	54.98	-47.10	25.08	-62.30	-13.00	49.30	Vertical
2	1862	47.10	-46.72	25.55	-69.33	-13.00	56.33	Vertical
3	2800.5	46.75	-45.14	28.30	-65.35	-13.00	52.35	Vertical
4	4264.5	46.01	-43.06	29.71	-62.60	-13.00	49.60	Vertical
5	7428.5	42.93	-37.92	36.76	-53.49	-13.00	40.49	Vertical
6	9521	41.71	-35.11	37.80	-50.86	-13.00	37.86	Vertical



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Report No.: SUCR240400008901
Rev.: 01
Page: 14 of 198

Test Band = LTE_71_TM1
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358	59.67	-47.04	25.07	-57.56	-13.00	44.56	Horizontal
2	2037	47.45	-46.31	26.35	-67.77	-13.00	54.77	Horizontal
3	3084	47.09	-45.18	28.87	-64.48	-13.00	51.48	Horizontal
4	4839.5	45.52	-42.80	30.64	-61.90	-13.00	48.90	Horizontal
5	6821	43.66	-39.20	35.48	-55.32	-13.00	42.32	Horizontal
6	9813.5	41.71	-34.83	38.42	-49.96	-13.00	36.96	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358	56.34	-47.04	25.07	-60.89	-13.00	47.89	Vertical
2	2037.5	47.71	-46.31	26.35	-67.51	-13.00	54.51	Vertical
3	2999	46.73	-45.04	28.59	-64.98	-13.00	51.98	Vertical
4	4272	45.96	-42.97	29.67	-62.60	-13.00	49.60	Vertical
5	6853.5	43.94	-39.38	35.59	-55.11	-13.00	42.11	Vertical
6	9525	42.04	-35.13	37.80	-50.55	-13.00	37.55	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



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4. 99% & 26dB Bandwidth

4.1 Band71_OBW

4.1.1 Test Result

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	4.572	/	Pass
		680.5	25	0	4.568	/	Pass
		695.5	25	0	4.584	/	Pass
	16QAM	665.5	25	0	4.577	/	Pass
		680.5	25	0	4.555	/	Pass
		695.5	25	0	4.566	/	Pass
	64QAM	665.5	25	0	4.547	/	Pass
		680.5	25	0	4.547	/	Pass
		695.5	25	0	4.555	/	Pass
	256QAM	665.5	25	0	4.566	/	Pass
		680.5	25	0	4.567	/	Pass
		695.5	25	0	4.541	/	Pass
10	QPSK	668	50	0	9.079	/	Pass
		680.5	50	0	9.072	/	Pass
		693	50	0	9.032	/	Pass
	16QAM	668	50	0	9.050	/	Pass
		680.5	50	0	9.033	/	Pass
		693	50	0	9.061	/	Pass
	64QAM	668	50	0	9.051	/	Pass
		680.5	50	0	9.082	/	Pass
		693	50	0	9.033	/	Pass
	256QAM	668	50	0	9.065	/	Pass
		680.5	50	0	9.061	/	Pass
		693	50	0	9.079	/	Pass
15	QPSK	670.5	75	0	13.613	/	Pass
		680.5	75	0	13.528	/	Pass
		690.5	75	0	13.622	/	Pass
	16QAM	670.5	75	0	13.591	/	Pass
		680.5	75	0	13.596	/	Pass
		690.5	75	0	13.652	/	Pass
	64QAM	670.5	75	0	13.557	/	Pass
		680.5	75	0	13.571	/	Pass
		690.5	75	0	13.550	/	Pass
	256QAM	670.5	75	0	13.567	/	Pass
		680.5	75	0	13.577	/	Pass
		690.5	75	0	13.625	/	Pass
20	QPSK	673	100	0	18.103	/	Pass
		683	100	0	18.006	/	Pass
		688	100	0	18.142	/	Pass



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Report No.: SUCR240400008901

Rev.: 01

Page: 16 of 198

	16QAM	673	100	0	18.035	/	Pass
		683	100	0	18.123	/	Pass
		688	100	0	18.127	/	Pass
	64QAM	673	100	0	18.098	/	Pass
		683	100	0	18.102	/	Pass
		688	100	0	18.145	/	Pass
	256QAM	673	100	0	18.081	/	Pass
		683	100	0	18.117	/	Pass
		688	100	0	18.112	/	Pass
		673	100	0	18.035	/	Pass
		683	100	0	18.123	/	Pass
		688	100	0	18.127	/	Pass



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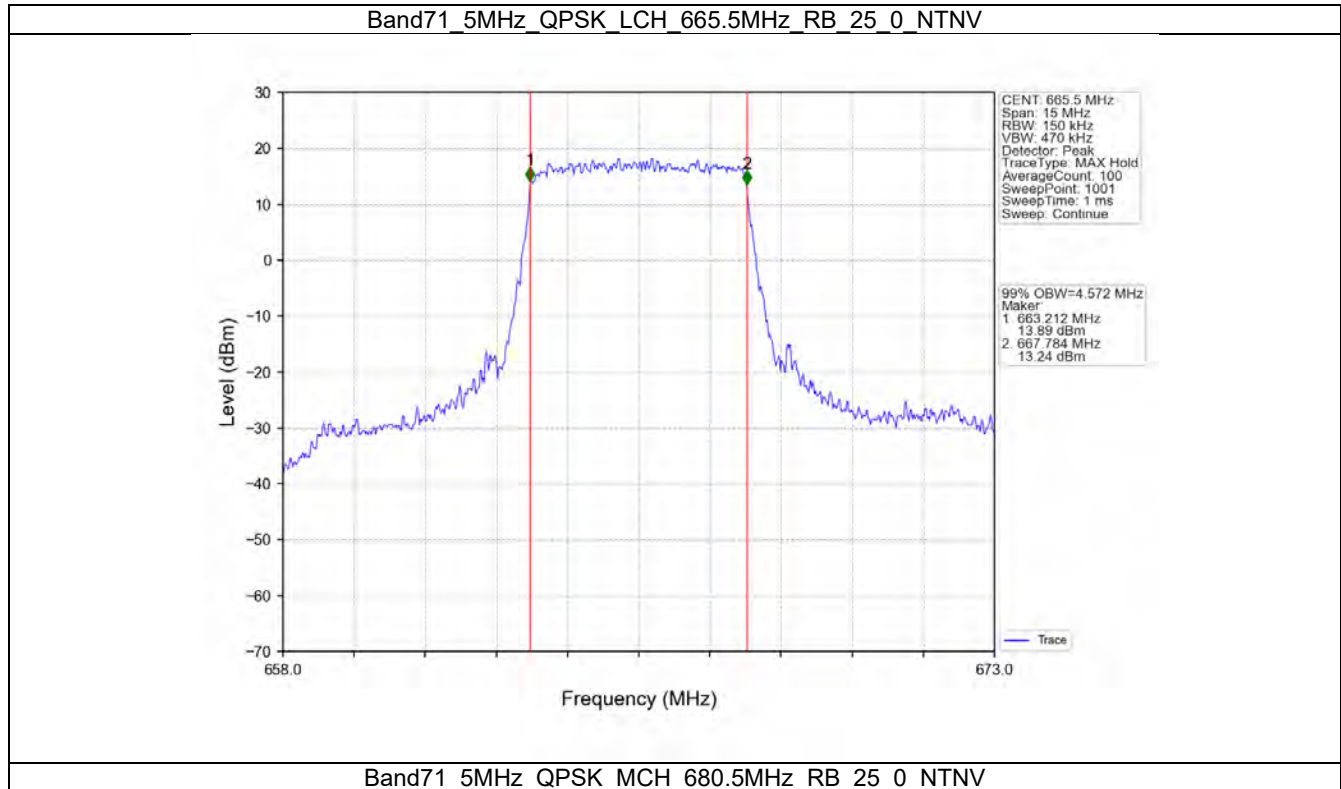
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Rev.: 01

Page: 17 of 198

4.1.2 Test Graph



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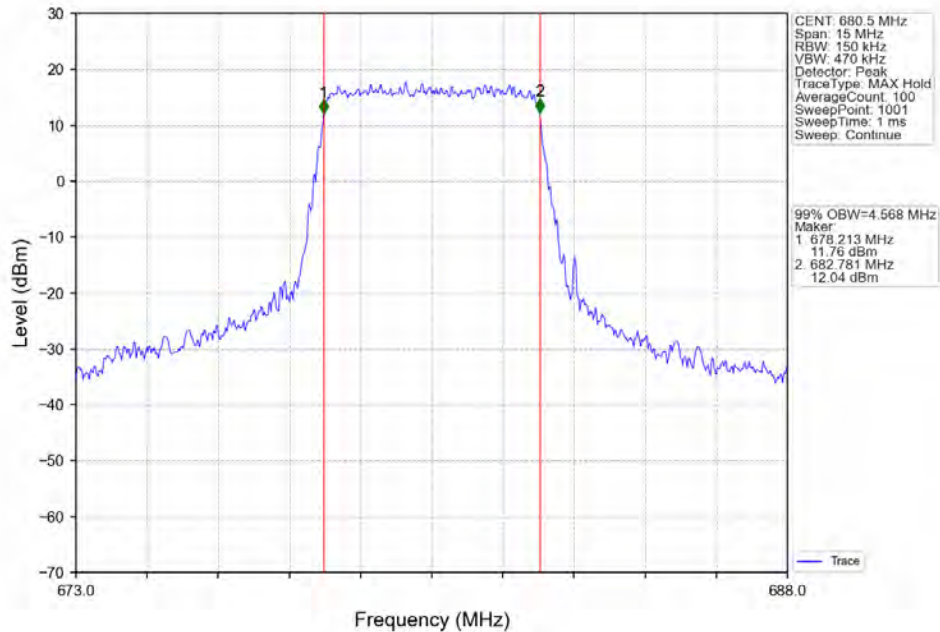
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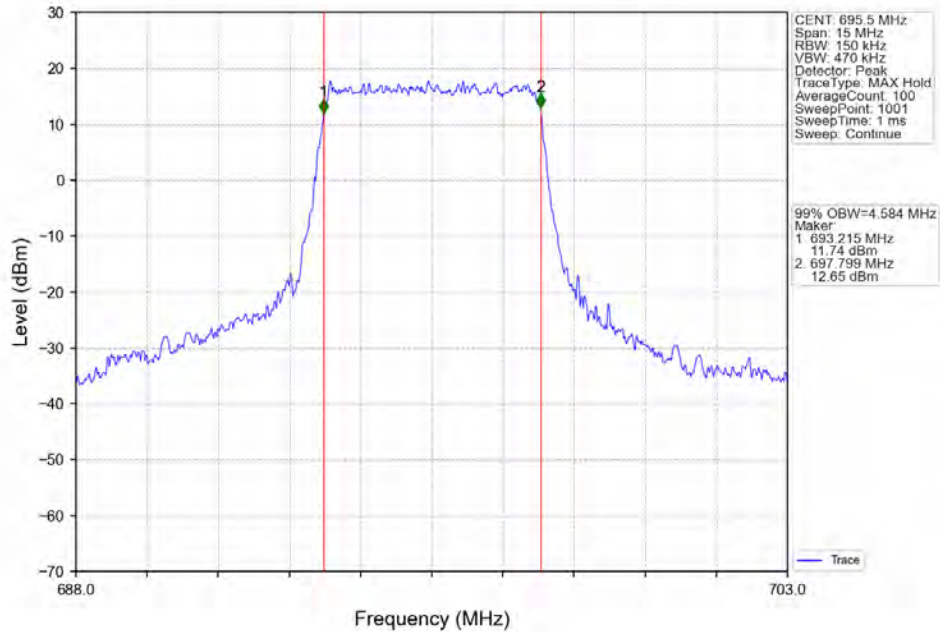
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Report No.: SUCR240400008901

Rev.: 01

Page: 19 of 198

Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



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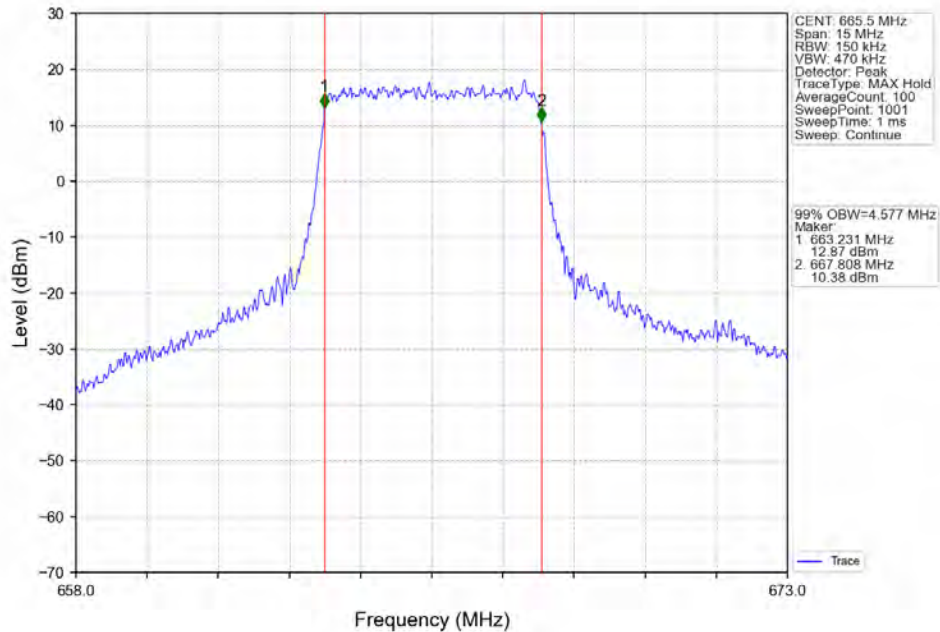
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Rev.: 01

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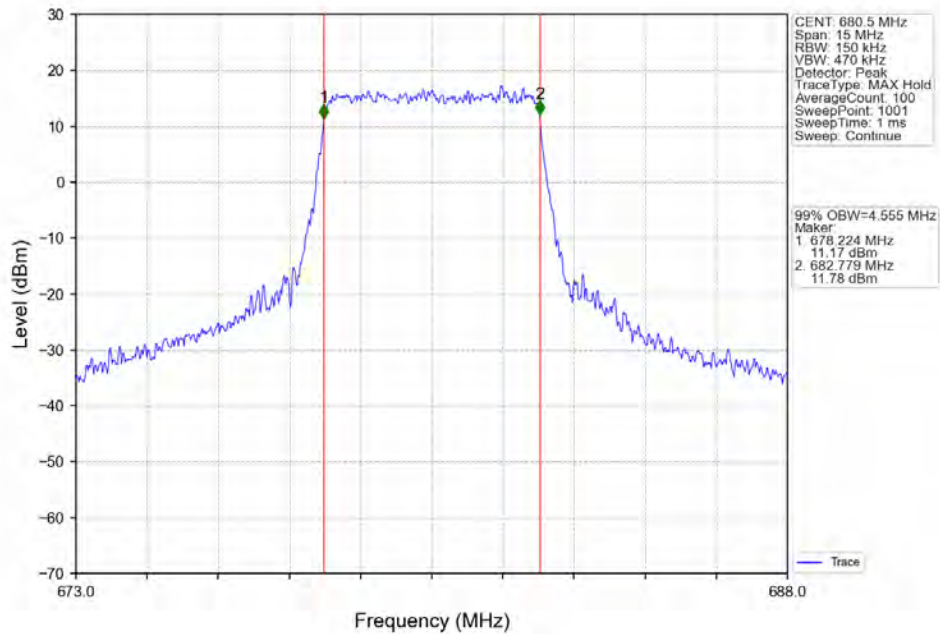
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Report No.: SUCR240400008901

Rev.: 01

Page: 21 of 198

Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV



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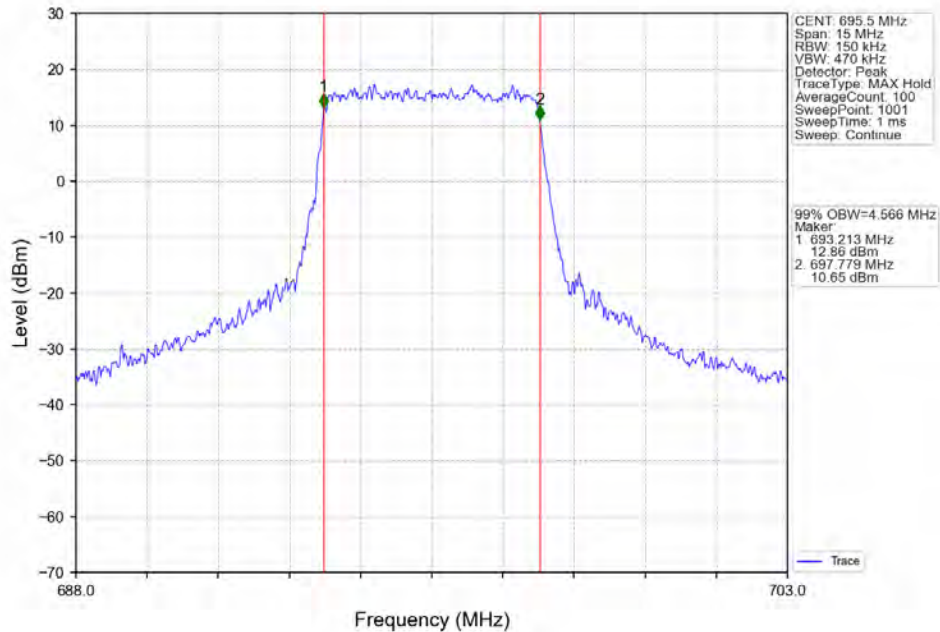
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Page: 22 of 198



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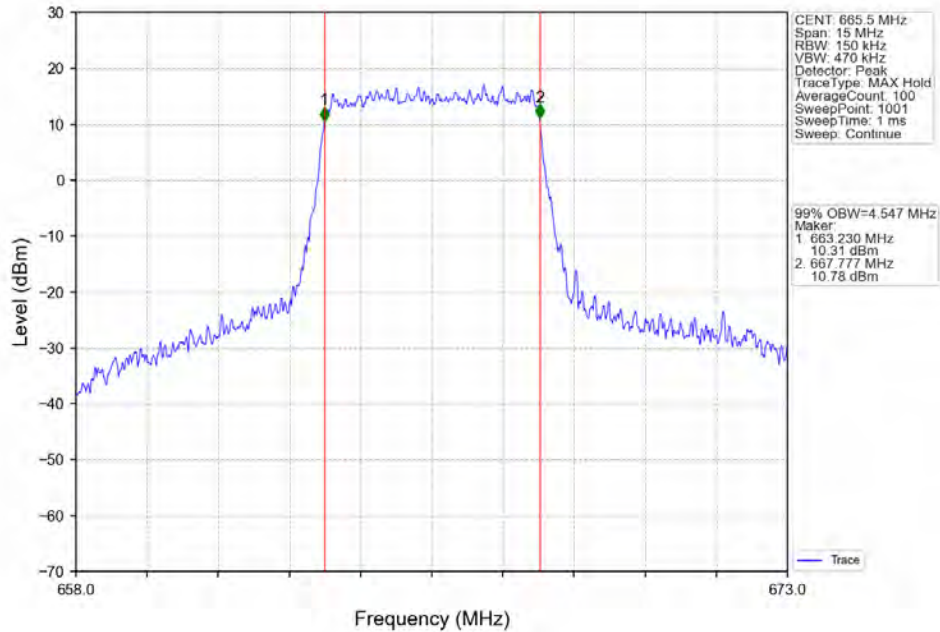
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Rev.: 01

Page: 23 of 198

Band71_5MHz_64QAM_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



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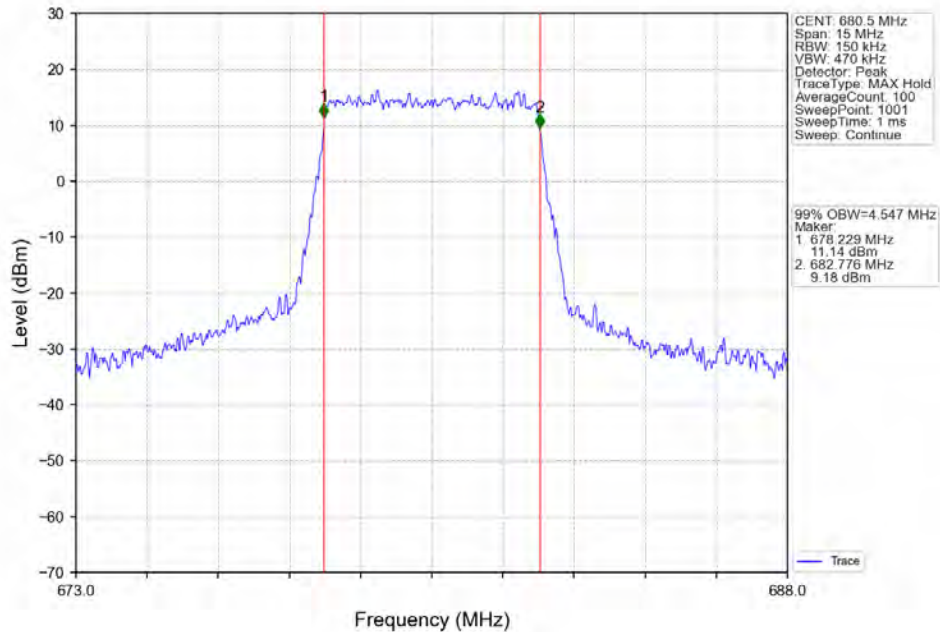
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Report No.: SUCR240400008901

Rev.: 01

Page: 24 of 198



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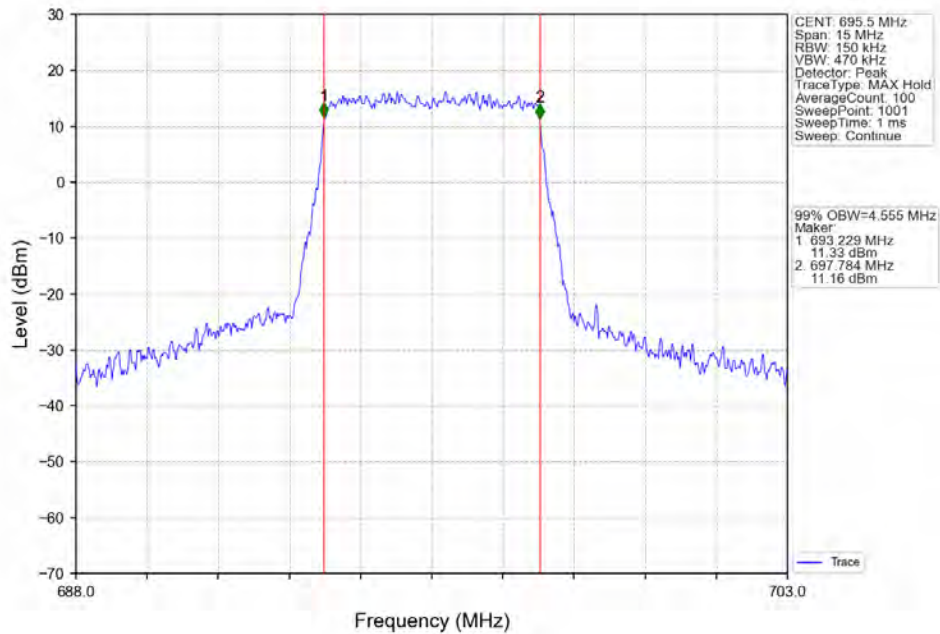
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Report No.: SUCR240400008901

Rev.: 01

Page: 25 of 198

Band71 5MHz 64QAM HCH 695.5MHz RB 25 0 NTN



Band71 5MHz 256QAM LCH 665.5MHz RB 25 0 NTN



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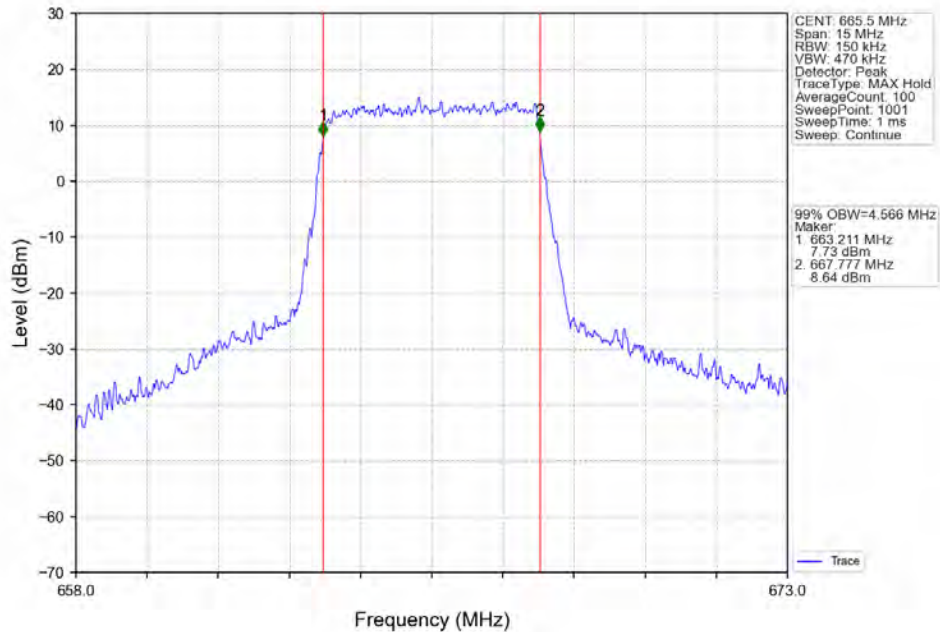
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Report No.: SUCR240400008901

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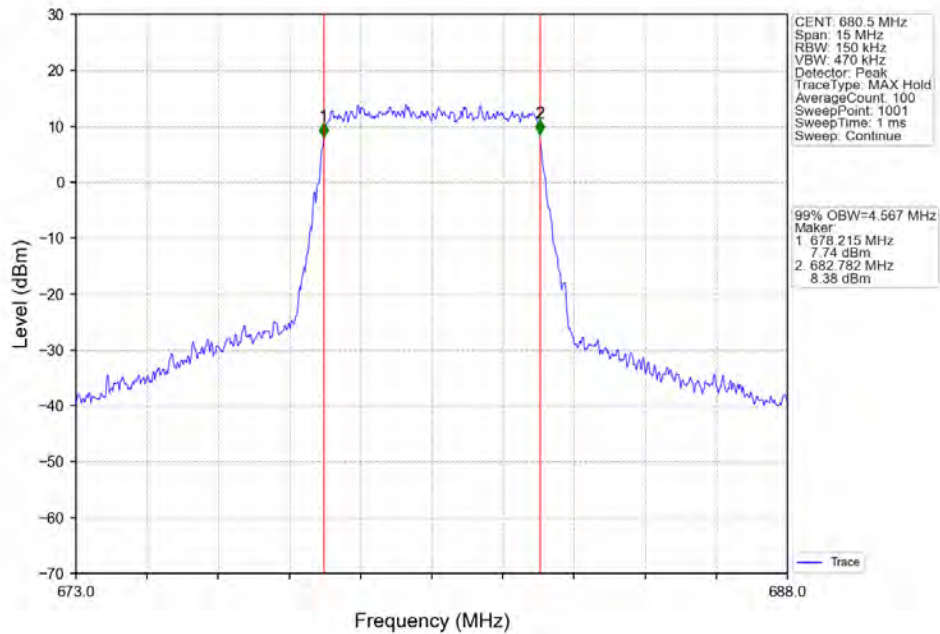
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Report No.: SUCR240400008901

Rev.: 01

Page: 27 of 198

Band71_5MHz_256QAM_MCH_680.5MHz_RB_25_0_NTNV



Band71_5MHz_256QAM_HCH_695.5MHz_RB_25_0_NTNV



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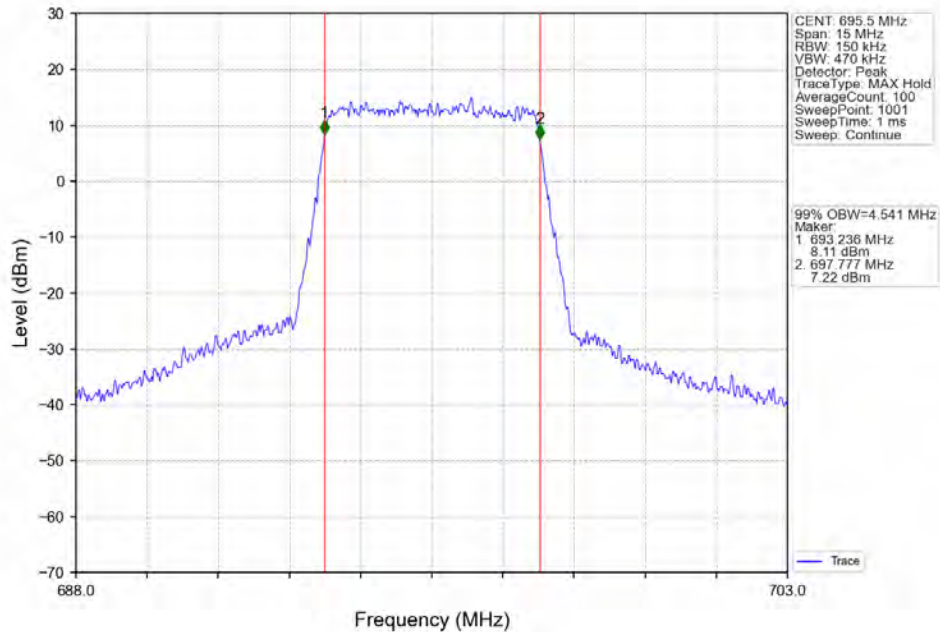
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Page: 28 of 198



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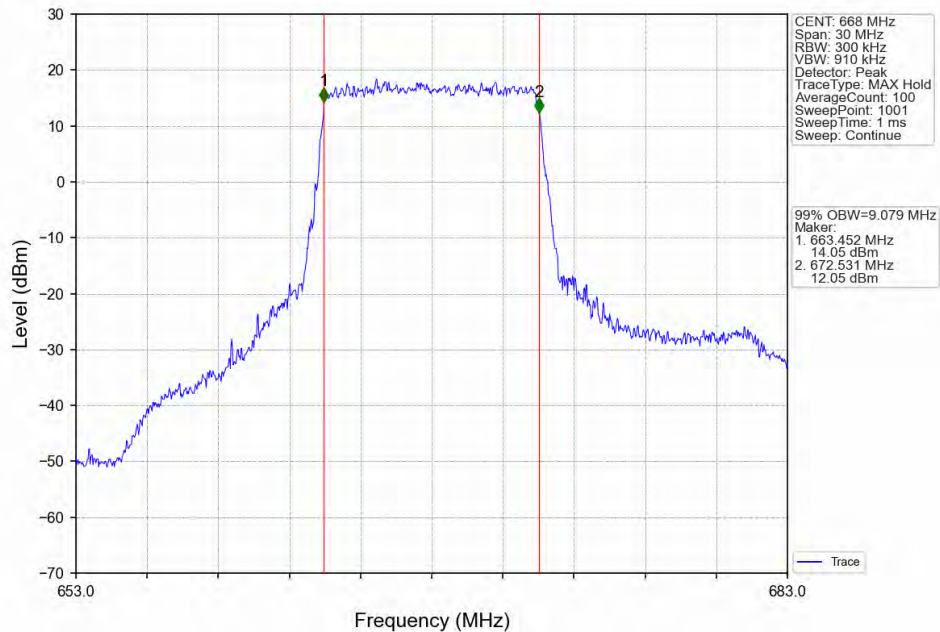
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Band71 10MHz QPSK LCH 668MHz RB 50 0 NTN



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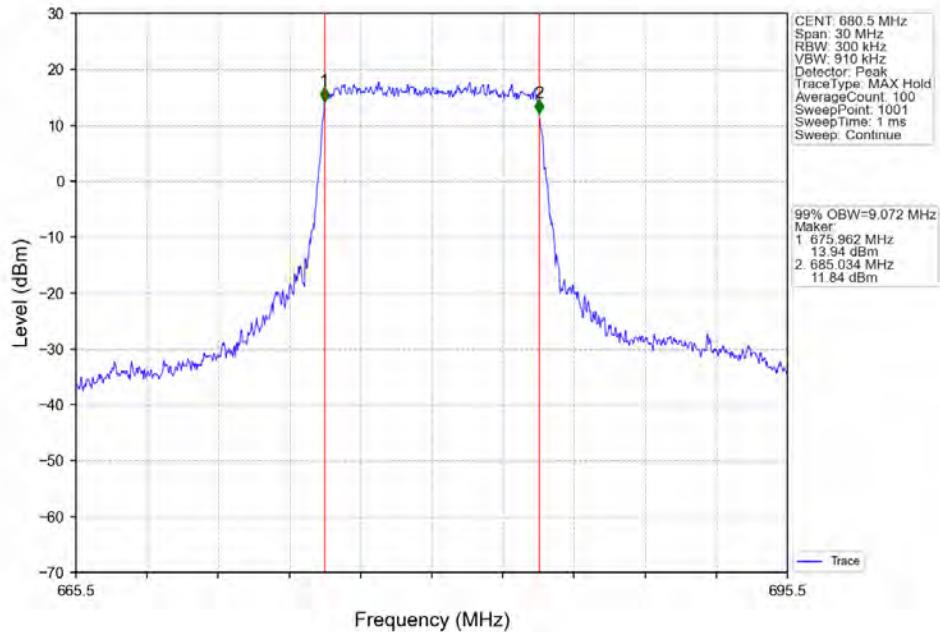
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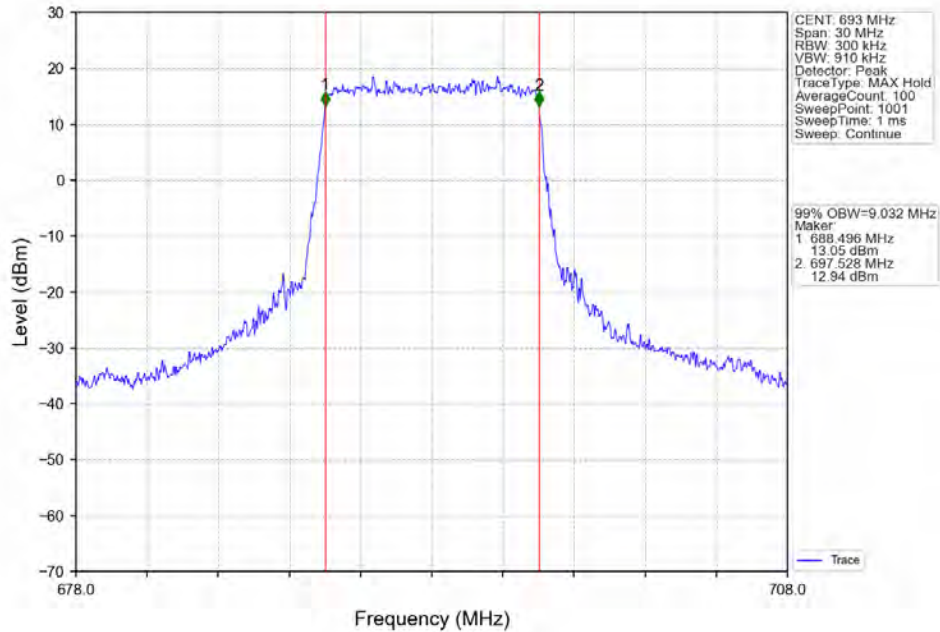
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Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



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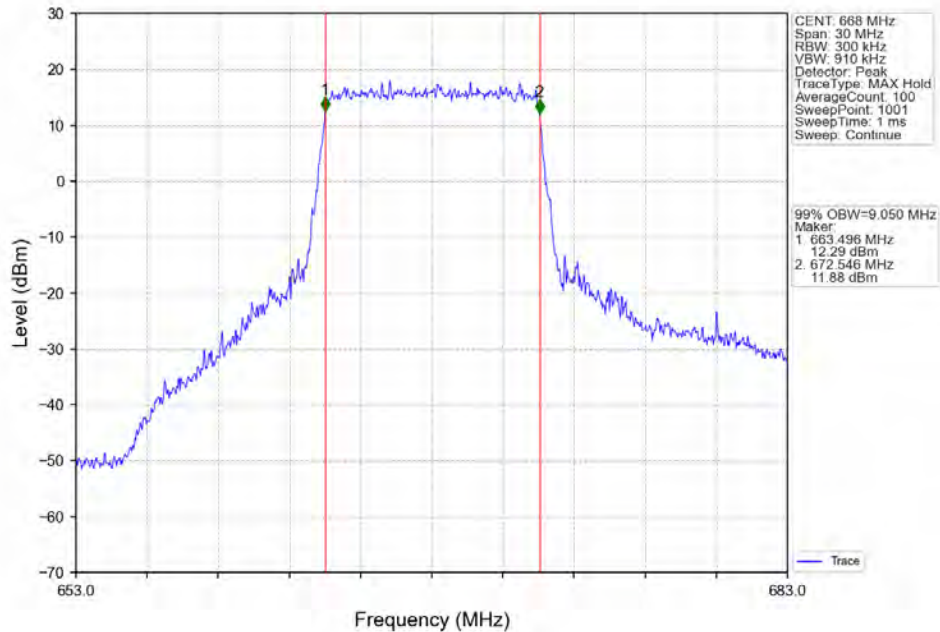
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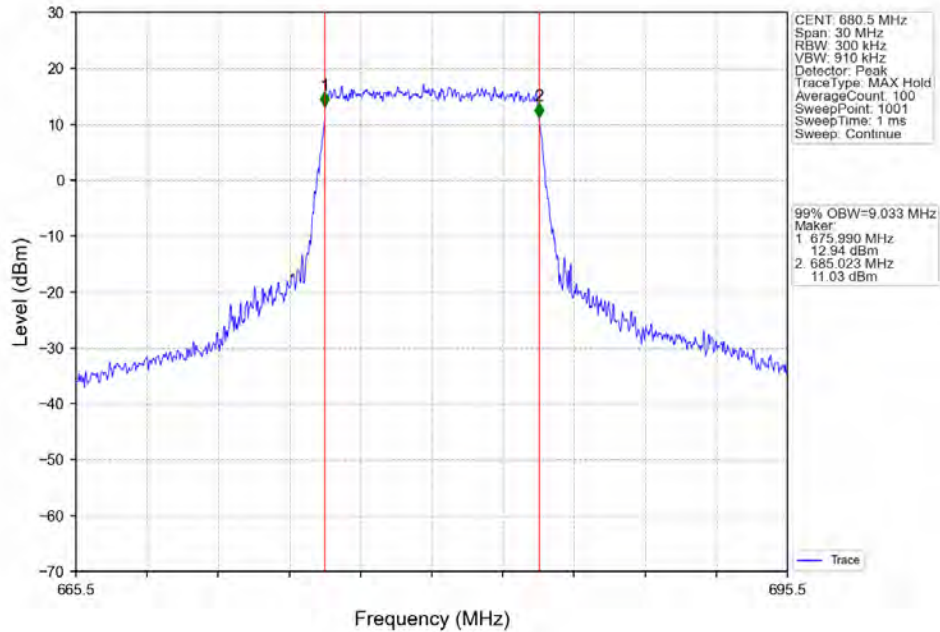
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Rev.: 01

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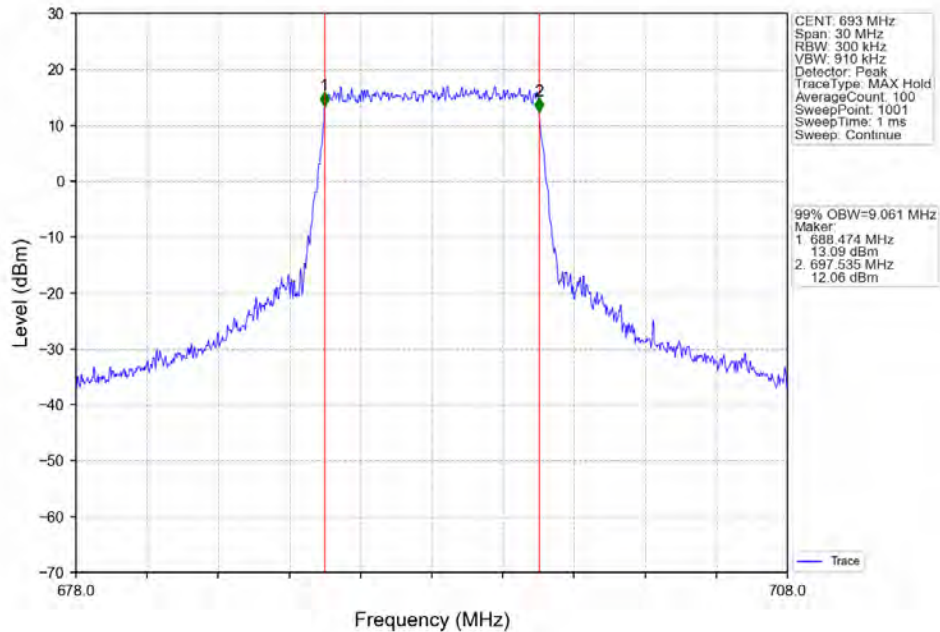
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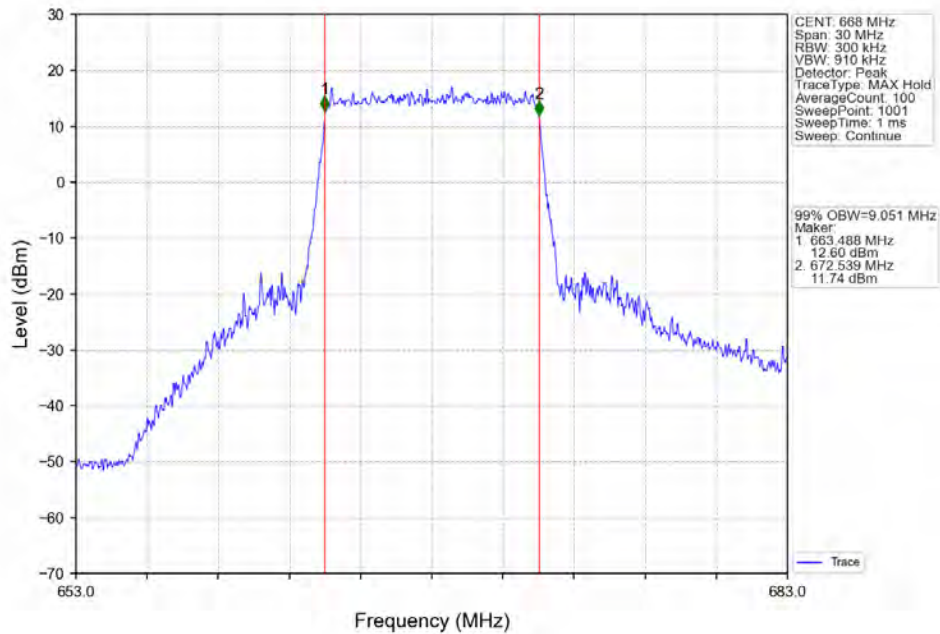
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Rev.: 01

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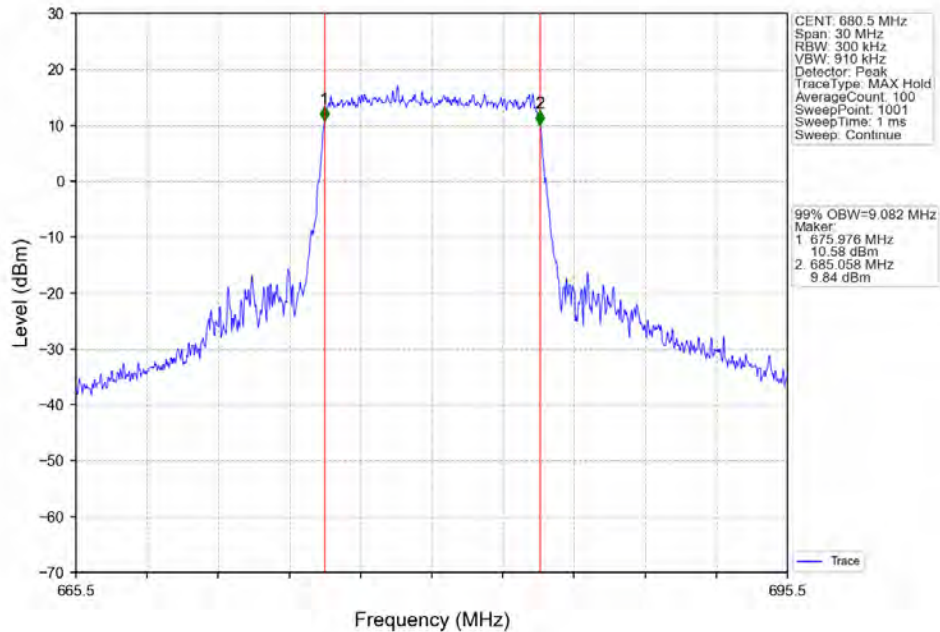
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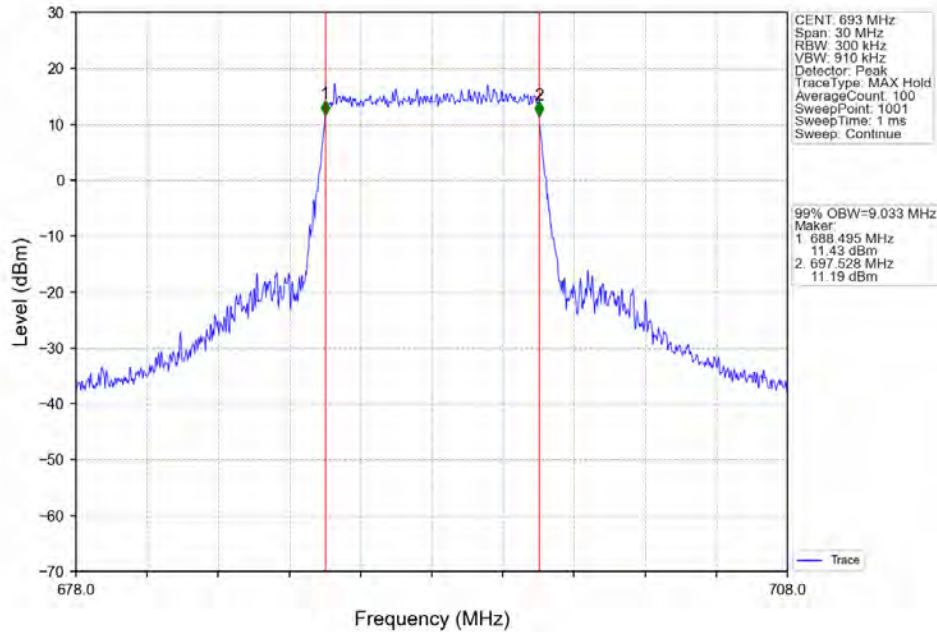
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Report No.: SUCR240400008901

Rev.: 01

Page: 37 of 198

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Band71_10MHz_256QAM_LCH_668MHz_RB_50_0_NTNV



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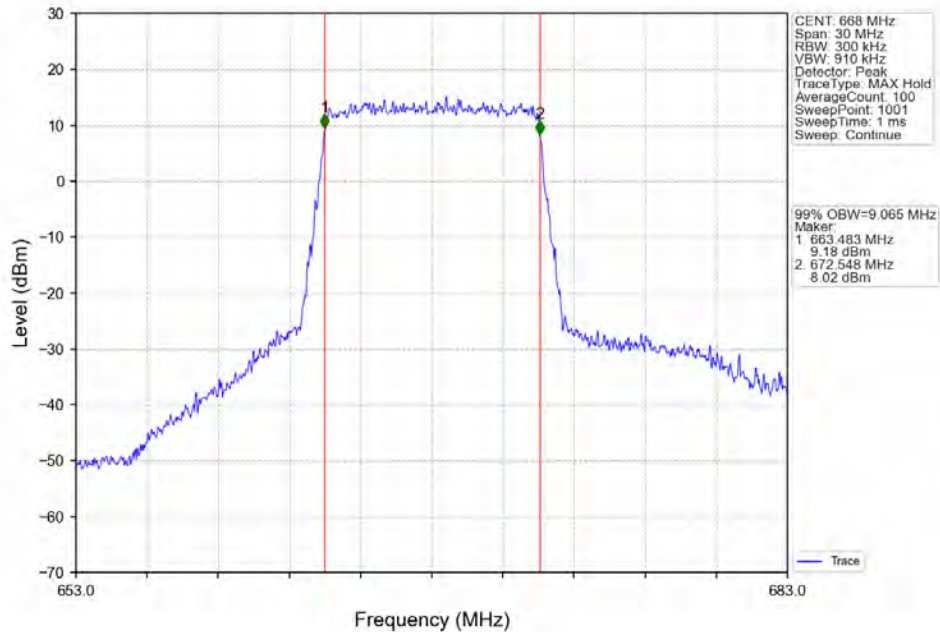
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Report No.: SUCR240400008901

Rev.: 01

Page: 38 of 198



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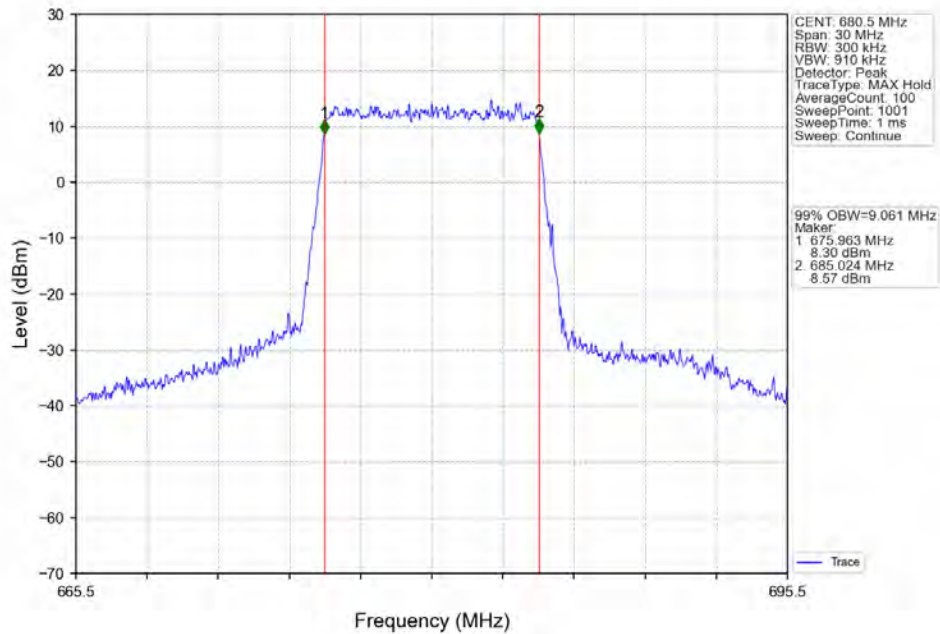
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Report No.: SUCR240400008901

Rev.: 01

Page: 39 of 198

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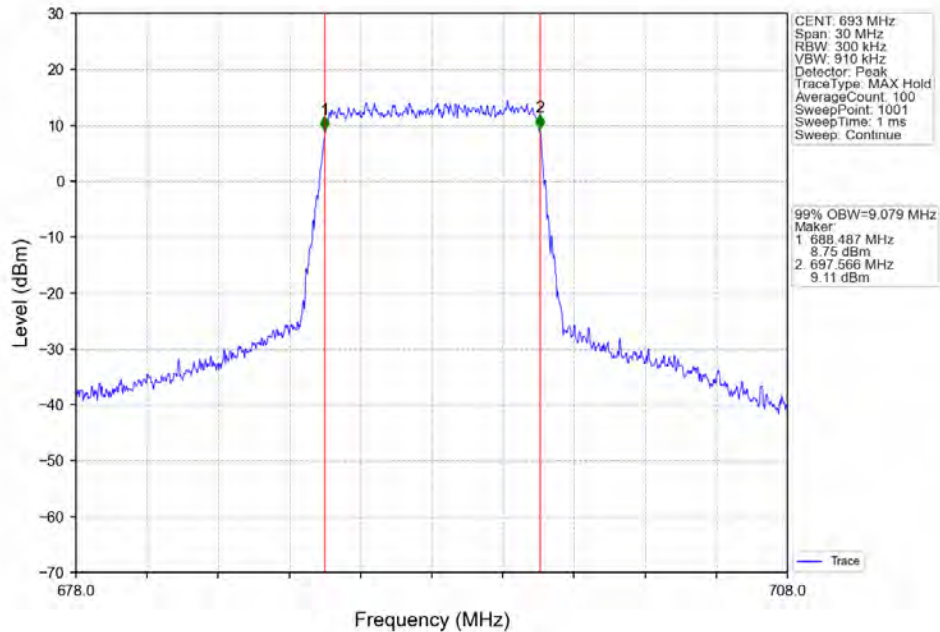
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Report No.: SUCR240400008901

Rev.: 01

Page: 40 of 198



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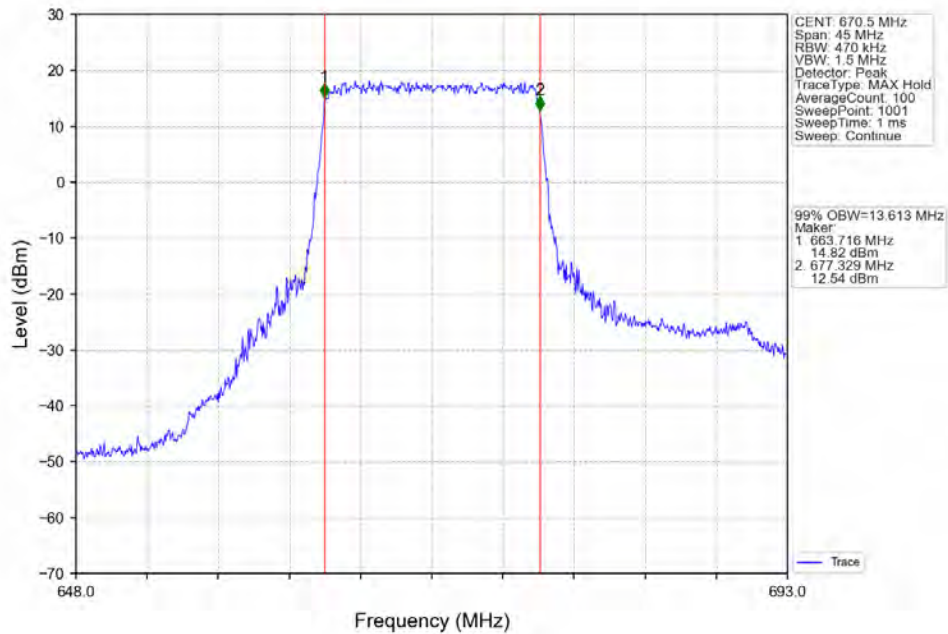
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Report No.: SUCR240400008901

Rev.: 01

Page: 41 of 198

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Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



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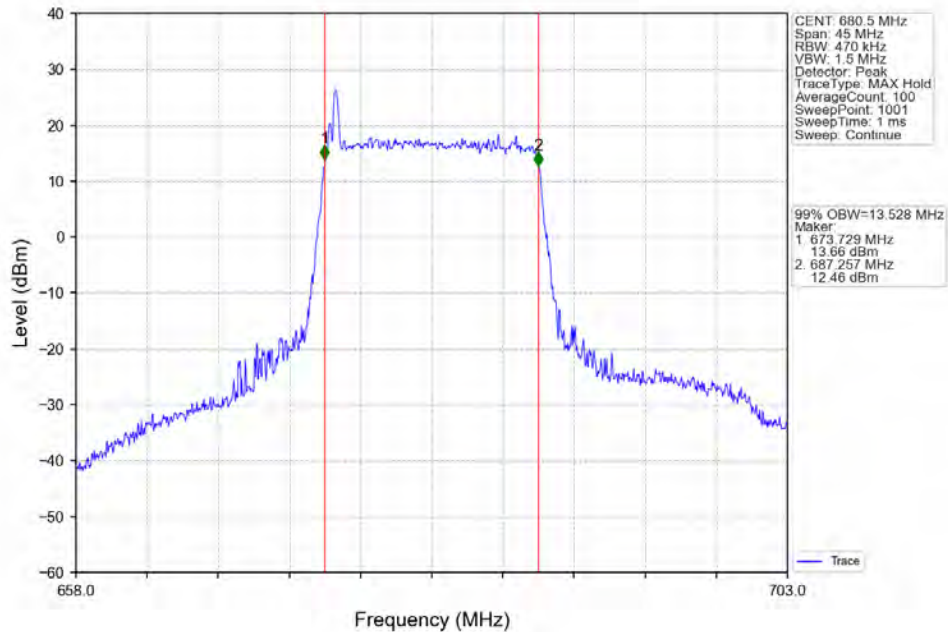
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Page: 42 of 198



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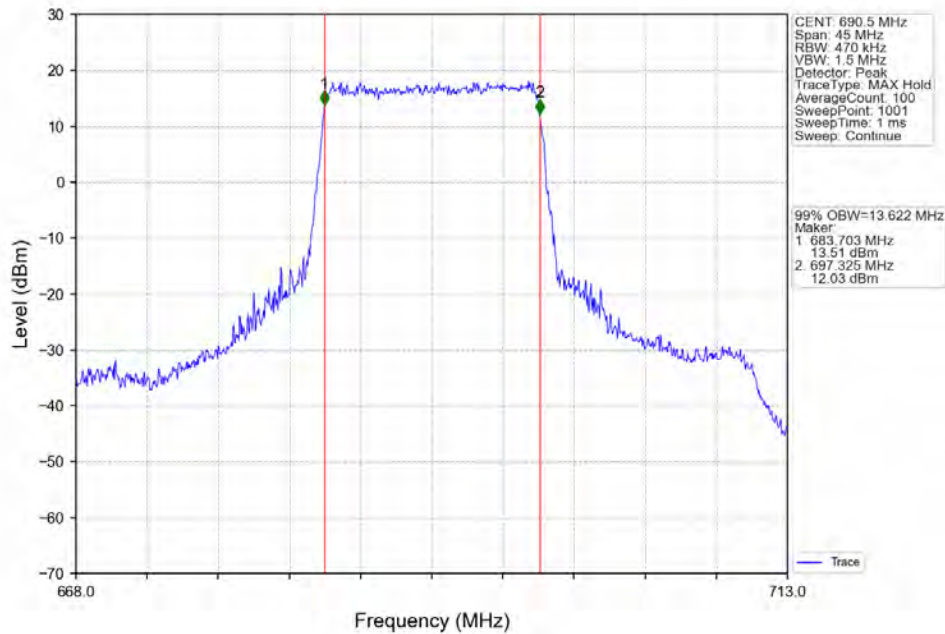
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Report No.: SUCR240400008901

Rev.: 01

Page: 43 of 198

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Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



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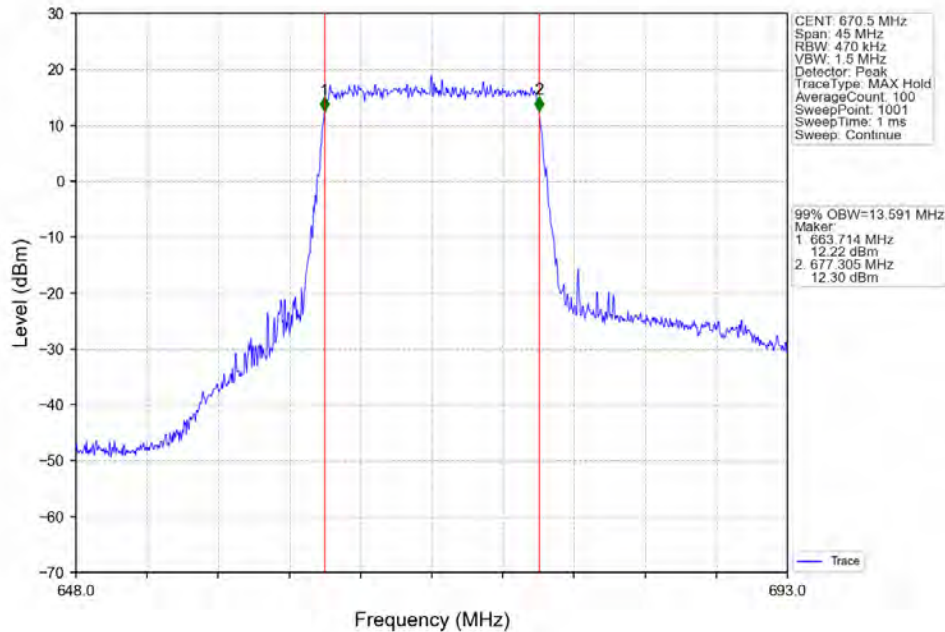
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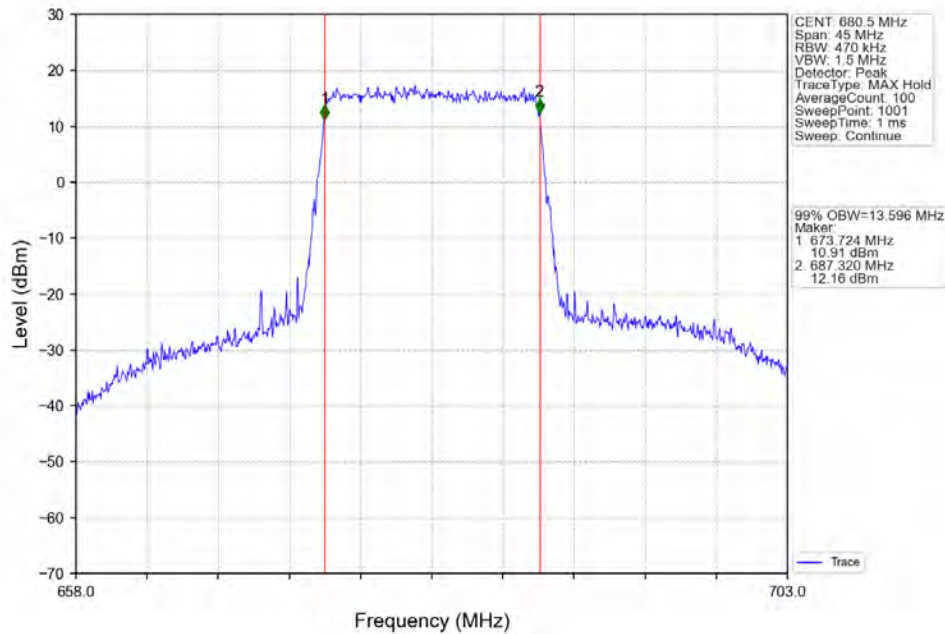
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Rev.: 01

Page: 45 of 198

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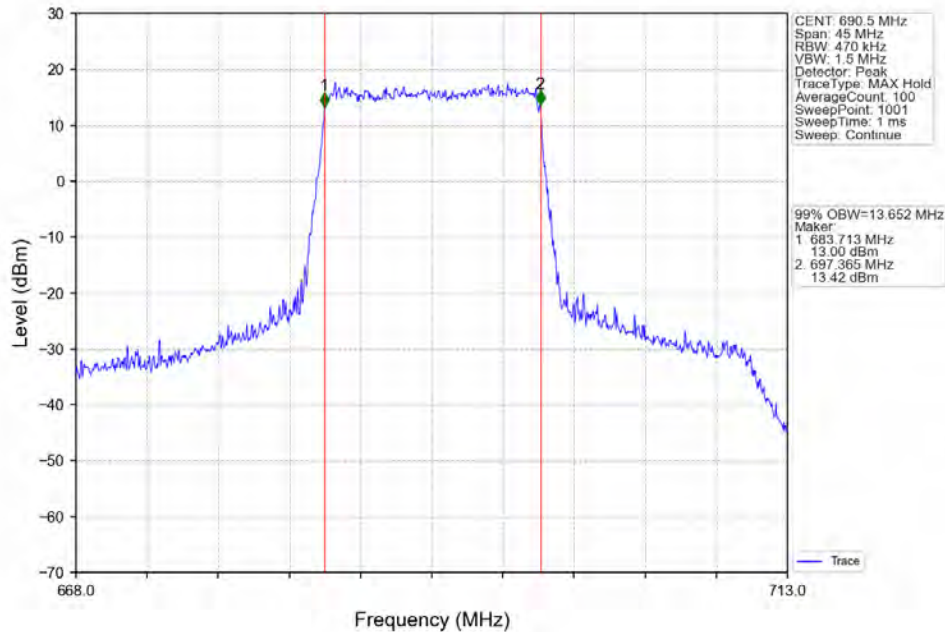
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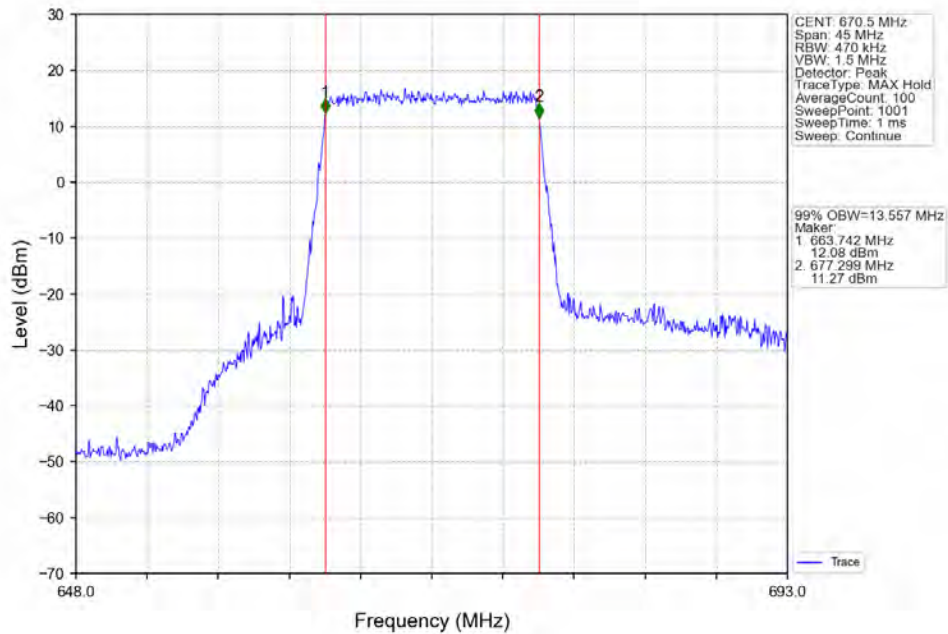
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Report No.: SUCR240400008901

Rev.: 01

Page: 47 of 198

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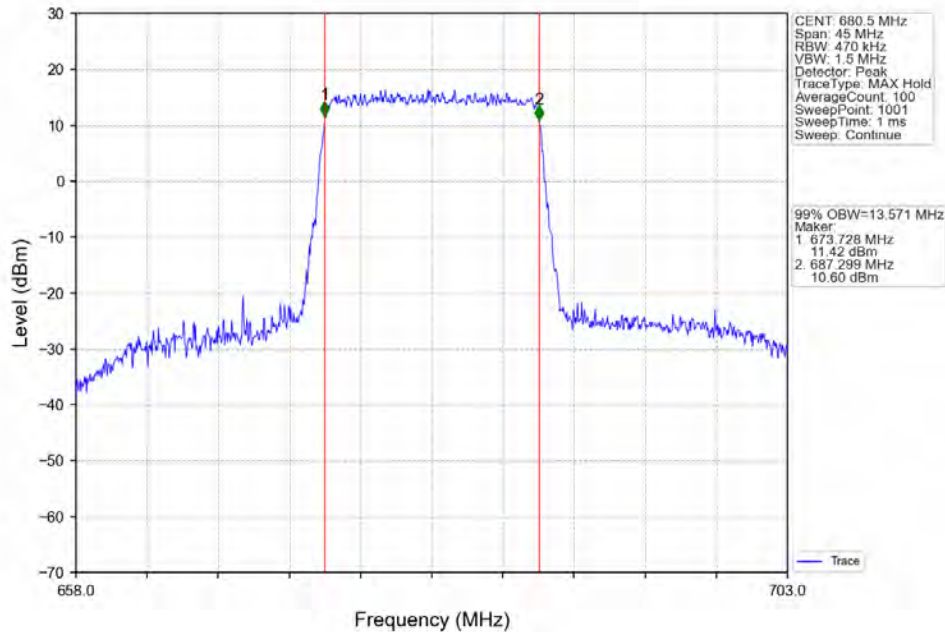
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Rev.: 01

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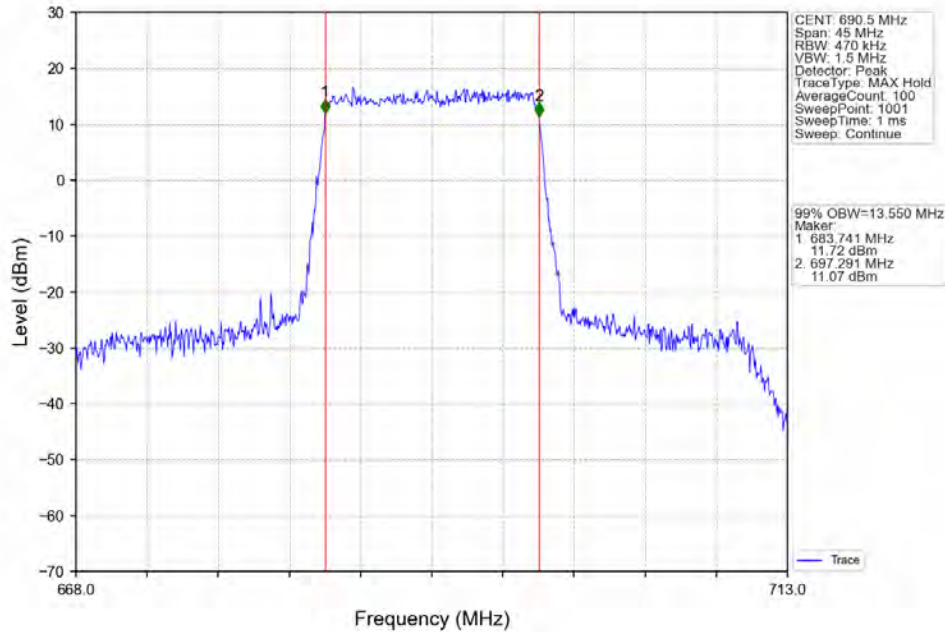
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Report No.: SUCR240400008901

Rev.: 01

Page: 49 of 198

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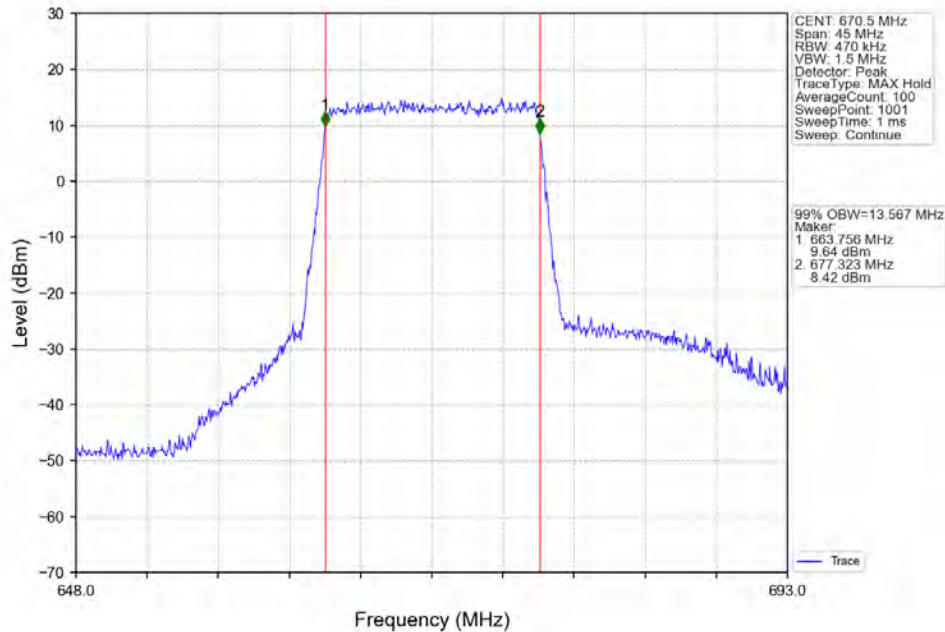
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Report No.: SUCR240400008901

Rev.: 01

Page: 50 of 198



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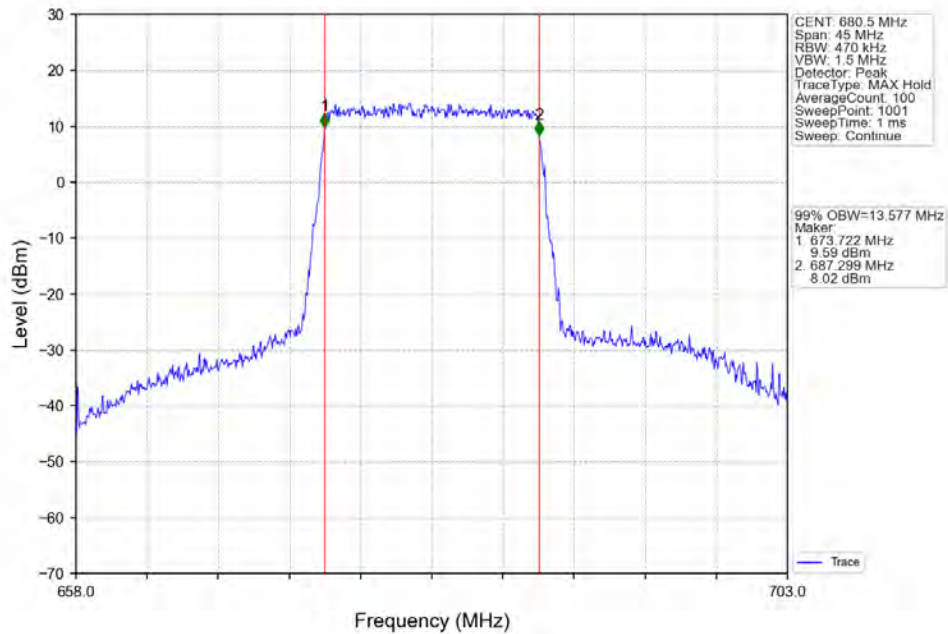
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Report No.: SUCR240400008901

Rev.: 01

Page: 51 of 198

Band71_15MHz_256QAM_MCH_680.5MHz_RB_75_0_NTNV



Band71_15MHz_256QAM_HCH_690.5MHz_RB_75_0_NTNV



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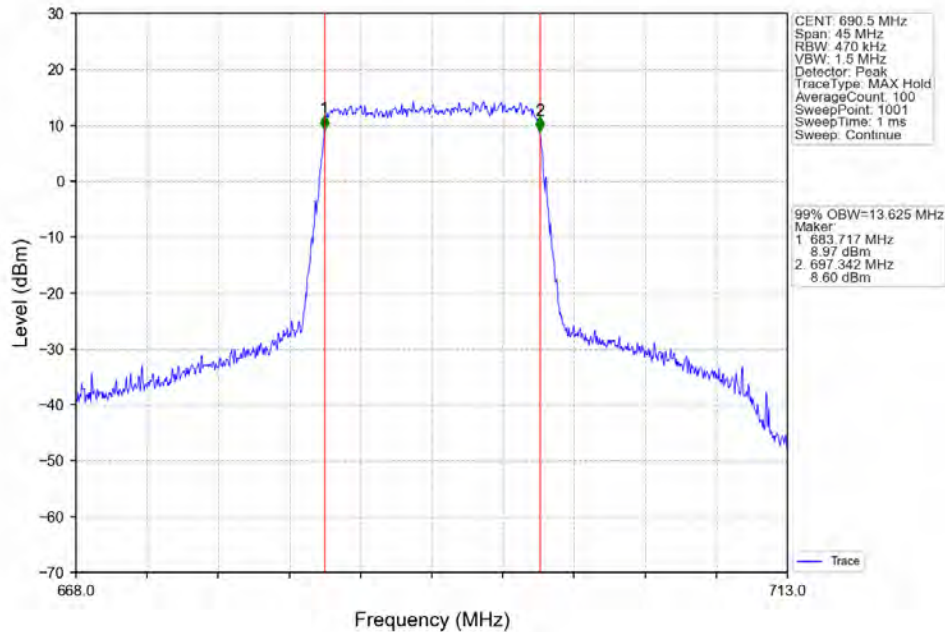
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Report No.: SUCR240400008901

Rev.: 01

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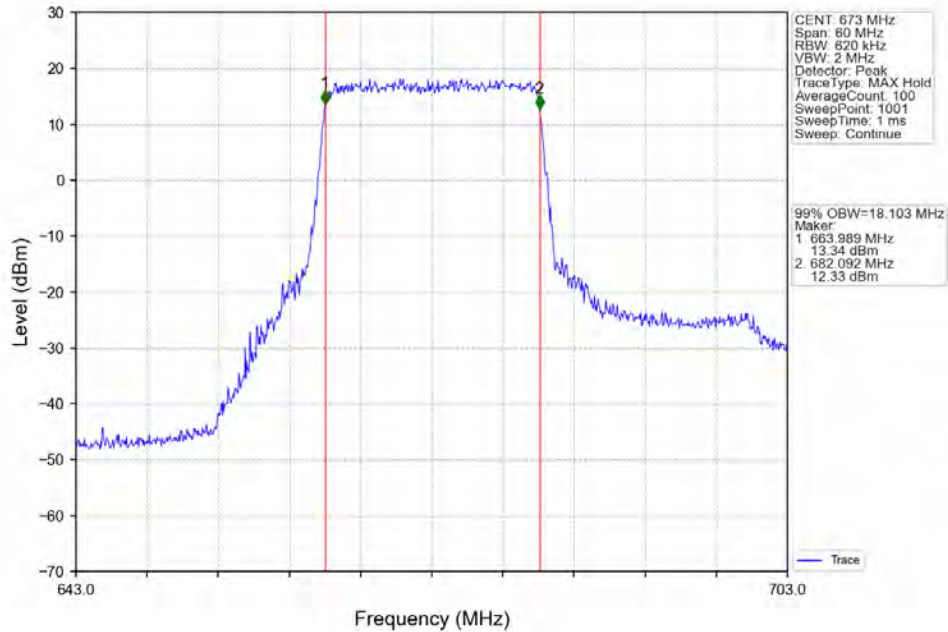
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Report No.: SUCR240400008901

Rev.: 01

Page: 53 of 198

Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



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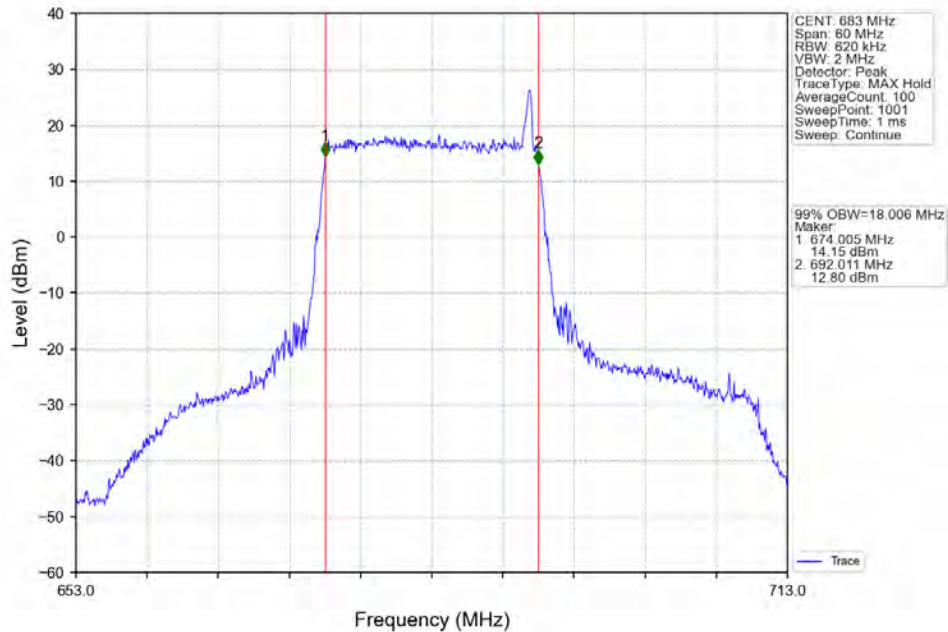
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Page: 54 of 198



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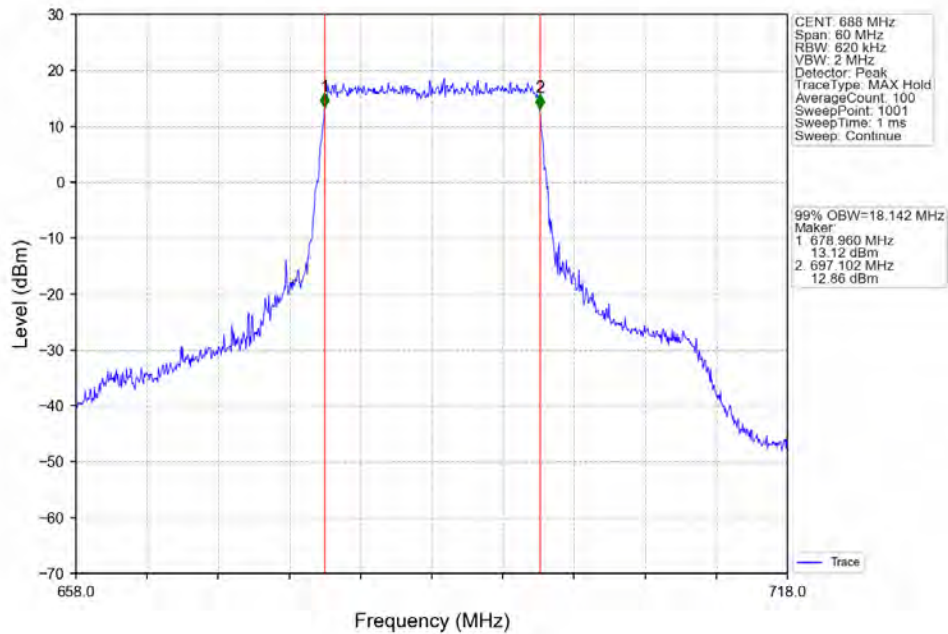
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Rev.: 01

Page: 55 of 198

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Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



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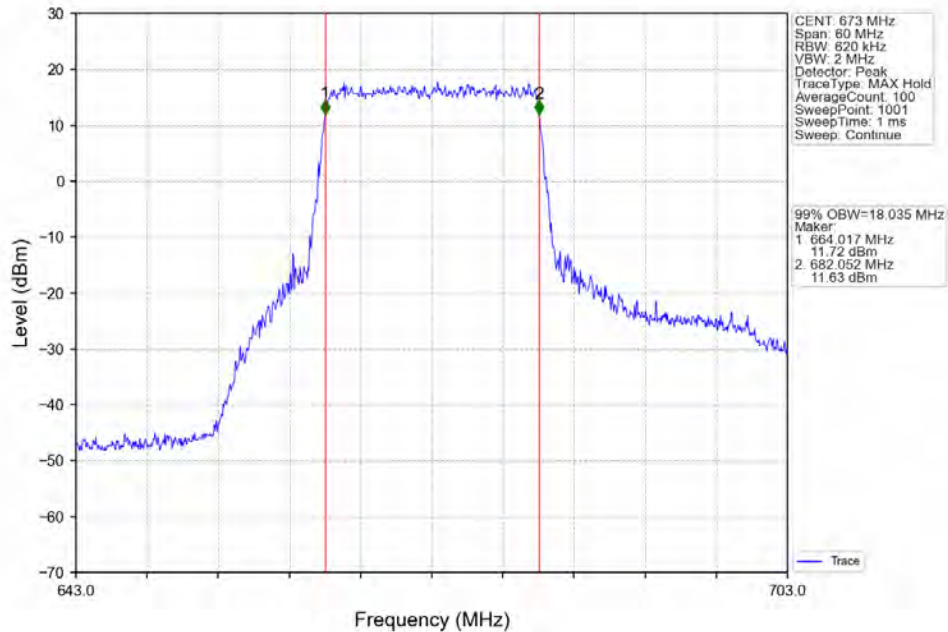
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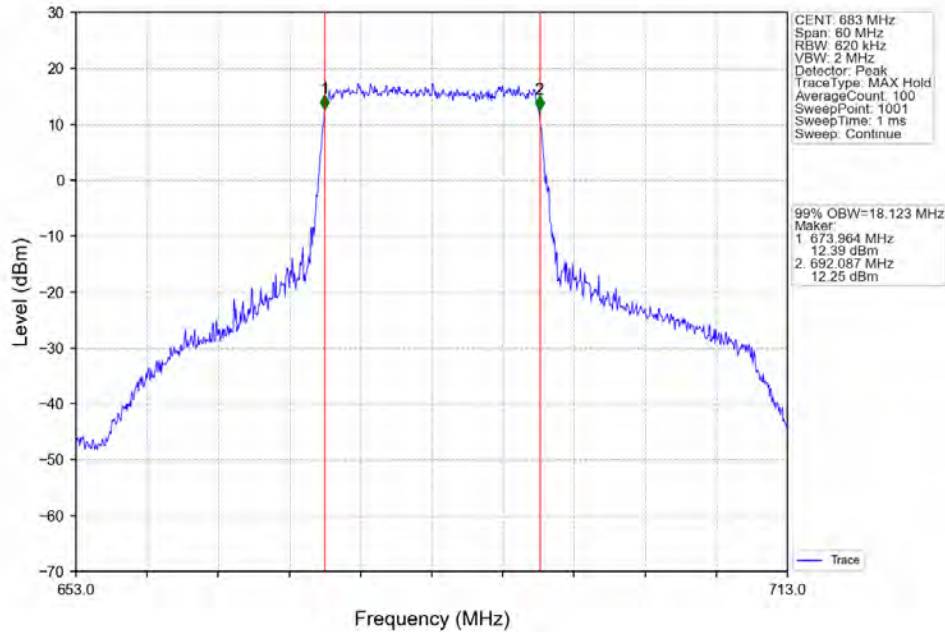
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Rev.: 01

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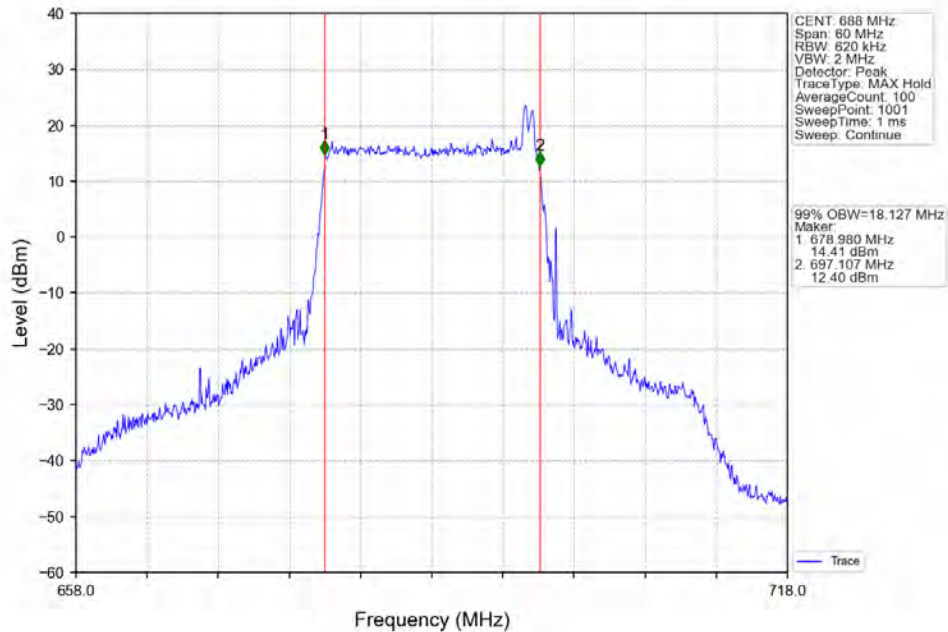
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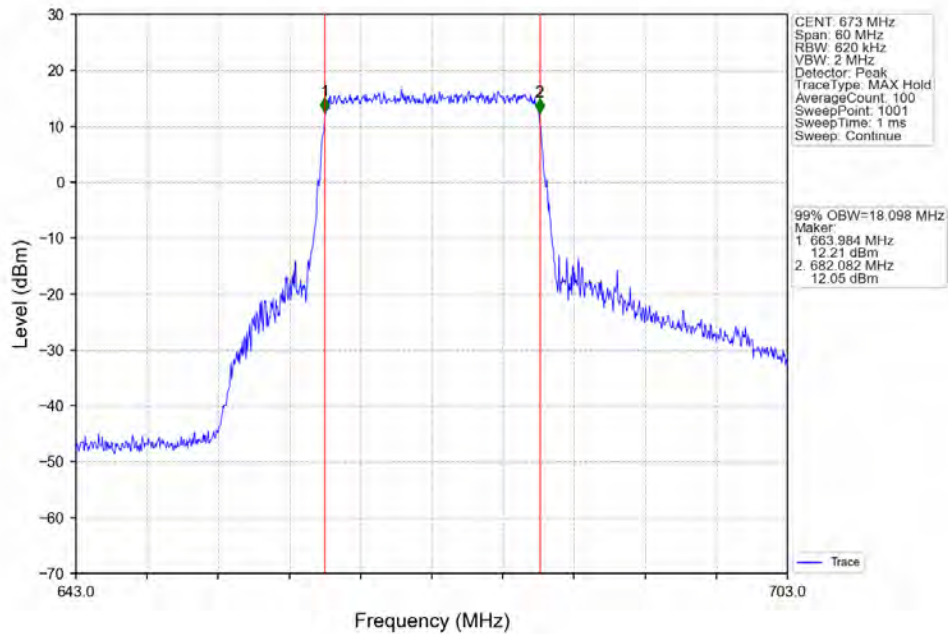
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Band71 20MHz 64QAM LCH 673MHz RB 100 0 NTN



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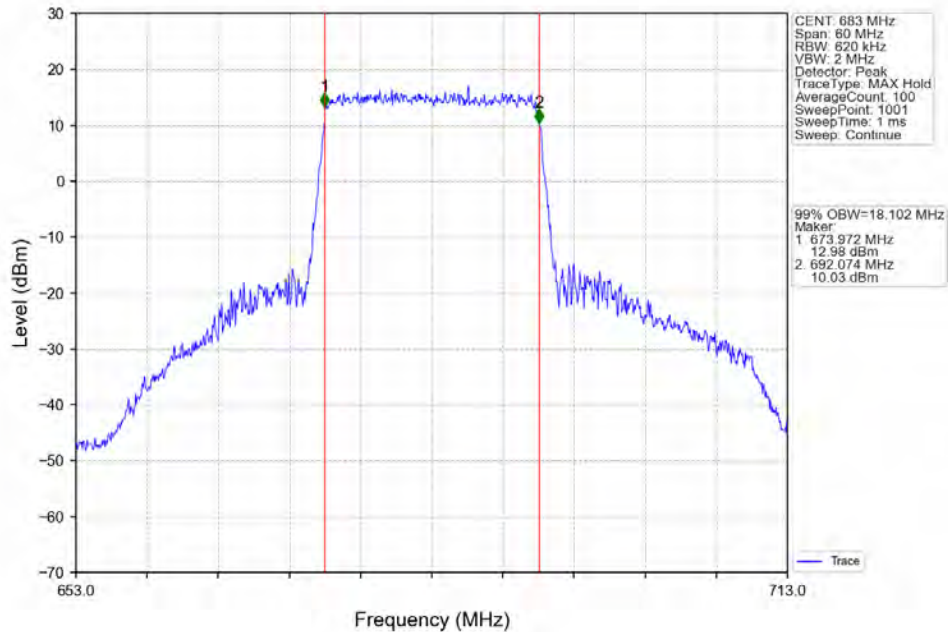
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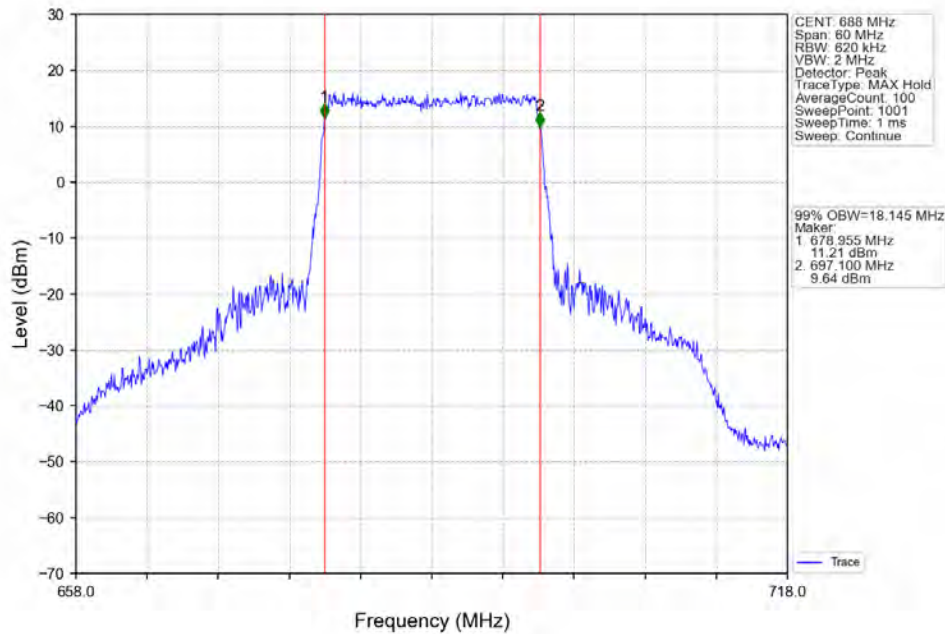
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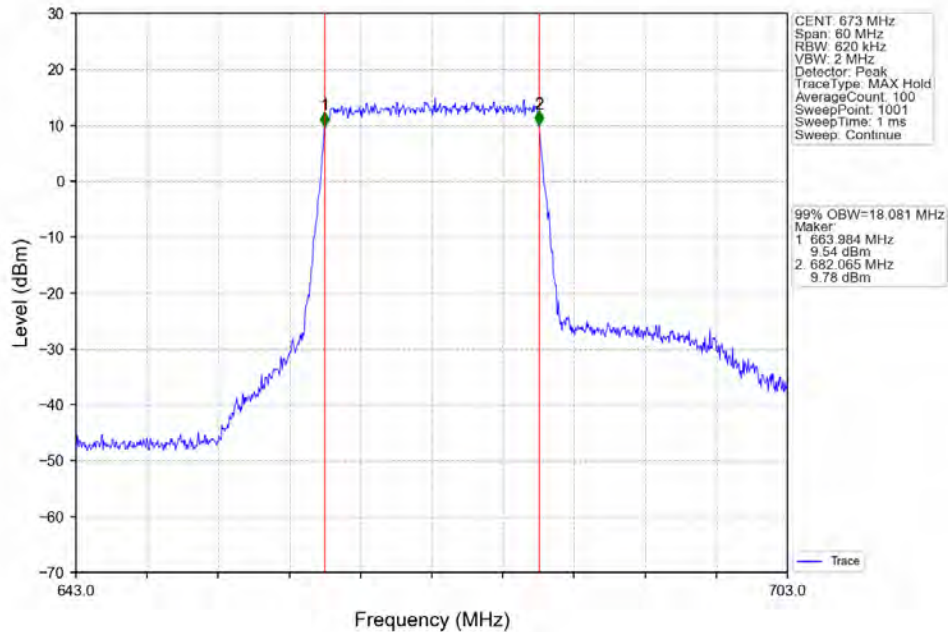
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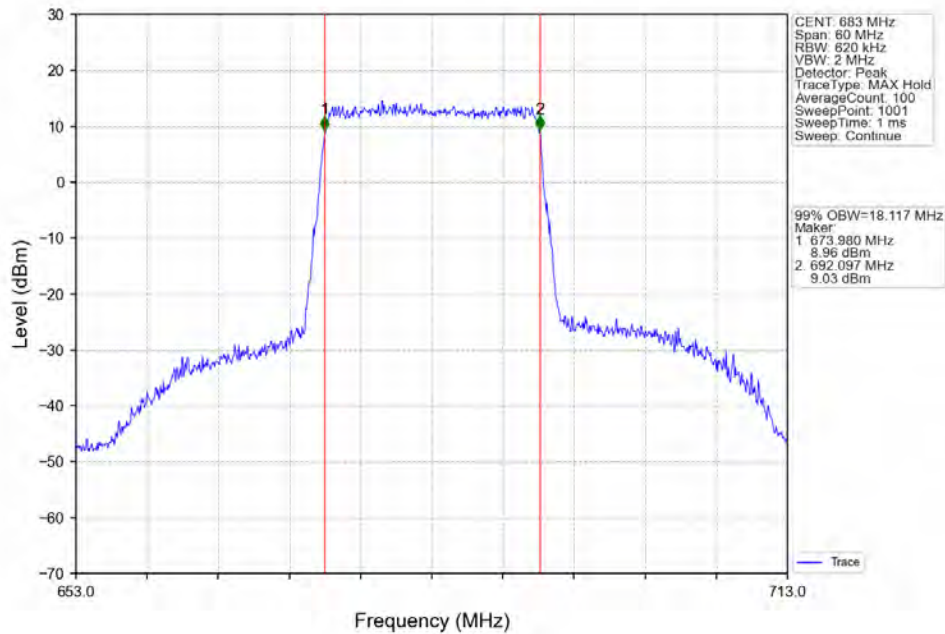
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Report No.: SUCR240400008901

Rev.: 01

Page: 63 of 198

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Band71_20MHz_256QAM_HCH_688MHz_RB_100_0_NTNV



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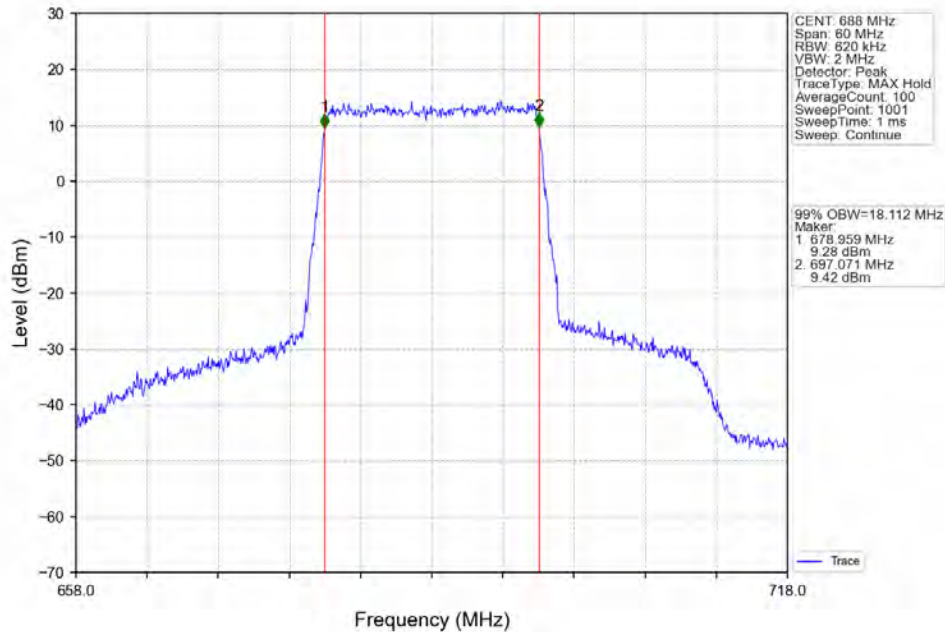
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Page: 64 of 198



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4.2 Band71_XDB

4.2.1 Test Result

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.256	/	Pass
		680.5	25	0	5.280	/	Pass
		695.5	25	0	5.205	/	Pass
	16QAM	665.5	25	0	5.220	/	Pass
		680.5	25	0	5.220	/	Pass
		695.5	25	0	5.218	/	Pass
	64QAM	665.5	25	0	5.162	/	Pass
		680.5	25	0	5.237	/	Pass
		695.5	25	0	5.262	/	Pass
	256QAM	665.5	25	0	5.251	/	Pass
		680.5	25	0	5.209	/	Pass
		695.5	25	0	5.247	/	Pass
10	QPSK	668	50	0	10.172	/	Pass
		680.5	50	0	10.097	/	Pass
		693	50	0	10.159	/	Pass
	16QAM	668	50	0	10.153	/	Pass
		680.5	50	0	10.197	/	Pass
		693	50	0	10.168	/	Pass
	64QAM	668	50	0	10.116	/	Pass
		680.5	50	0	10.095	/	Pass
		693	50	0	10.214	/	Pass
	256QAM	668	50	0	10.064	/	Pass
		680.5	50	0	10.189	/	Pass
		693	50	0	10.176	/	Pass
15	QPSK	670.5	75	0	15.122	/	Pass
		680.5	75	0	14.534	/	Pass
		690.5	75	0	15.199	/	Pass
	16QAM	670.5	75	0	15.018	/	Pass
		680.5	75	0	15.162	/	Pass
		690.5	75	0	15.194	/	Pass
	64QAM	670.5	75	0	15.194	/	Pass
		680.5	75	0	15.160	/	Pass
		690.5	75	0	15.145	/	Pass
	256QAM	670.5	75	0	15.078	/	Pass
		680.5	75	0	15.209	/	Pass
		690.5	75	0	15.237	/	Pass
20	QPSK	673	100	0	20.018	/	Pass
		683	100	0	19.367	/	Pass
		688	100	0	20.119	/	Pass



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Report No.: SUCR240400008901

Rev.: 01

Page: 66 of 198

	16QAM	673	100	0	20.172	/	Pass
		683	100	0	20.302	/	Pass
		688	100	0	20.269	/	Pass
	64QAM	673	100	0	20.022	/	Pass
		683	100	0	20.089	/	Pass
		688	100	0	20.233	/	Pass
	256QAM	673	100	0	20.012	/	Pass
		683	100	0	20.093	/	Pass
		688	100	0	20.216	/	Pass



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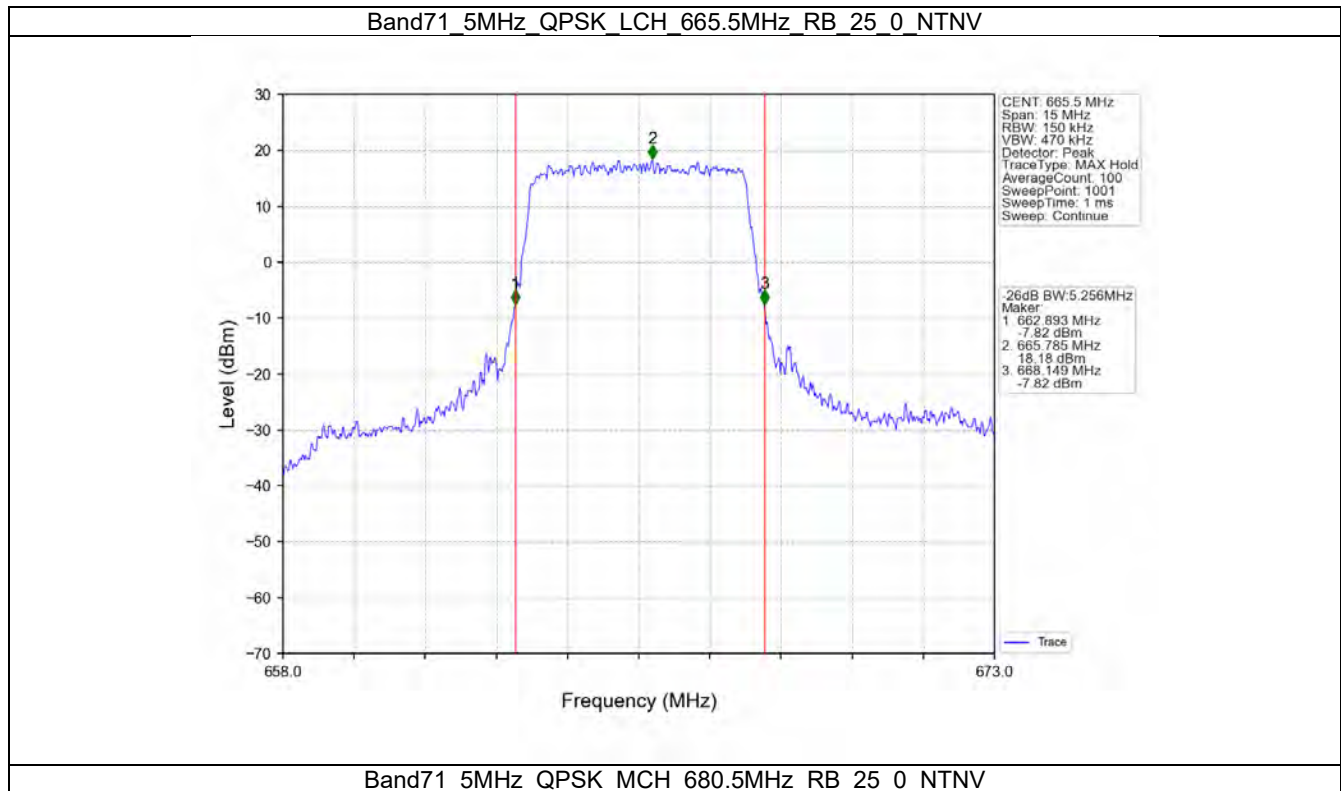
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Rev.: 01

Page: 67 of 198

4.2.2 Test Graph



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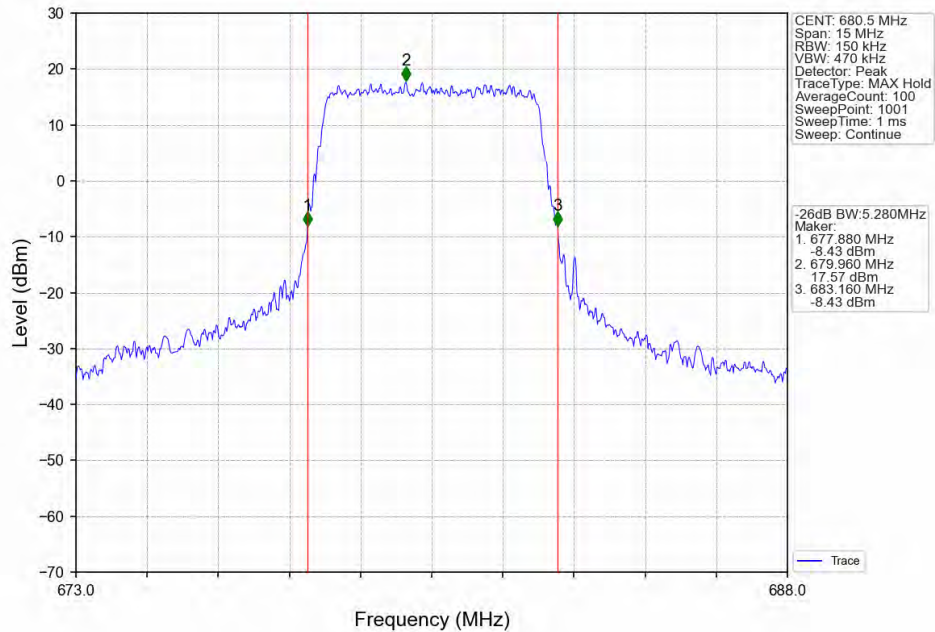
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Rev.: 01

Page: 68 of 198



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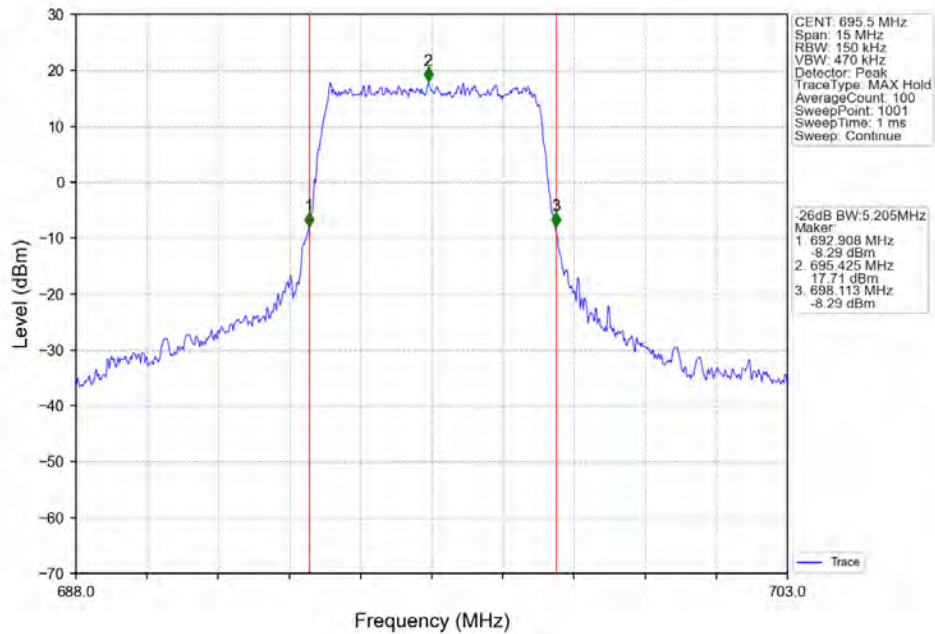
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Report No.: SUCR240400008901

Rev.: 01

Page: 69 of 198

Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



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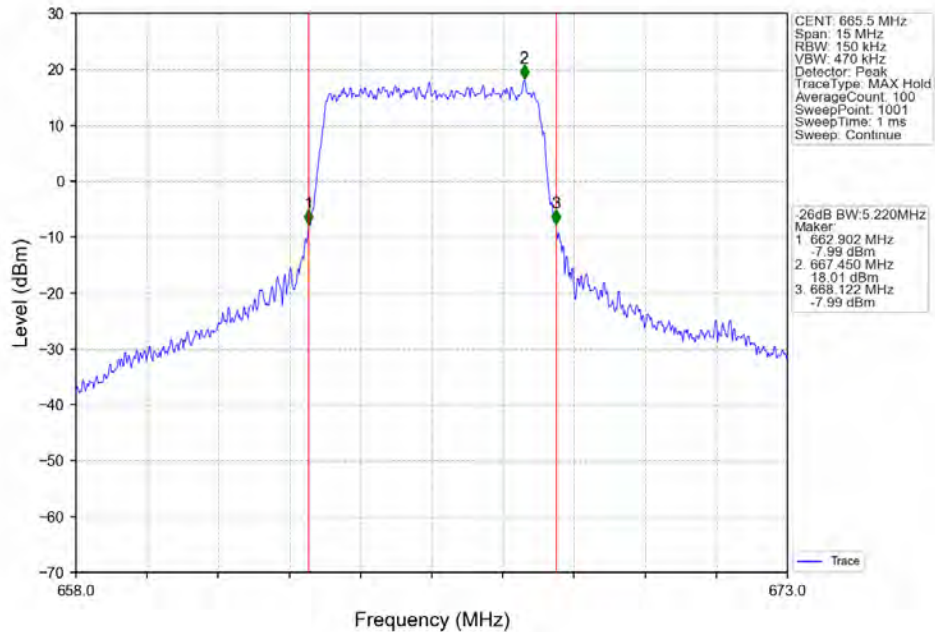
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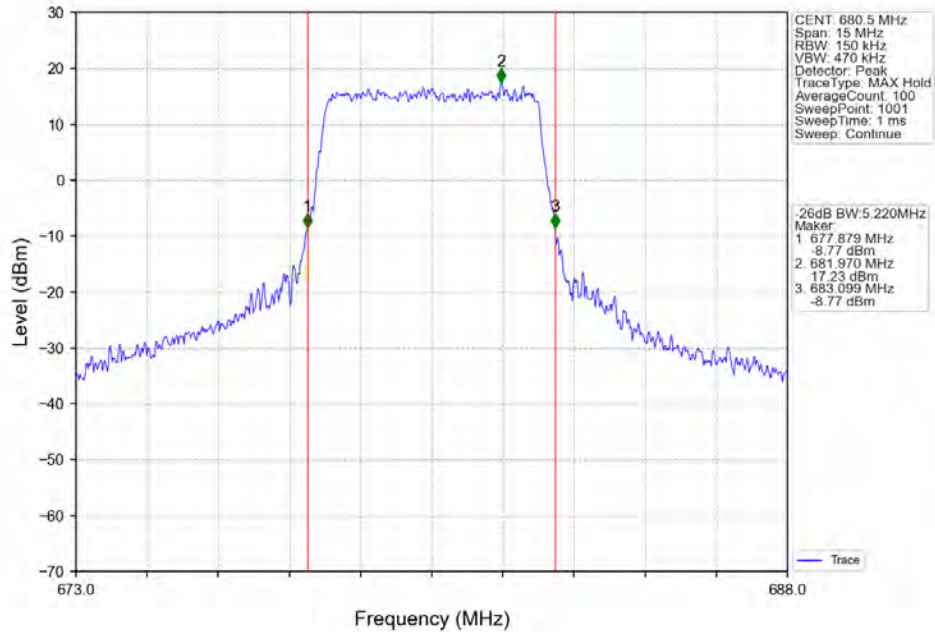
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Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTN



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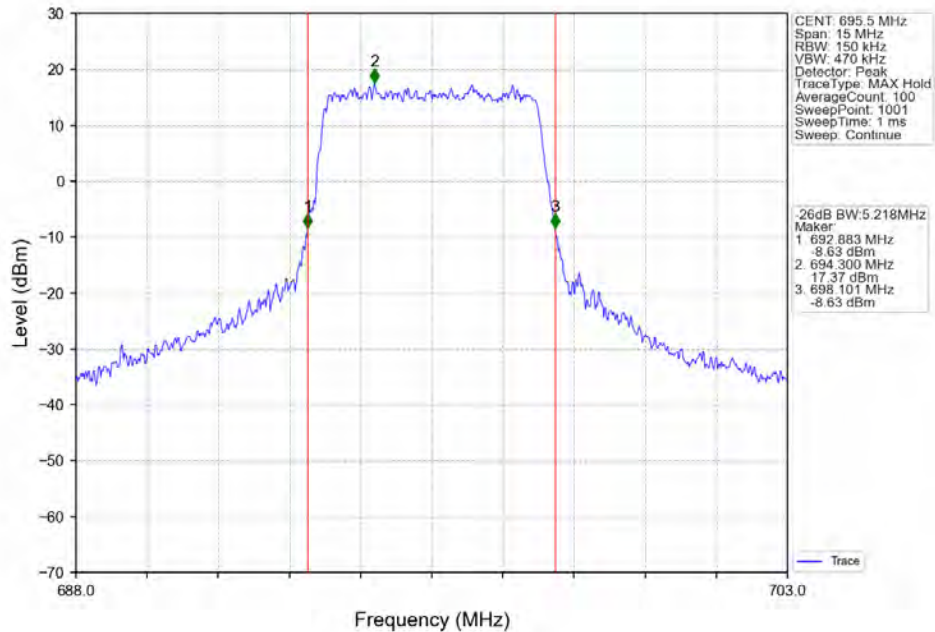
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Rev.: 01

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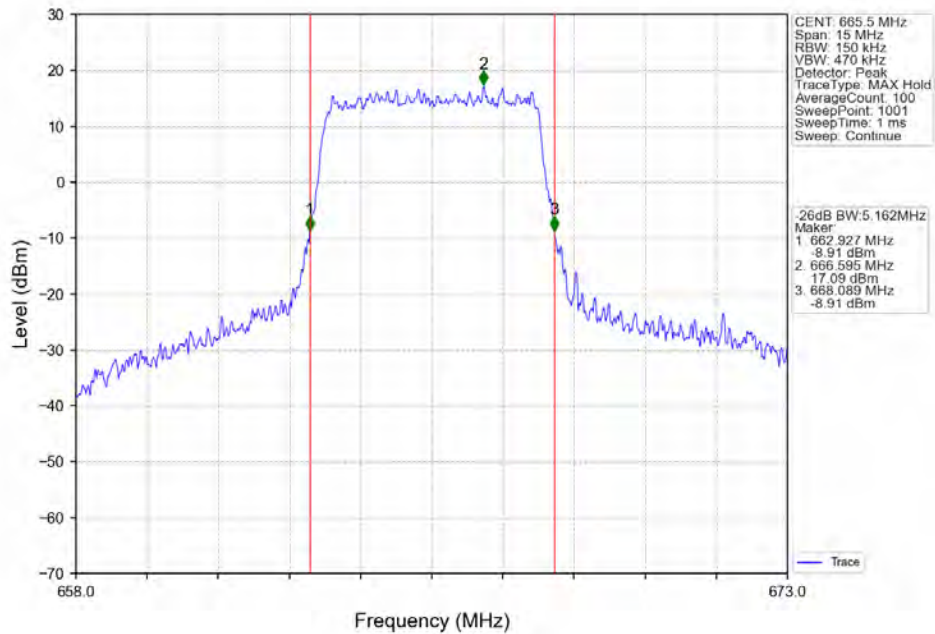
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Report No.: SUCR240400008901

Rev.: 01

Page: 73 of 198

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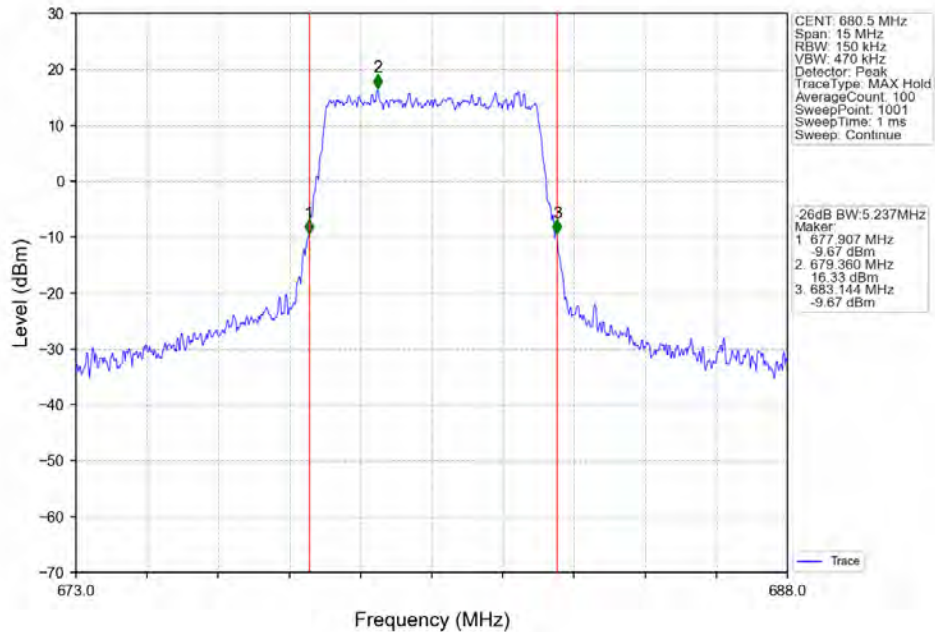
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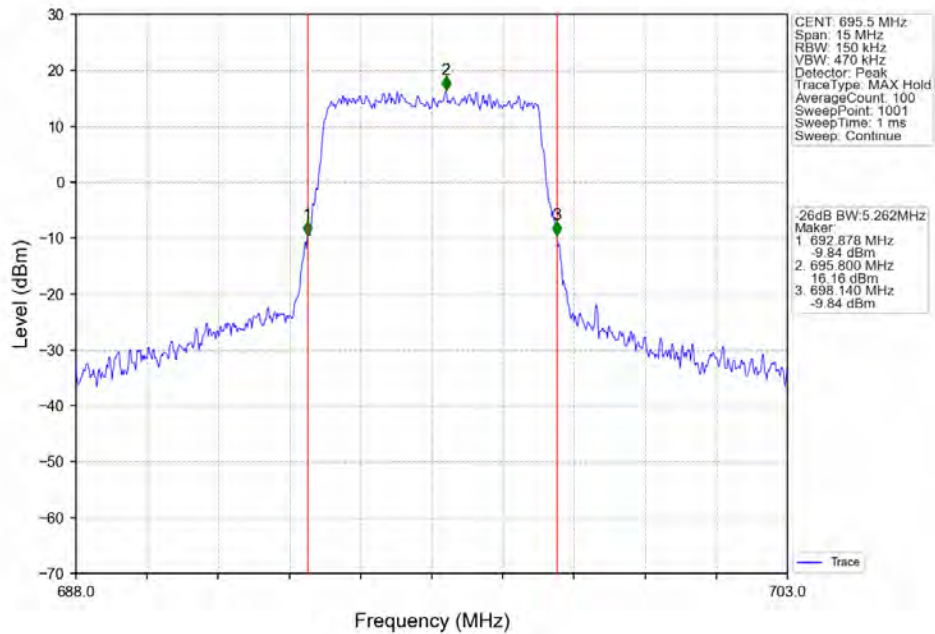
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Report No.: SUCR240400008901

Rev.: 01

Page: 75 of 198

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Band71_5MHz_256QAM_LCH_665.5MHz_RB_25_0_NTNV



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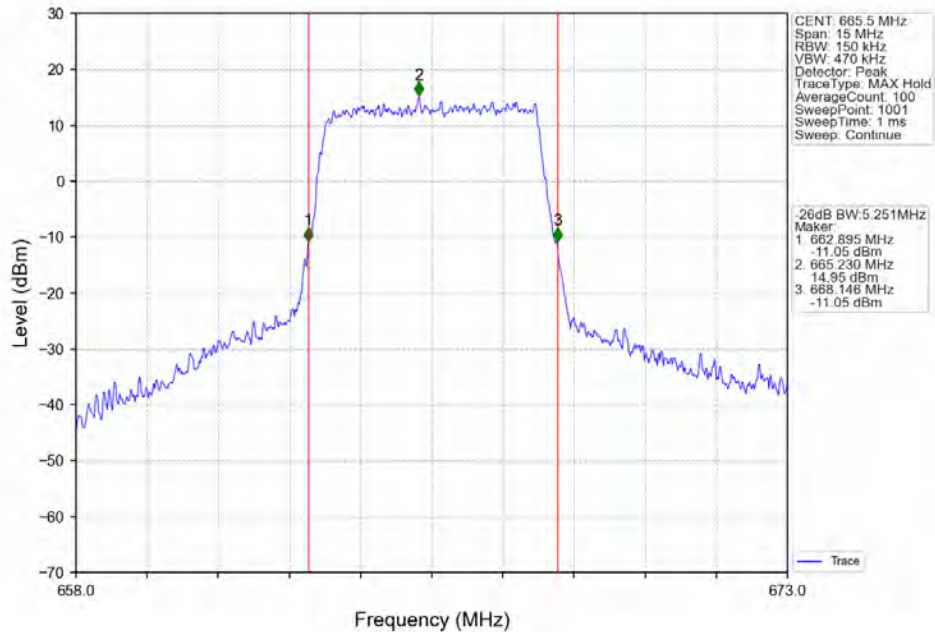
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Report No.: SUCR240400008901

Rev.: 01

Page: 76 of 198



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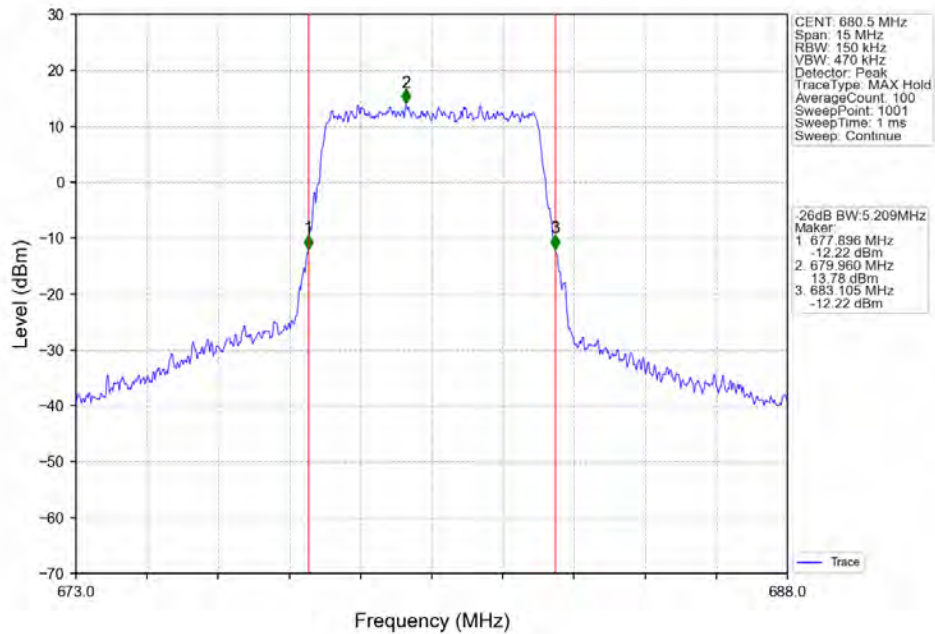
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Report No.: SUCR240400008901

Rev.: 01

Page: 77 of 198

Band71_5MHz_256QAM_MCH_680.5MHz_RB_25_0_NTNV



Band71_5MHz_256QAM_HCH_695.5MHz_RB_25_0_NTNV



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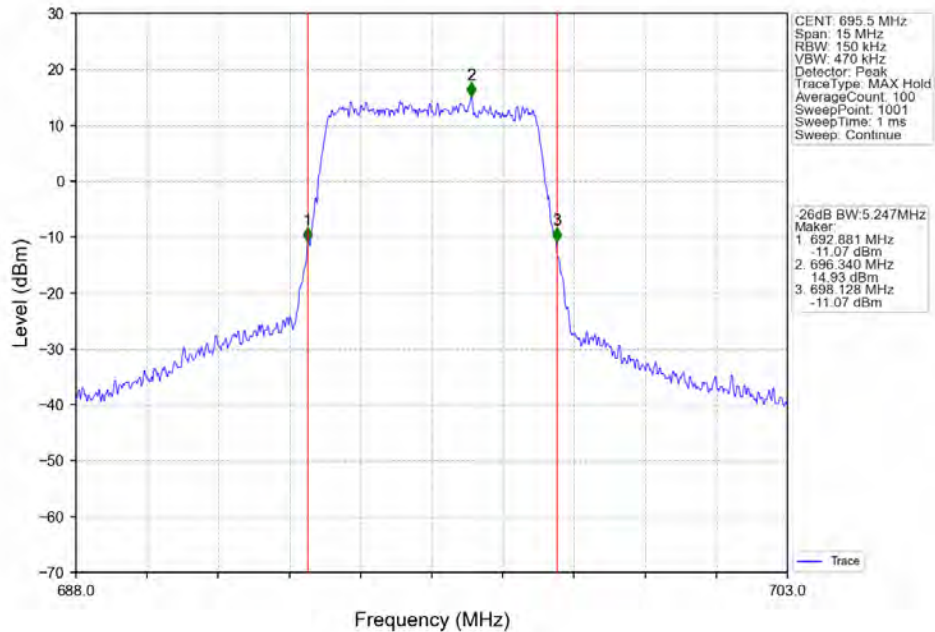
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Report No.: SUCR240400008901

Rev.: 01

Page: 78 of 198



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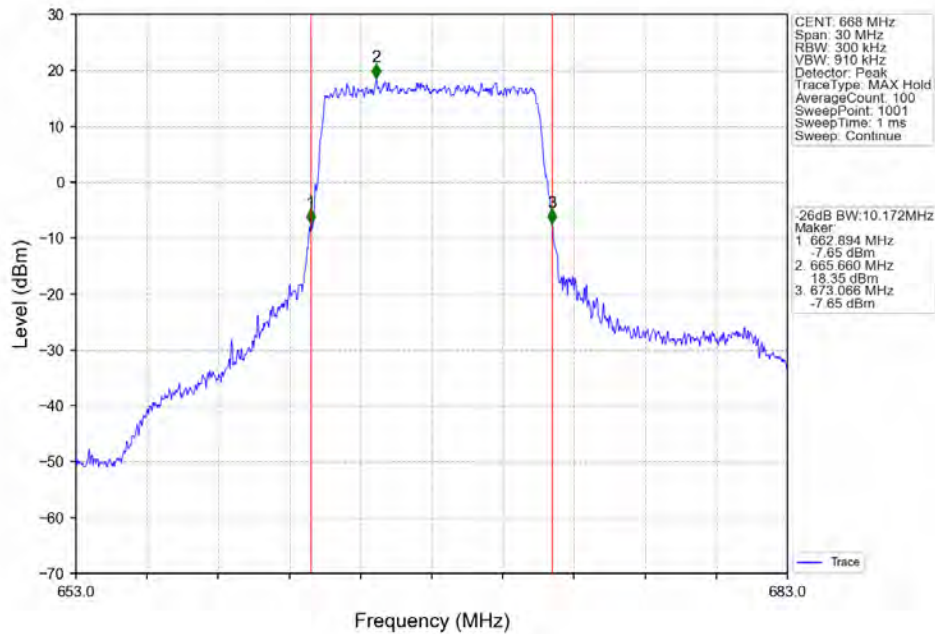
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Report No.: SUCR240400008901

Rev.: 01

Page: 79 of 198

Band71 10MHz QPSK LCH 668MHz RB 50 0 NTN



Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTN



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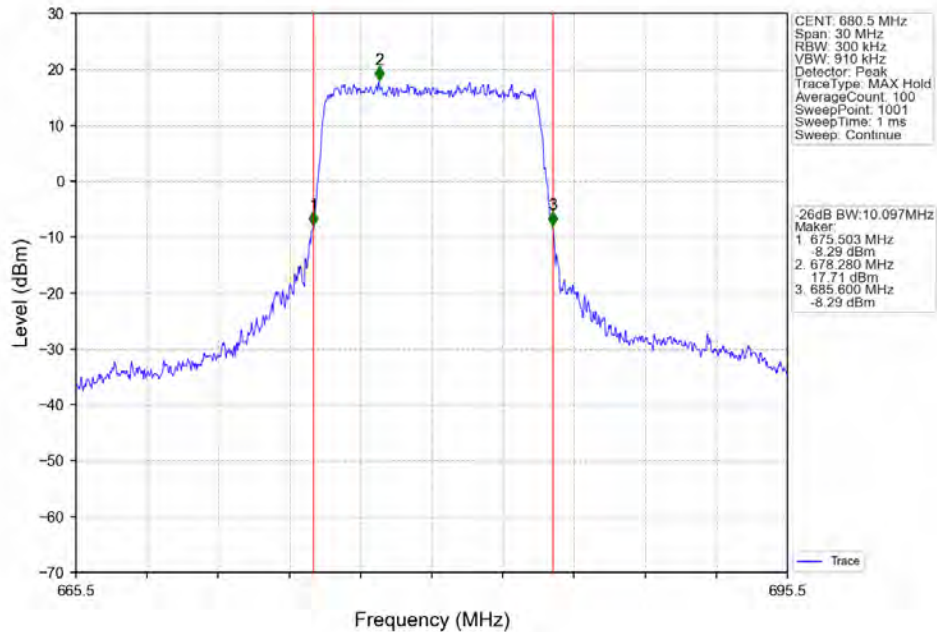
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Page: 80 of 198



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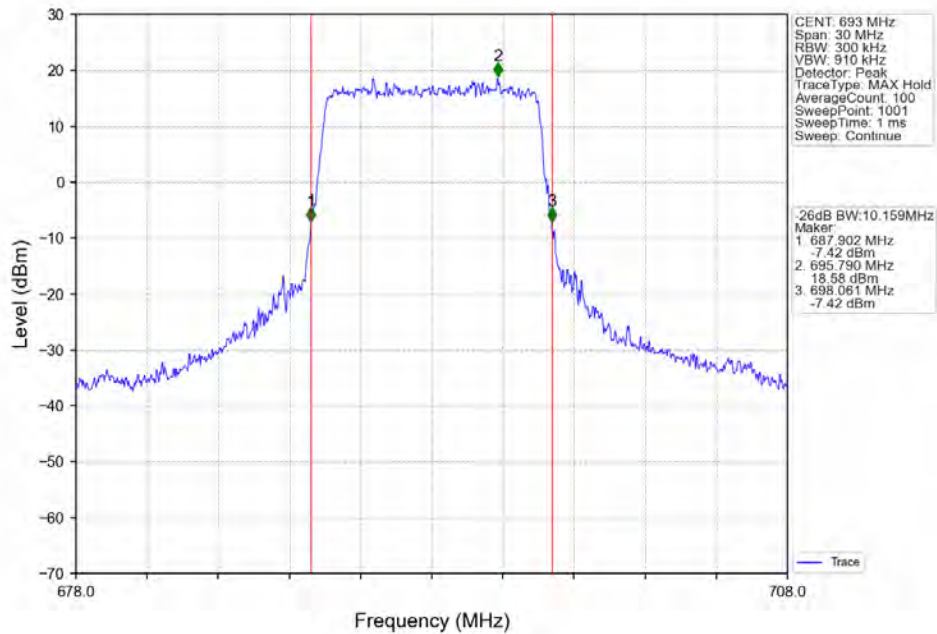
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Report No.: SUCR240400008901

Rev.: 01

Page: 81 of 198

Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



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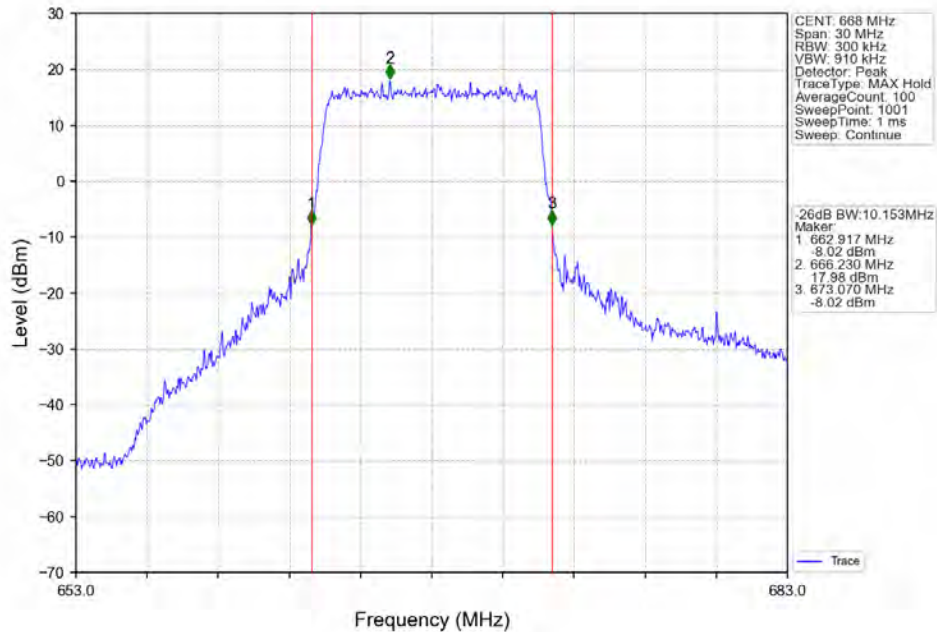
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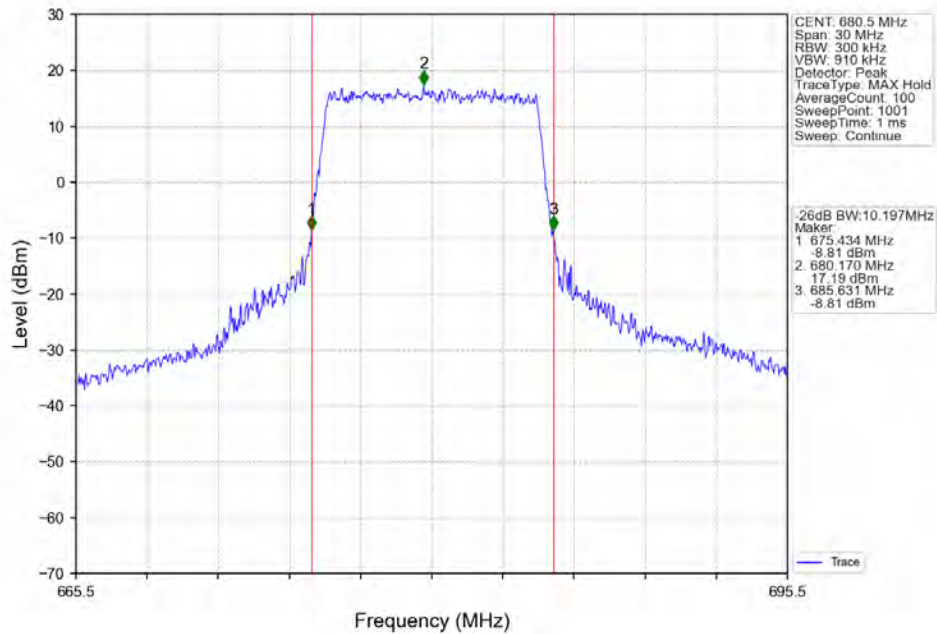
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Rev.: 01

Page: 83 of 198

Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



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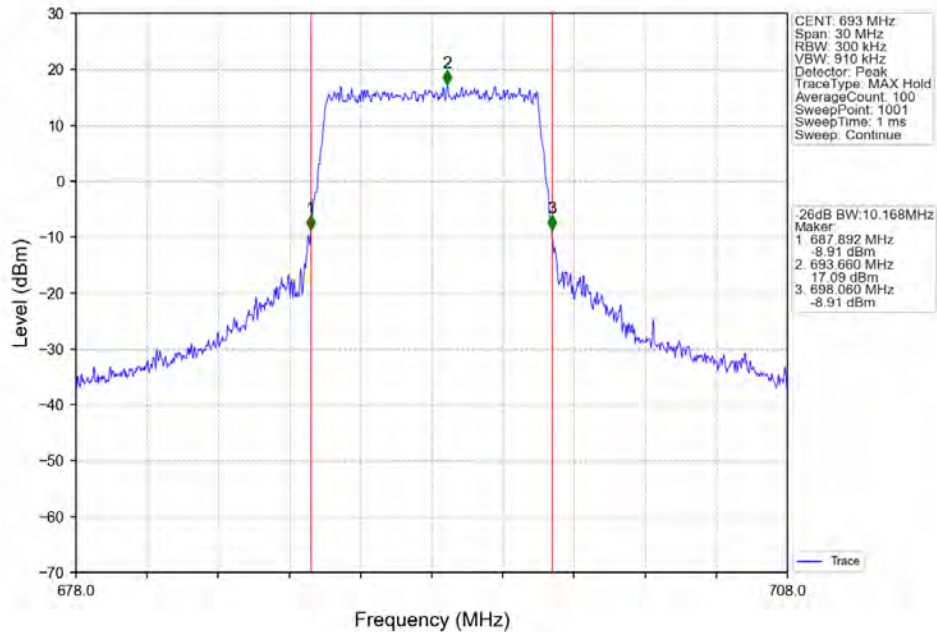
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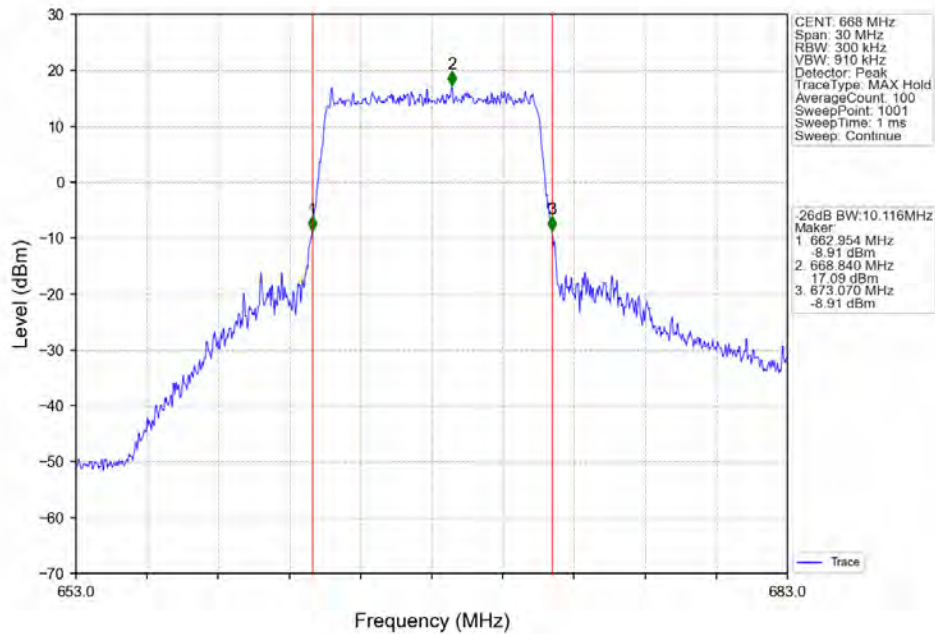
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Report No.: SUCR240400008901

Rev.: 01

Page: 85 of 198

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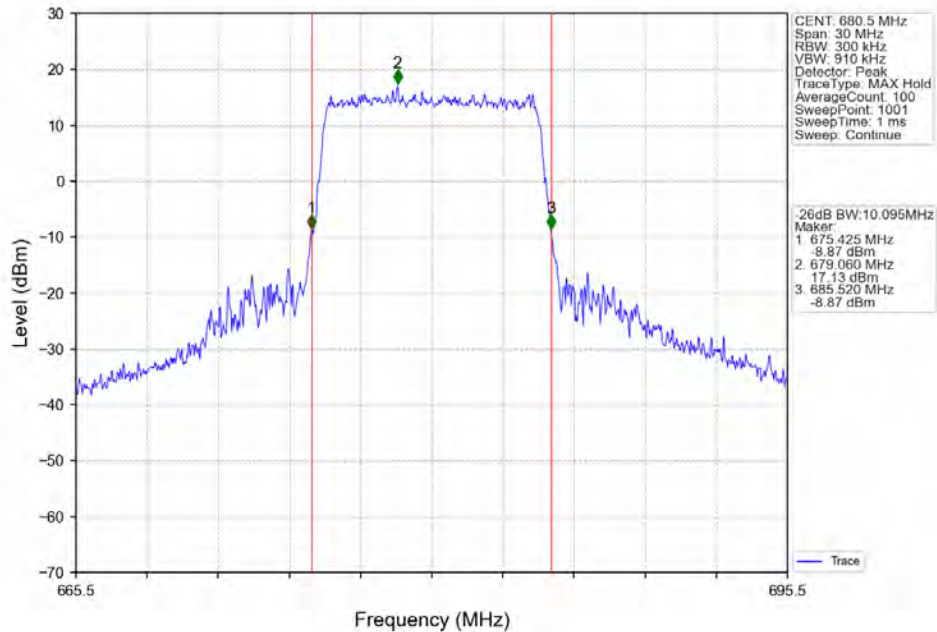
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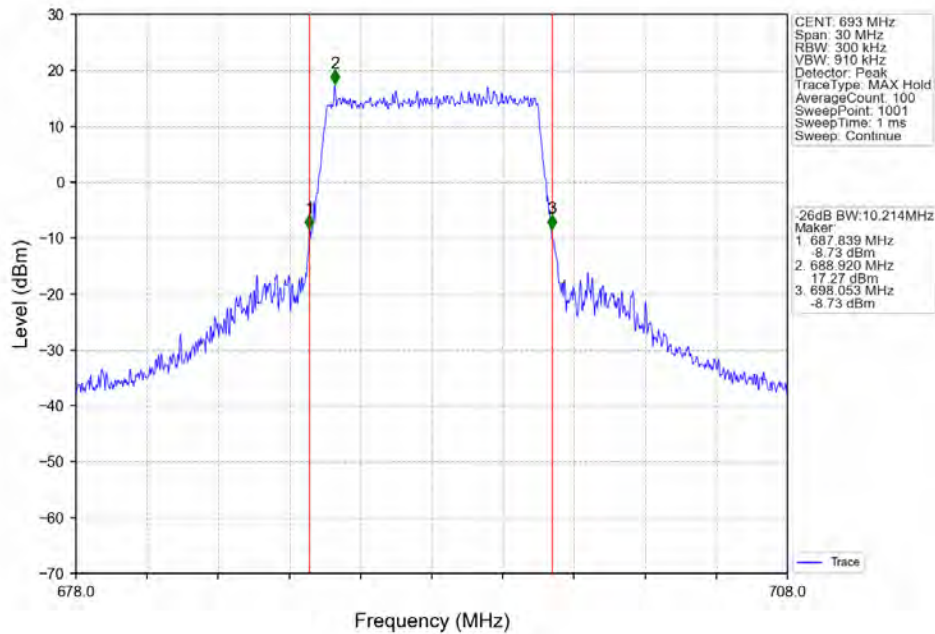
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Report No.: SUCR240400008901

Rev.: 01

Page: 87 of 198

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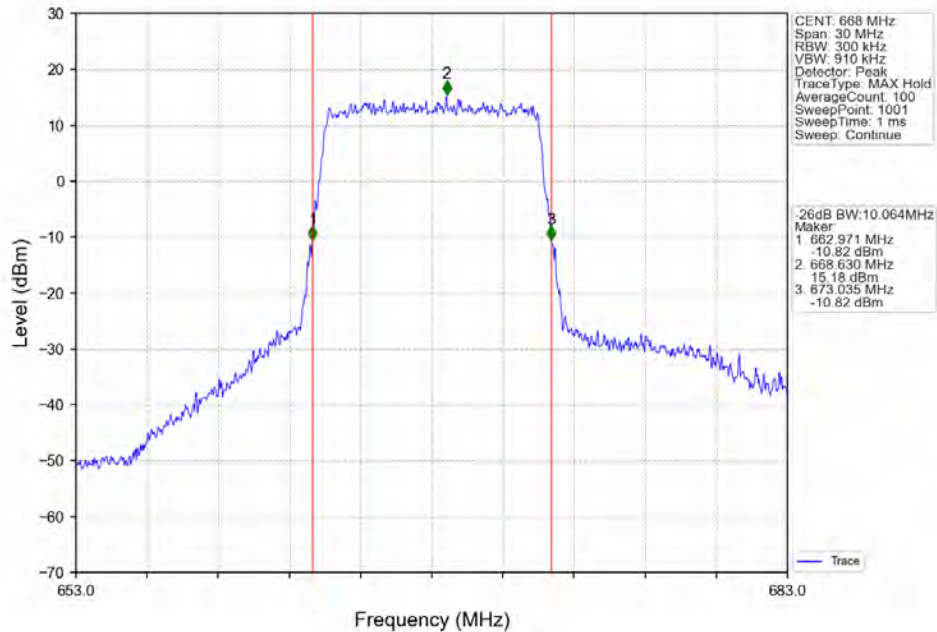
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Rev.: 01

Page: 88 of 198



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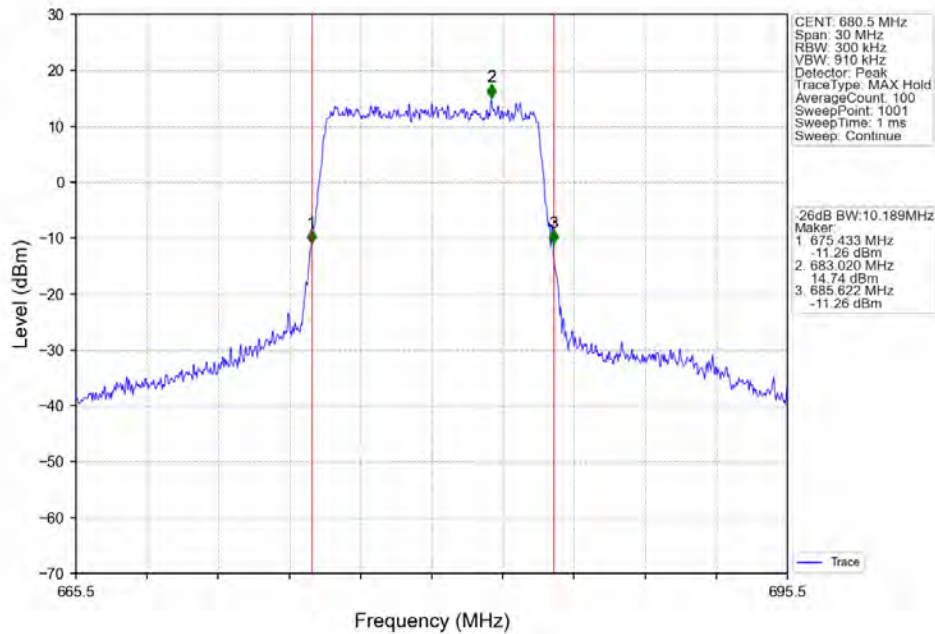
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Report No.: SUCR240400008901

Rev.: 01

Page: 89 of 198

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Band71_10MHz_256QAM_HCH_693MHz_RB_50_0_NTNV



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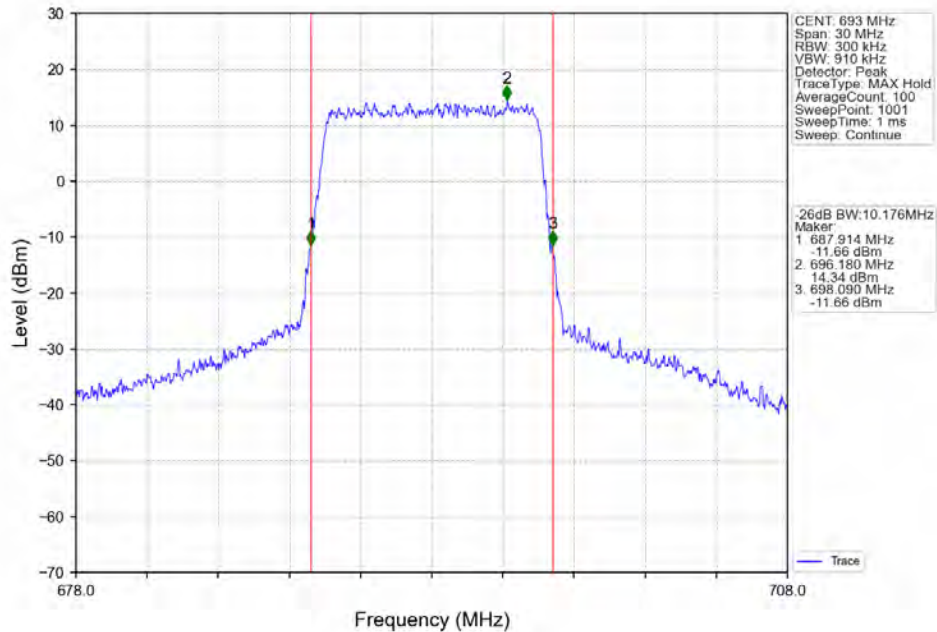
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Report No.: SUCR240400008901

Rev.: 01

Page: 90 of 198



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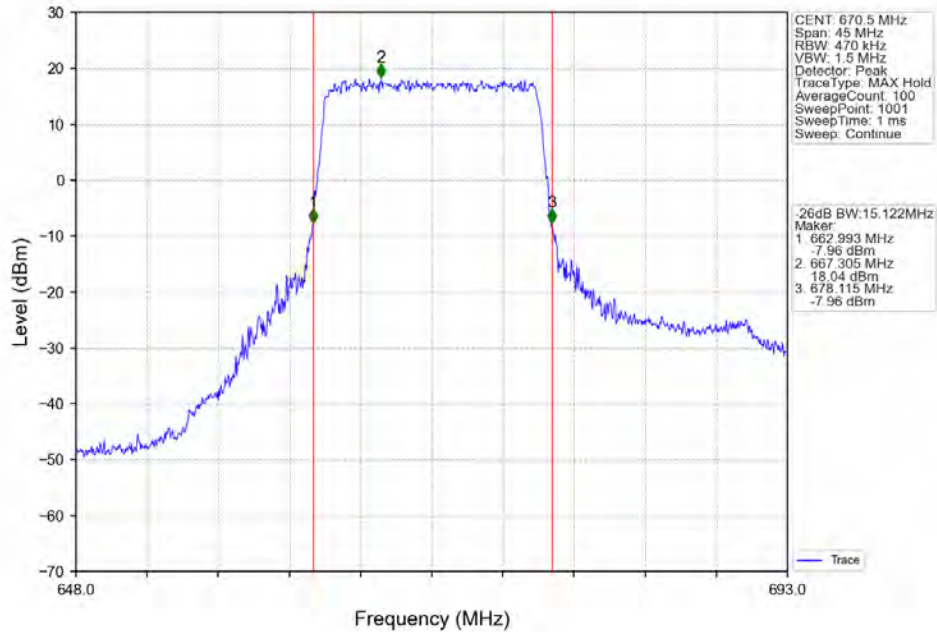
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Report No.: SUCR240400008901

Rev.: 01

Page: 91 of 198

Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



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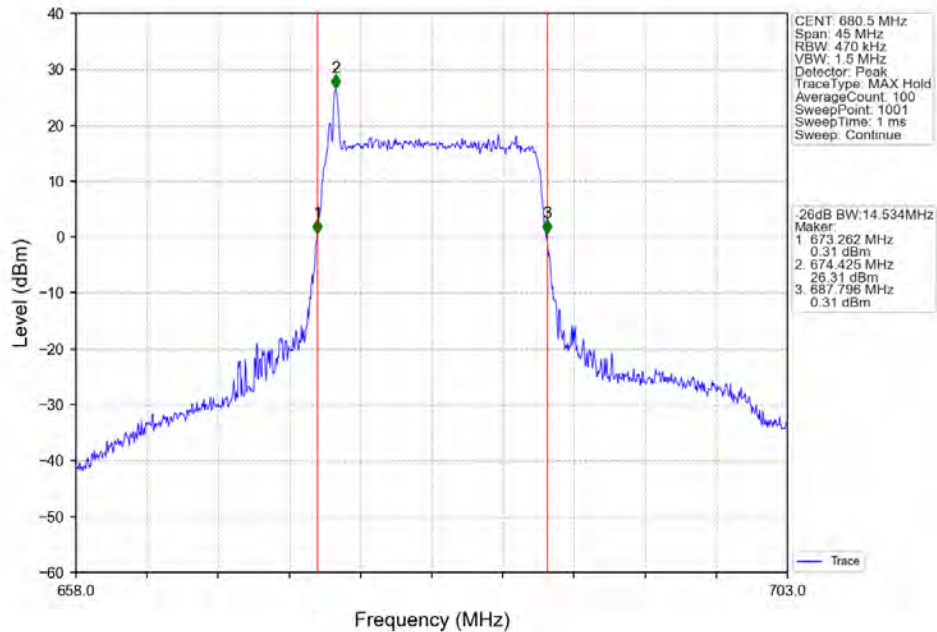
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Report No.: SUCR240400008901

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Page: 92 of 198



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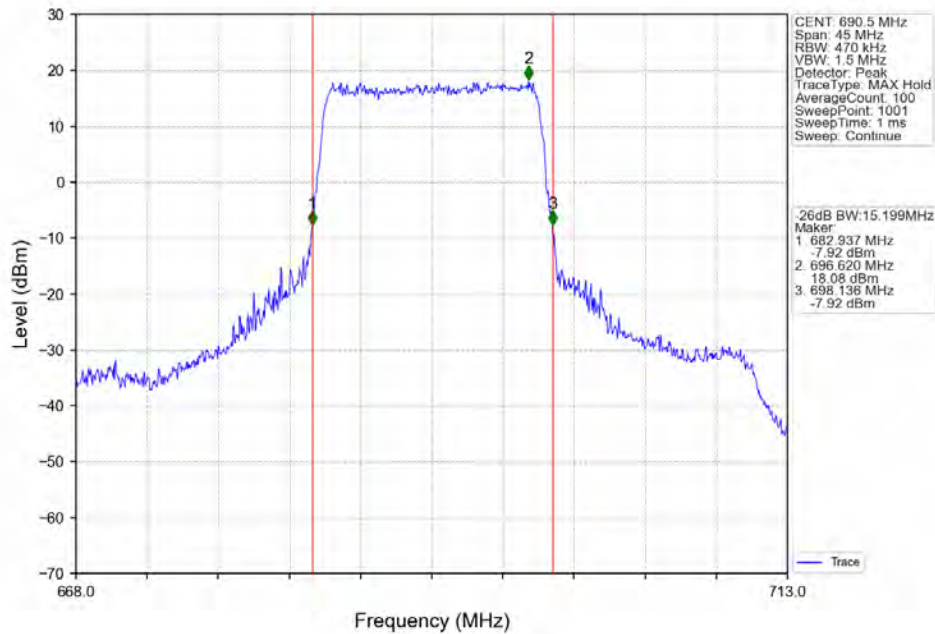
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Report No.: SUCR240400008901

Rev.: 01

Page: 93 of 198

Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



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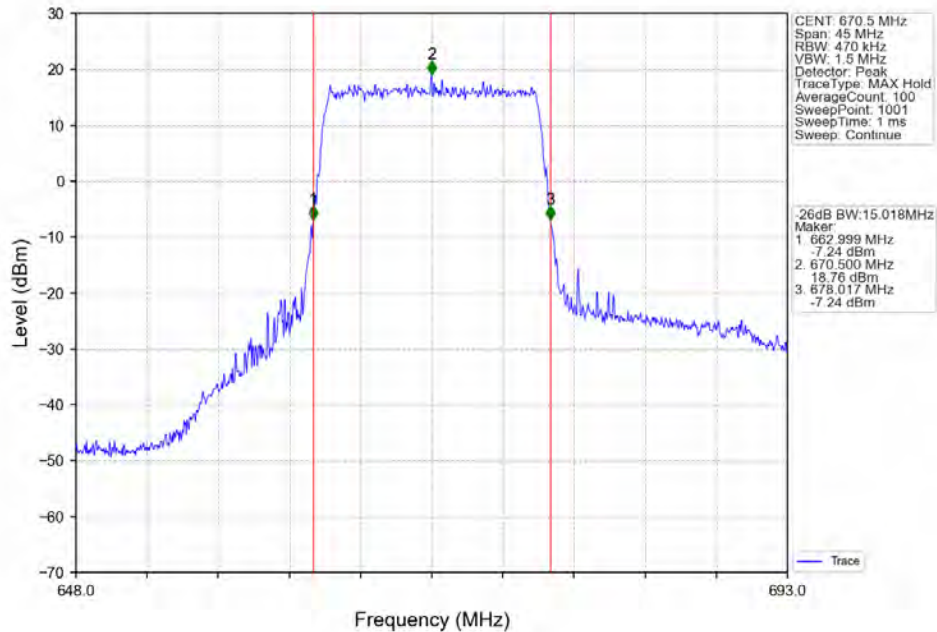
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Page: 94 of 198



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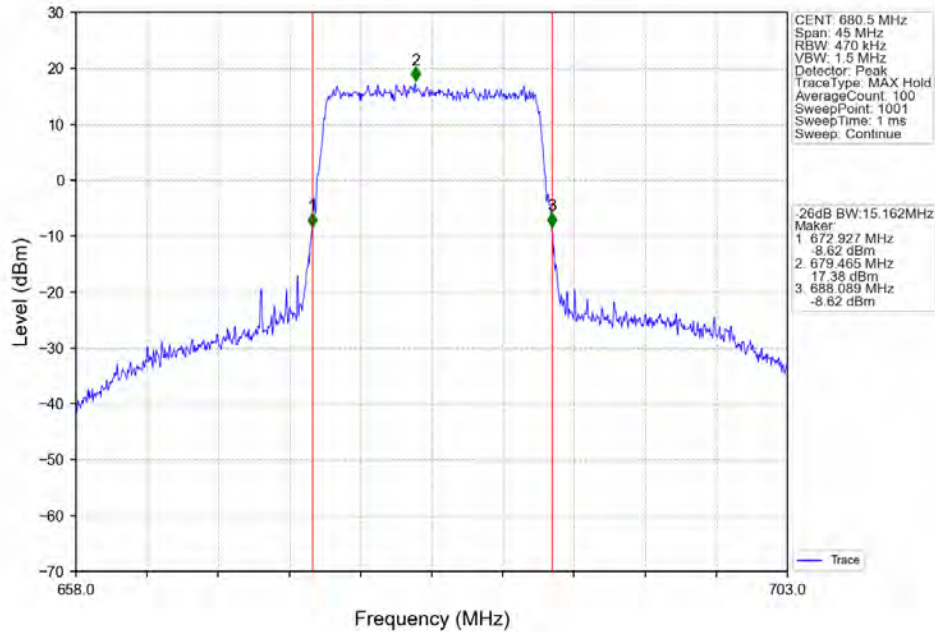
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Report No.: SUCR240400008901

Rev.: 01

Page: 95 of 198

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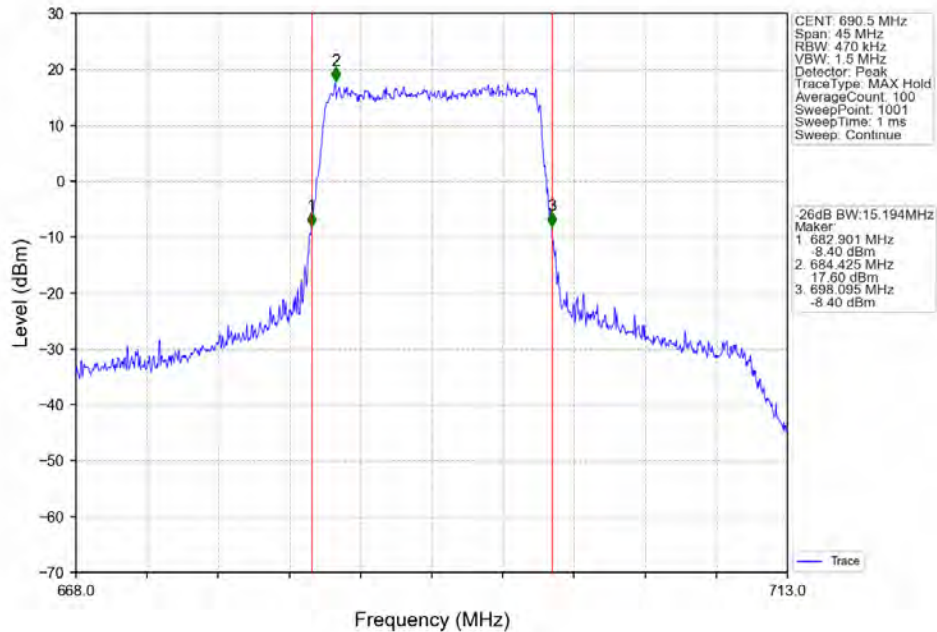
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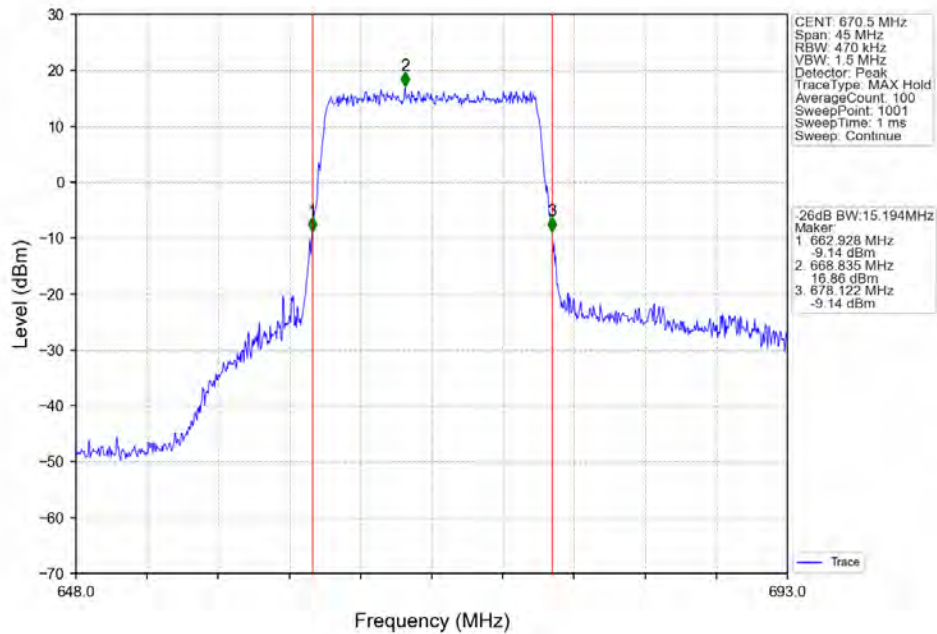
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Rev.: 01

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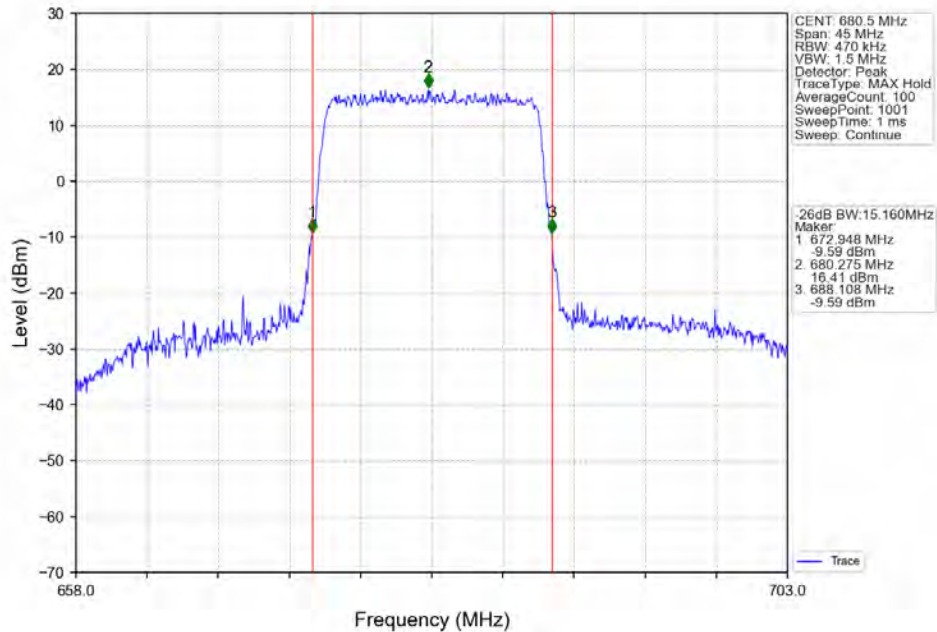
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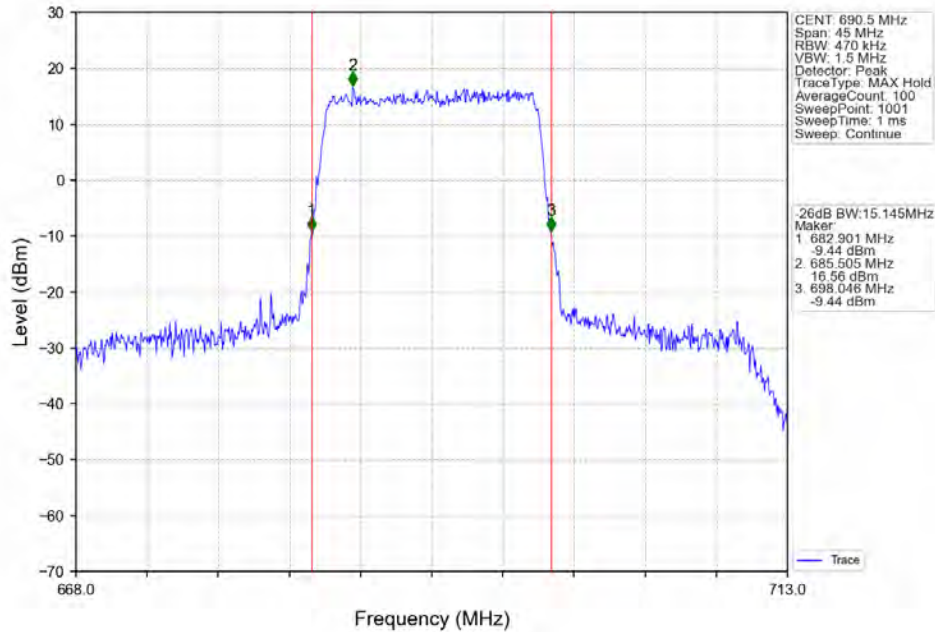
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Report No.: SUCR240400008901

Rev.: 01

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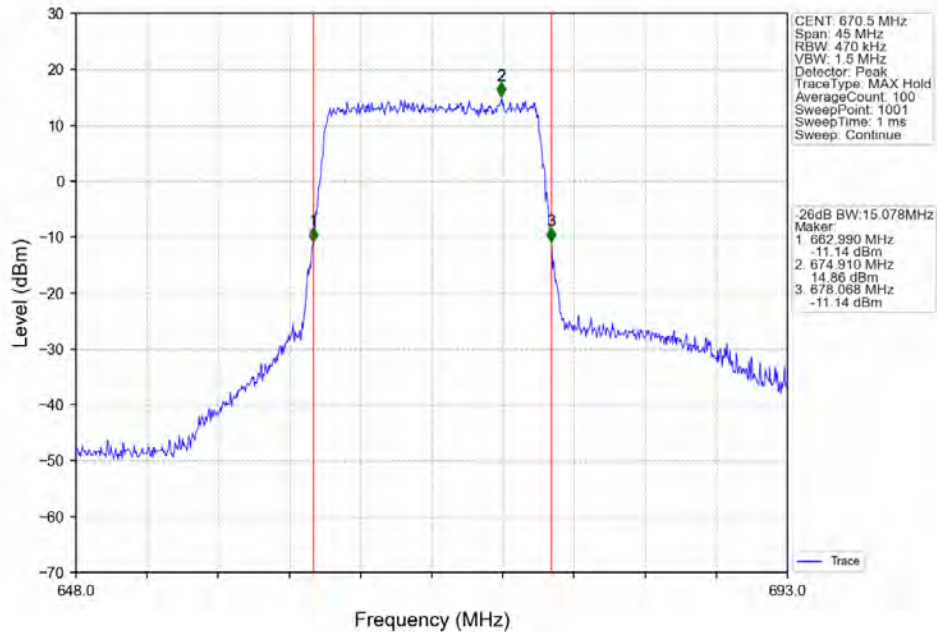
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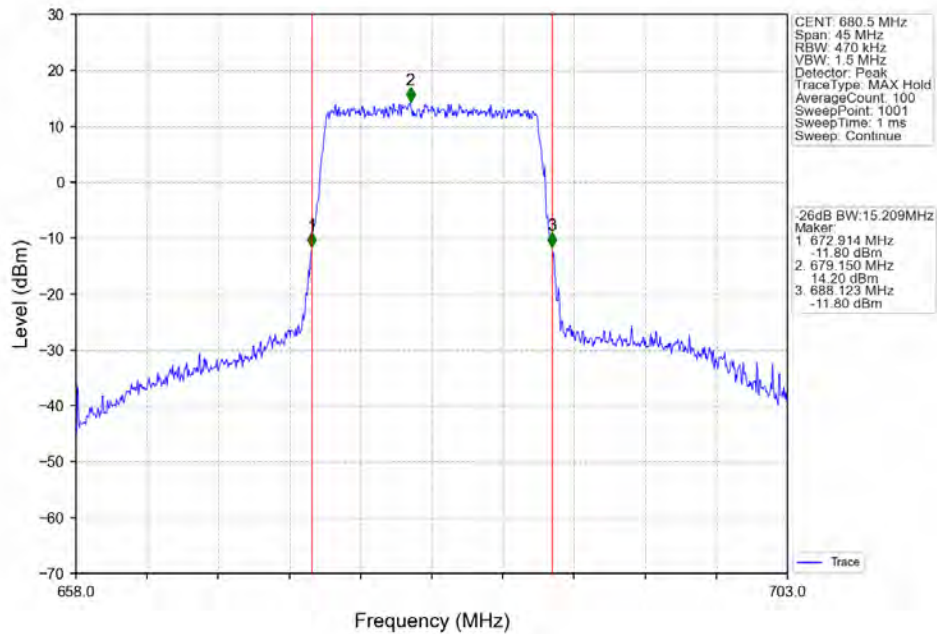
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Report No.: SUCR240400008901

Rev.: 01

Page: 101 of 198

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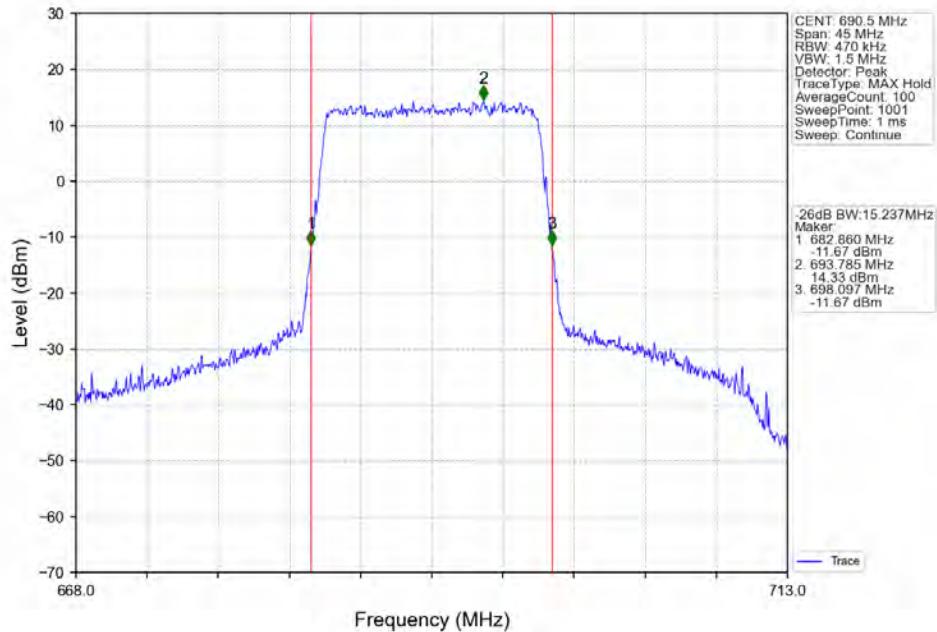
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Report No.: SUCR240400008901

Rev.: 01

Page: 102 of 198



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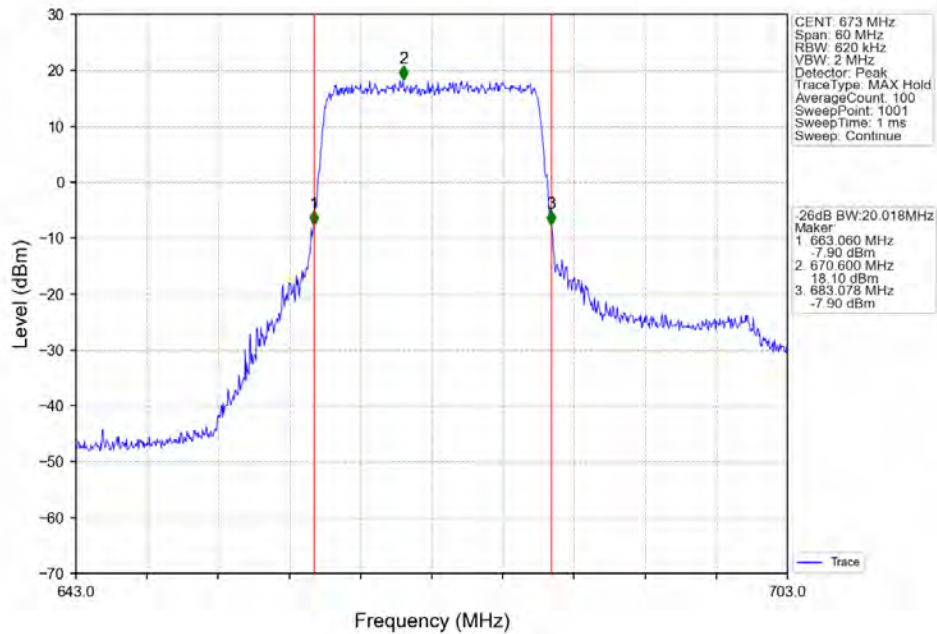
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Report No.: SUCR240400008901

Rev.: 01

Page: 103 of 198

Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



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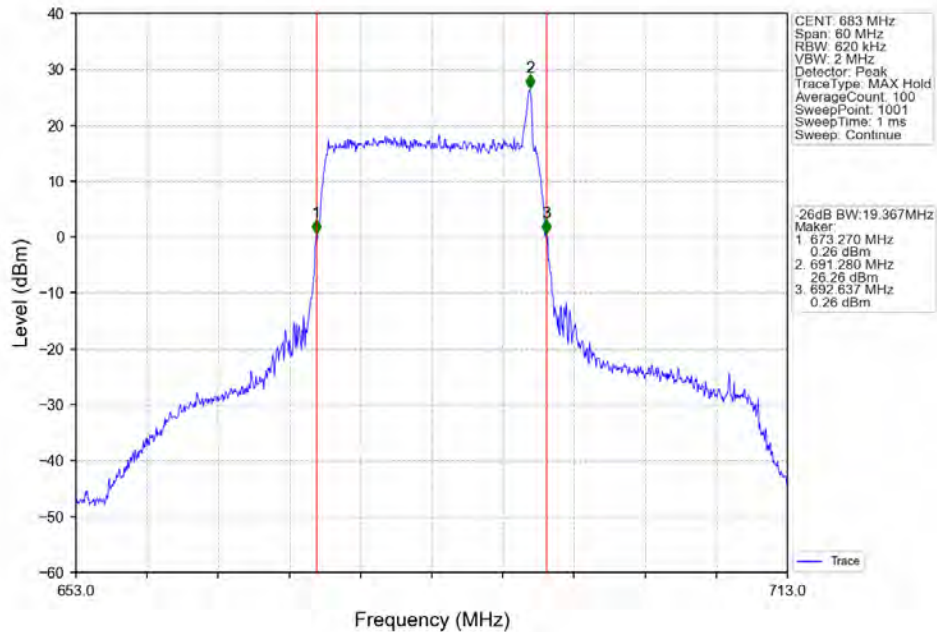
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Report No.: SUCR240400008901

Rev.: 01

Page: 104 of 198



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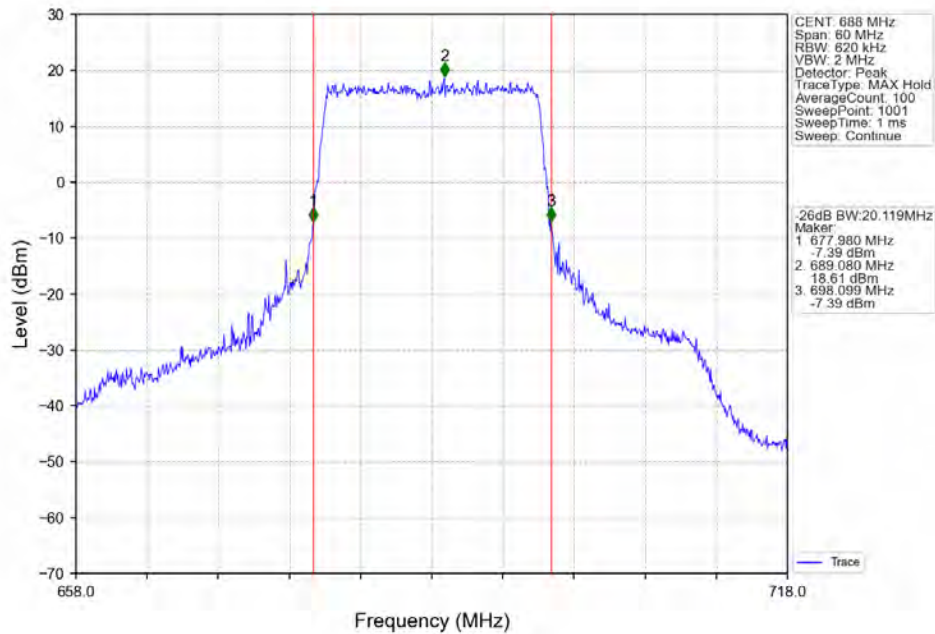
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Report No.: SUCR240400008901

Rev.: 01

Page: 105 of 198

Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



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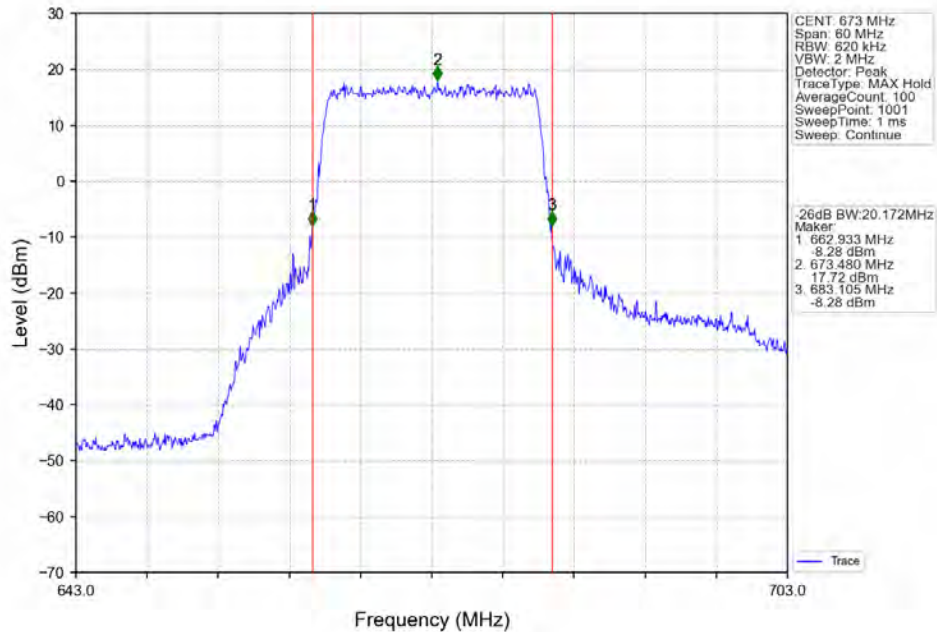
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Page: 106 of 198



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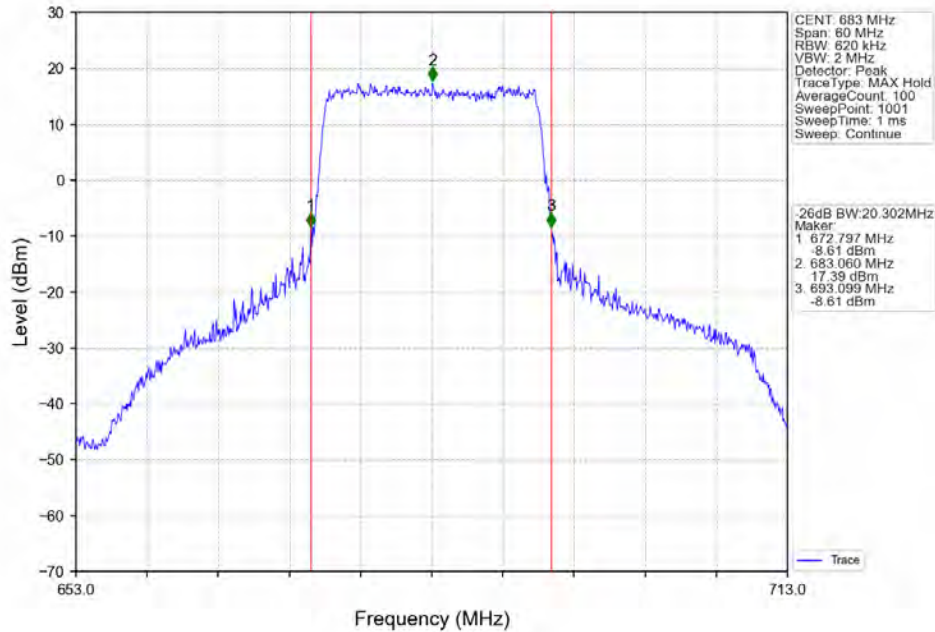
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Report No.: SUCR240400008901

Rev.: 01

Page: 107 of 198

Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



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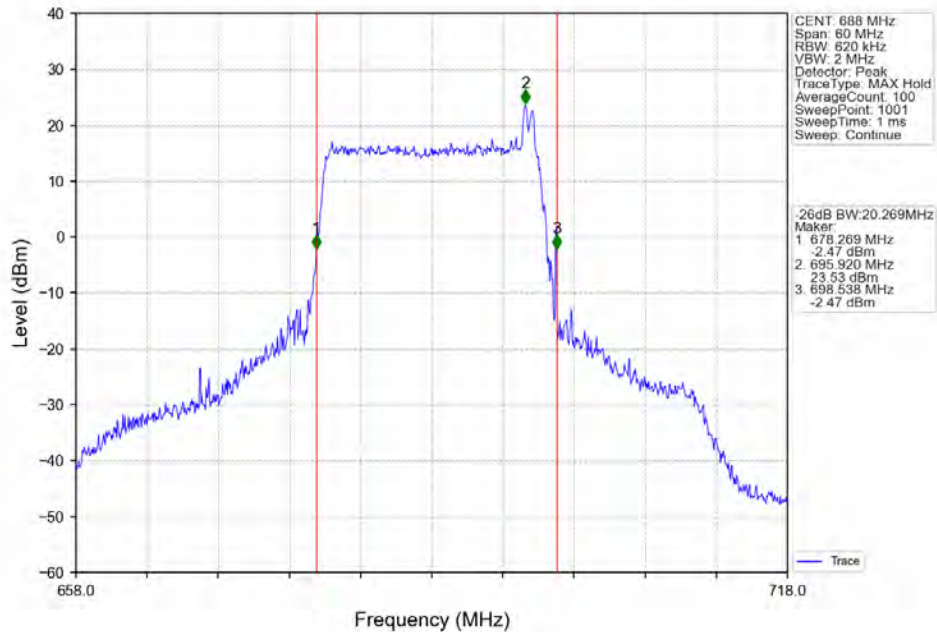
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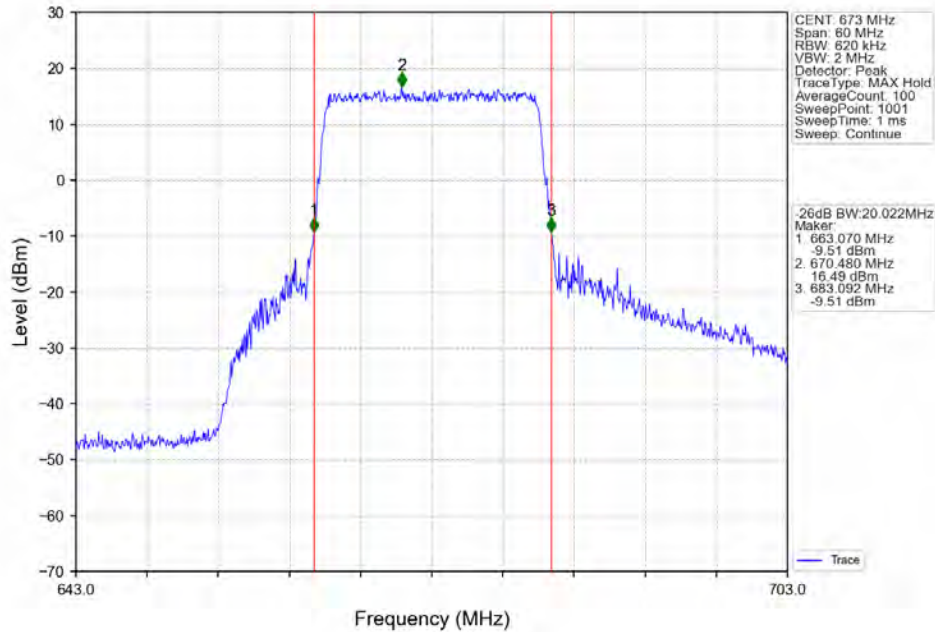
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Band71 20MHz 64QAM LCH 673MHz RB 100 0 NTN



Band71 20MHz 64QAM MCH 683MHz RB 100 0 NTN



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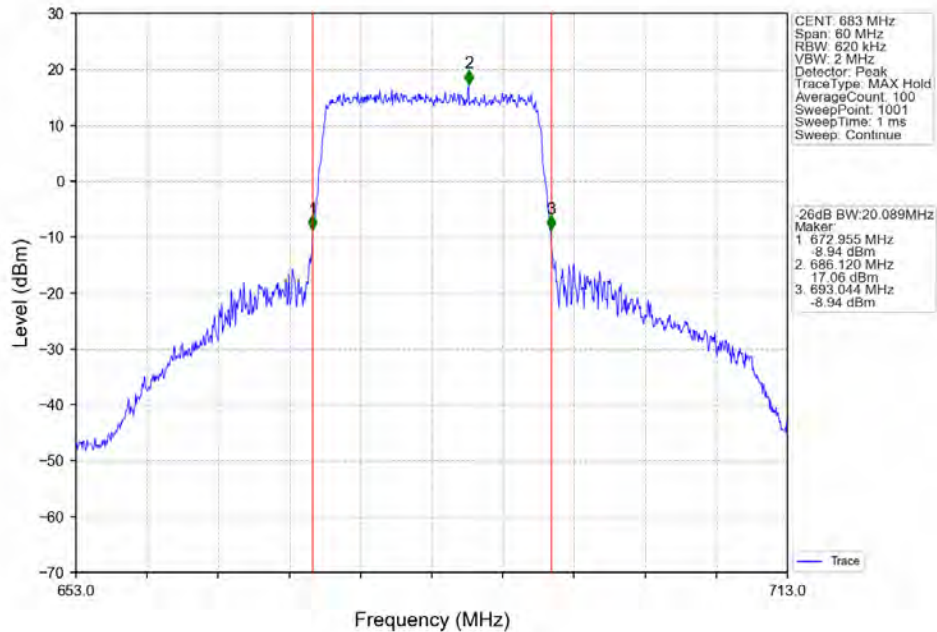
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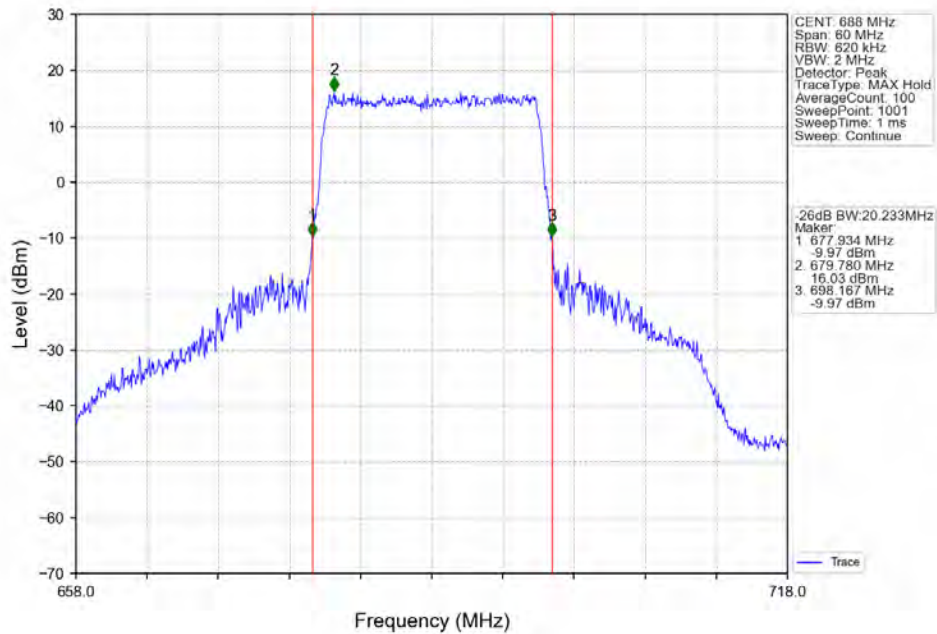
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Rev.: 01

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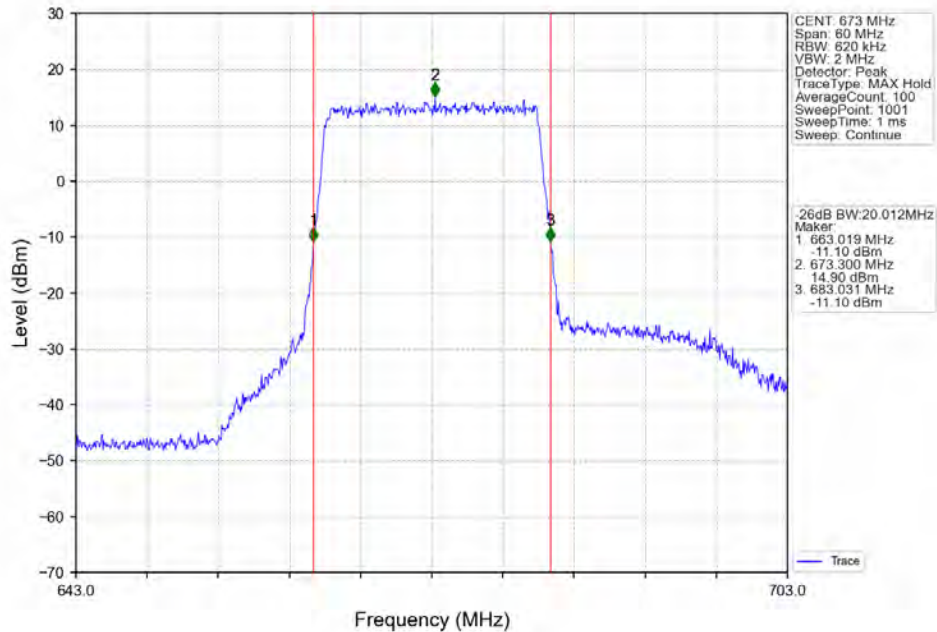
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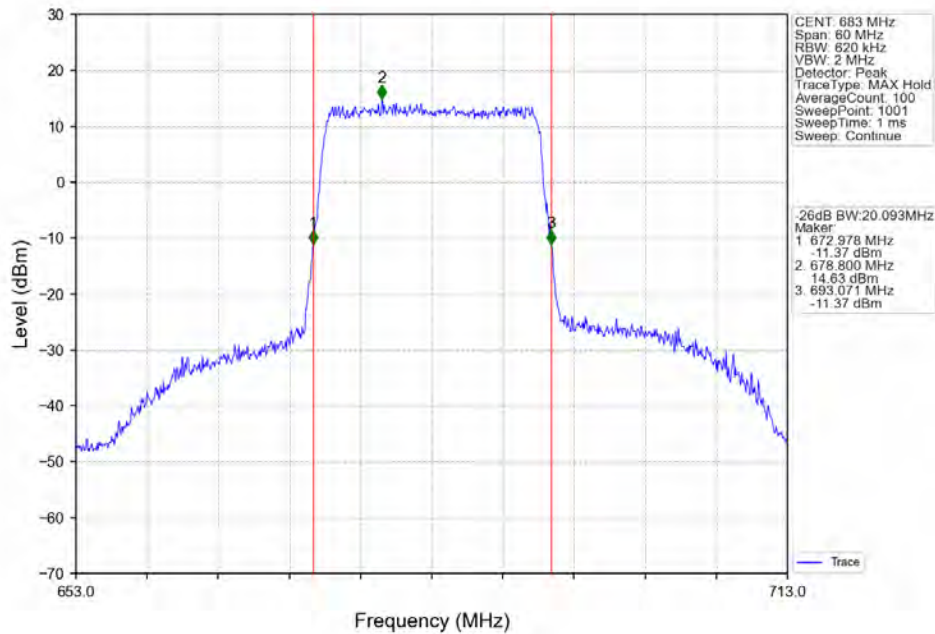
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Report No.: SUCR240400008901

Rev.: 01

Page: 113 of 198

Band71_20MHz_256QAM_MCH_683MHz_RB_100_0_NTNV



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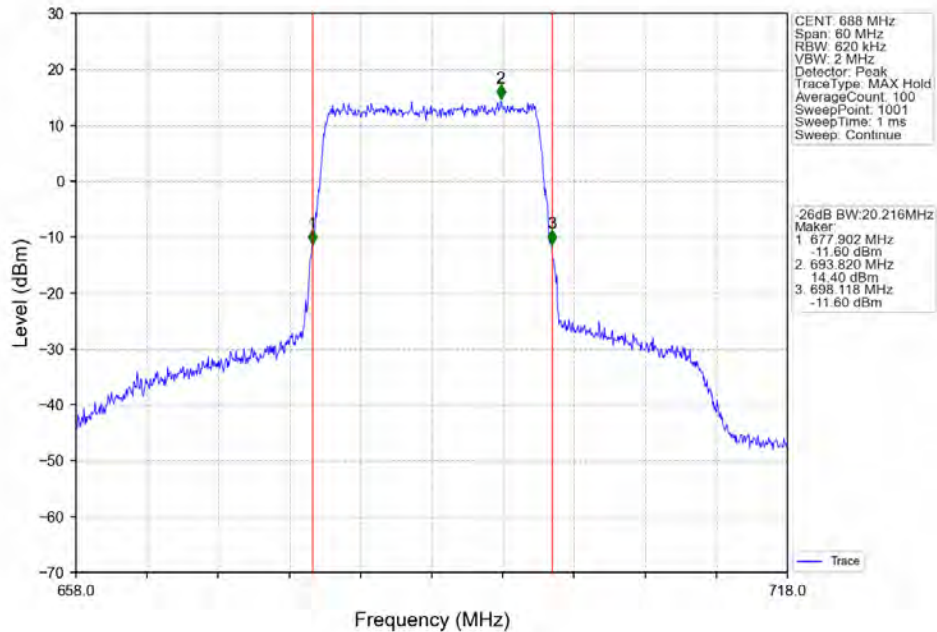
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Rev.: 01

Page: 114 of 198



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Report No.: SUCR240400008901

Rev.: 01

Page: 115 of 198

5. Peak-Average Ratio

5.1 B71_5MHz

5.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	4.77	<=13	Pass
	680.5	25	0	4.91	<=13	Pass
	695.5	25	0	4.89	<=13	Pass
16QAM	665.5	25	0	5.84	<=13	Pass
	680.5	25	0	6.01	<=13	Pass
	695.5	25	0	6.00	<=13	Pass
64QAM	665.5	25	0	10.45	<=13	Pass
	680.5	25	0	10.65	<=13	Pass
	695.5	25	0	10.61	<=13	Pass
256QAM	665.5	25	0	6.95	<=13	Pass
	680.5	25	0	6.96	<=13	Pass
	695.5	25	0	6.94	<=13	Pass



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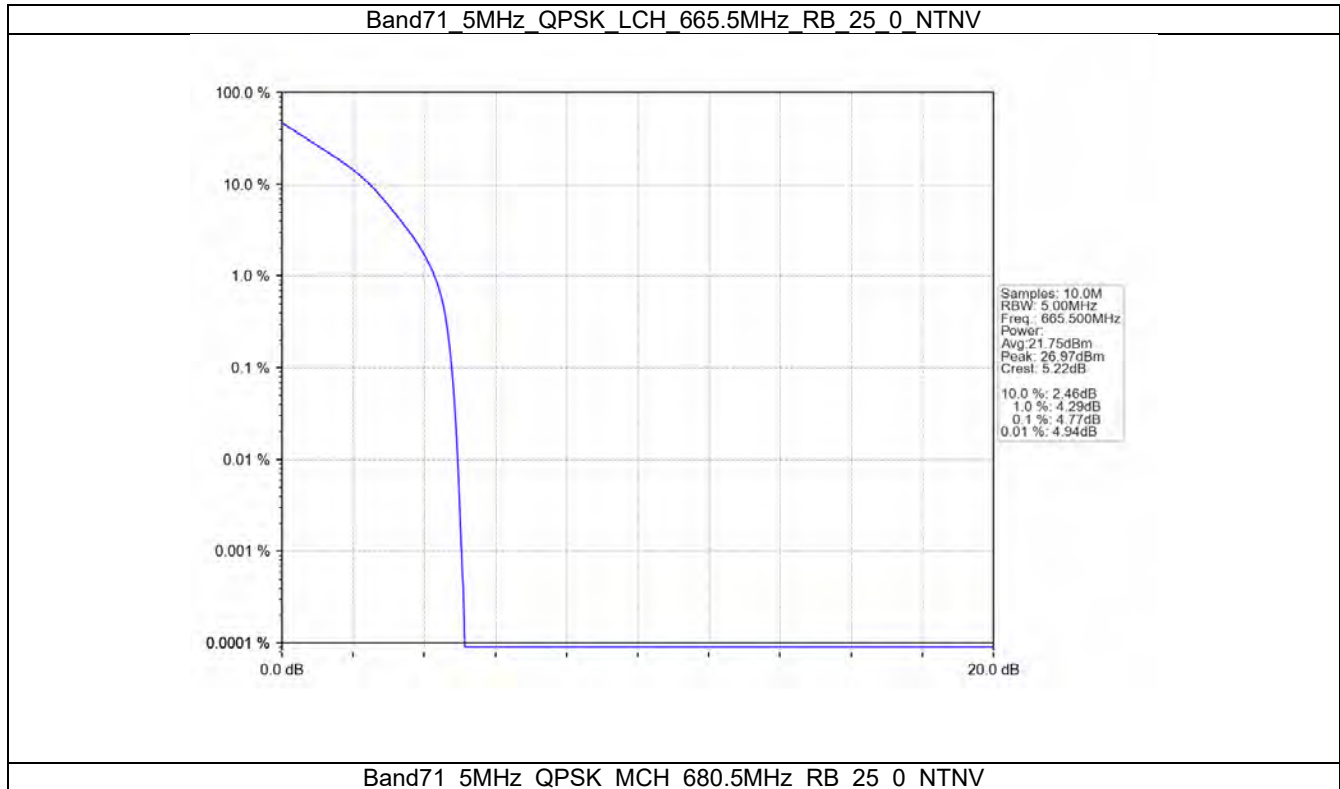
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Rev.: 01

Page: 116 of 198

5.1.2 Test Graph



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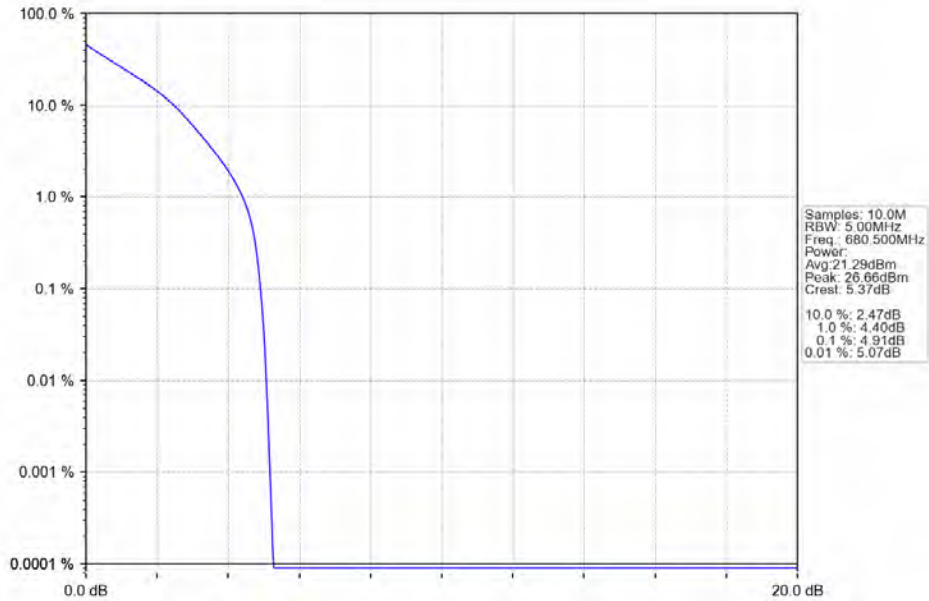
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Rev.: 01

Page: 117 of 198



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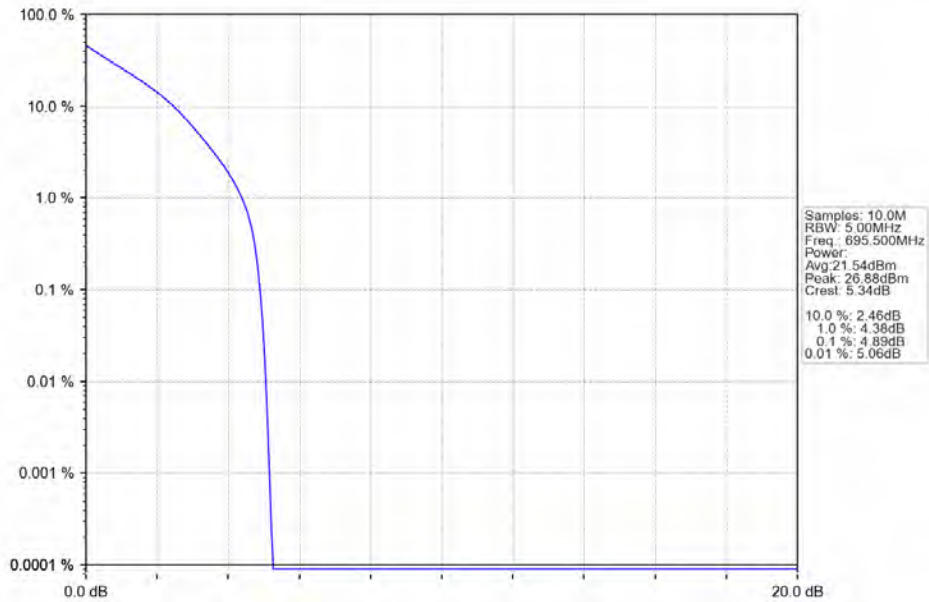
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Report No.: SUCR240400008901

Rev.: 01

Page: 118 of 198

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Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



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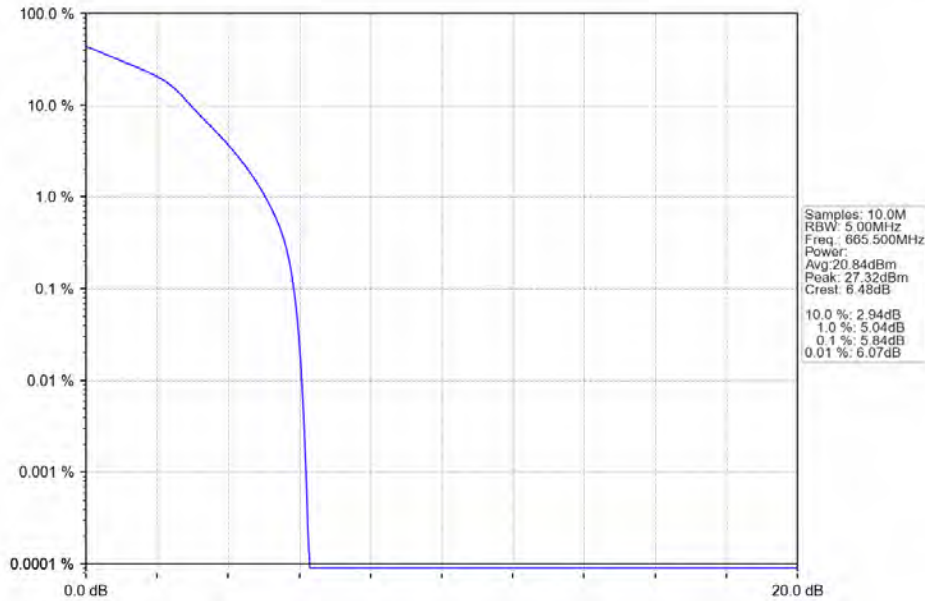
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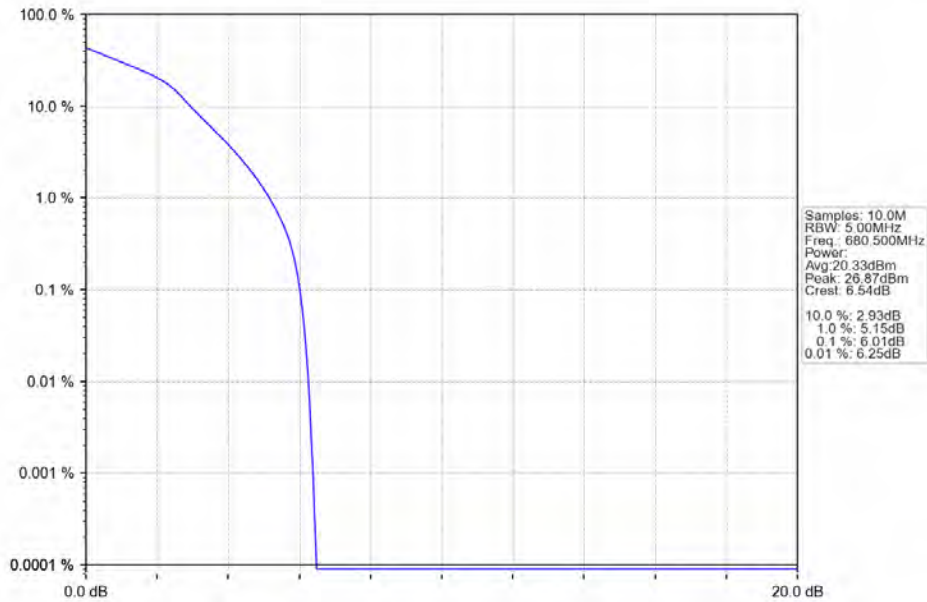
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Report No.: SUCR240400008901

Rev.: 01

Page: 120 of 198

Band71 5MHz 16QAM MCH 680.5MHz_RB_25_0_NTNV



Band71 5MHz 16QAM HCH 695.5MHz_RB_25_0_NTNV



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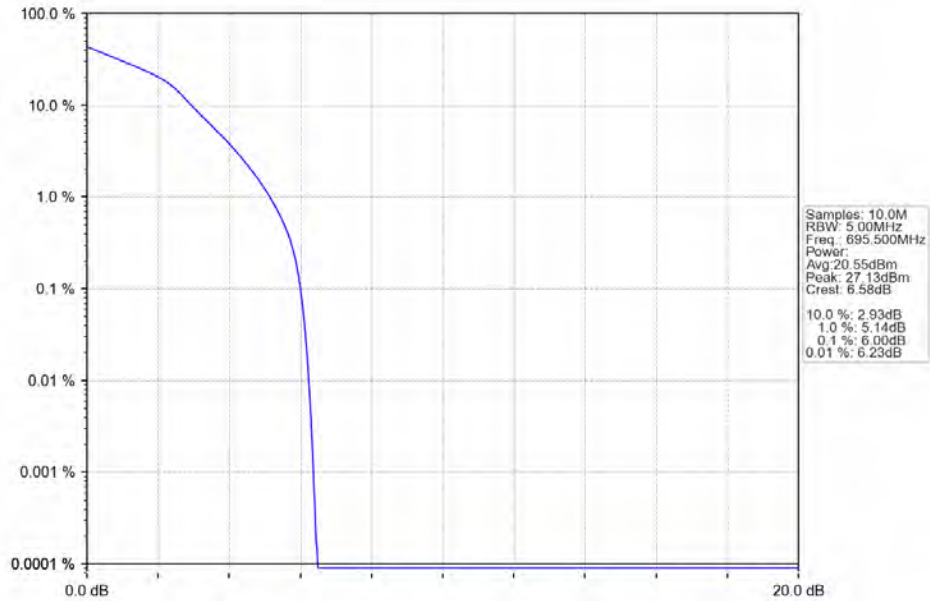
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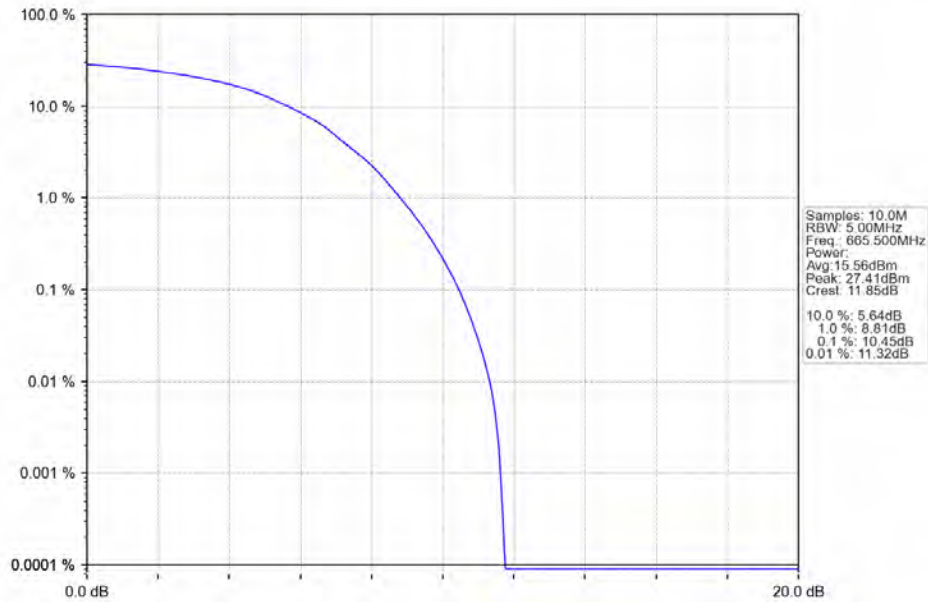
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Band71_5MHz_64QAM_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



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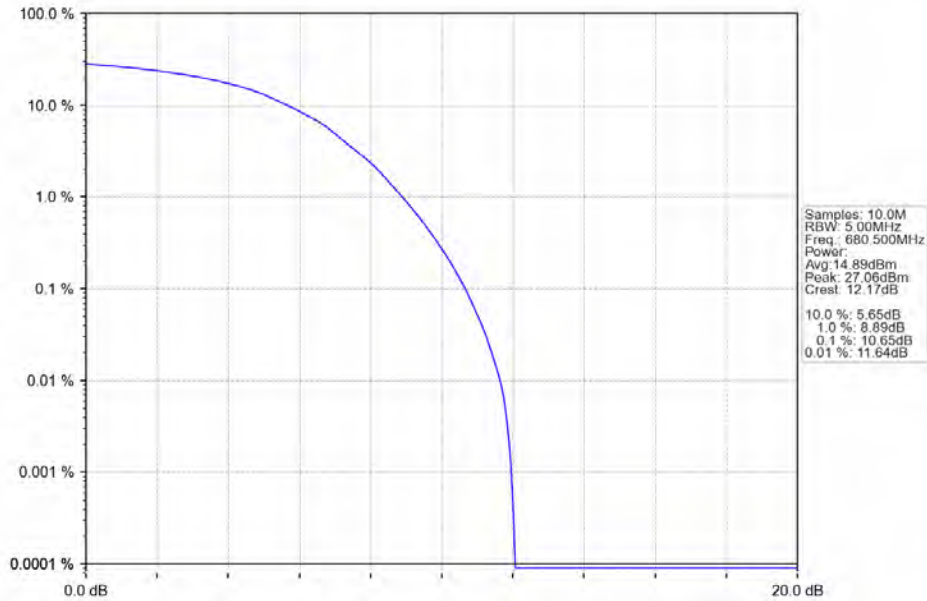
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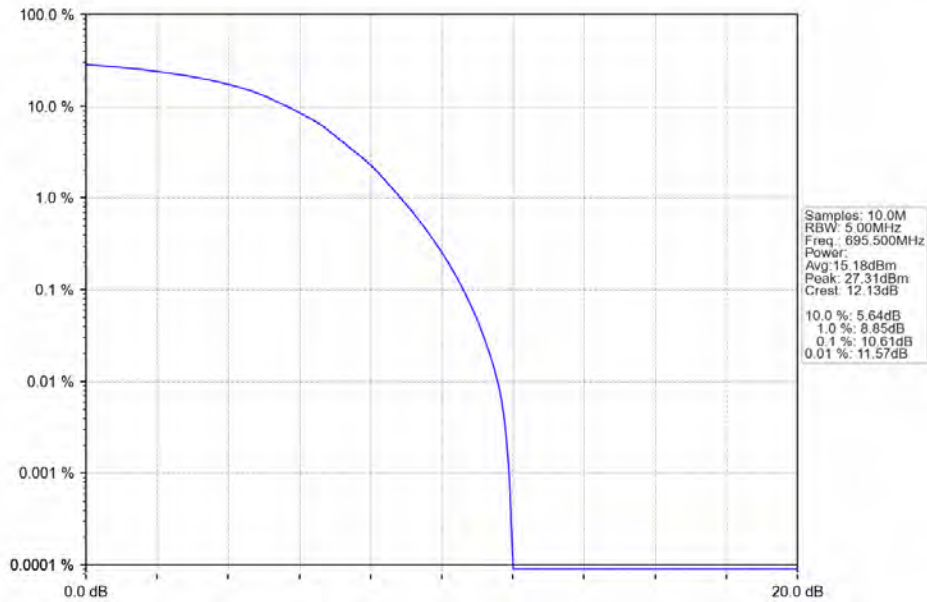
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Band71 5MHz 256QAM LCH 665.5MHz RB 25 0 NTN



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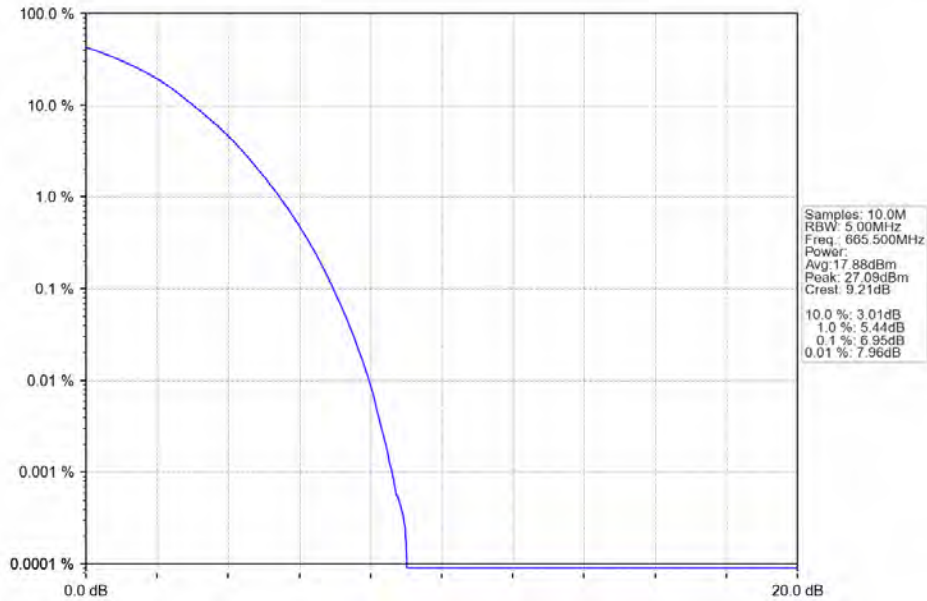
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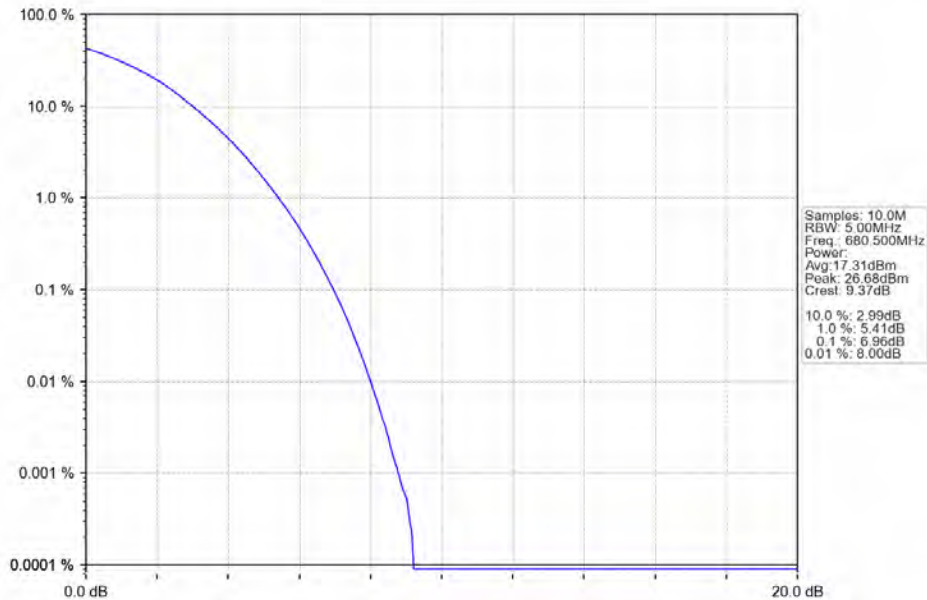
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Rev.: 01

Page: 126 of 198

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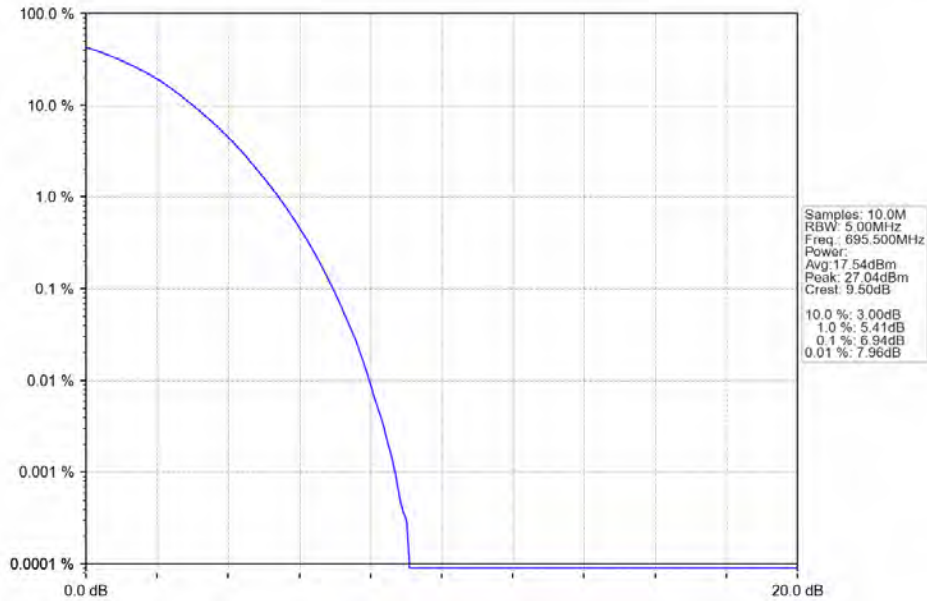
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Report No.: SUCR240400008901

Rev.: 01

Page: 127 of 198



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Report No.: SUCR240400008901

Rev.: 01

Page: 128 of 198

5.2 B71_10MHz

5.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	4.88	<=13	Pass
	680.5	50	0	4.88	<=13	Pass
	693	50	0	4.90	<=13	Pass
16QAM	668	50	0	5.93	<=13	Pass
	680.5	50	0	6.00	<=13	Pass
	693	50	0	6.03	<=13	Pass
64QAM	668	50	0	6.59	<=13	Pass
	680.5	50	0	12.40	<=13	Pass
	693	50	0	6.70	<=13	Pass
256QAM	668	50	0	6.90	<=13	Pass
	680.5	50	0	6.92	<=13	Pass
	693	50	0	6.94	<=13	Pass



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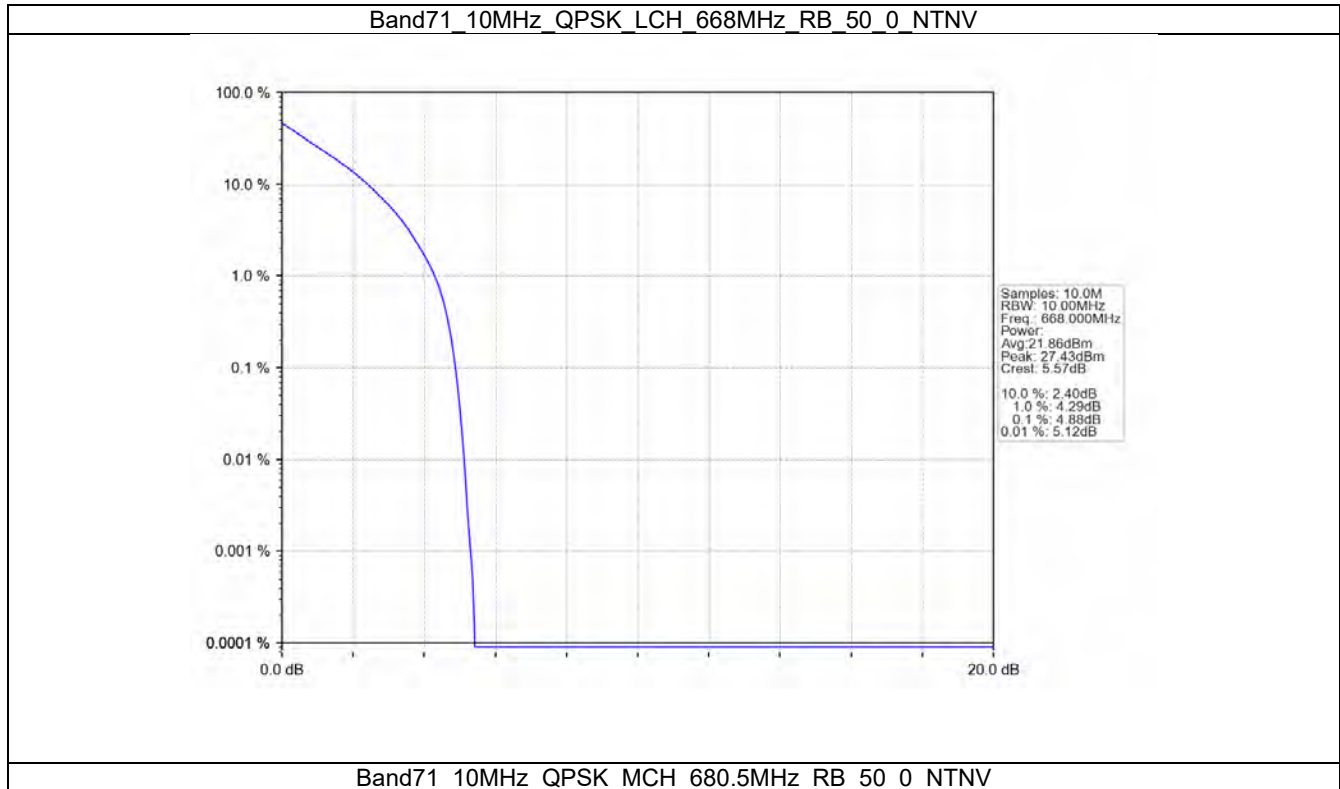
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Rev.: 01

Page: 129 of 198

5.2.2 Test Graph



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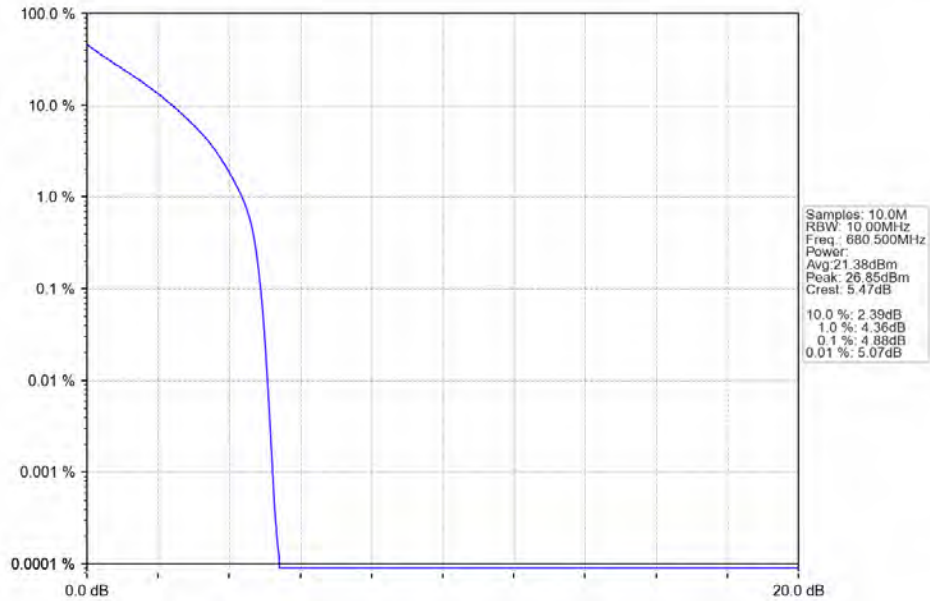
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Page: 130 of 198



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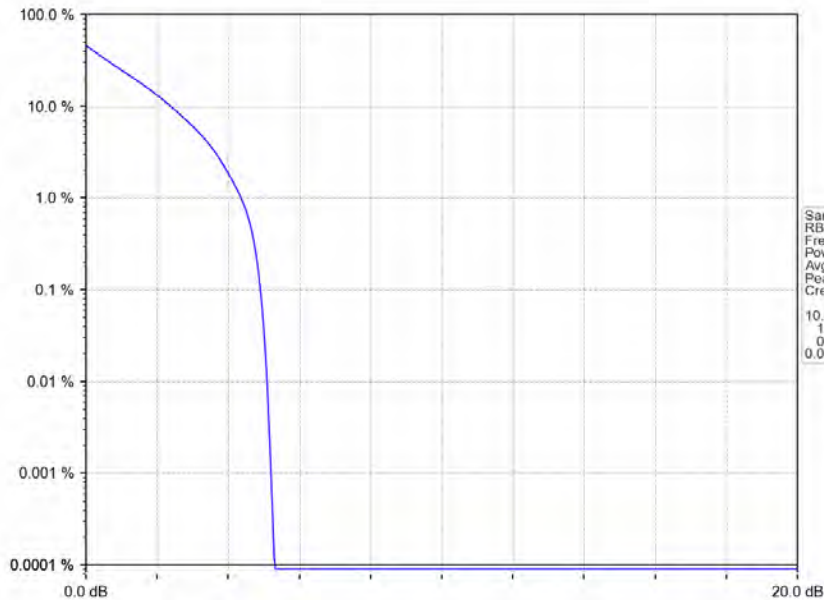
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Report No.: SUCR240400008901

Rev.: 01

Page: 131 of 198

Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



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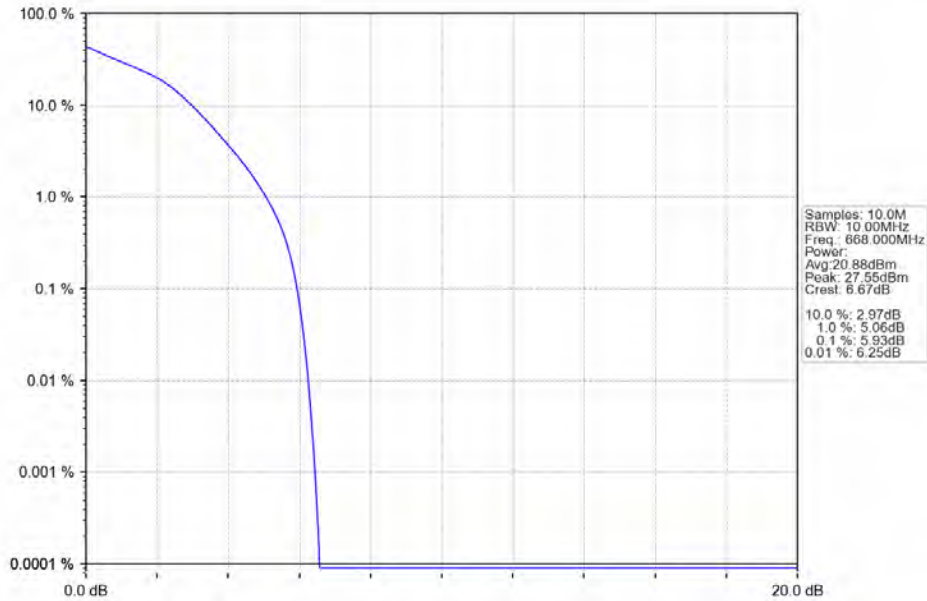
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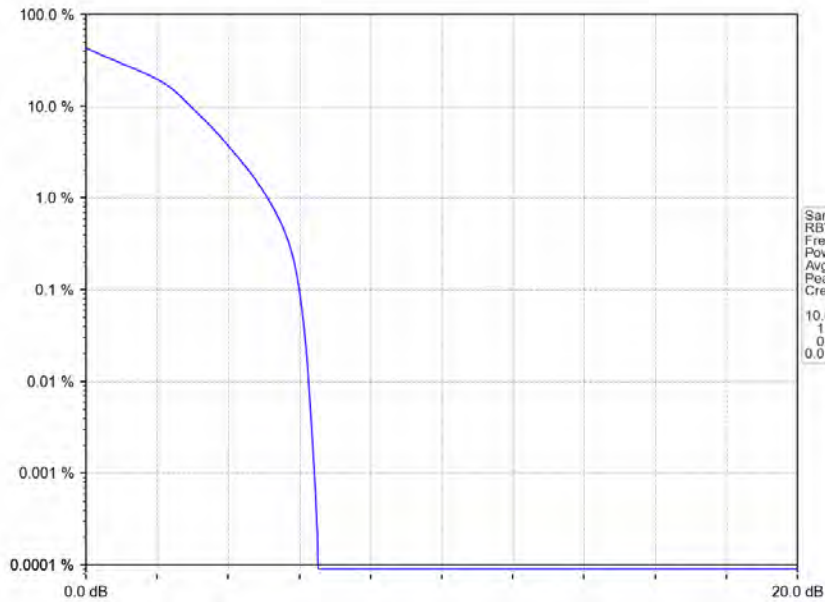
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Report No.: SUCR240400008901

Rev.: 01

Page: 133 of 198

Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



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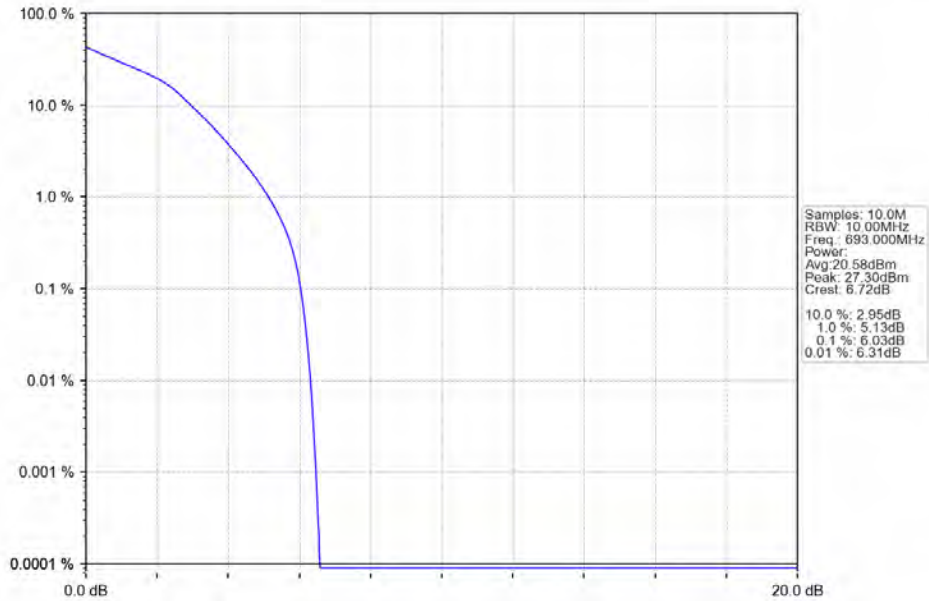
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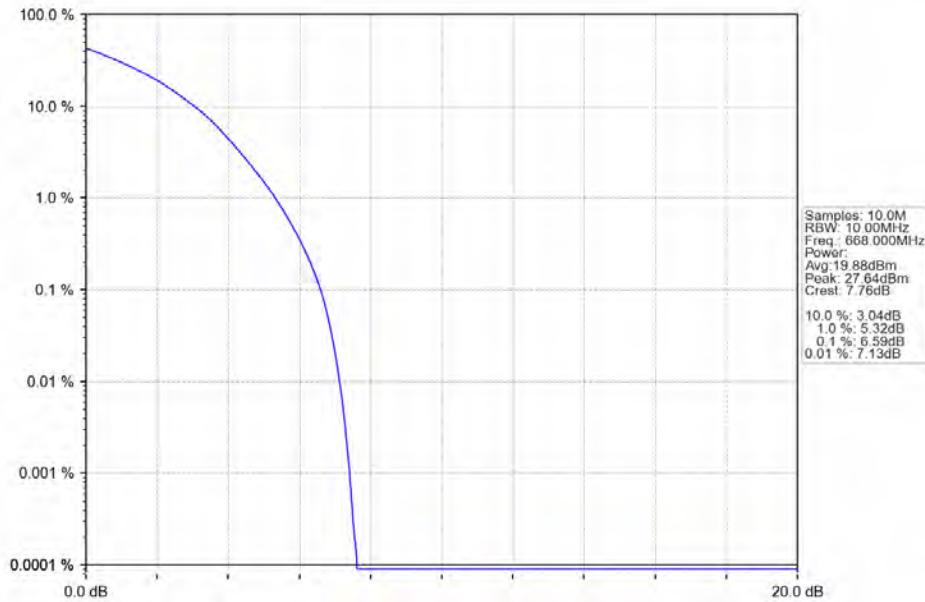
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Rev.: 01

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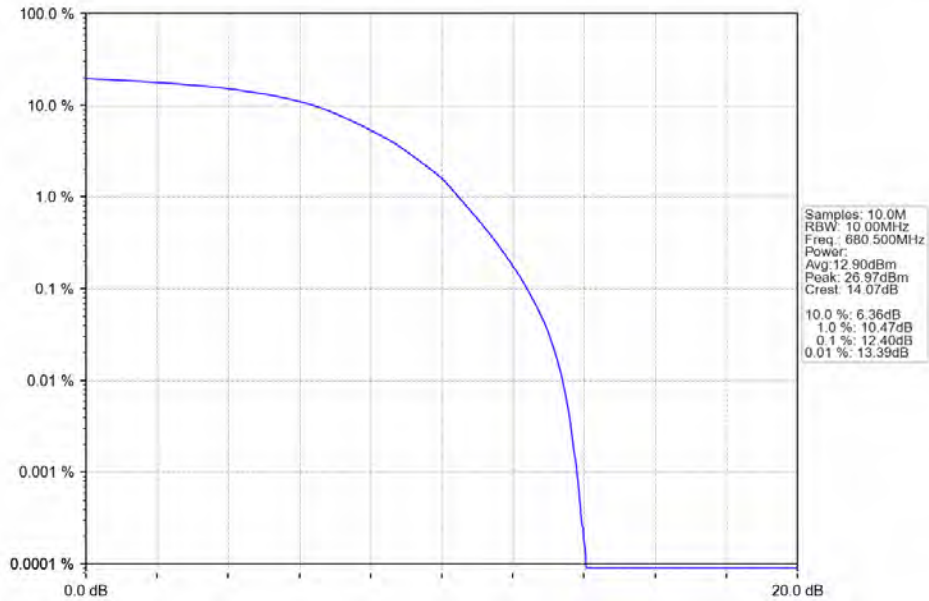
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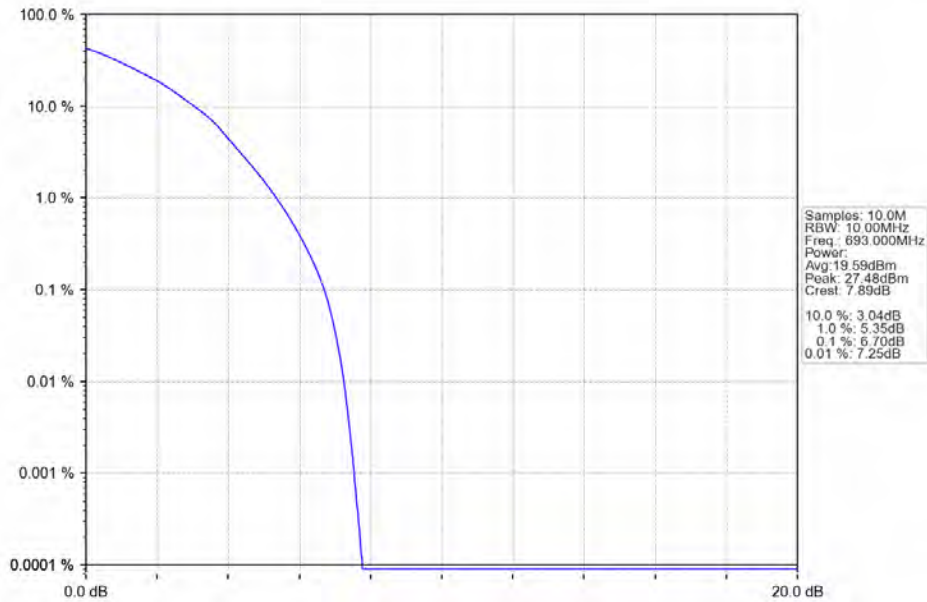
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Report No.: SUCR240400008901

Rev.: 01

Page: 137 of 198

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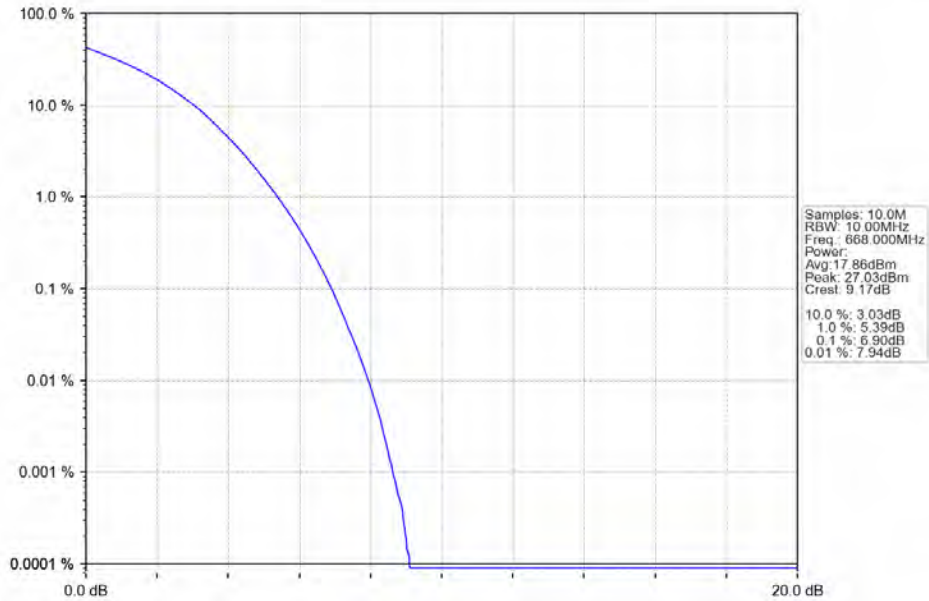
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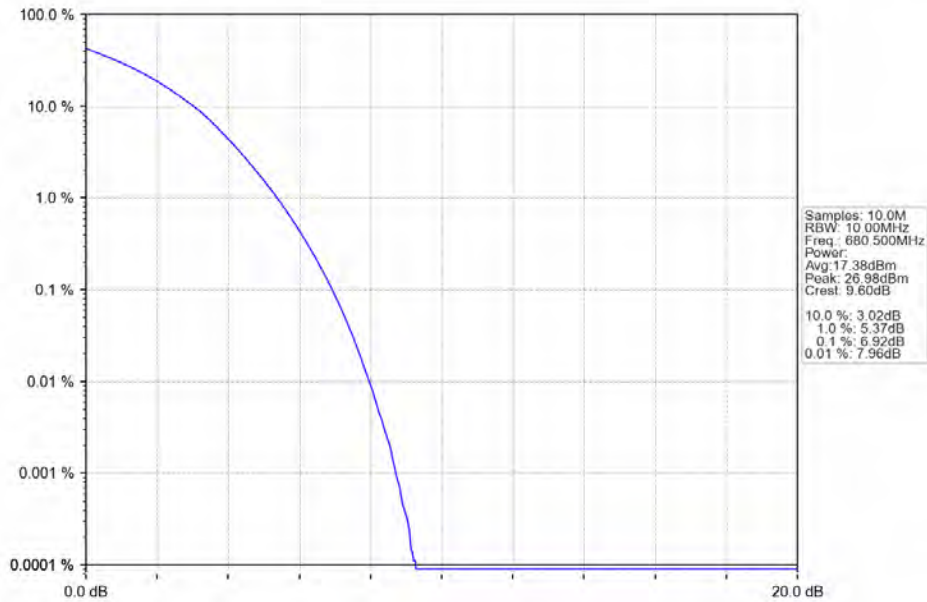
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Report No.: SUCR240400008901

Rev.: 01

Page: 139 of 198

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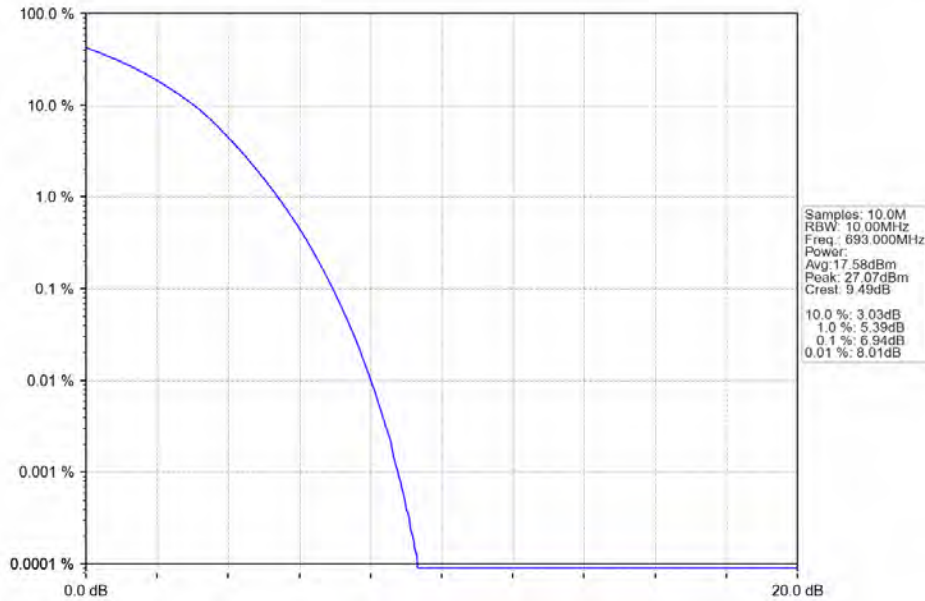
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Report No.: SUCR240400008901

Rev.: 01

Page: 140 of 198



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Report No.: SUCR240400008901

Rev.: 01

Page: 141 of 198

5.3 B71_15MHz

5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.00	<=13	Pass
	680.5	75	0	4.91	<=13	Pass
	690.5	75	0	4.95	<=13	Pass
16QAM	670.5	75	0	6.16	<=13	Pass
	680.5	75	0	6.19	<=13	Pass
	690.5	75	0	6.19	<=13	Pass
64QAM	670.5	75	0	6.71	<=13	Pass
	680.5	75	0	6.76	<=13	Pass
	690.5	75	0	11.82	<=13	Pass
256QAM	670.5	75	0	6.93	<=13	Pass
	680.5	75	0	6.92	<=13	Pass
	690.5	75	0	6.97	<=13	Pass



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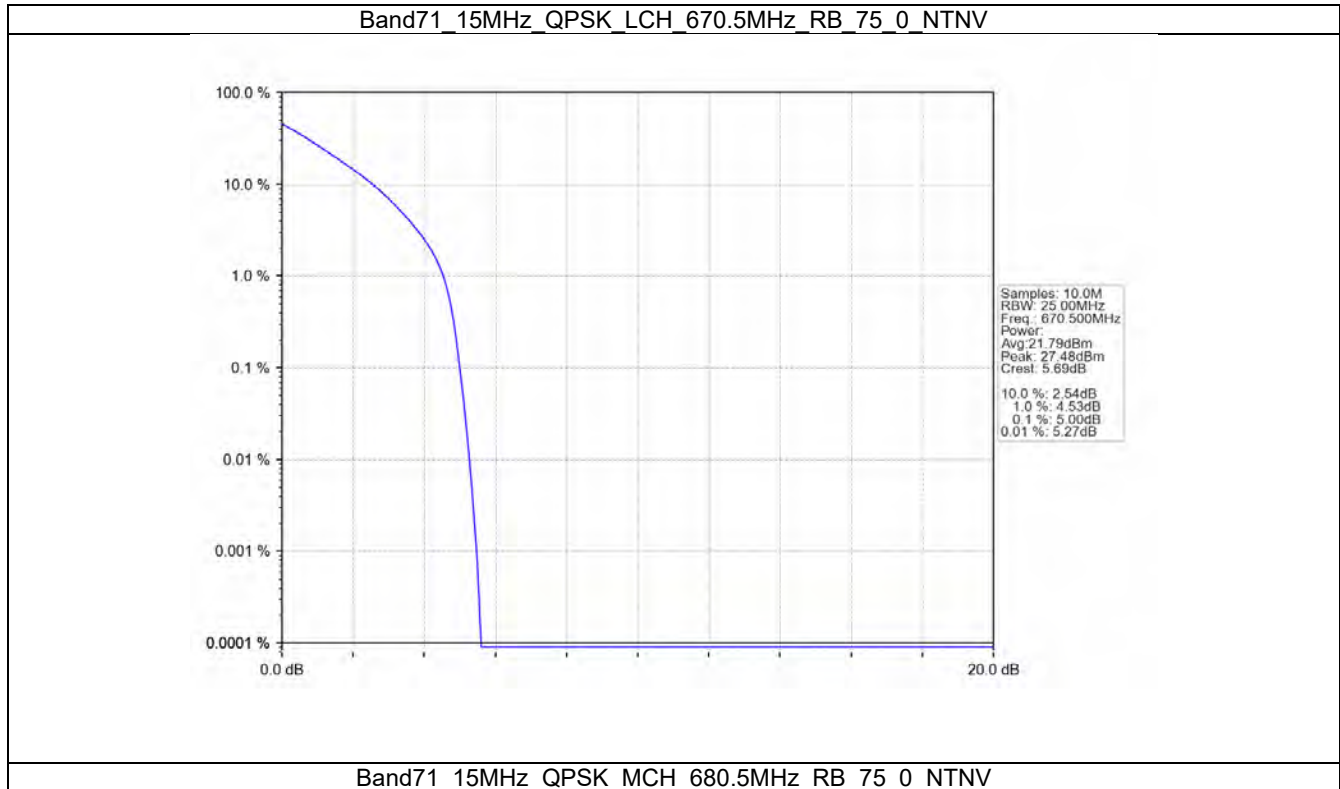
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Rev.: 01

Page: 142 of 198

5.3.2 Test Graph



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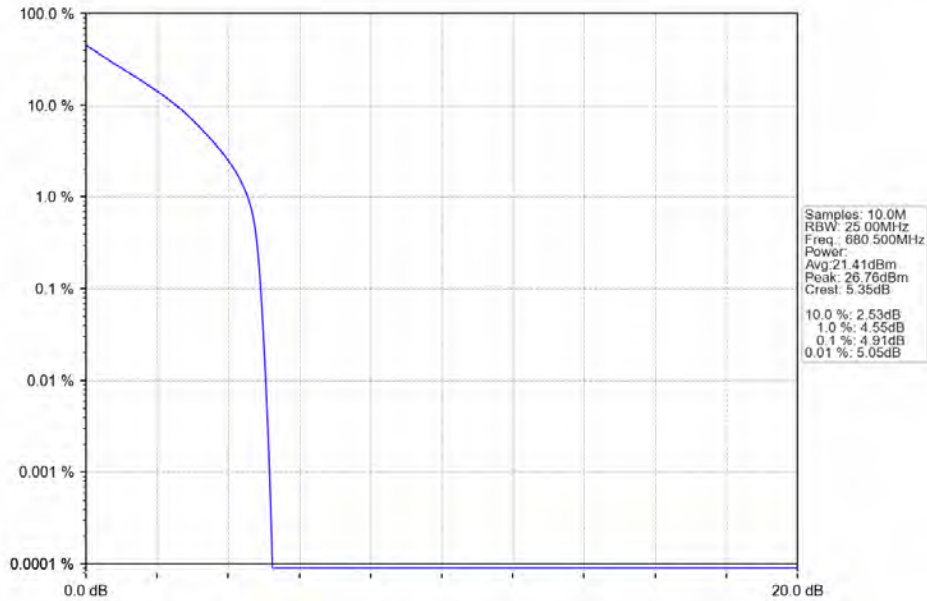
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Page: 143 of 198



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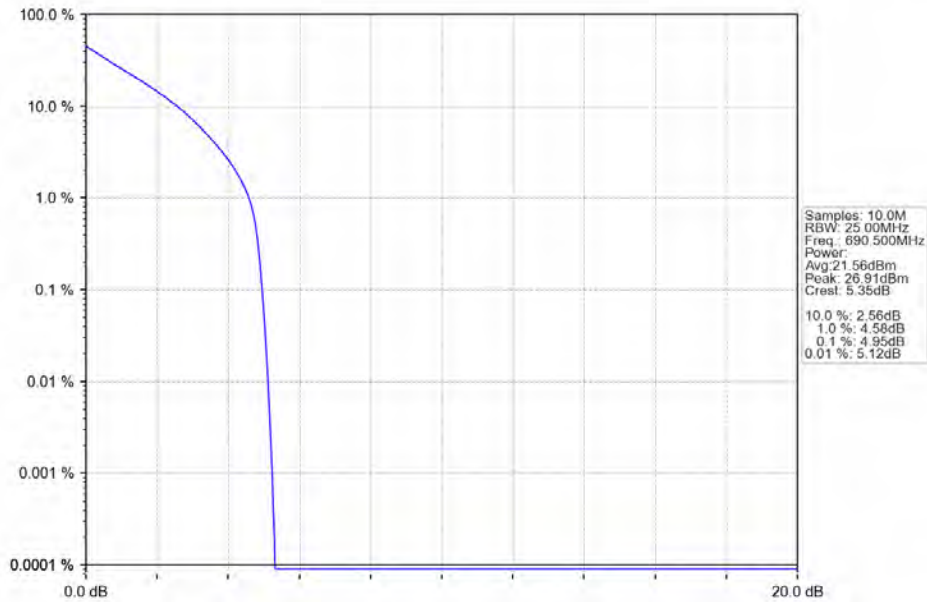
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Report No.: SUCR240400008901

Rev.: 01

Page: 144 of 198

Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



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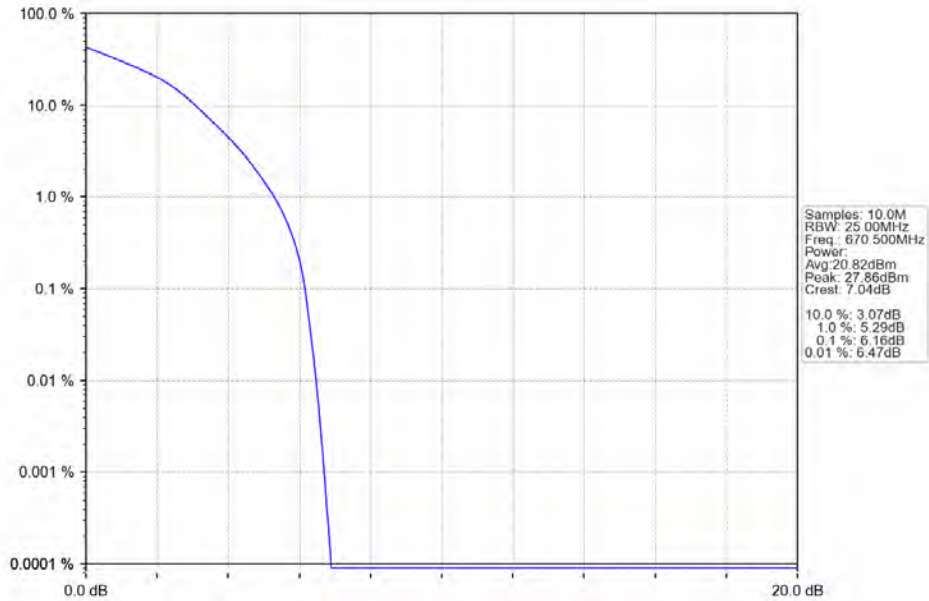
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Page: 145 of 198



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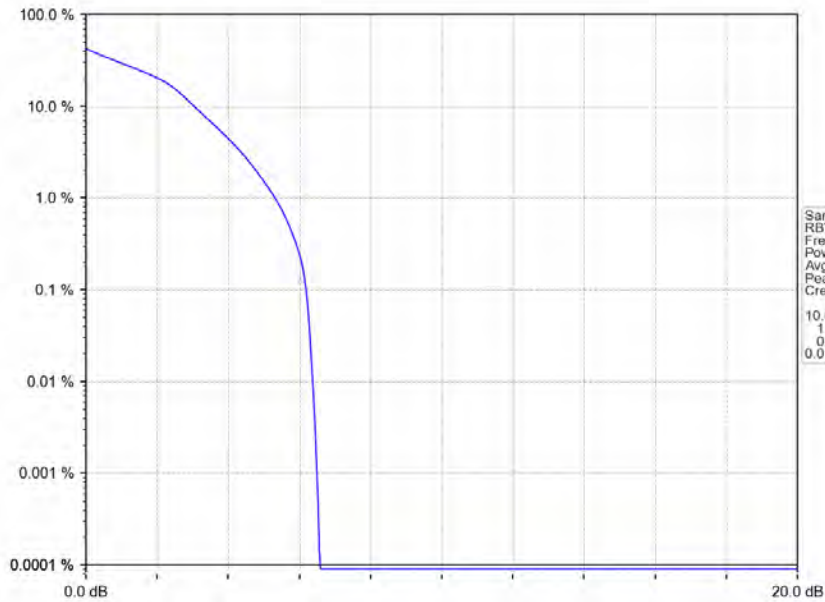
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Report No.: SUCR240400008901

Rev.: 01

Page: 146 of 198

Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



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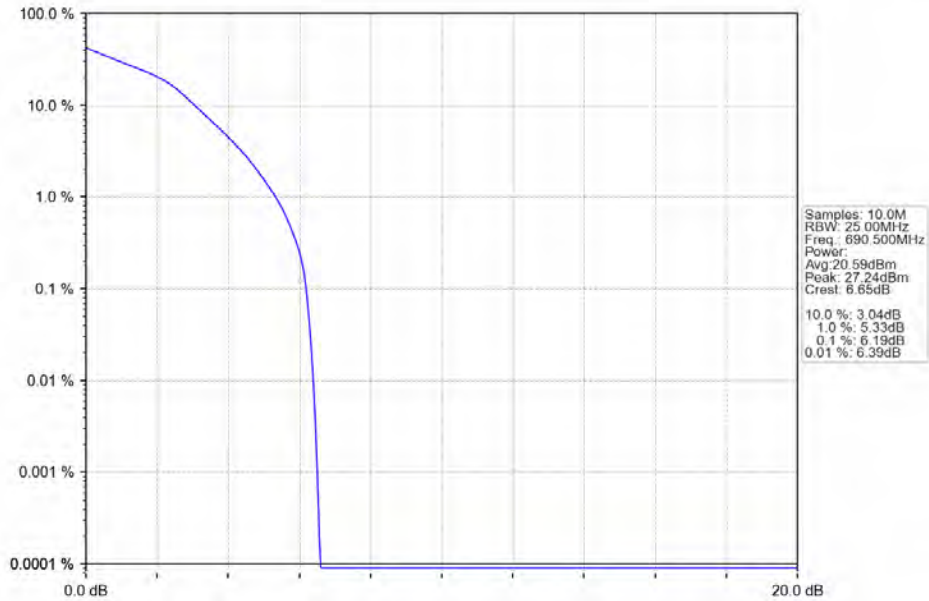
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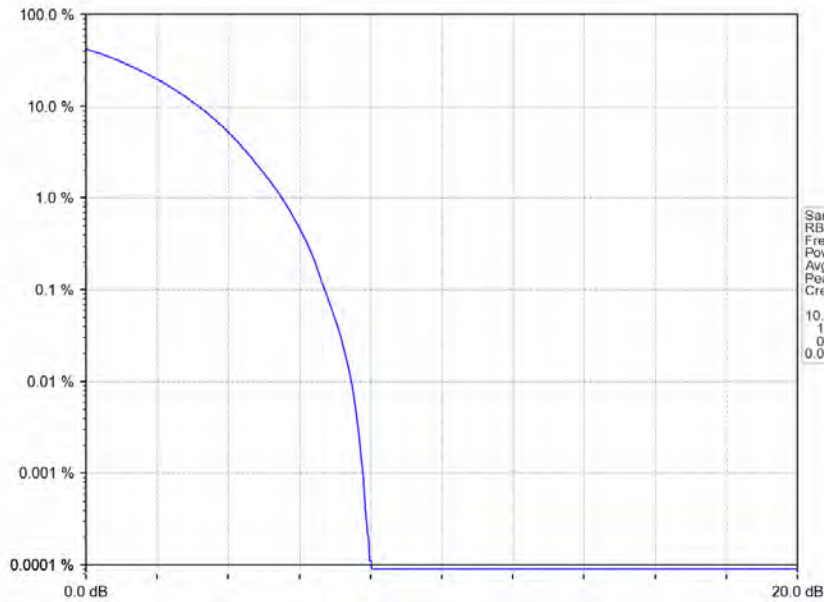
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Report No.: SUCR240400008901

Rev.: 01

Page: 148 of 198

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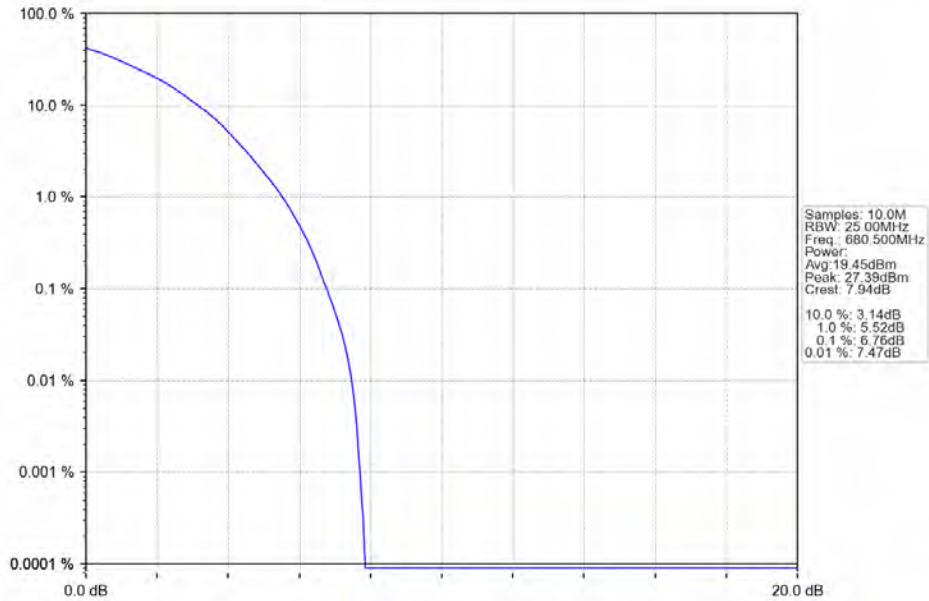
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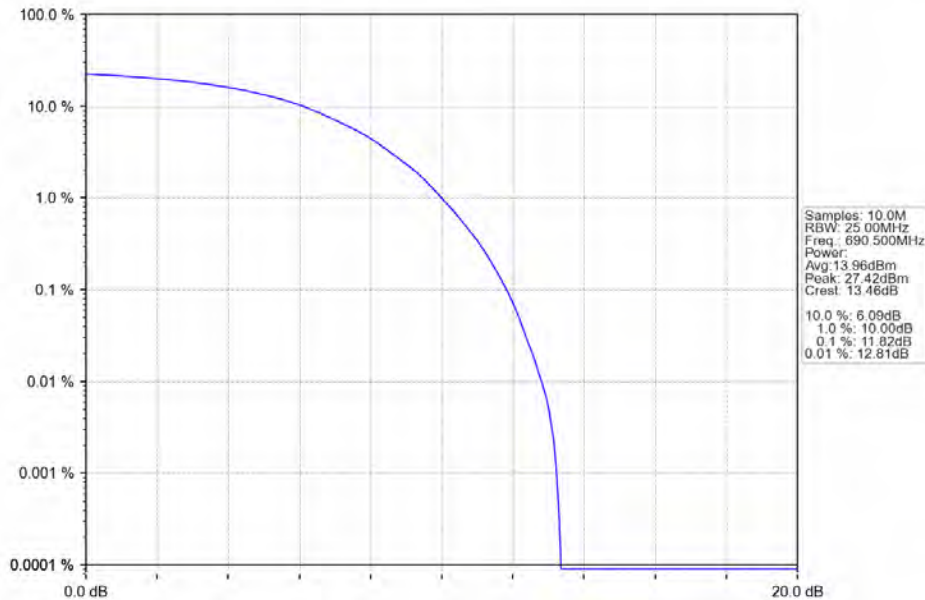
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Report No.: SUCR240400008901

Rev.: 01

Page: 150 of 198

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Band71_15MHz_256QAM_LCH_670.5MHz_RB_75_0_NTNV



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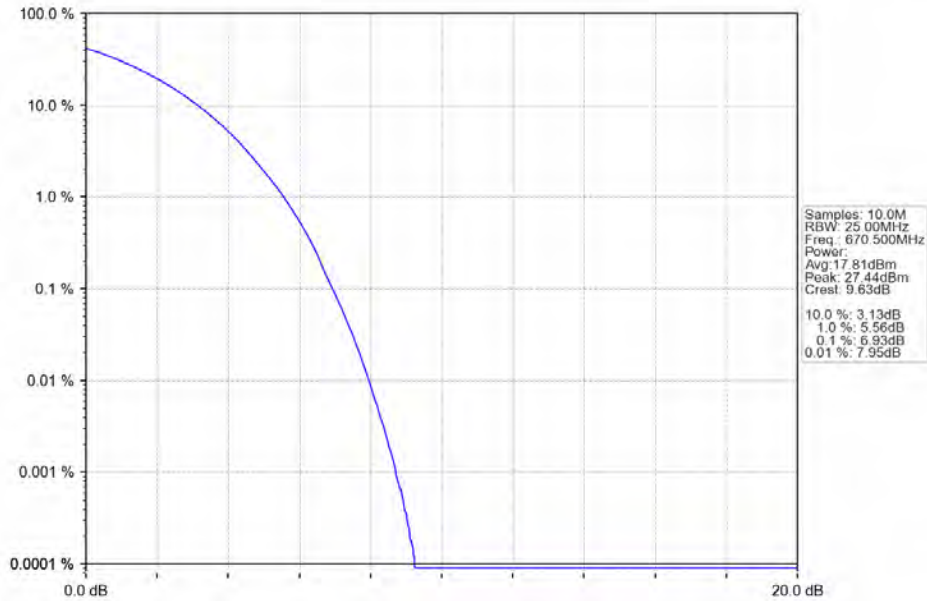
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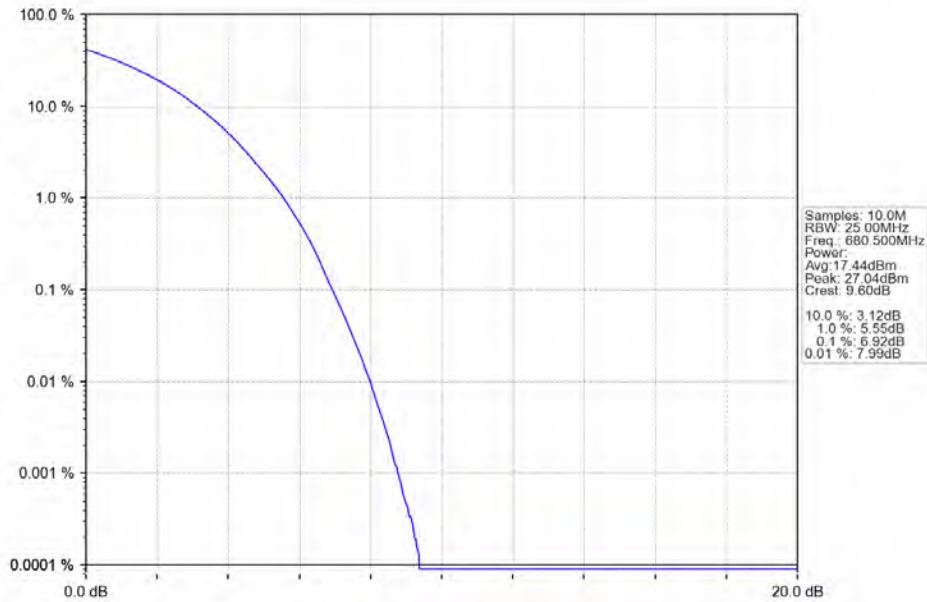
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Report No.: SUCR240400008901

Rev.: 01

Page: 152 of 198

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Band71_15MHz_256QAM_HCH_690.5MHz_RB_75_0_NTNV



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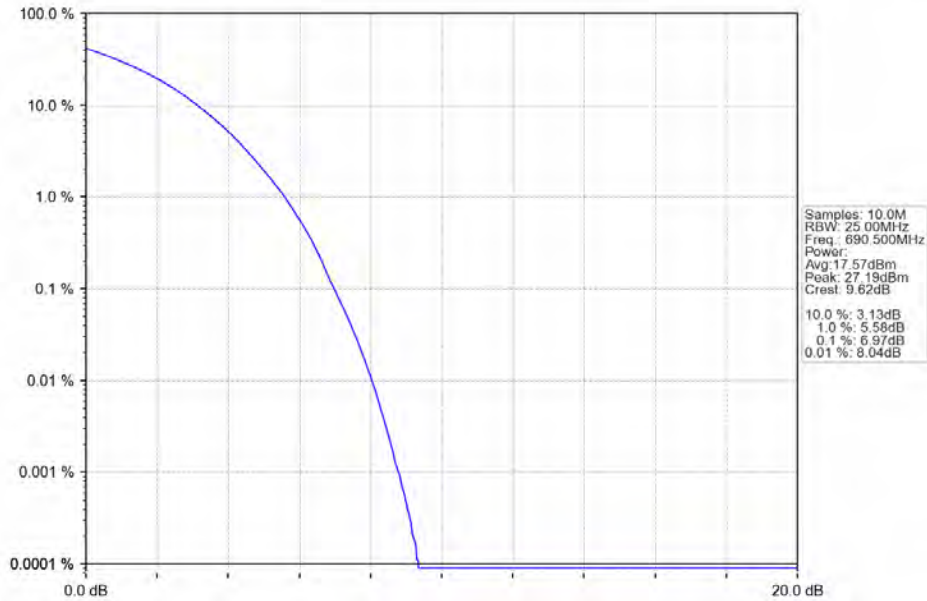
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Rev.: 01

Page: 153 of 198



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Report No.: SUCR240400008901

Rev.: 01

Page: 154 of 198

5.4 B71_20MHz

5.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.00	<=13	Pass
	683	100	0	4.95	<=13	Pass
	688	100	0	4.98	<=13	Pass
16QAM	673	100	0	6.03	<=13	Pass
	683	100	0	6.04	<=13	Pass
	688	100	0	6.06	<=13	Pass
64QAM	673	100	0	6.64	<=13	Pass
	683	100	0	10.93	<=13	Pass
	688	100	0	10.91	<=13	Pass
256QAM	673	100	0	6.89	<=13	Pass
	683	100	0	6.91	<=13	Pass
	688	100	0	6.94	<=13	Pass



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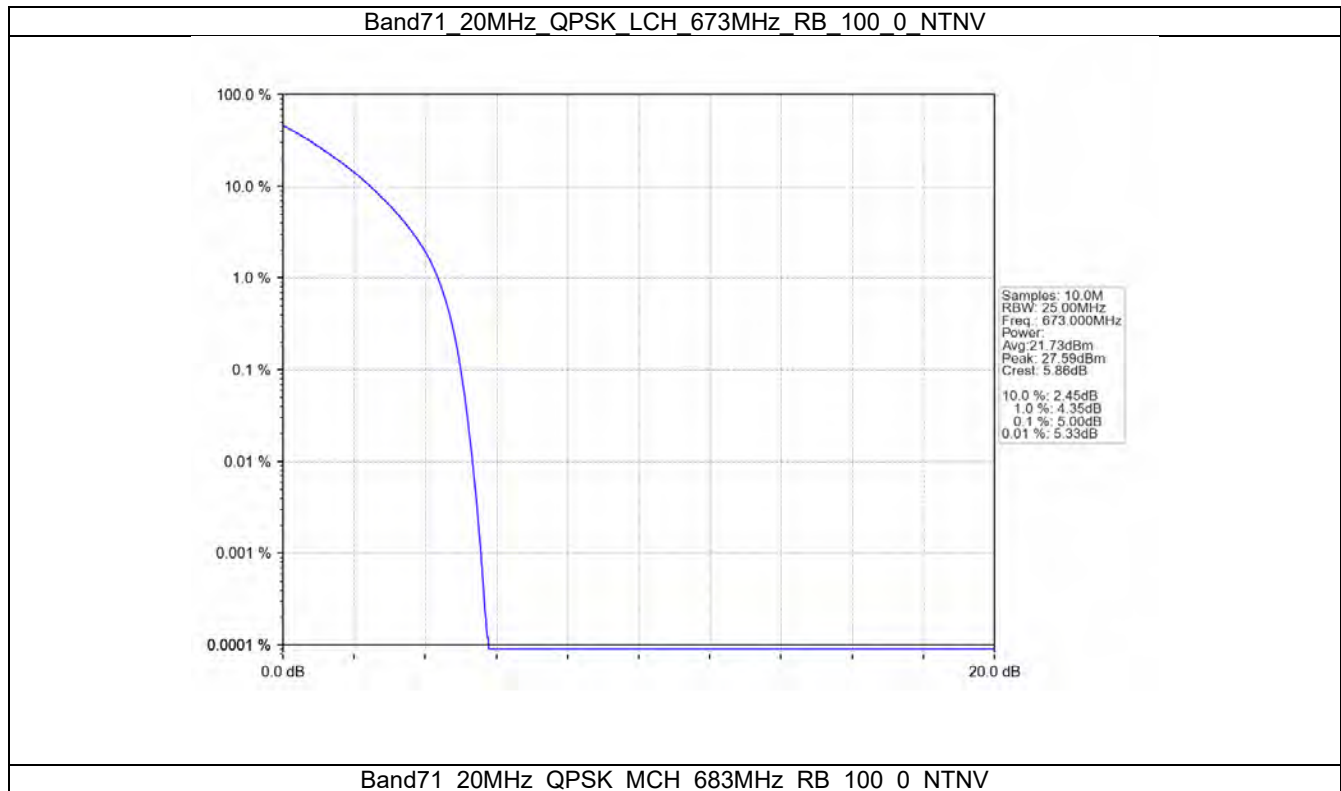
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Page: 155 of 198

5.4.2 Test Graph



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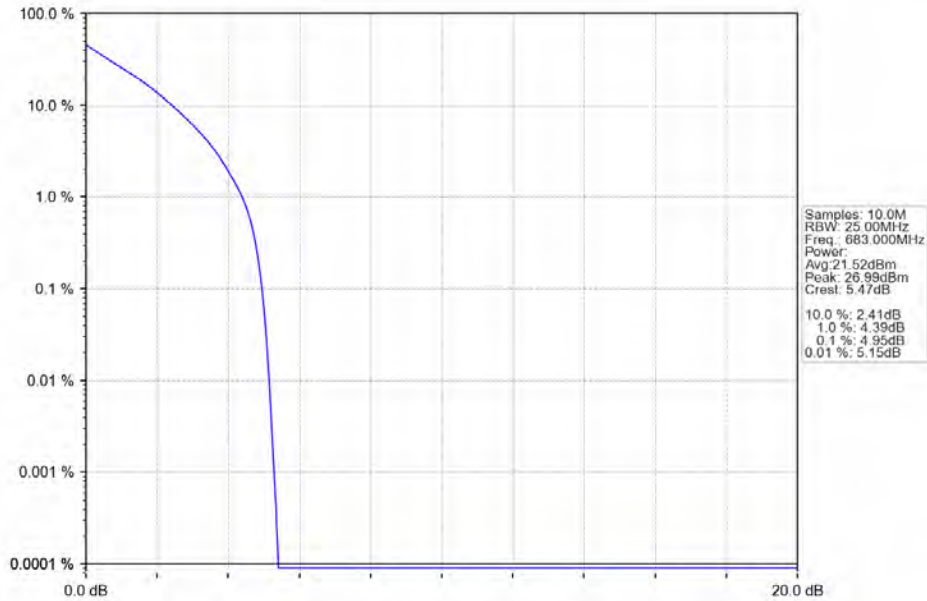
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Page: 156 of 198



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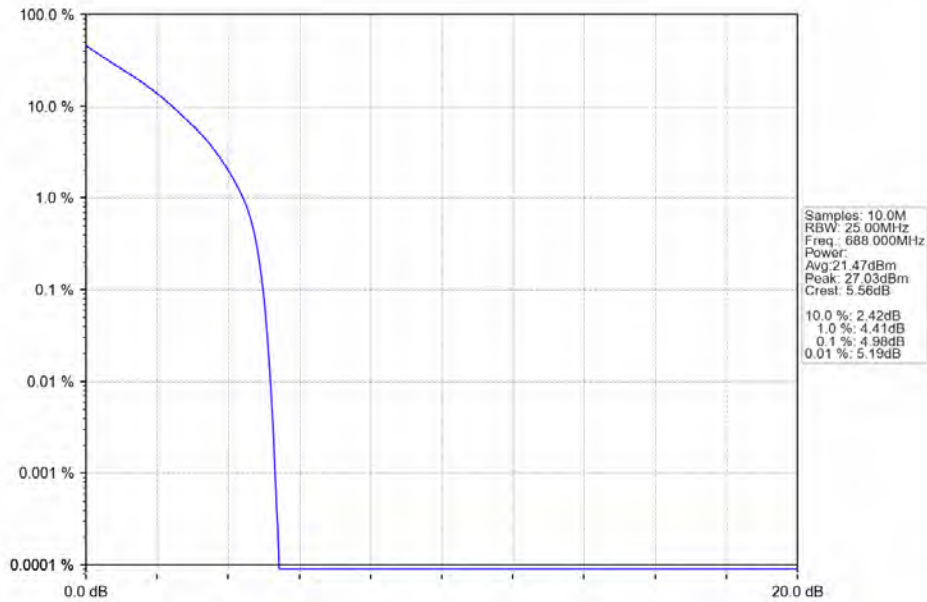
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Page: 157 of 198

Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



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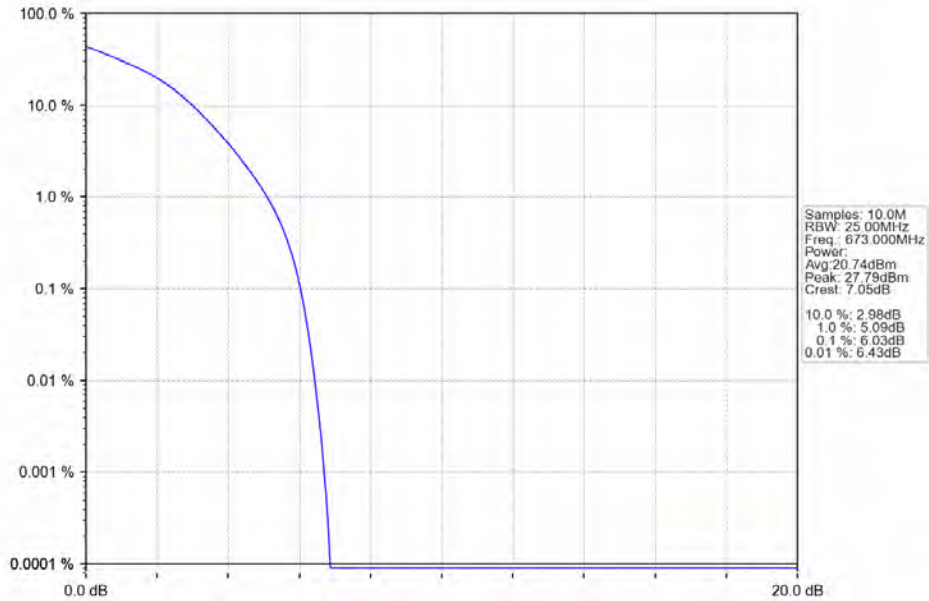
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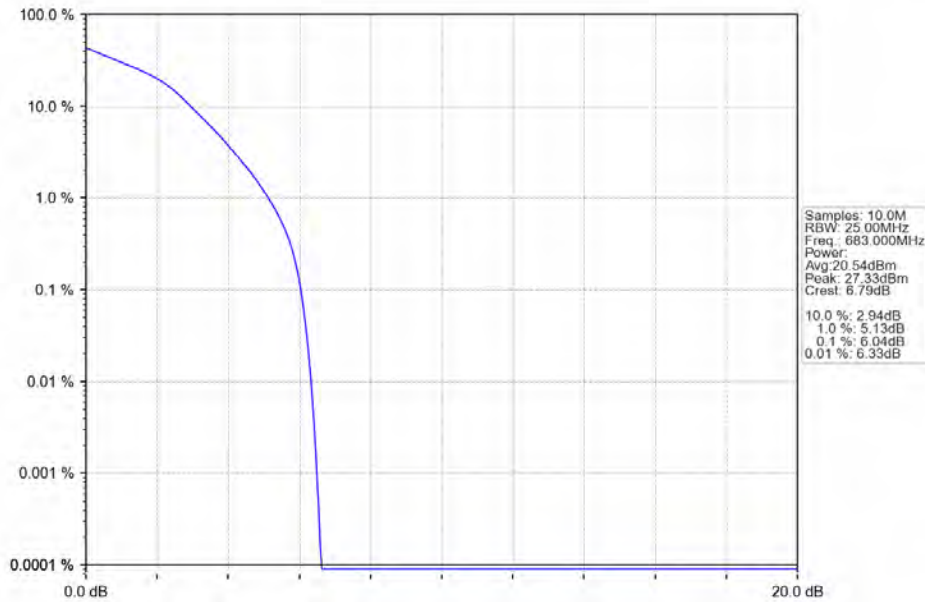
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Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



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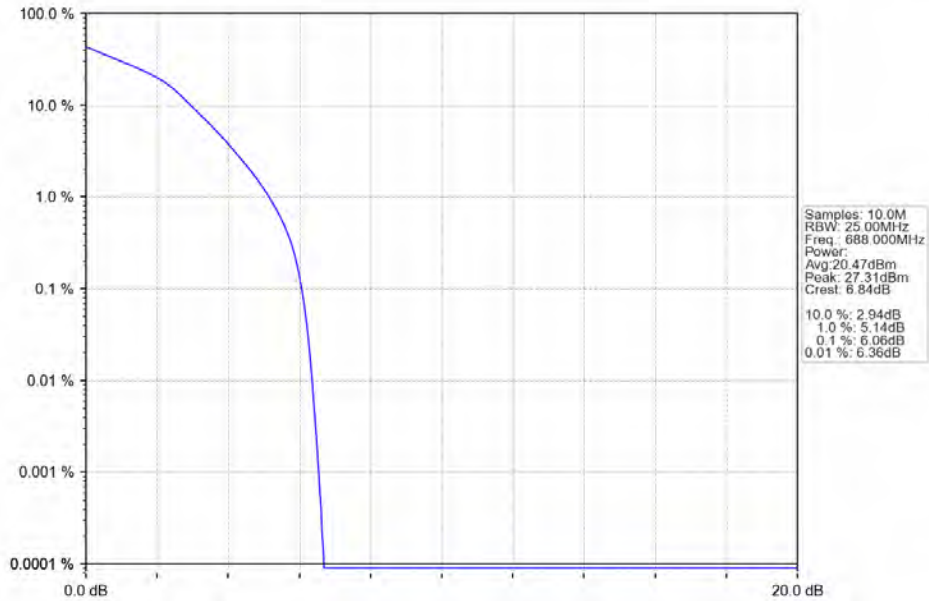
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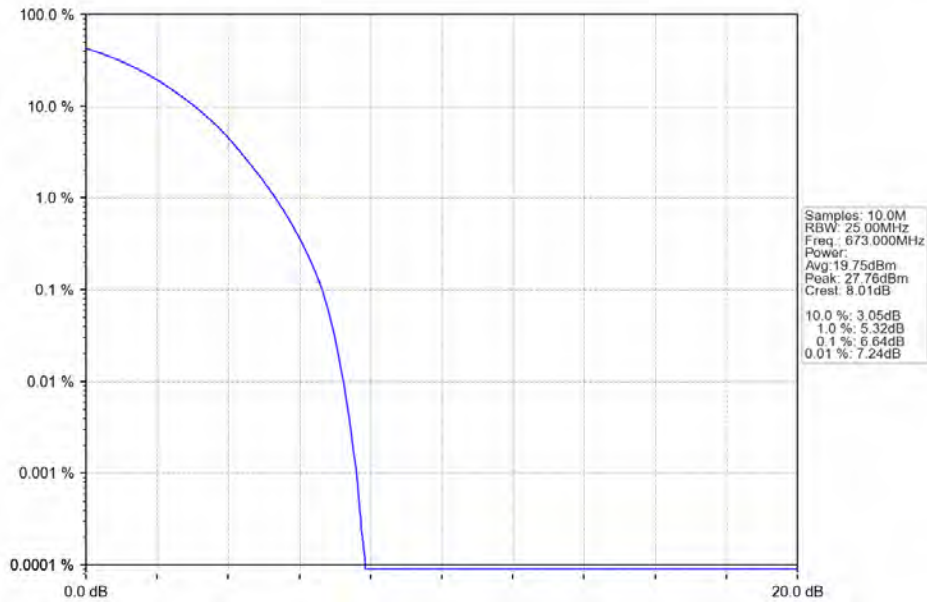
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Band71 20MHz 64QAM LCH 673MHz RB 100 0 NTN



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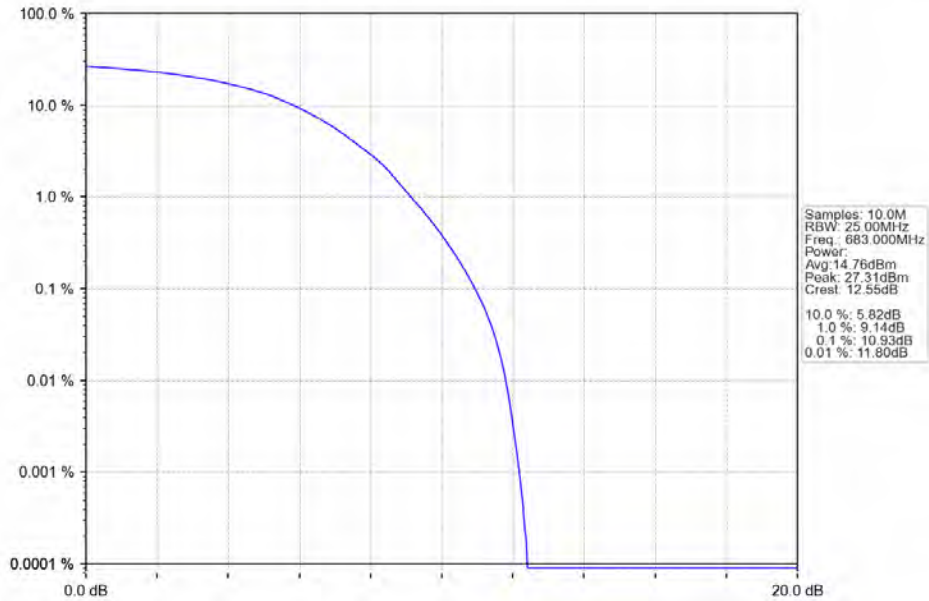
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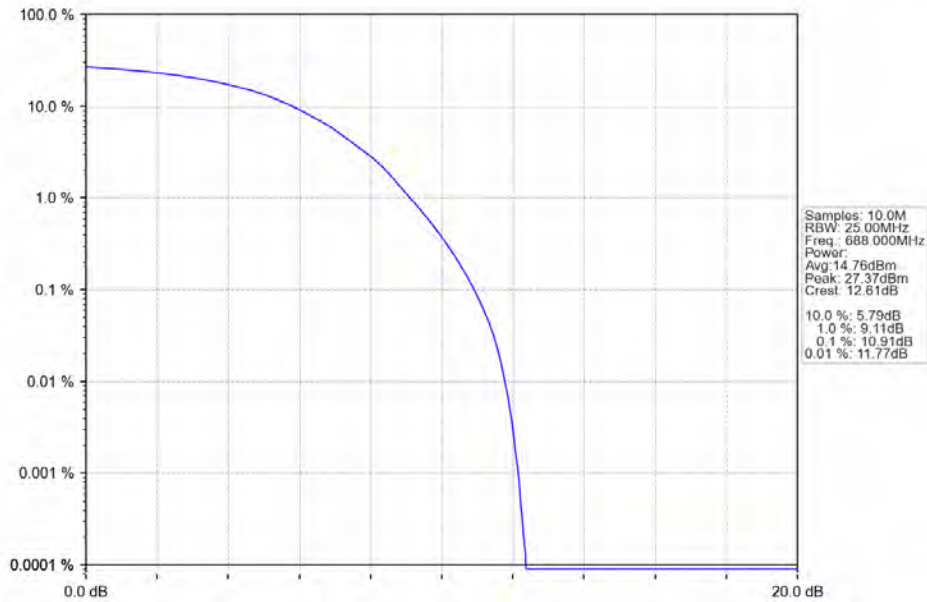
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Band71 20MHz 256QAM LCH 673MHz RB 100 0 NTN



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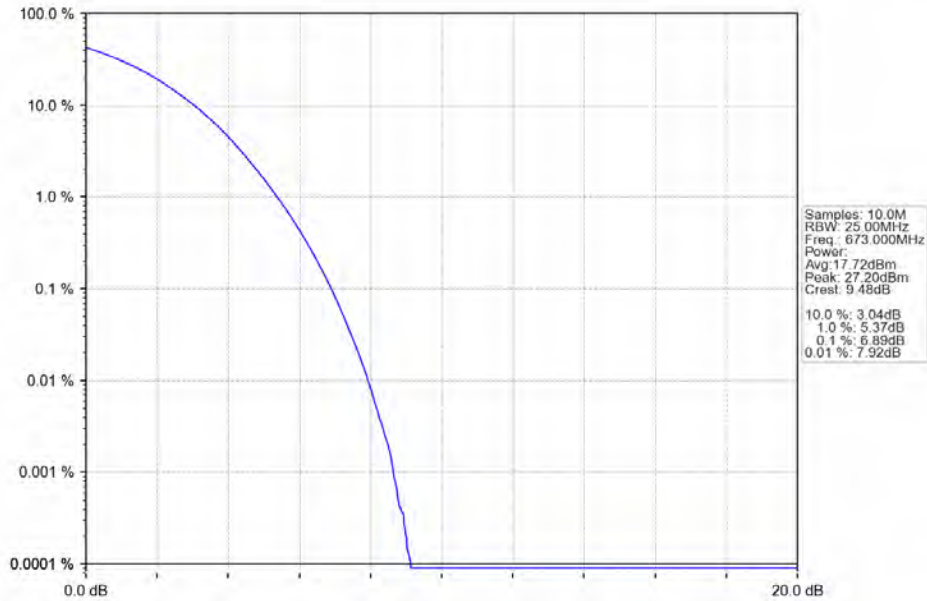
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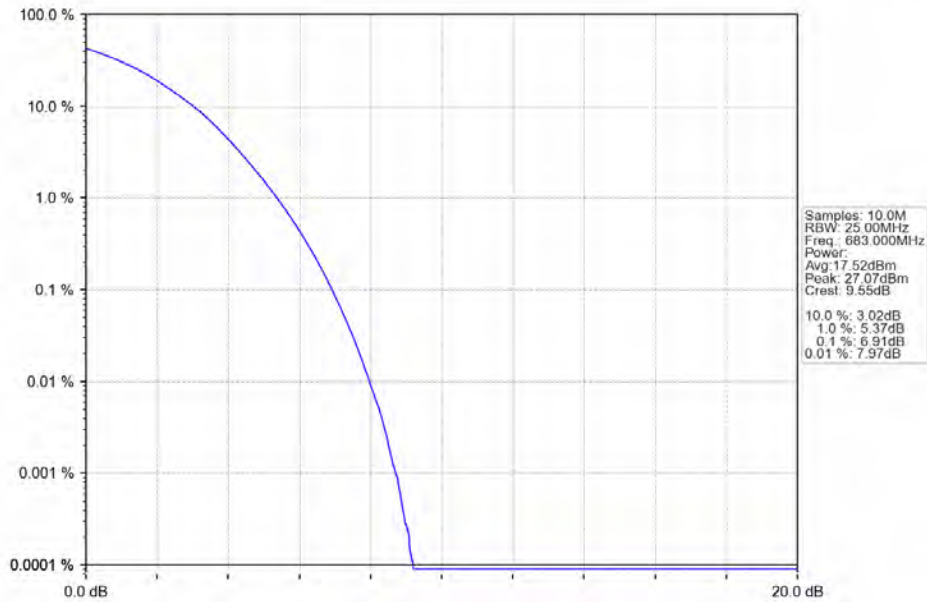
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Band71_20MHz_256QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_256QAM_HCH_688MHz_RB_100_0_NTNV



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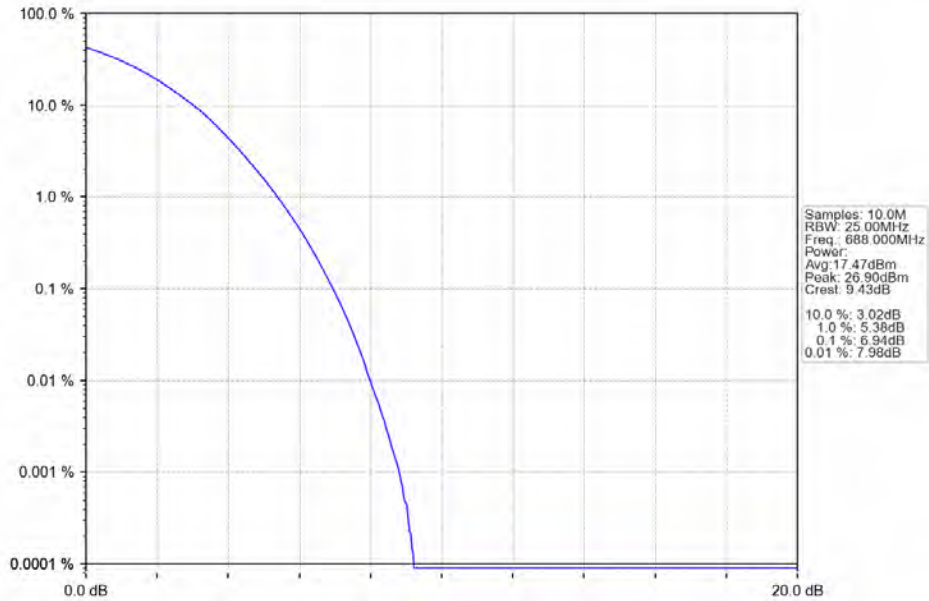
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Report No.: SUCR240400008901

Rev.: 01

Page: 166 of 198



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Report No.: SUCR240400008901

Rev.: 01

Page: 167 of 198

6. Spurious Emission & Band Edges

6.1 B71_5MHz

6.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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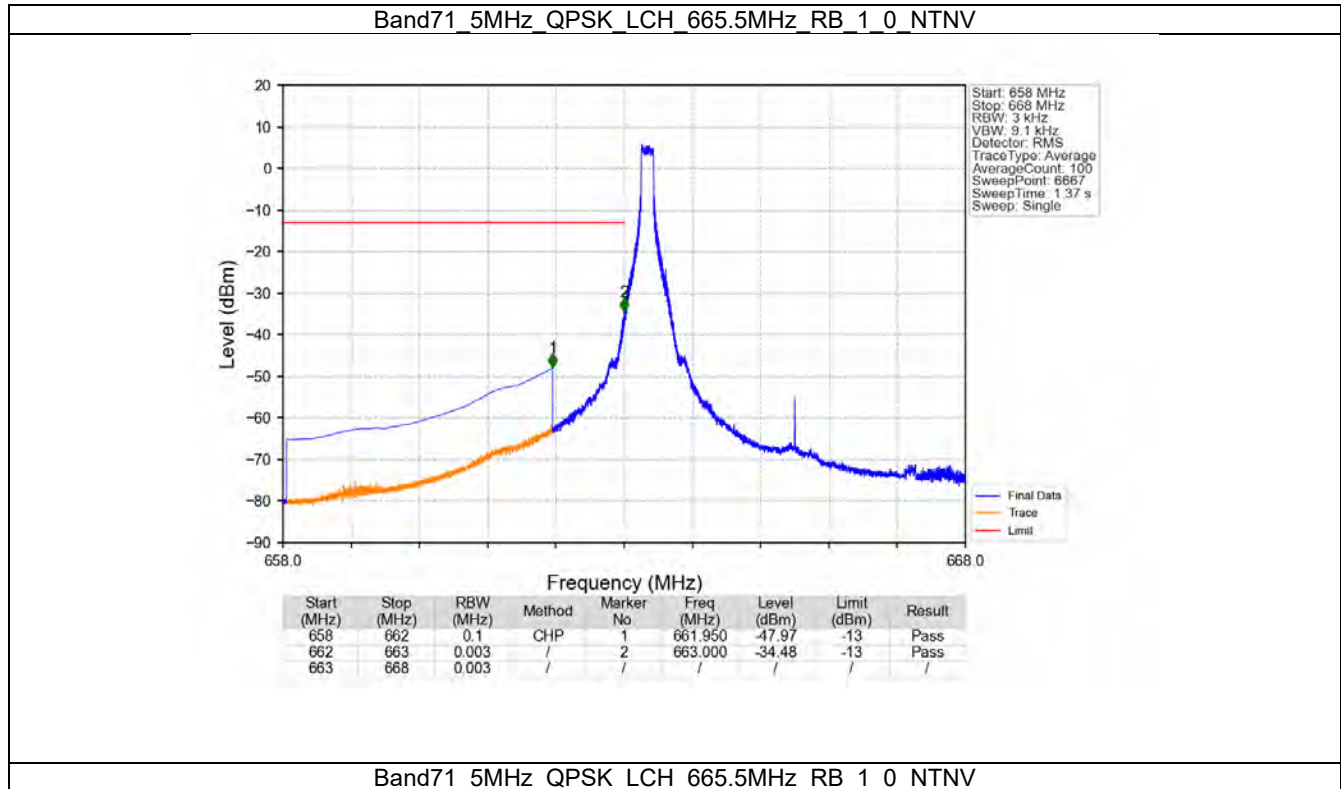
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6.1.2 Test Graph



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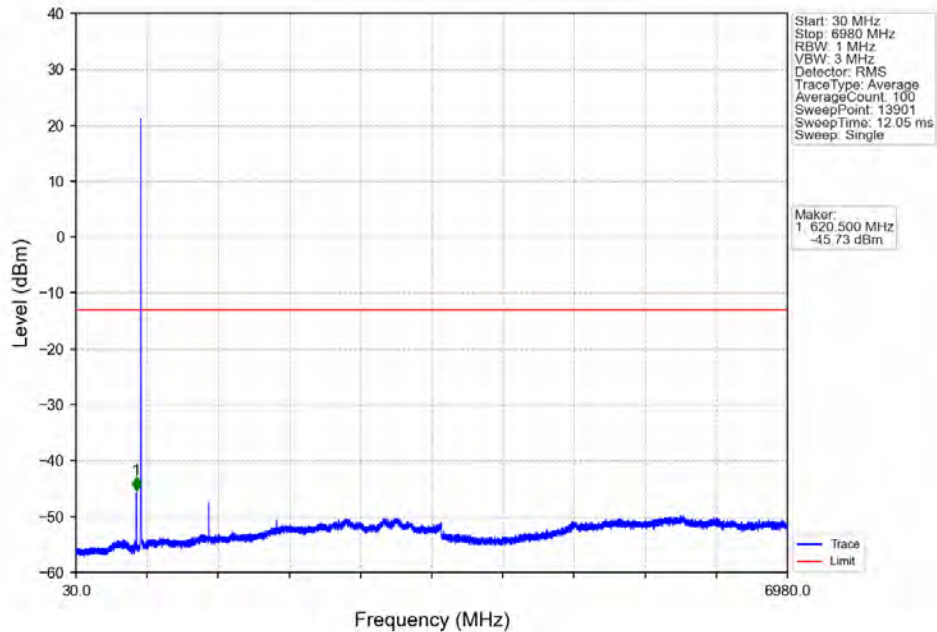
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Page: 169 of 198



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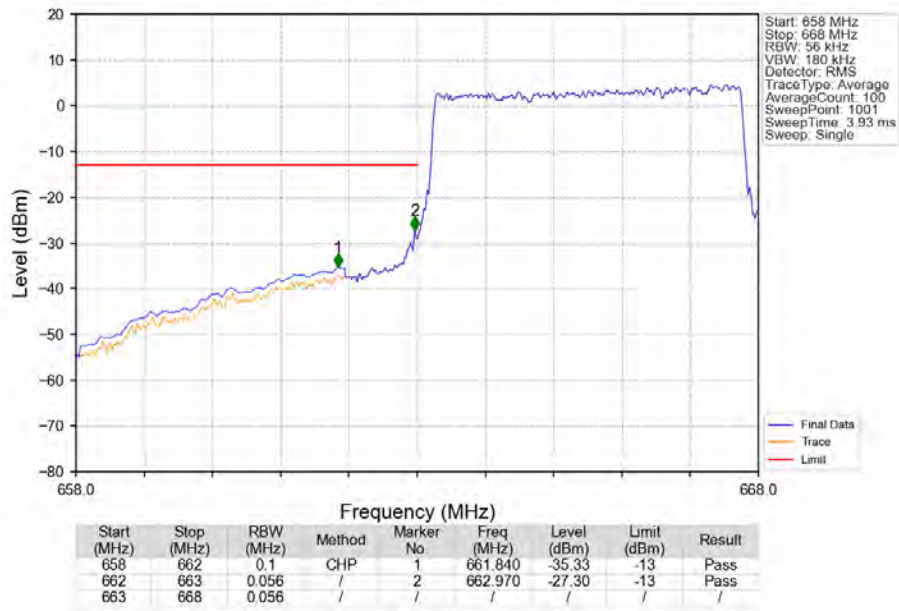
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Page: 170 of 198

Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



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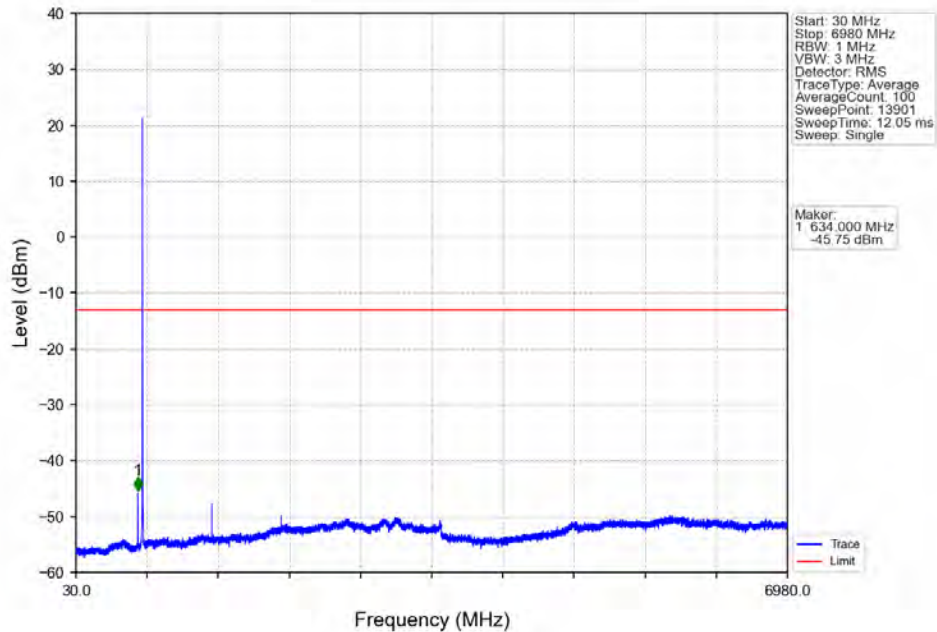
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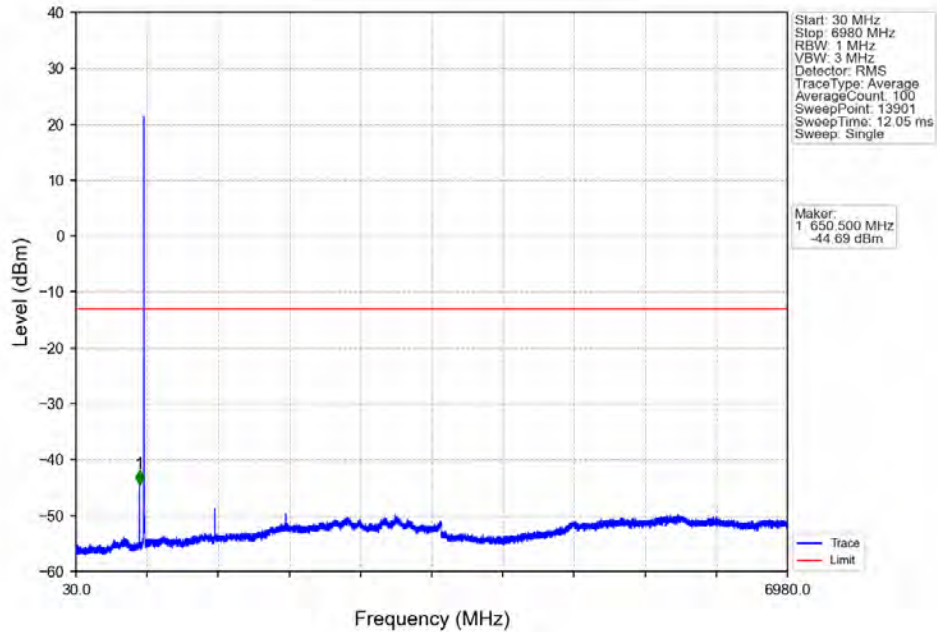
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Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



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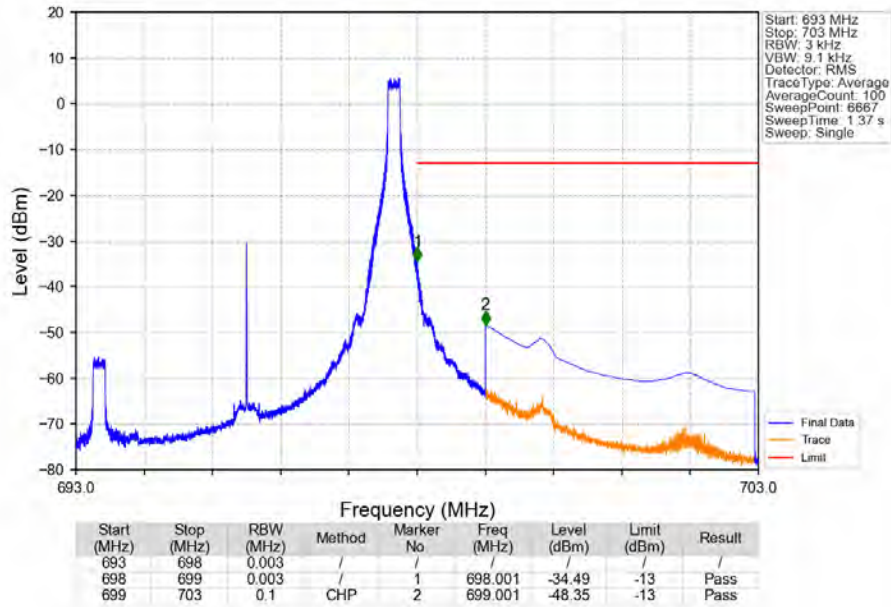
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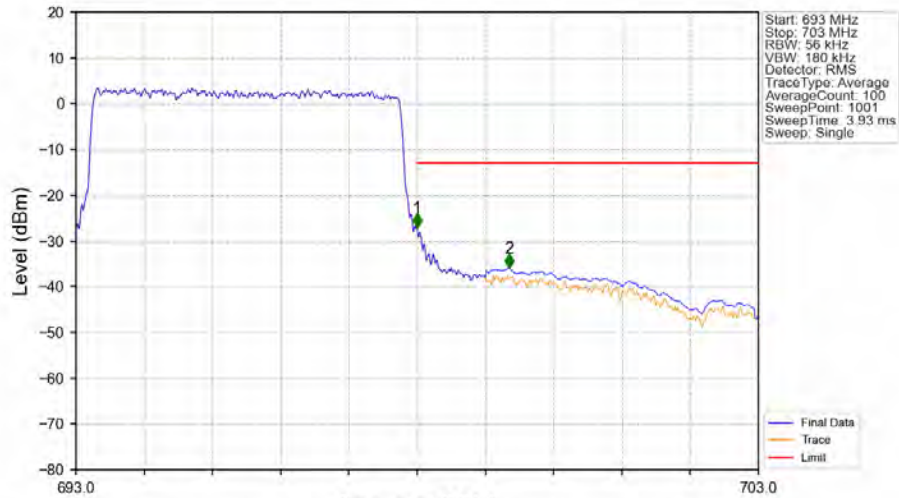
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Rev.: 01

Page: 174 of 198

Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.056	/	1	698.000	-27.12	-13	Pass
698	699	0.056	/	2	699.350	-35.97	-13	Pass
699	703	0.1	CHP					



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Rev.: 01

Page: 175 of 198

6.2 B71_10MHz

6.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	668	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	680.5	1	0	Refer To Test Graph	Pass
	693	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass



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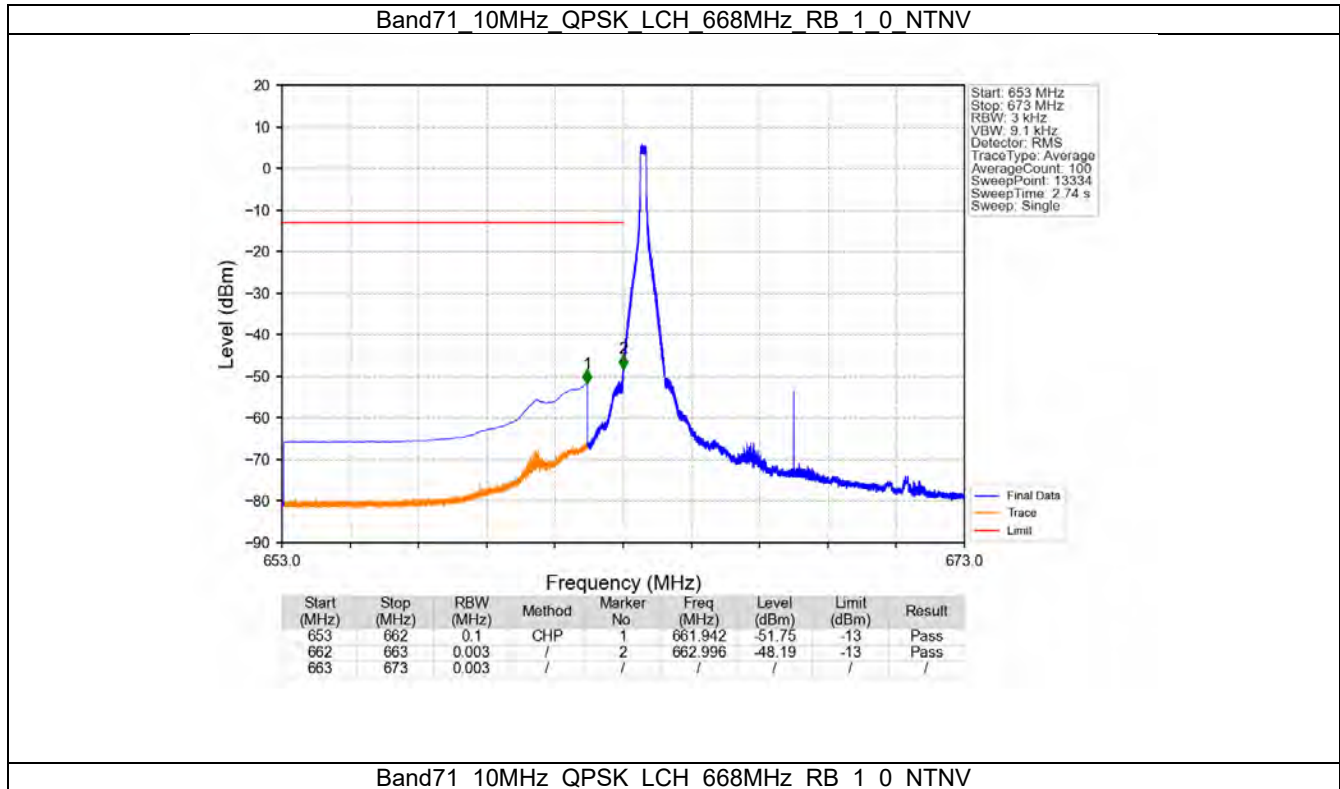
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6.2.2 Test Graph



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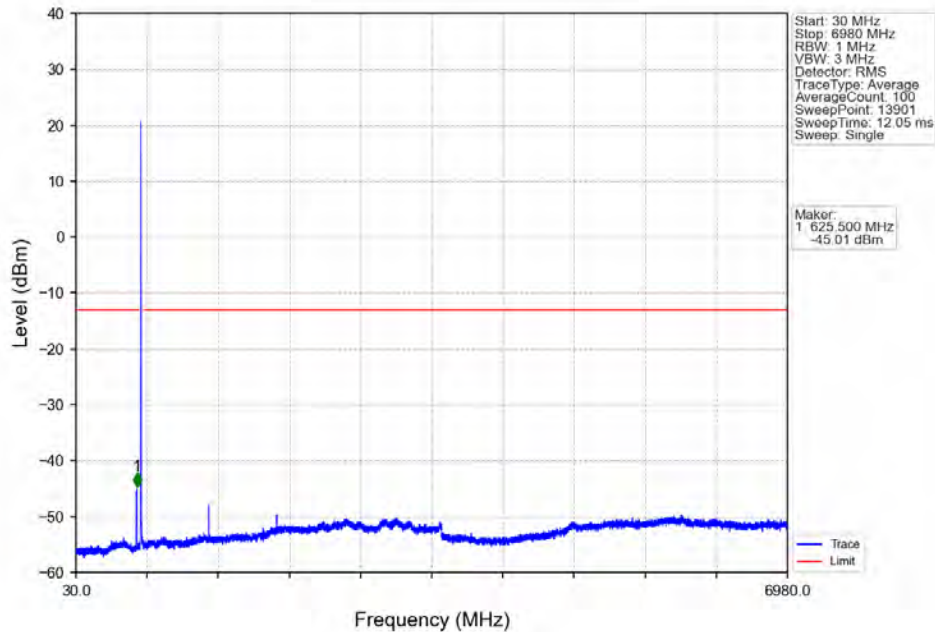
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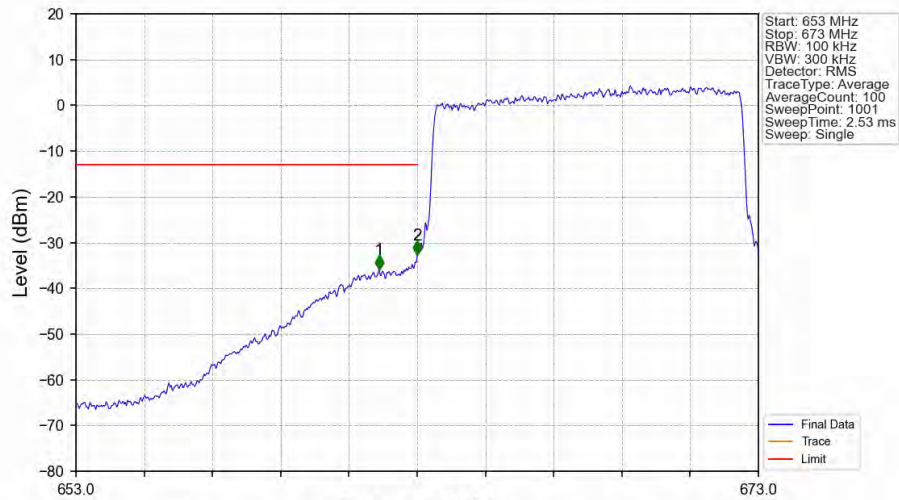
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Rev.: 01

Page: 178 of 198

Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.880	-35.98	-13	Pass
662	663	0.102	/	2	663.000	-32.71	-13	Pass
663	673	0.102	/	/	/	/	/	/

Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



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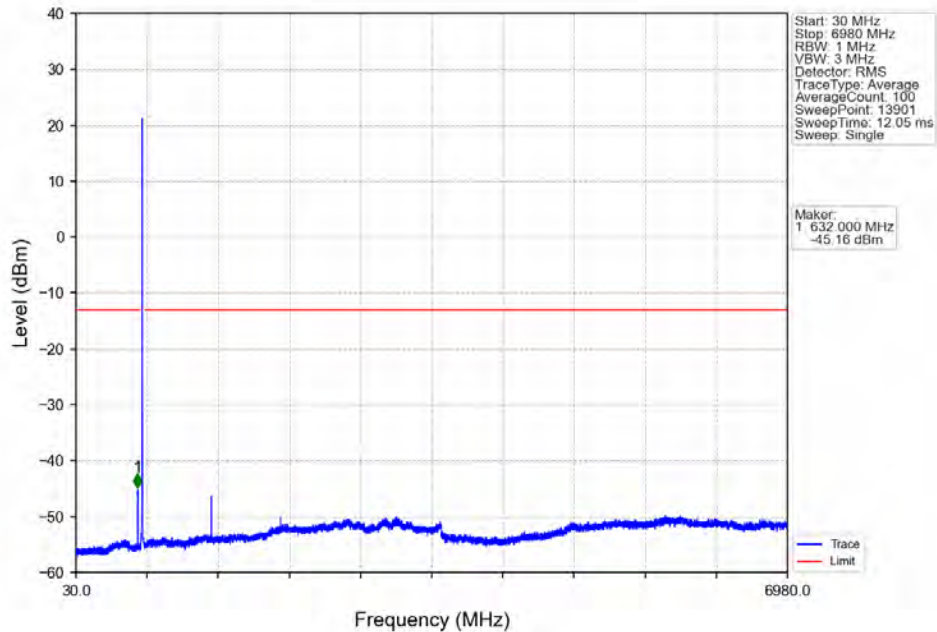
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Report No.: SUCR240400008901

Rev.: 01

Page: 179 of 198



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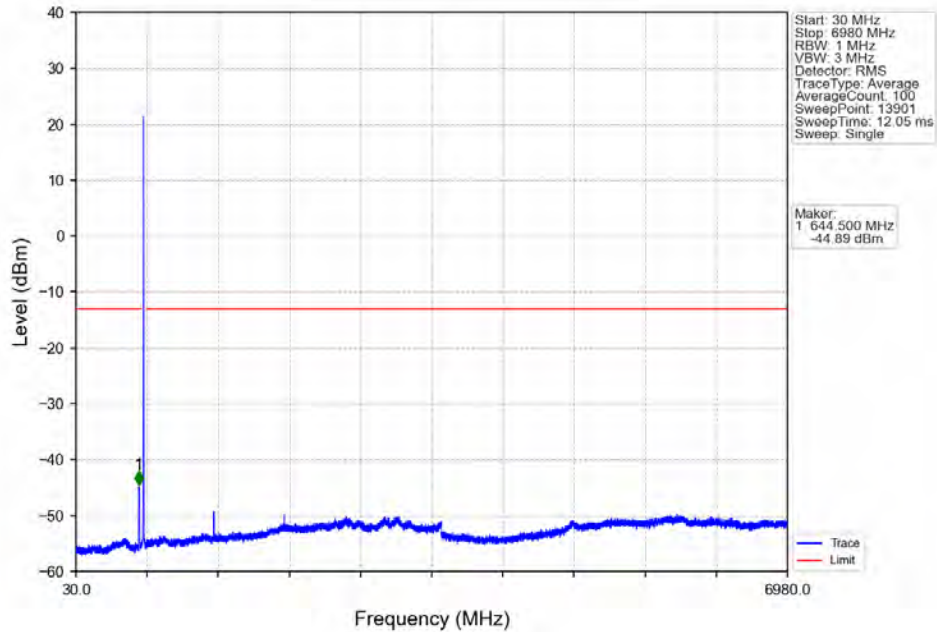
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Rev.: 01

Page: 180 of 198

Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



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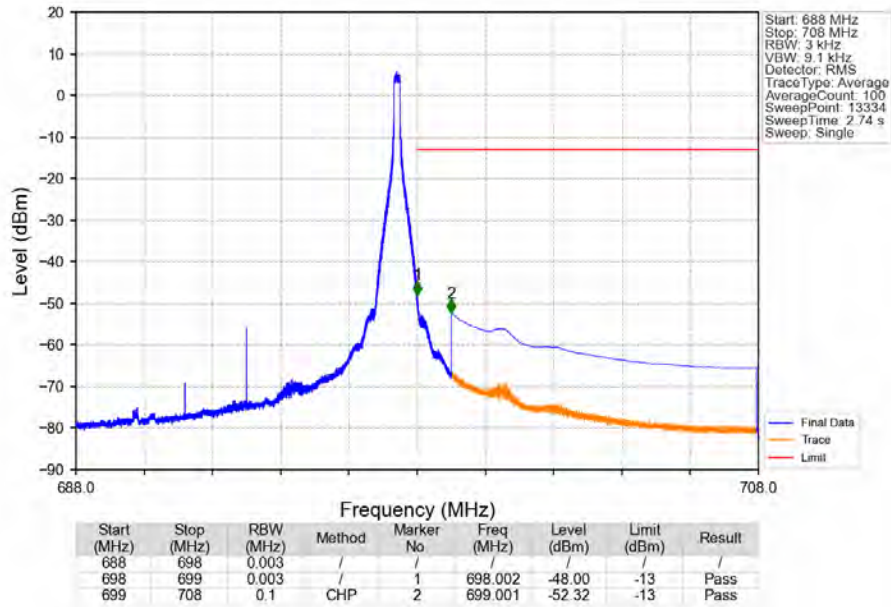
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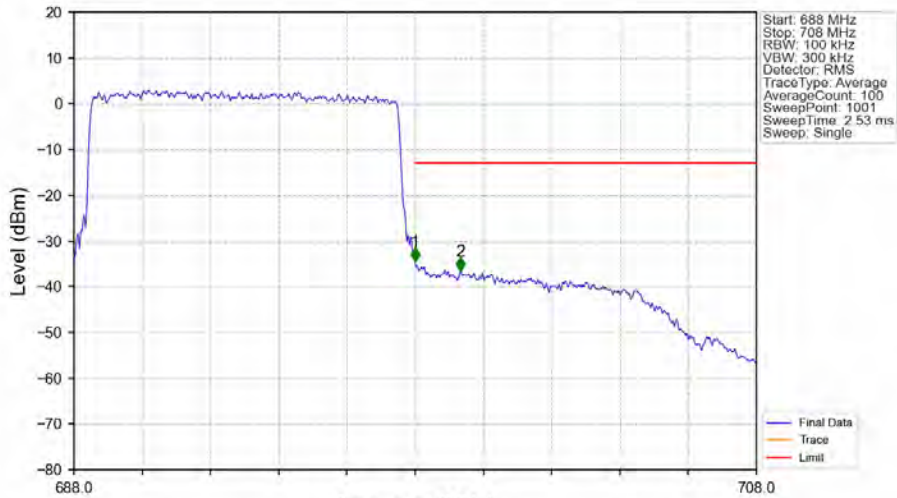
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Rev.: 01

Page: 182 of 198

Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.102	/	1	698.000	-34.53	-13	Pass
698	708	0.1	/	2	699.320	-36.58	-13	Pass



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Report No.: SUCR240400008901

Rev.: 01

Page: 183 of 198

6.3 B71_15MHz

6.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	690.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



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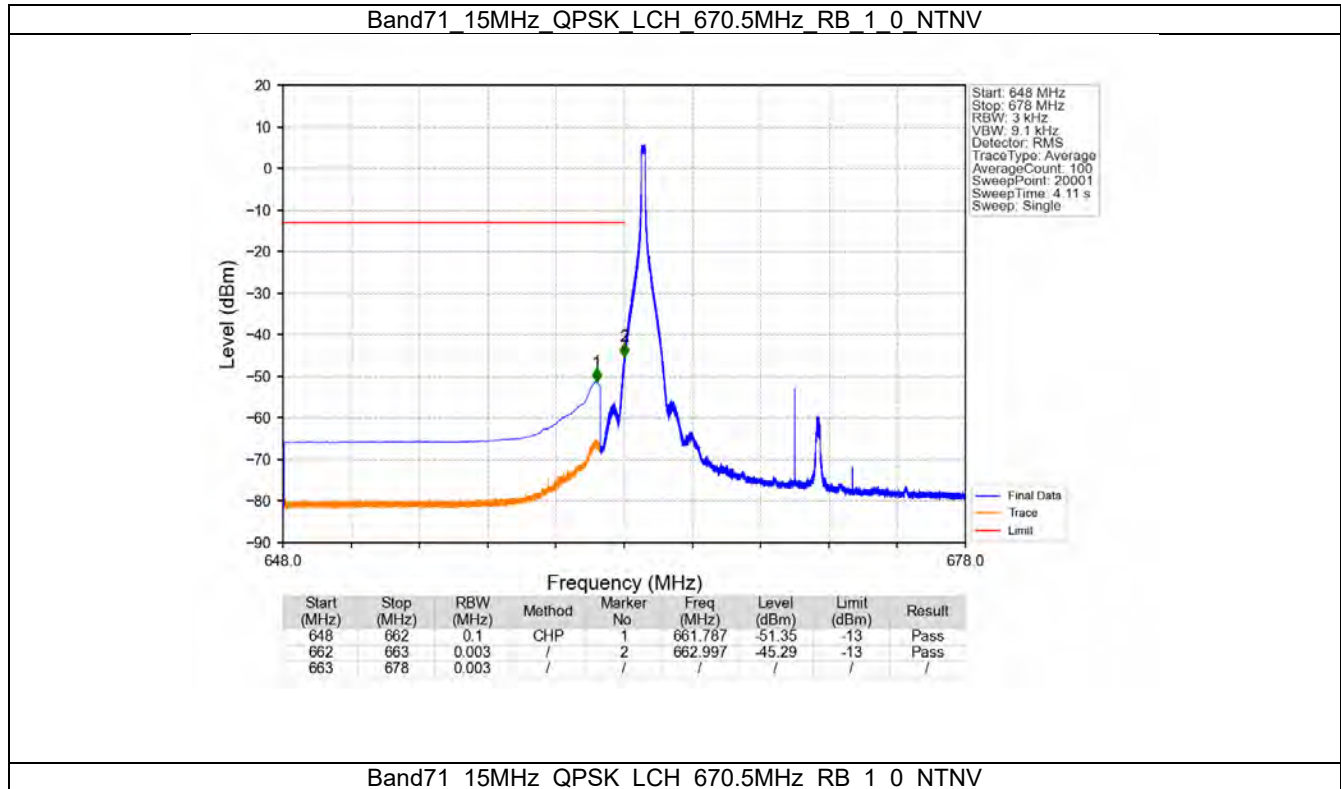
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6.3.2 Test Graph



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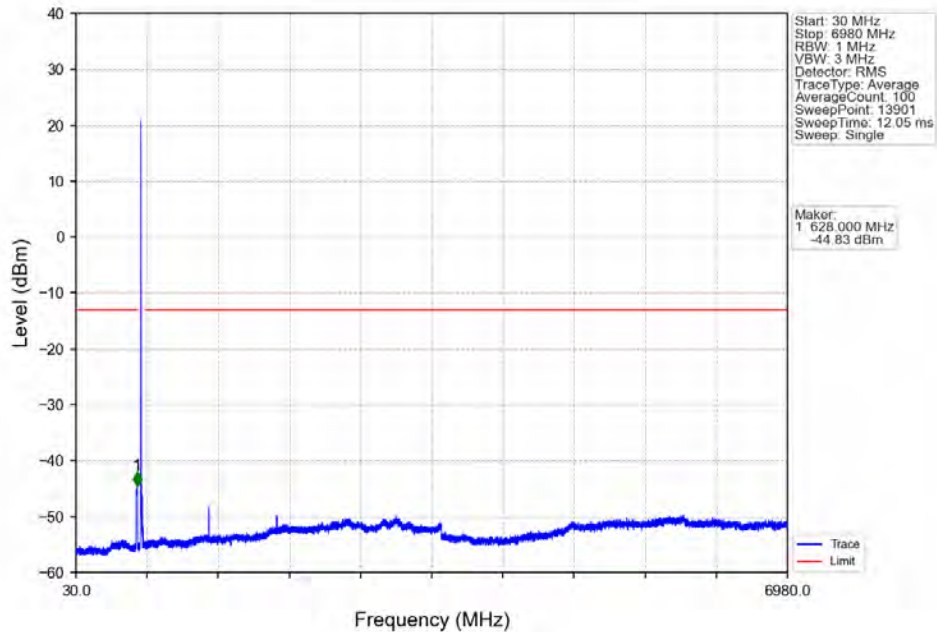
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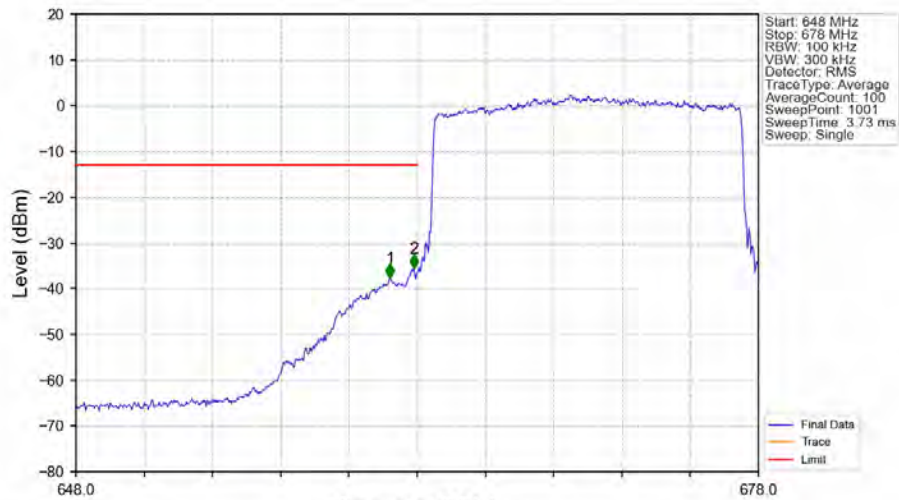
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Report No.: SUCR240400008901

Rev.: 01

Page: 186 of 198

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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.800	-37.66	-13	Pass
662	663	0.151	/	2	662.850	-35.60	-13	Pass
663	678	0.151	/	/	/	/	/	/

Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



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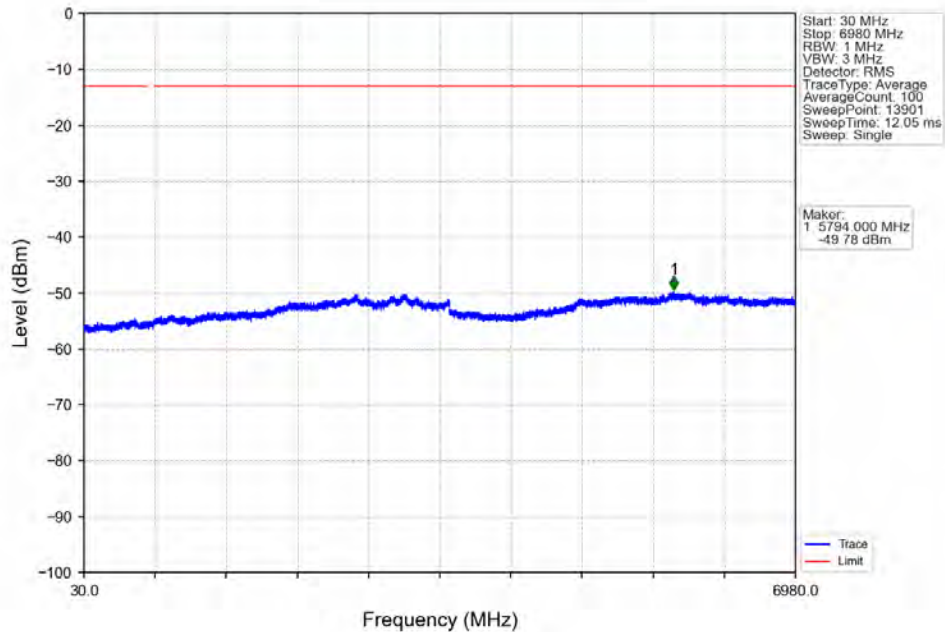
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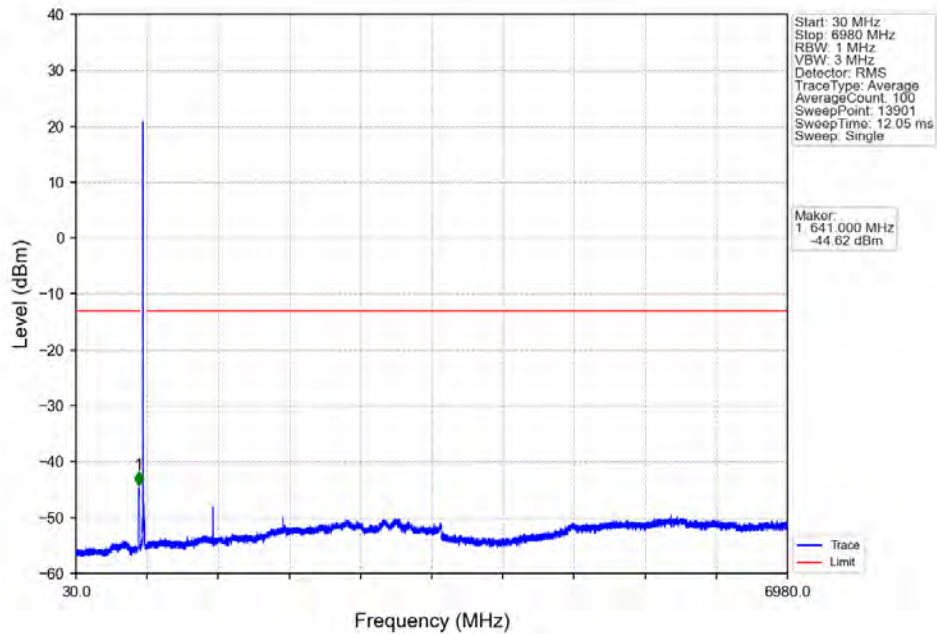
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Rev.: 01

Page: 188 of 198

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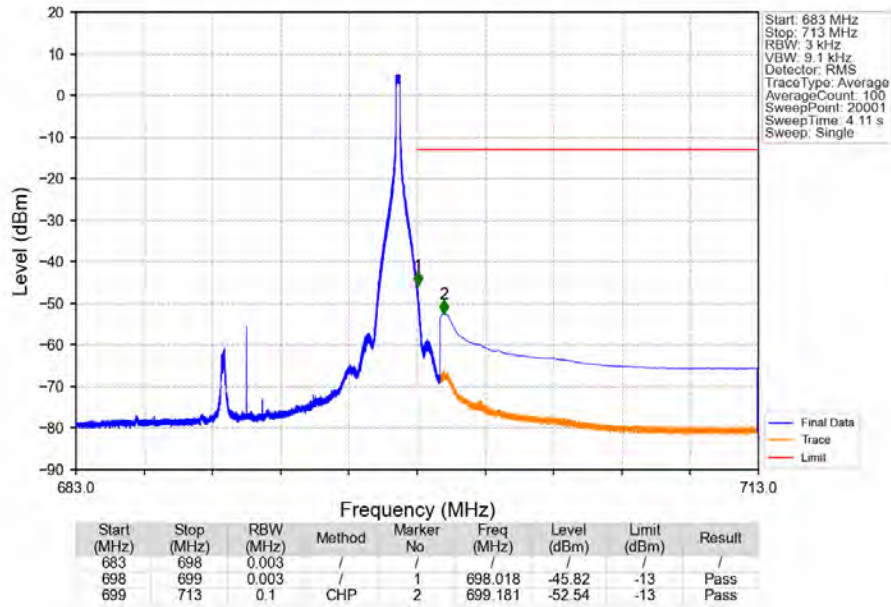
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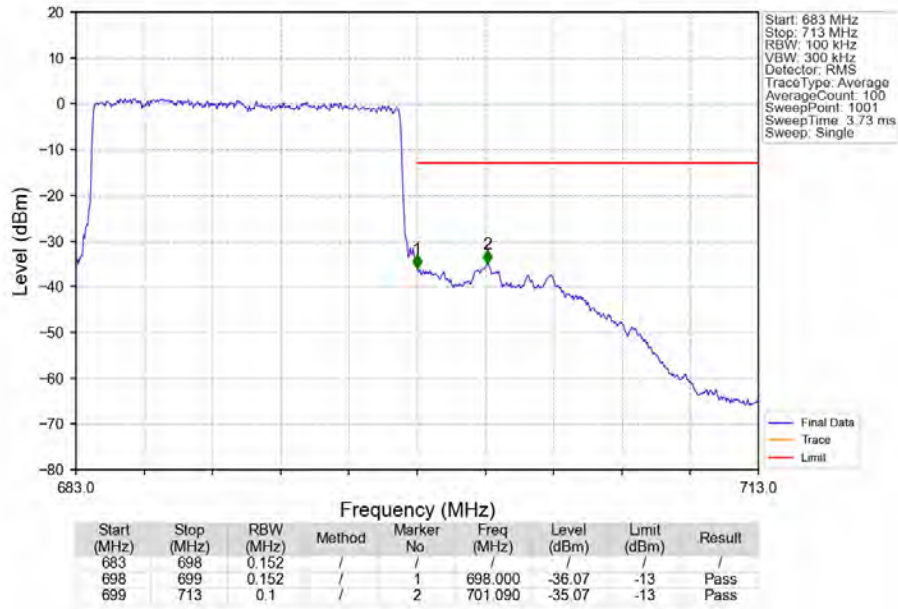
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Rev.: 01

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Report No.: SUCR240400008901

Rev.: 01

Page: 191 of 198

6.4 B71_20MHz

6.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	673	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	683	1	0	Refer To Test Graph	Pass
	688	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass



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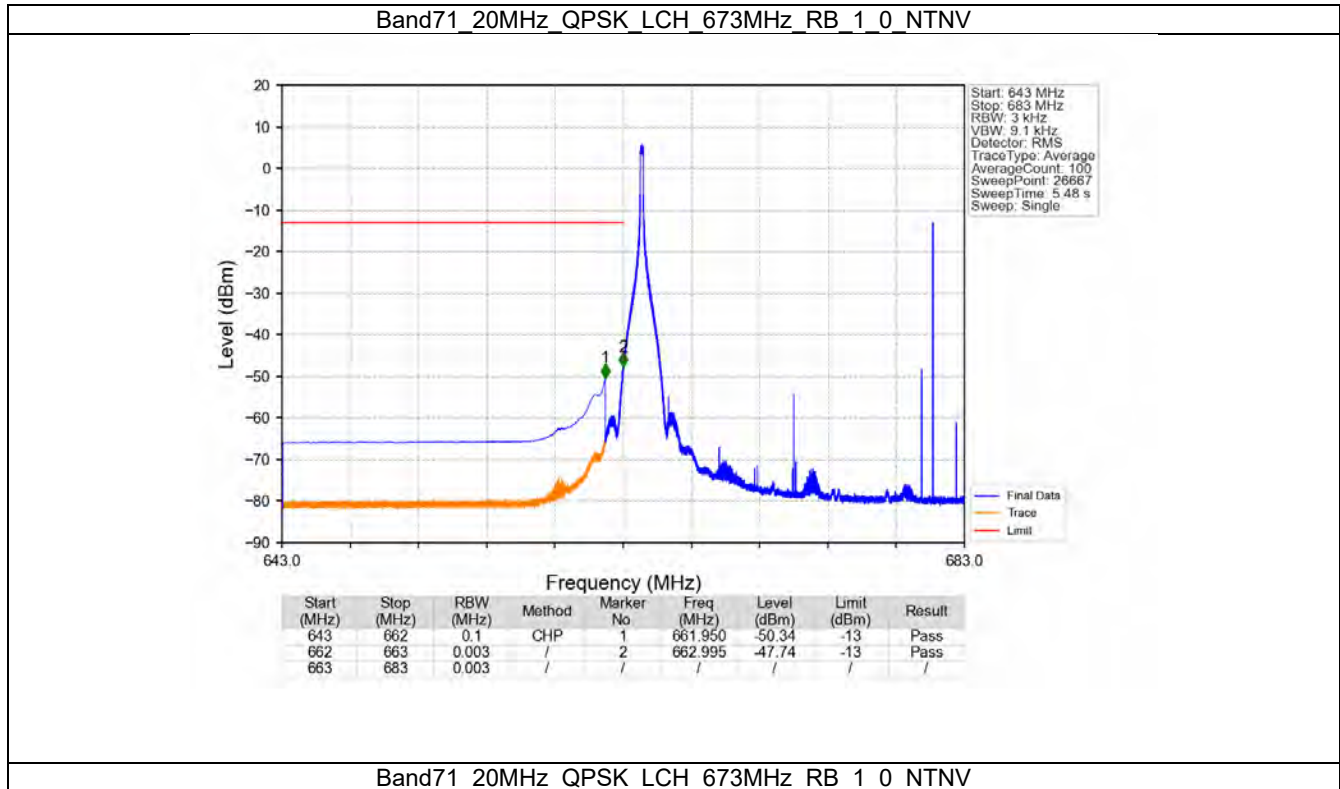
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Rev.: 01

Page: 192 of 198

6.4.2 Test Graph



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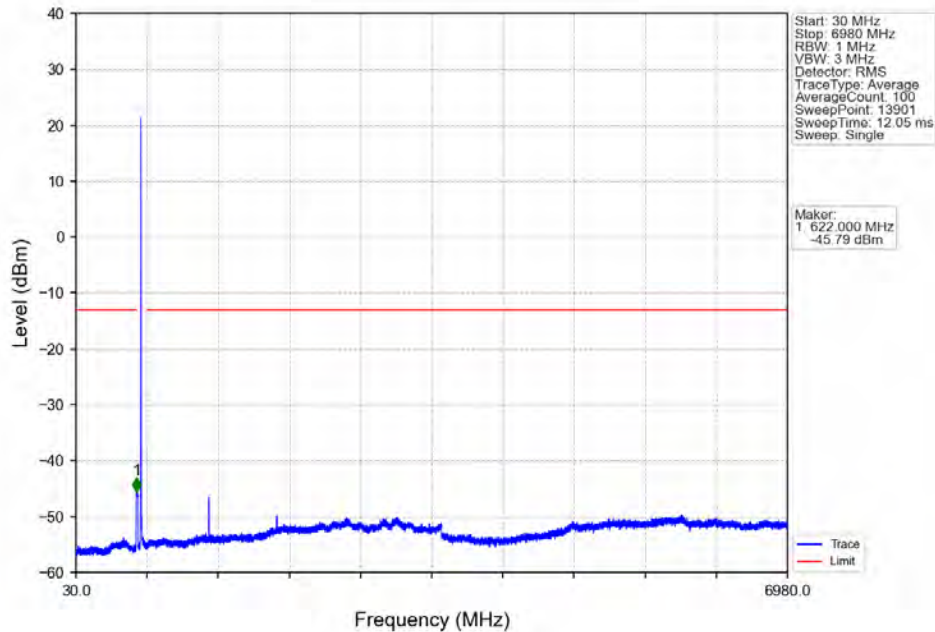
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Page: 193 of 198



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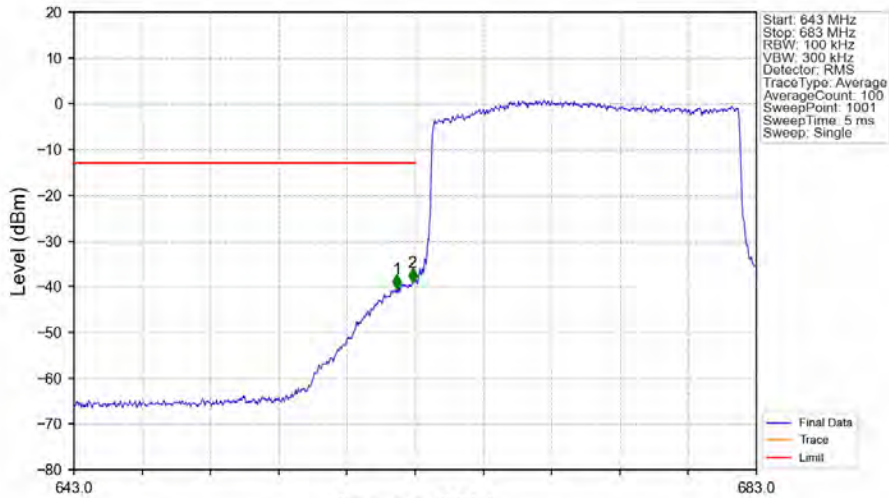
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Report No.: SUCR240400008901

Rev.: 01

Page: 194 of 198

Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.920	-40.53	-13	Pass
662	663	0.2	/	2	662.840	-39.08	-13	Pass
663	683	0.2	/	/	/	/	/	/

Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



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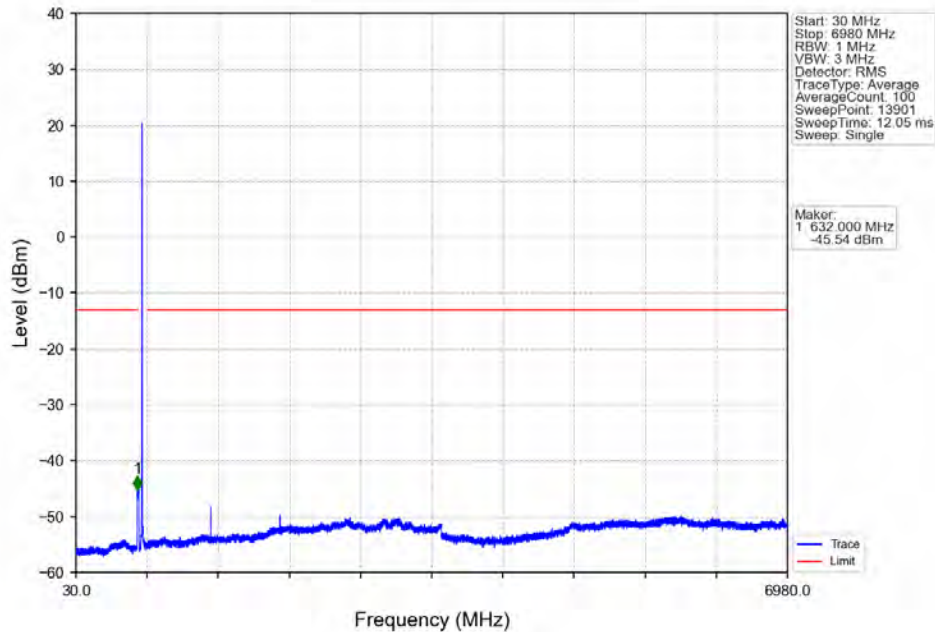
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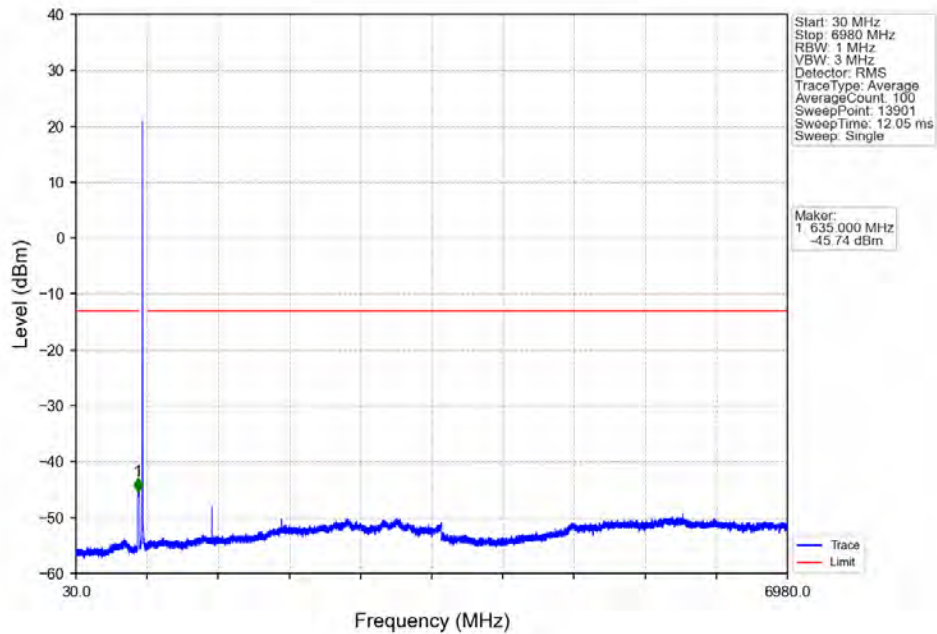
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Rev.: 01

Page: 196 of 198

Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



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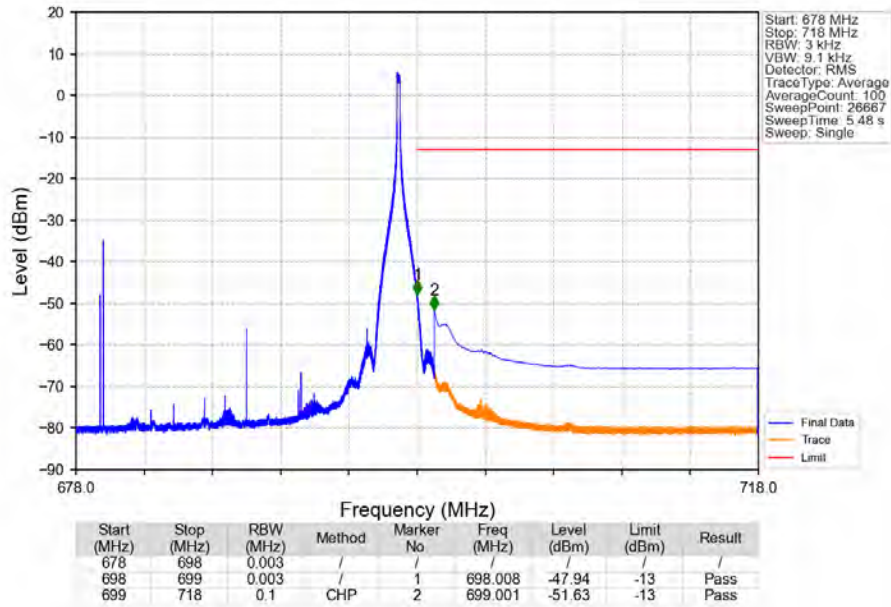
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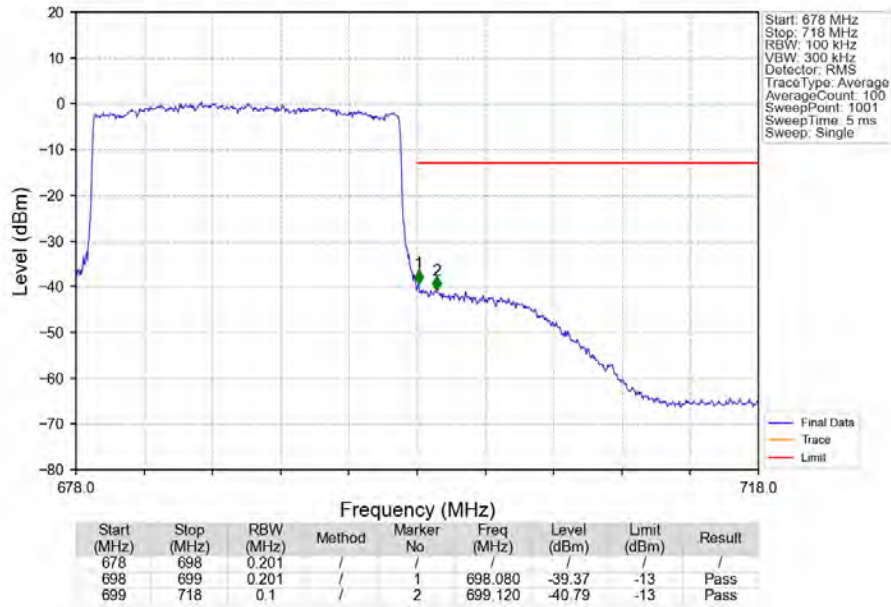
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