

Report No.: SEWM2309000395RG01

Rev.: 01

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Appendix B.9

LTE Band 17



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Effective (Isotropic) Radiated Power Output Data for

SEWM2307000261RG01

Test Result

Ant1:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.49	15.64	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.40	15.55	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.42	15.57	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.46	14.61	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.58	14.73	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.55	14.70	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.51	14.66	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.64	13.79	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.60	13.75	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.62	13.77	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.58	13.73	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.62	12.77	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#0	18.90	11.05	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#12	18.76	10.91	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#24	19.00	11.15	34.77	PASS
Band17	5MHz	256QAM	23755	25RB#0	18.97	11.12	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.44	15.59	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.42	15.57	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.41	15.56	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.41	14.56	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.56	14.71	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.49	14.64	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.53	14.68	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.64	13.79	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.62	13.77	34.77	PASS



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Band17	5MHz	64QAM	23790	1RB#12	21.64	13.79	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.60	13.75	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.69	12.84	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#0	18.99	11.14	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#12	18.94	11.09	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#24	18.80	10.95	34.77	PASS
Band17	5MHz	256QAM	23790	25RB#0	18.81	10.96	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.42	15.57	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.41	15.56	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.40	15.55	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.41	14.56	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.51	14.66	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.52	14.67	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.49	14.64	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.62	13.77	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.57	13.72	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	21.60	13.75	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.62	13.77	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.70	12.85	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#0	18.97	11.12	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#12	18.95	11.10	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#24	19.11	11.26	34.77	PASS
Band17	5MHz	256QAM	23825	25RB#0	19.09	11.24	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.47	15.62	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.45	15.60	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.44	15.59	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.50	14.65	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.51	14.66	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.54	14.69	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.52	14.67	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.55	13.70	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.64	13.79	34.77	PASS



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Band17	10MHz	64QAM	23780	1RB#24	21.55	13.70	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.60	13.75	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.69	12.84	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#0	18.85	11.00	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#24	18.77	10.92	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#49	19.01	11.16	34.77	PASS
Band17	10MHz	256QAM	23780	50RB#0	18.89	11.04	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.54	15.69	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.42	15.57	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.42	15.57	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.52	14.67	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.48	14.63	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.57	14.72	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.52	14.67	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.57	13.72	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.57	13.72	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	21.54	13.69	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.56	13.71	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.71	12.86	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#0	19.03	11.18	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#24	18.96	11.11	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#49	18.80	10.95	34.77	PASS
Band17	10MHz	256QAM	23790	50RB#0	18.74	10.89	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.48	15.63	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.41	15.56	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.45	15.60	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.46	14.61	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.51	14.66	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.55	14.70	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.55	14.70	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.55	13.70	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.61	13.76	34.77	PASS



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Band17	10MHz	64QAM	23800	1RB#24	21.62	13.77	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.57	13.72	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.67	12.82	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#0	19.02	11.17	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#24	18.93	11.08	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#49	19.12	11.27	34.77	PASS
Band17	10MHz	256QAM	23800	50RB#0	19.06	11.21	34.77	PASS



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Effective (Isotropic) Radiated Power Output Data for SEWM2309000395RG01

Test Result

Ant1:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band17	10MHz	QPSK	23790	1RB#0	23.41	15.56	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.34	15.49	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.32	15.47	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.37	14.52	34.77	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

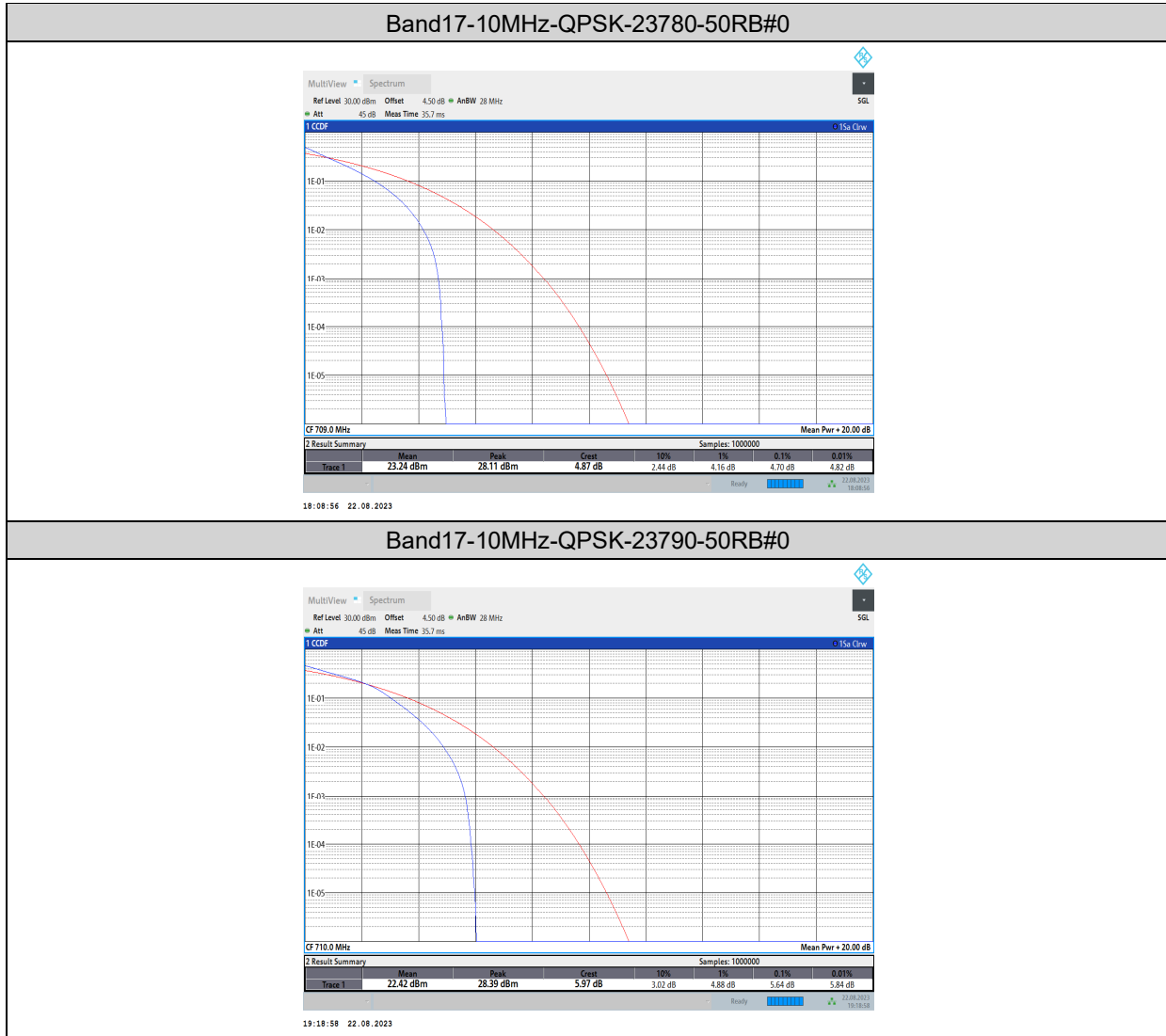
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Band17	10MHz	QPSK	23780	50RB#0	4.70	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.64	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.60	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.56	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.62	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.64	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.12	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.20	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.24	13	PASS
Band17	10MHz	256QAM	23780	50RB#0	6.68	13	PASS
Band17	10MHz	256QAM	23790	50RB#0	6.70	13	PASS
Band17	10MHz	256QAM	23800	50RB#0	6.70	13	PASS



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Test Graphs

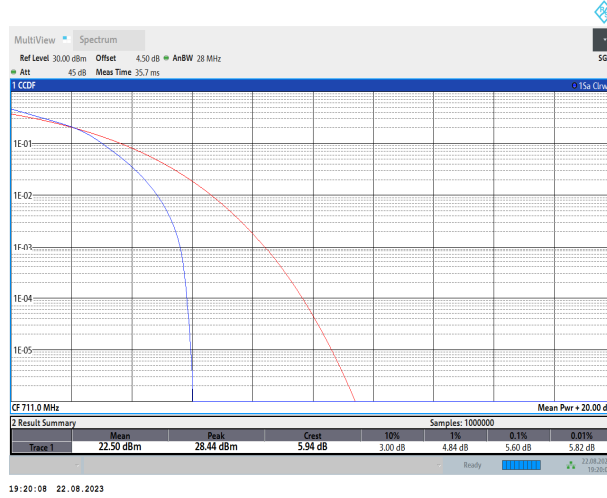


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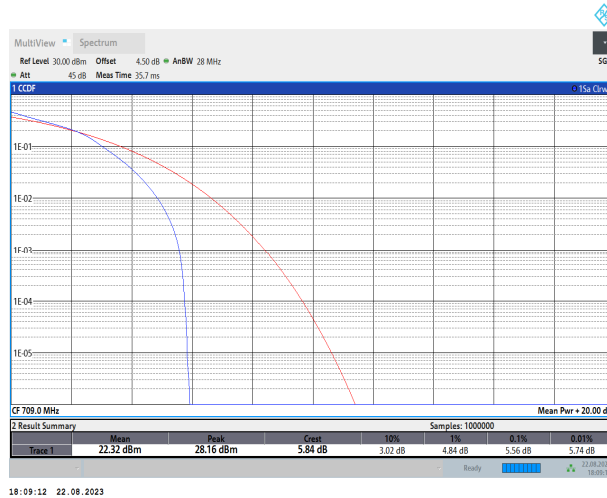
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Band17-10MHz-QPSK-23800-50RB#0



Band17-10MHz-16QAM-23780-50RB#0

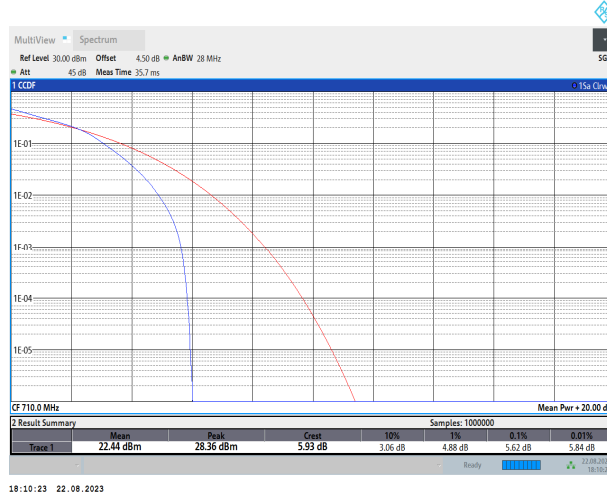


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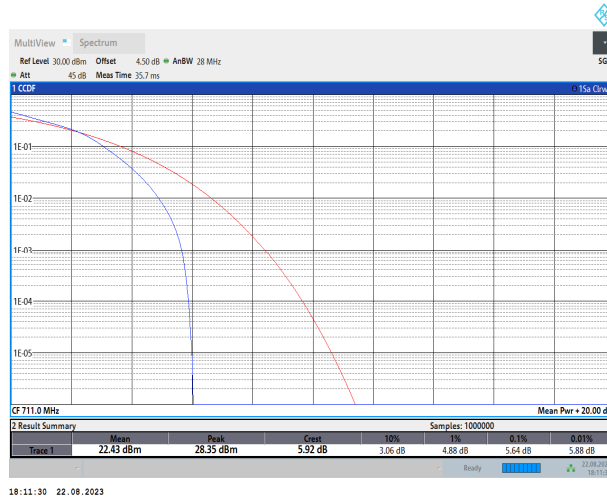
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Band17-10MHz-16QAM-23790-50RB#0



Band17-10MHz-16QAM-23800-50RB#0

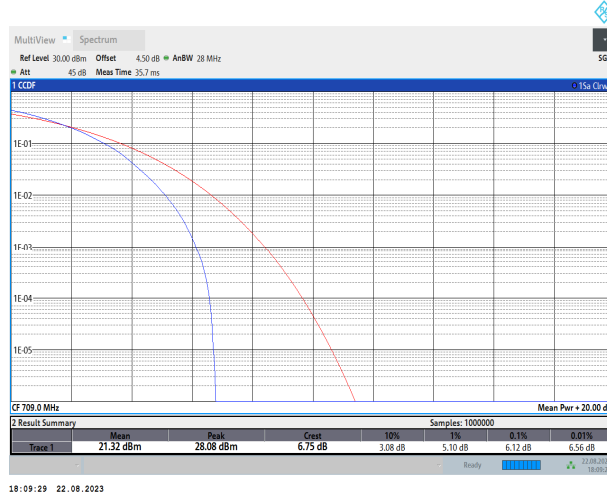


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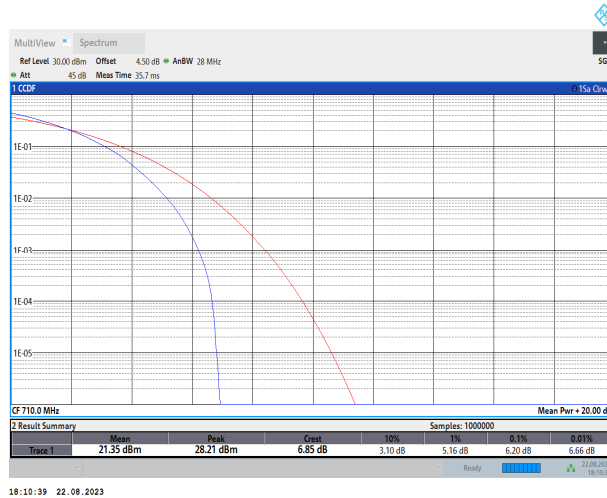
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Band17-10MHz-64QAM-23780-50RB#0



Band17-10MHz-64QAM-23790-50RB#0

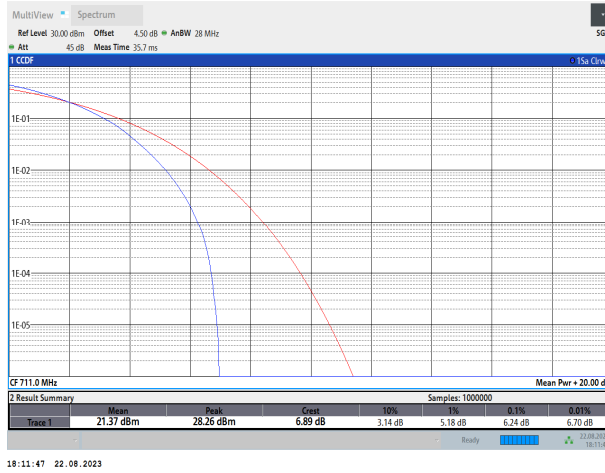


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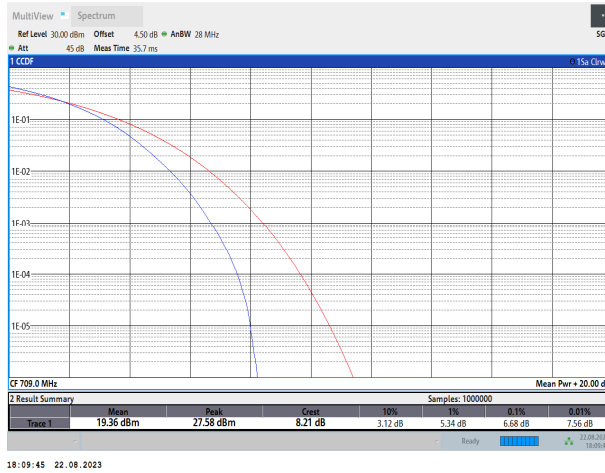
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Band17-10MHz-64QAM-23800-50RB#0



Band17-10MHz-256QAM-23780-50RB#0

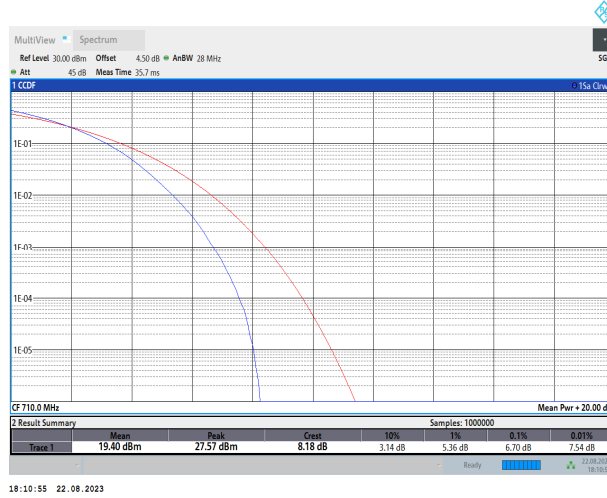


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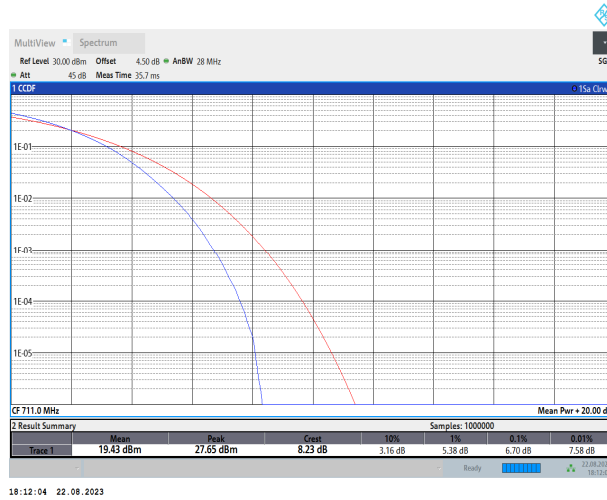
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Band17-10MHz-256QAM-23790-50RB#0



Band17-10MHz-256QAM-23800-50RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

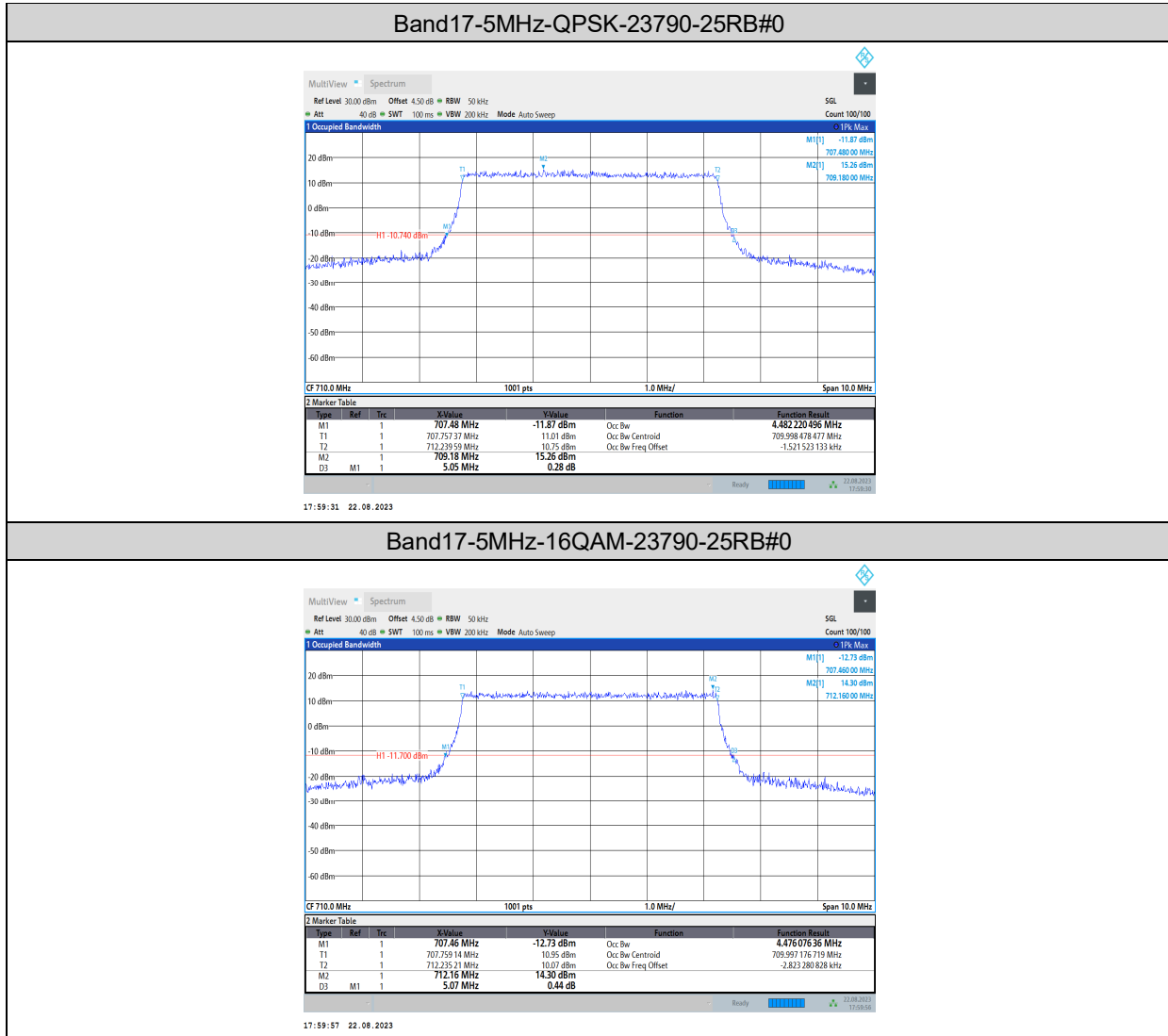
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23790	25RB#0	4.482	5.05	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.476	5.07	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.476	5.11	PASS
Band17	5MHz	256QAM	23790	25RB#0	4.477	5.03	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.927	9.83	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.934	9.97	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.937	9.93	PASS
Band17	10MHz	256QAM	23790	50RB#0	8.930	9.93	PASS



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Test Graphs

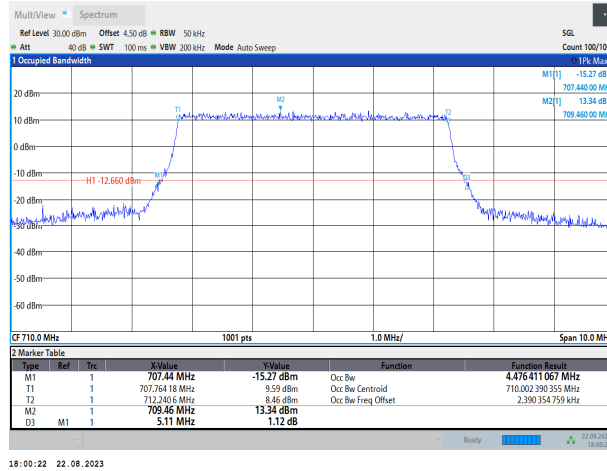


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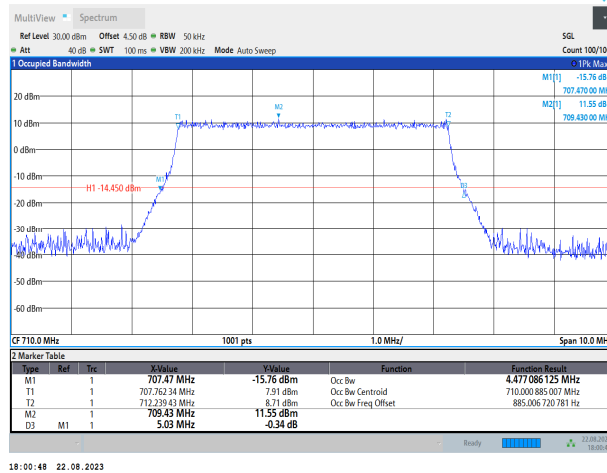
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Band17-5MHz-64QAM-23790-25RB#0



Band17-5MHz-256QAM-23790-25RB#0

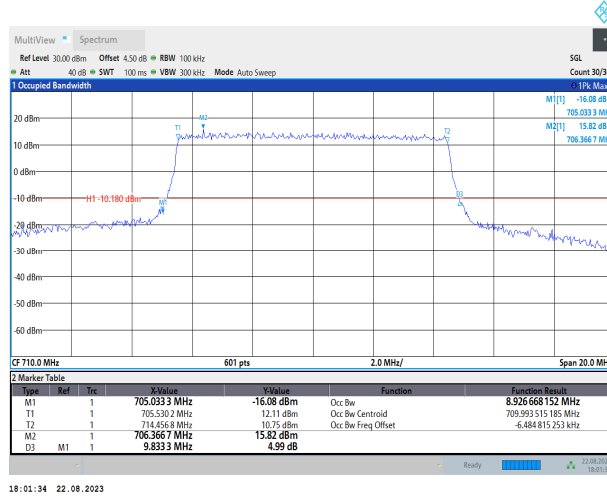


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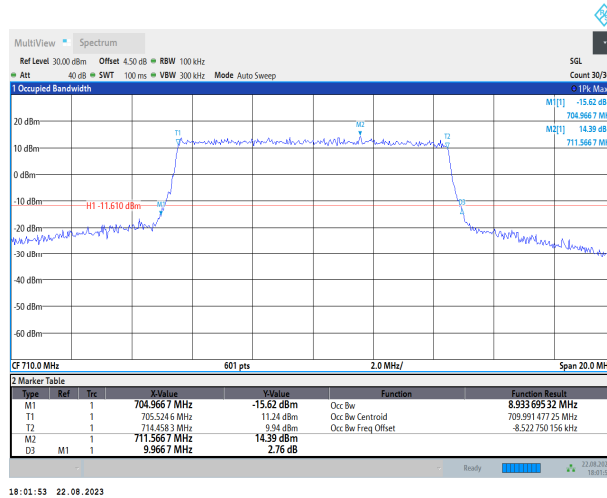
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Band17-10MHz-QPSK-23790-50RB#0



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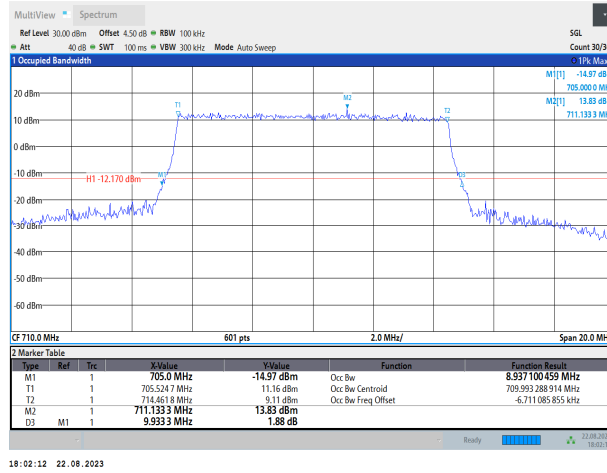


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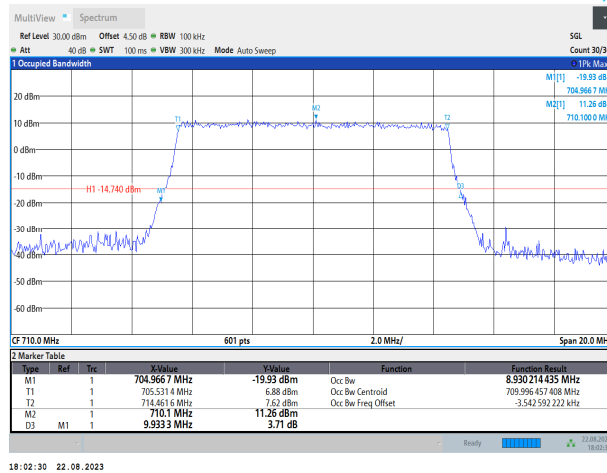
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Band17-10MHz-64QAM-23790-50RB#0



Band17-10MHz-256QAM-23790-50RB#0



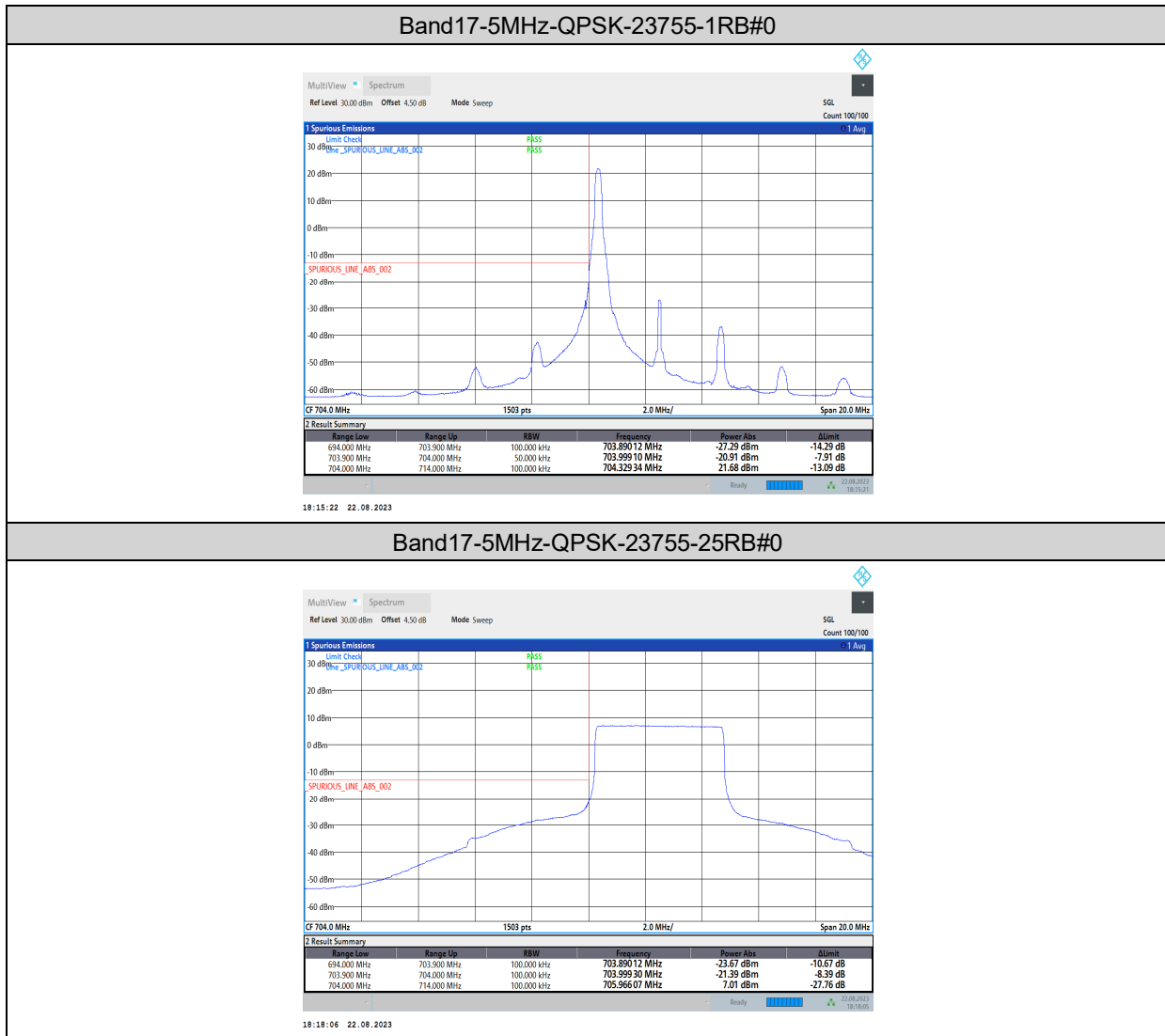
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Band Edge

Test Graphs

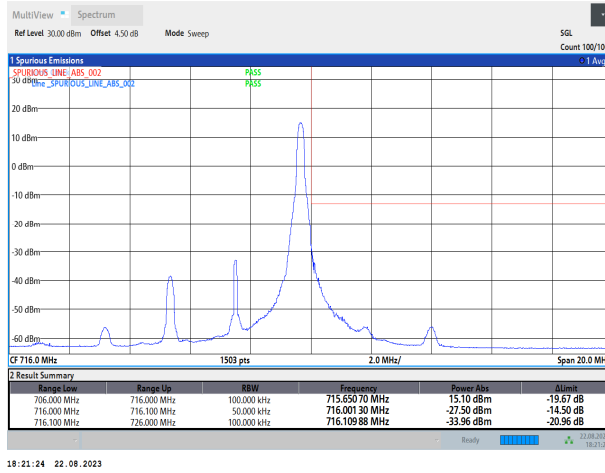


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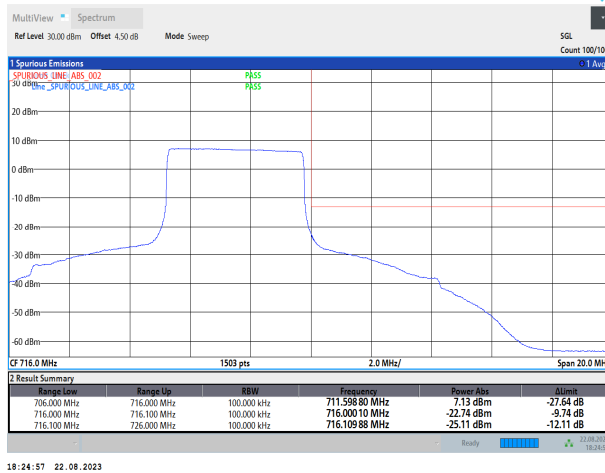
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Band17-5MHz-QPSK-23825-1RB#24



Band17-5MHz-QPSK-23825-25RB#0

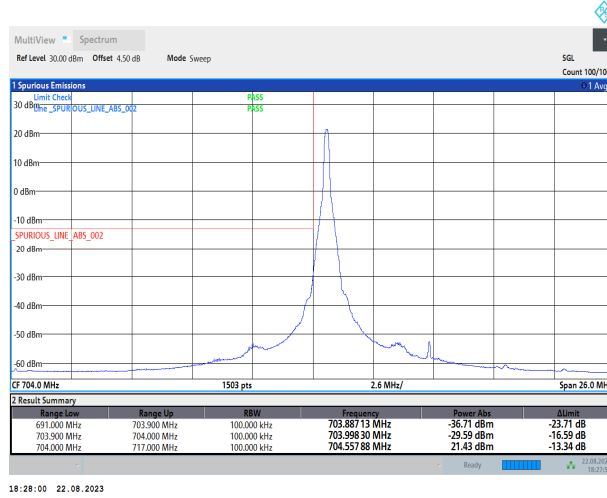


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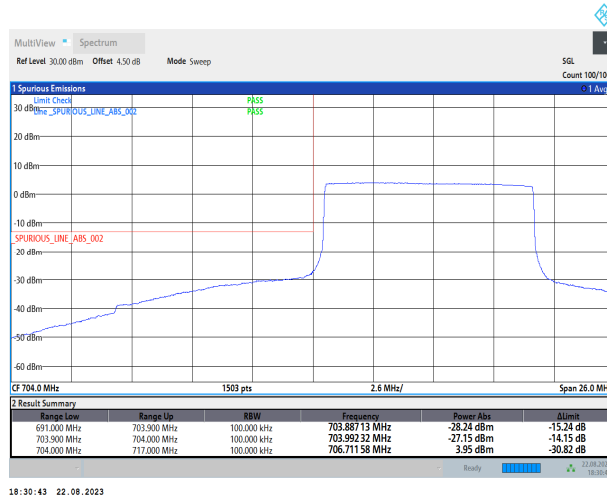
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Band17-10MHz-QPSK-23780-50RB#0

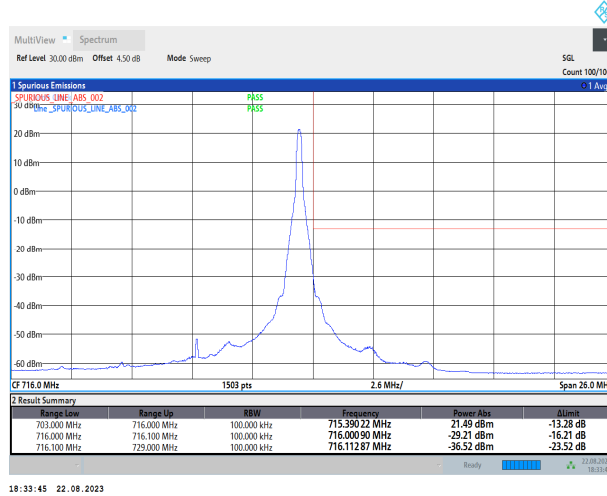


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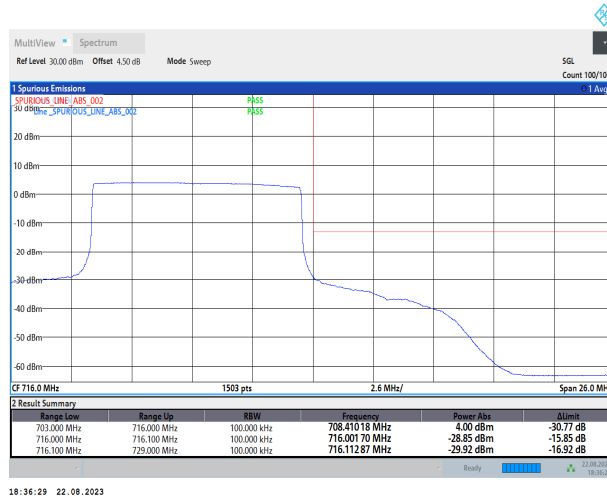
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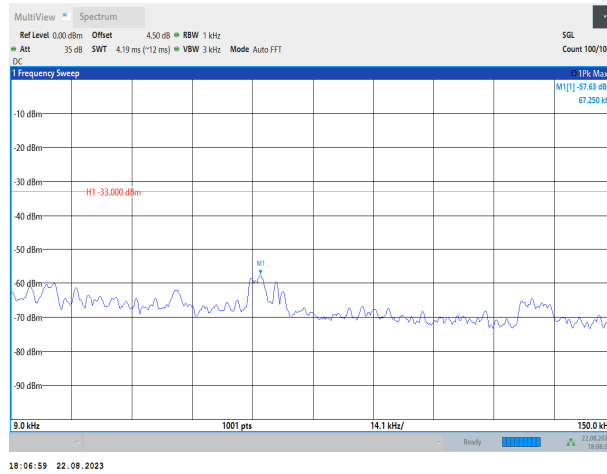
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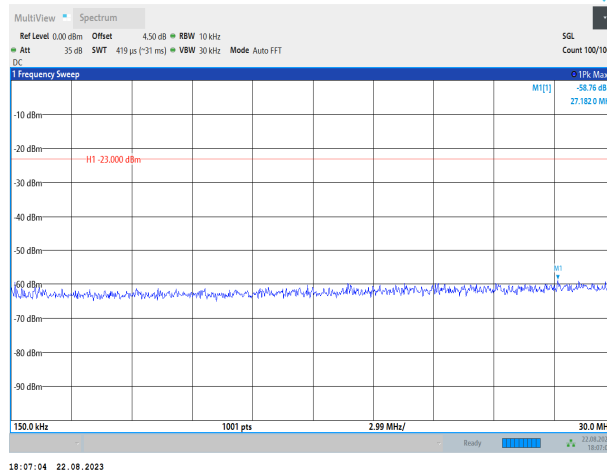
Conducted Spurious Emission

Test Graphs

Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz



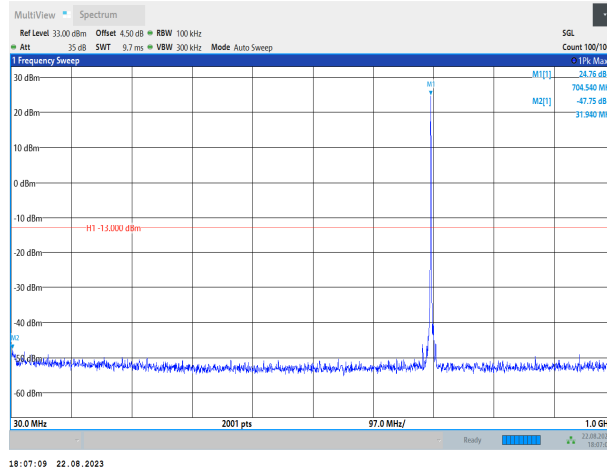
Band17-10MHz-QPSK-23780-1RB#0-Range2:0.15~30MHz



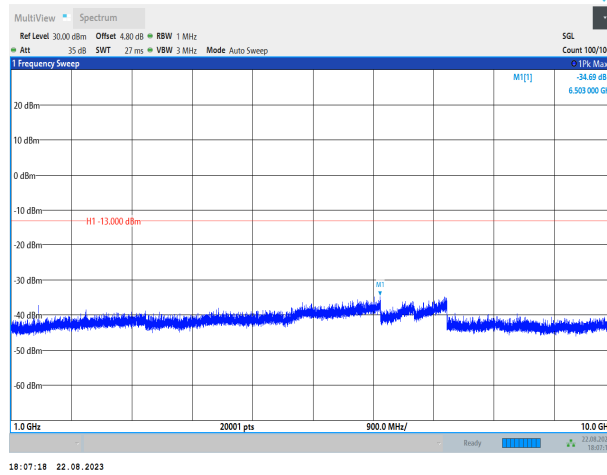
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Band17-10MHz-QPSK-23780-1RB#0-Range3:30~1000MHz



Band17-10MHz-QPSK-23780-1RB#0-Range4:1000~10000MHz

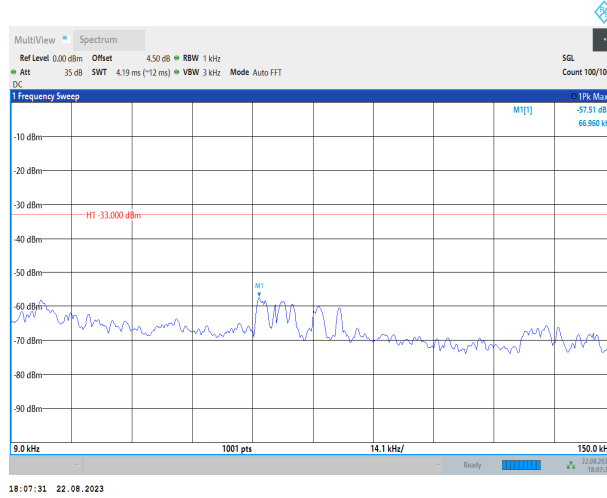


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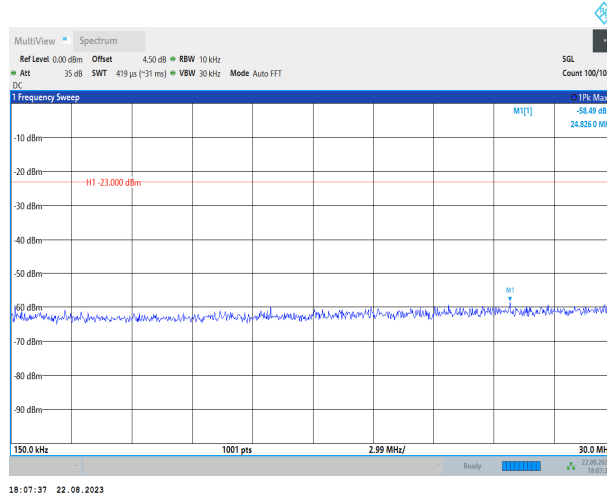
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Band17-10MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz

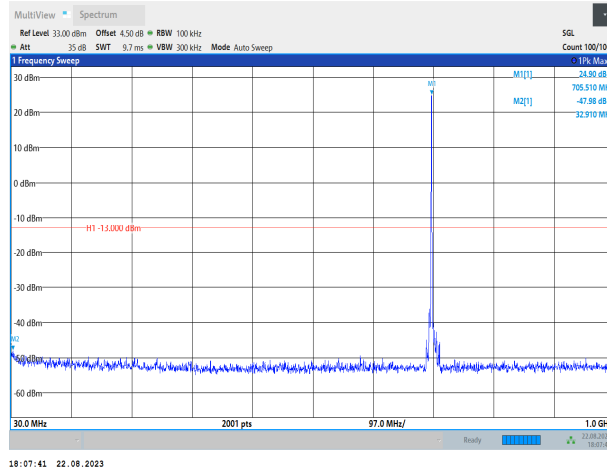


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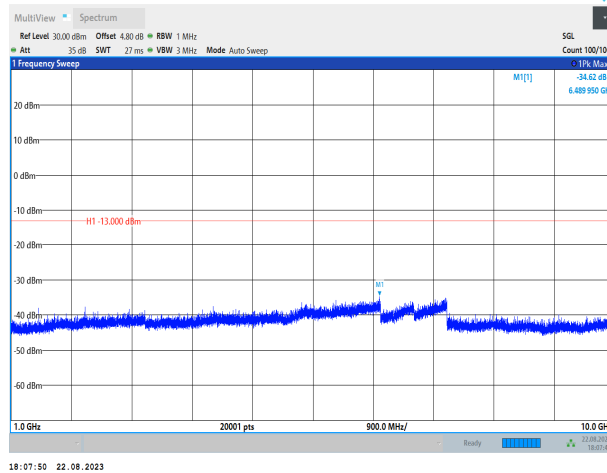
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Band17-10MHz-QPSK-23790-1RB#0-Range3:30~1000MHz



Band17-10MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz

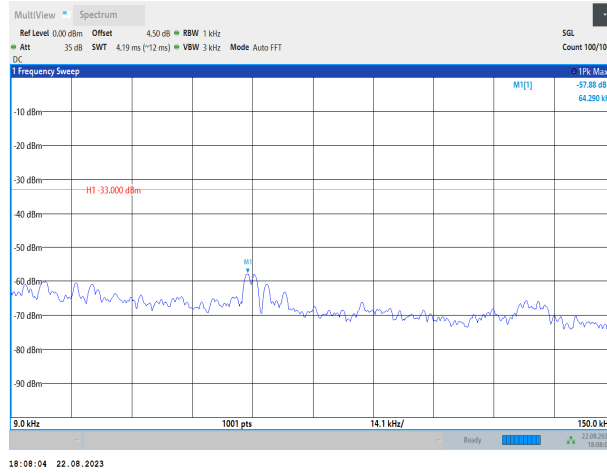


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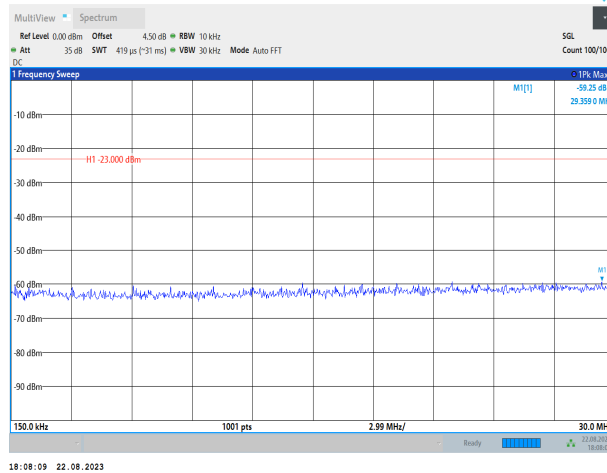
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Band17-10MHz-QPSK-23800-1RB#0-Range1:0.009~0.15MHz



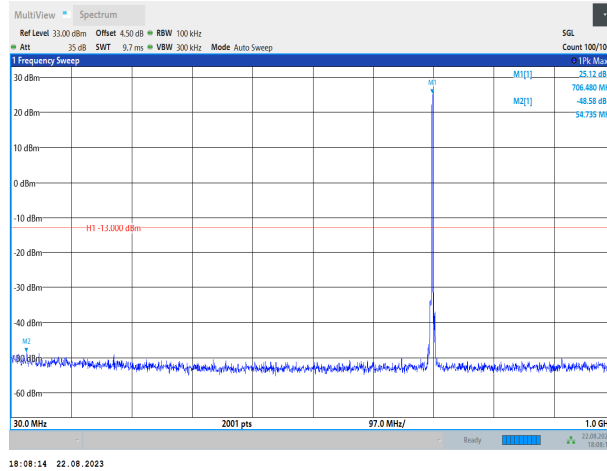
Band17-10MHz-QPSK-23800-1RB#0-Range2:0.15~30MHz



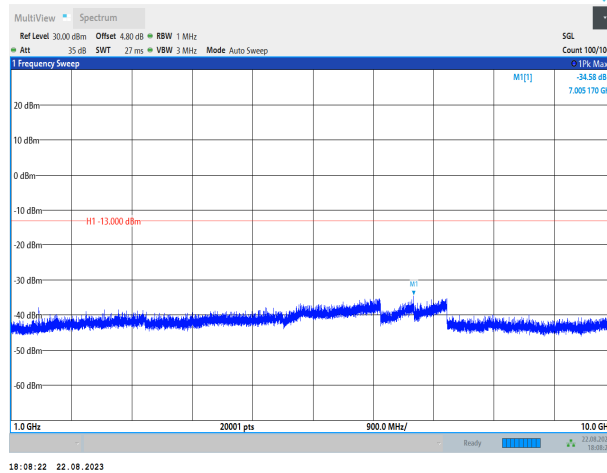
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Band17-10MHz-QPSK-23800-1RB#0-Range3:30~1000MHz



Band17-10MHz-QPSK-23800-1RB#0-Range4:1000~10000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 17_ TM1

Test Channel = Low ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.1800	44.71	-48.03	25.10	-73.48	-13.00	60.48	244	0	Horizontal
2	2113.7700	43.10	-47.71	26.22	-73.65	-13.00	60.65	135	175	Horizontal
3	2818.3600	42.89	-46.85	27.94	-71.29	-13.00	58.29	126	0	Horizontal
4	3522.9500	42.62	-46.49	28.62	-70.51	-13.00	57.51	258	227	Horizontal
5	4227.5400	41.37	-45.91	29.65	-70.15	-13.00	57.15	184	21	Horizontal
6	4932.1300	41.93	-45.65	31.25	-67.73	-13.00	54.73	176	14	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.1800	43.93	-48.03	25.10	-74.26	-13.00	61.26	236	53	Vertical
2	2113.7700	42.98	-47.71	26.22	-73.77	-13.00	60.77	251	360	Vertical
3	2818.3600	43.11	-46.85	27.94	-71.07	-13.00	58.07	145	238	Vertical
4	3522.9500	42.49	-46.49	28.62	-70.64	-13.00	57.64	223	158	Vertical
5	4227.5400	40.93	-45.91	29.65	-70.59	-13.00	57.59	261	4	Vertical
6	4932.1300	41.68	-45.65	31.25	-67.98	-13.00	54.98	156	198	Vertical



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Test Band = LTE Band 17_ TM1

Test Channel = Mid ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.1800	44.70	-48.04	25.11	-73.49	-13.00	60.49	174	188	Horizontal
2	2116.7700	43.21	-47.70	26.23	-73.53	-13.00	60.53	158	28	Horizontal
3	2822.3600	42.77	-46.84	27.95	-71.38	-13.00	58.38	186	319	Horizontal
4	3527.9500	42.10	-46.48	28.63	-71.02	-13.00	58.02	259	81	Horizontal
5	4233.5400	40.84	-45.90	29.66	-70.66	-13.00	57.66	146	227	Horizontal
6	4939.1300	41.46	-45.67	31.27	-68.20	-13.00	55.20	263	214	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.1800	44.18	-48.04	25.11	-74.01	-13.00	61.01	245	251	Vertical
2	2116.7700	43.06	-47.70	26.23	-73.68	-13.00	60.68	163	4	Vertical
3	2822.3600	42.83	-46.84	27.95	-71.32	-13.00	58.32	251	251	Vertical
4	3527.9500	42.26	-46.48	28.63	-70.86	-13.00	57.86	145	93	Vertical
5	4233.5400	40.87	-45.90	29.66	-70.63	-13.00	57.63	175	360	Vertical
6	4939.1300	41.45	-45.67	31.27	-68.21	-13.00	55.21	188	146	Vertical



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Test Band = LTE Band 17_ TM1

Test Channel = High ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	46.23	-48.04	25.11	-71.97	-13.00	58.97	244	281	Horizontal
2	2119.7700	43.29	-47.70	26.24	-73.44	-13.00	60.44	126	320	Horizontal
3	2826.3600	43.67	-46.83	27.95	-70.46	-13.00	57.46	251	202	Horizontal
4	3532.9500	42.38	-46.47	28.63	-70.72	-13.00	57.72	145	0	Horizontal
5	4239.5400	41.46	-45.89	29.68	-70.01	-13.00	57.01	302	110	Horizontal
6	4946.1300	41.53	-45.69	31.28	-68.13	-13.00	55.13	159	122	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	45.69	-48.04	25.11	-72.51	-13.00	59.51	245	212	Vertical
2	2119.7700	42.99	-47.70	26.24	-73.74	-13.00	60.74	156	360	Vertical
3	2826.3600	43.25	-46.83	27.95	-70.88	-13.00	57.88	263	359	Vertical
4	3532.9500	42.00	-46.47	28.63	-71.10	-13.00	58.10	256	360	Vertical
5	4239.5400	41.54	-45.89	29.68	-69.93	-13.00	56.93	145	132	Vertical
6	4946.1300	42.30	-45.69	31.28	-67.36	-13.00	54.36	188	64	Vertical



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Test Band = LTE Band 17_ TM1

Test Channel = Low ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.1800	43.74	-48.03	25.10	-74.45	-13.00	61.45	236	121	Horizontal
2	2113.7700	42.82	-47.71	26.22	-73.93	-13.00	60.93	251	108	Horizontal
3	2818.3600	43.39	-46.85	27.94	-70.79	-13.00	57.79	145	148	Horizontal
4	3522.9500	42.24	-46.49	28.62	-70.89	-13.00	57.89	188	227	Horizontal
5	4227.5400	40.70	-45.91	29.65	-70.82	-13.00	57.82	175	55	Horizontal
6	4932.1300	41.63	-45.65	31.25	-68.03	-13.00	55.03	163	240	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.1800	43.88	-48.03	25.10	-74.31	-13.00	61.31	177	198	Vertical
2	2113.7700	42.84	-47.71	26.22	-73.91	-13.00	60.91	150	184	Vertical
3	2818.3600	43.07	-46.85	27.94	-71.11	-13.00	58.11	144	251	Vertical
4	3522.9500	42.58	-46.49	28.62	-70.55	-13.00	57.55	123	251	Vertical
5	4227.5400	40.84	-45.91	29.65	-70.68	-13.00	57.68	256	198	Vertical
6	4932.1300	42.18	-45.65	31.25	-67.48	-13.00	54.48	218	331	Vertical



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Test Band = LTE Band 17_ TM1

Test Channel = Mid ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.1800	44.42	-48.04	25.11	-73.77	-13.00	60.77	244	55	Horizontal
2	2116.7700	43.35	-47.70	26.23	-73.39	-13.00	60.39	163	281	Horizontal
3	2822.3600	43.37	-46.84	27.95	-70.78	-13.00	57.78	251	240	Horizontal
4	3527.9500	42.27	-46.48	28.63	-70.85	-13.00	57.85	158	148	Horizontal
5	4233.5400	41.67	-45.90	29.66	-69.83	-13.00	56.83	196	188	Horizontal
6	4939.1300	41.52	-45.67	31.27	-68.14	-13.00	55.14	154	254	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.1800	43.80	-48.04	25.11	-74.39	-13.00	61.39	122	132	Vertical
2	2116.7700	42.93	-47.70	26.23	-73.81	-13.00	60.81	251	4	Vertical
3	2822.3600	42.89	-46.84	27.95	-71.26	-13.00	58.26	144	317	Vertical
4	3527.9500	42.48	-46.48	28.63	-70.64	-13.00	57.64	145	359	Vertical
5	4233.5400	41.38	-45.90	29.66	-70.12	-13.00	57.12	156	91	Vertical
6	4939.1300	42.04	-45.67	31.27	-67.62	-13.00	54.62	139	13	Vertical



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Test Band = LTE Band 17_ TM1

Test Channel = High ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	45.85	-48.04	25.11	-72.35	-13.00	59.35	222	281	Horizontal
2	2119.7700	43.10	-47.70	26.24	-73.63	-13.00	60.63	133	308	Horizontal
3	2826.3600	42.98	-46.83	27.95	-71.15	-13.00	58.15	261	109	Horizontal
4	3532.9500	43.12	-46.47	28.63	-69.98	-13.00	56.98	154	0	Horizontal
5	4239.5400	40.97	-45.89	29.68	-70.50	-13.00	57.50	188	1	Horizontal
6	4946.1300	41.26	-45.69	31.28	-68.40	-13.00	55.40	186	96	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	45.66	-48.04	25.11	-72.54	-13.00	59.54	245	158	Vertical
2	2119.7700	43.27	-47.70	26.24	-73.46	-13.00	60.46	188	91	Vertical
3	2826.3600	42.71	-46.83	27.95	-71.42	-13.00	58.42	166	360	Vertical
4	3532.9500	42.37	-46.47	28.63	-70.73	-13.00	57.73	256	317	Vertical
5	4239.5400	41.12	-45.89	29.68	-70.35	-13.00	57.35	236	224	Vertical
6	4946.1300	41.30	-45.69	31.28	-68.36	-13.00	55.36	261	3	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-3.70	-0.005211	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	3.10	0.004366	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-0.20	-0.000282	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-1.70	-0.002394	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-1.60	-0.002254	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	0.90	0.001268	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	1.50	0.002113	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-0.90	-0.001268	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-0.80	-0.001127	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-2.40	-0.003380	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	1.30	0.001831	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-0.90	-0.001268	PASS

---End of Attachment---



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