



Appendix B.46

LTE Band 43(3600-3700)



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band43	5MHz	QPSK	43615	1RB#0	21.58	17.29	23	PASS
Band43	5MHz	QPSK	43615	1RB#12	21.57	17.28	23	PASS
Band43	5MHz	QPSK	43615	1RB#24	21.52	17.23	23	PASS
Band43	5MHz	QPSK	43615	25RB#0	20.45	16.16	23	PASS
Band43	5MHz	QPSK	44090	1RB#0	20.63	16.34	23	PASS
Band43	5MHz	QPSK	44090	1RB#12	21.5	17.21	23	PASS
Band43	5MHz	QPSK	44090	1RB#24	21.5	17.21	23	PASS
Band43	5MHz	QPSK	44090	25RB#0	20.42	16.13	23	PASS
Band43	5MHz	QPSK	44565	1RB#0	17.14	12.85	23	PASS
Band43	5MHz	QPSK	44565	1RB#12	21.41	17.12	23	PASS
Band43	5MHz	QPSK	44565	1RB#24	21.54	17.25	23	PASS
Band43	5MHz	QPSK	44565	25RB#0	20.41	16.12	23	PASS
Band43	5MHz	16QAM	43615	1RB#0	20.64	16.35	23	PASS
Band43	5MHz	16QAM	43615	1RB#12	20.54	16.25	23	PASS
Band43	5MHz	16QAM	43615	1RB#24	20.55	16.26	23	PASS
Band43	5MHz	16QAM	43615	25RB#0	19.34	15.05	23	PASS
Band43	5MHz	16QAM	44090	1RB#0	20.51	16.22	23	PASS
Band43	5MHz	16QAM	44090	1RB#12	20.54	16.25	23	PASS
Band43	5MHz	16QAM	44090	1RB#24	20.57	16.28	23	PASS
Band43	5MHz	16QAM	44090	25RB#0	19.38	15.09	23	PASS
Band43	5MHz	16QAM	44565	1RB#0	20.51	16.22	23	PASS
Band43	5MHz	16QAM	44565	1RB#12	20.53	16.24	23	PASS
Band43	5MHz	16QAM	44565	1RB#24	20.57	16.28	23	PASS
Band43	5MHz	16QAM	44565	25RB#0	19.35	15.06	23	PASS
Band43	5MHz	64QAM	43615	1RB#0	19.19	14.9	23	PASS
Band43	5MHz	64QAM	43615	1RB#12	19.1	14.81	23	PASS
Band43	5MHz	64QAM	43615	1RB#24	19.19	14.9	23	PASS
Band43	5MHz	64QAM	43615	25RB#0	18.61	14.32	23	PASS



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Band43	5MHz	64QAM	44090	1RB#0	19.15	14.86	23	PASS
Band43	5MHz	64QAM	44090	1RB#12	19.08	14.79	23	PASS
Band43	5MHz	64QAM	44090	1RB#24	19.15	14.86	23	PASS
Band43	5MHz	64QAM	44090	25RB#0	18.65	14.36	23	PASS
Band43	5MHz	64QAM	44565	1RB#0	19.15	14.86	23	PASS
Band43	5MHz	64QAM	44565	1RB#12	19.11	14.82	23	PASS
Band43	5MHz	64QAM	44565	1RB#24	19.2	14.91	23	PASS
Band43	5MHz	64QAM	44565	25RB#0	18.72	14.43	23	PASS
Band43	5MHz	256QAM	43615	1RB#0	16.49	12.2	23	PASS
Band43	5MHz	256QAM	43615	1RB#12	16.39	12.1	23	PASS
Band43	5MHz	256QAM	43615	1RB#24	16.44	12.15	23	PASS
Band43	5MHz	256QAM	43615	25RB#0	16.65	12.36	23	PASS
Band43	5MHz	256QAM	44090	1RB#0	16.48	12.19	23	PASS
Band43	5MHz	256QAM	44090	1RB#12	16.42	12.13	23	PASS
Band43	5MHz	256QAM	44090	1RB#24	16.49	12.2	23	PASS
Band43	5MHz	256QAM	44090	25RB#0	16.66	12.37	23	PASS
Band43	5MHz	256QAM	44565	1RB#0	16.52	12.23	23	PASS
Band43	5MHz	256QAM	44565	1RB#12	16.53	12.24	23	PASS
Band43	5MHz	256QAM	44565	1RB#24	16.55	12.26	23	PASS
Band43	5MHz	256QAM	44565	25RB#0	16.7	12.41	23	PASS
Band43	10MHz	QPSK	43640	1RB#0	21.53	17.24	23	PASS
Band43	10MHz	QPSK	43640	1RB#24	21.49	17.2	23	PASS
Band43	10MHz	QPSK	43640	1RB#49	21.43	17.14	23	PASS
Band43	10MHz	QPSK	43640	50RB#0	20.43	16.14	23	PASS
Band43	10MHz	QPSK	44090	1RB#0	17.2	12.91	23	PASS
Band43	10MHz	QPSK	44090	1RB#24	21.48	17.19	23	PASS
Band43	10MHz	QPSK	44090	1RB#49	21.55	17.26	23	PASS
Band43	10MHz	QPSK	44090	50RB#0	20.5	16.21	23	PASS
Band43	10MHz	QPSK	44540	1RB#0	21.2	16.91	23	PASS
Band43	10MHz	QPSK	44540	1RB#24	21.52	17.23	23	PASS
Band43	10MHz	QPSK	44540	1RB#49	21.57	17.28	23	PASS
Band43	10MHz	QPSK	44540	50RB#0	20.51	16.22	23	PASS
Band43	10MHz	16QAM	43640	1RB#0	20.56	16.27	23	PASS



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Band43	10MHz	16QAM	43640	1RB#24	20.53	16.24	23	PASS
Band43	10MHz	16QAM	43640	1RB#49	20.51	16.22	23	PASS
Band43	10MHz	16QAM	43640	50RB#0	19.42	15.13	23	PASS
Band43	10MHz	16QAM	44090	1RB#0	20.59	16.3	23	PASS
Band43	10MHz	16QAM	44090	1RB#24	20.52	16.23	23	PASS
Band43	10MHz	16QAM	44090	1RB#49	20.58	16.29	23	PASS
Band43	10MHz	16QAM	44090	50RB#0	19.5	15.21	23	PASS
Band43	10MHz	16QAM	44540	1RB#0	20.54	16.25	23	PASS
Band43	10MHz	16QAM	44540	1RB#24	20.6	16.31	23	PASS
Band43	10MHz	16QAM	44540	1RB#49	20.58	16.29	23	PASS
Band43	10MHz	16QAM	44540	50RB#0	19.49	15.2	23	PASS
Band43	10MHz	64QAM	43640	1RB#0	19.22	14.93	23	PASS
Band43	10MHz	64QAM	43640	1RB#24	19.11	14.82	23	PASS
Band43	10MHz	64QAM	43640	1RB#49	19.13	14.84	23	PASS
Band43	10MHz	64QAM	43640	50RB#0	18.66	14.37	23	PASS
Band43	10MHz	64QAM	44090	1RB#0	19.16	14.87	23	PASS
Band43	10MHz	64QAM	44090	1RB#24	19.15	14.86	23	PASS
Band43	10MHz	64QAM	44090	1RB#49	19.2	14.91	23	PASS
Band43	10MHz	64QAM	44090	50RB#0	18.75	14.46	23	PASS
Band43	10MHz	64QAM	44540	1RB#0	19.18	14.89	23	PASS
Band43	10MHz	64QAM	44540	1RB#24	19.14	14.85	23	PASS
Band43	10MHz	64QAM	44540	1RB#49	19.23	14.94	23	PASS
Band43	10MHz	64QAM	44540	50RB#0	18.82	14.53	23	PASS
Band43	10MHz	256QAM	43640	1RB#0	16.48	12.19	23	PASS
Band43	10MHz	256QAM	43640	1RB#24	16.46	12.17	23	PASS
Band43	10MHz	256QAM	43640	1RB#49	16.4	12.11	23	PASS
Band43	10MHz	256QAM	43640	50RB#0	16.66	12.37	23	PASS
Band43	10MHz	256QAM	44090	1RB#0	16.42	12.13	23	PASS
Band43	10MHz	256QAM	44090	1RB#24	16.53	12.24	23	PASS
Band43	10MHz	256QAM	44090	1RB#49	16.54	12.25	23	PASS
Band43	10MHz	256QAM	44090	50RB#0	16.77	12.48	23	PASS
Band43	10MHz	256QAM	44540	1RB#0	16.54	12.25	23	PASS
Band43	10MHz	256QAM	44540	1RB#24	16.59	12.3	23	PASS



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Band43	10MHz	256QAM	44540	1RB#49	16.59	12.3	23	PASS
Band43	10MHz	256QAM	44540	50RB#0	16.84	12.55	23	PASS
Band43	15MHz	QPSK	43665	1RB#0	21.49	17.2	23	PASS
Band43	15MHz	QPSK	43665	1RB#38	21.43	17.14	23	PASS
Band43	15MHz	QPSK	43665	1RB#74	21.43	17.14	23	PASS
Band43	15MHz	QPSK	43665	75RB#0	19.18	14.89	23	PASS
Band43	15MHz	QPSK	43665	375RB#0	21.5	17.21	23	PASS
Band43	15MHz	QPSK	44090	1RB#0	18.7	14.41	23	PASS
Band43	15MHz	QPSK	44090	1RB#38	21.34	17.05	23	PASS
Band43	15MHz	QPSK	44090	1RB#74	21.44	17.15	23	PASS
Band43	15MHz	QPSK	44090	75RB#0	19.58	15.29	23	PASS
Band43	15MHz	QPSK	44090	375RB#0	21.36	17.07	23	PASS
Band43	15MHz	QPSK	44515	1RB#0	19.13	14.84	23	PASS
Band43	15MHz	QPSK	44515	1RB#38	21.42	17.13	23	PASS
Band43	15MHz	QPSK	44515	1RB#74	21.49	17.2	23	PASS
Band43	15MHz	QPSK	44515	75RB#0	20.02	15.73	23	PASS
Band43	15MHz	QPSK	44515	375RB#0	21.33	17.04	23	PASS
Band43	15MHz	16QAM	43665	1RB#0	20.54	16.25	23	PASS
Band43	15MHz	16QAM	43665	1RB#38	20.47	16.18	23	PASS
Band43	15MHz	16QAM	43665	1RB#74	20.49	16.2	23	PASS
Band43	15MHz	16QAM	43665	75RB#0	18.2	13.91	23	PASS
Band43	15MHz	16QAM	43665	375RB#0	20.55	16.26	23	PASS
Band43	15MHz	16QAM	44090	1RB#0	20.53	16.24	23	PASS
Band43	15MHz	16QAM	44090	1RB#38	20.4	16.11	23	PASS
Band43	15MHz	16QAM	44090	1RB#74	20.46	16.17	23	PASS
Band43	15MHz	16QAM	44090	75RB#0	18.56	14.27	23	PASS
Band43	15MHz	16QAM	44090	375RB#0	20.4	16.11	23	PASS
Band43	15MHz	16QAM	44515	1RB#0	20.35	16.06	23	PASS
Band43	15MHz	16QAM	44515	1RB#38	20.45	16.16	23	PASS
Band43	15MHz	16QAM	44515	1RB#74	20.54	16.25	23	PASS
Band43	15MHz	16QAM	44515	75RB#0	19	14.71	23	PASS
Band43	15MHz	16QAM	44515	375RB#0	20.38	16.09	23	PASS
Band43	15MHz	64QAM	43665	1RB#0	19.16	14.87	23	PASS



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Band43	15MHz	64QAM	43665	1RB#38	19.07	14.78	23	PASS
Band43	15MHz	64QAM	43665	1RB#74	19.11	14.82	23	PASS
Band43	15MHz	64QAM	43665	75RB#0	17.4	13.11	23	PASS
Band43	15MHz	64QAM	43665	375RB#0	19.2	14.91	23	PASS
Band43	15MHz	64QAM	44090	1RB#0	19.05	14.76	23	PASS
Band43	15MHz	64QAM	44090	1RB#38	19.01	14.72	23	PASS
Band43	15MHz	64QAM	44090	1RB#74	19.07	14.78	23	PASS
Band43	15MHz	64QAM	44090	75RB#0	17.87	13.58	23	PASS
Band43	15MHz	64QAM	44090	375RB#0	19.04	14.75	23	PASS
Band43	15MHz	64QAM	44515	1RB#0	19	14.71	23	PASS
Band43	15MHz	64QAM	44515	1RB#38	19.03	14.74	23	PASS
Band43	15MHz	64QAM	44515	1RB#74	19.15	14.86	23	PASS
Band43	15MHz	64QAM	44515	75RB#0	18.34	14.05	23	PASS
Band43	15MHz	64QAM	44515	375RB#0	18.98	14.69	23	PASS
Band43	15MHz	256QAM	43665	1RB#0	16.49	12.2	23	PASS
Band43	15MHz	256QAM	43665	1RB#38	16.42	12.13	23	PASS
Band43	15MHz	256QAM	43665	1RB#74	16.38	12.09	23	PASS
Band43	15MHz	256QAM	43665	75RB#0	16.36	12.07	23	PASS
Band43	15MHz	256QAM	43665	375RB#0	16.49	12.2	23	PASS
Band43	15MHz	256QAM	44090	1RB#0	16.39	12.1	23	PASS
Band43	15MHz	256QAM	44090	1RB#38	16.44	12.15	23	PASS
Band43	15MHz	256QAM	44090	1RB#74	16.45	12.16	23	PASS
Band43	15MHz	256QAM	44090	75RB#0	16.23	11.94	23	PASS
Band43	15MHz	256QAM	44090	375RB#0	16.37	12.08	23	PASS
Band43	15MHz	256QAM	44515	1RB#0	16.41	12.12	23	PASS
Band43	15MHz	256QAM	44515	1RB#38	16.5	12.21	23	PASS
Band43	15MHz	256QAM	44515	1RB#74	16.56	12.27	23	PASS
Band43	15MHz	256QAM	44515	75RB#0	16.36	12.07	23	PASS
Band43	15MHz	256QAM	44515	375RB#0	16.43	12.14	23	PASS
Band43	20MHz	QPSK	43690	1RB#0	21.47	17.18	23	PASS
Band43	20MHz	QPSK	43690	1RB#49	21.36	17.07	23	PASS
Band43	20MHz	QPSK	43690	1RB#99	21.44	17.15	23	PASS
Band43	20MHz	QPSK	43690	100RB#0	20.41	16.12	23	PASS



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Band43	20MHz	QPSK	44090	1RB#0	20.52	16.23	23	PASS
Band43	20MHz	QPSK	44090	1RB#49	21.44	17.15	23	PASS
Band43	20MHz	QPSK	44090	1RB#99	21.49	17.2	23	PASS
Band43	20MHz	QPSK	44090	100RB#0	20.46	16.17	23	PASS
Band43	20MHz	QPSK	44490	1RB#0	17.44	13.15	23	PASS
Band43	20MHz	QPSK	44490	1RB#49	21.41	17.12	23	PASS
Band43	20MHz	QPSK	44490	1RB#99	21.56	17.27	23	PASS
Band43	20MHz	QPSK	44490	100RB#0	20.47	16.18	23	PASS
Band43	20MHz	16QAM	43690	1RB#0	20.54	16.25	23	PASS
Band43	20MHz	16QAM	43690	1RB#49	20.43	16.14	23	PASS
Band43	20MHz	16QAM	43690	1RB#99	20.48	16.19	23	PASS
Band43	20MHz	16QAM	43690	100RB#0	19.4	15.11	23	PASS
Band43	20MHz	16QAM	44090	1RB#0	20.48	16.19	23	PASS
Band43	20MHz	16QAM	44090	1RB#49	20.43	16.14	23	PASS
Band43	20MHz	16QAM	44090	1RB#99	20.53	16.24	23	PASS
Band43	20MHz	16QAM	44090	100RB#0	19.45	15.16	23	PASS
Band43	20MHz	16QAM	44490	1RB#0	20.42	16.13	23	PASS
Band43	20MHz	16QAM	44490	1RB#49	20.49	16.2	23	PASS
Band43	20MHz	16QAM	44490	1RB#99	20.61	16.32	23	PASS
Band43	20MHz	16QAM	44490	100RB#0	19.47	15.18	23	PASS
Band43	20MHz	64QAM	43690	1RB#0	19.18	14.89	23	PASS
Band43	20MHz	64QAM	43690	1RB#49	18.97	14.68	23	PASS
Band43	20MHz	64QAM	43690	1RB#99	19.12	14.83	23	PASS
Band43	20MHz	64QAM	43690	100RB#0	18.61	14.32	23	PASS
Band43	20MHz	64QAM	44090	1RB#0	19.13	14.84	23	PASS
Band43	20MHz	64QAM	44090	1RB#49	19.04	14.75	23	PASS
Band43	20MHz	64QAM	44090	1RB#99	19.13	14.84	23	PASS
Band43	20MHz	64QAM	44090	100RB#0	18.69	14.4	23	PASS
Band43	20MHz	64QAM	44490	1RB#0	19.02	14.73	23	PASS
Band43	20MHz	64QAM	44490	1RB#49	19.04	14.75	23	PASS
Band43	20MHz	64QAM	44490	1RB#99	19.2	14.91	23	PASS
Band43	20MHz	64QAM	44490	100RB#0	18.74	14.45	23	PASS
Band43	20MHz	256QAM	43690	1RB#0	16.41	12.12	23	PASS



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Band43	20MHz	256QAM	43690	1RB#49	16.34	12.05	23	PASS
Band43	20MHz	256QAM	43690	1RB#99	16.41	12.12	23	PASS
Band43	20MHz	256QAM	43690	100RB#0	16.57	12.28	23	PASS
Band43	20MHz	256QAM	44090	1RB#0	16.4	12.11	23	PASS
Band43	20MHz	256QAM	44090	1RB#49	16.43	12.14	23	PASS
Band43	20MHz	256QAM	44090	1RB#99	16.45	12.16	23	PASS
Band43	20MHz	256QAM	44090	100RB#0	16.64	12.35	23	PASS
Band43	20MHz	256QAM	44490	1RB#0	16.42	12.13	23	PASS
Band43	20MHz	256QAM	44490	1RB#49	16.49	12.2	23	PASS
Band43	20MHz	256QAM	44490	1RB#99	16.58	12.29	23	PASS
Band43	20MHz	256QAM	44490	100RB#0	16.73	12.44	23	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

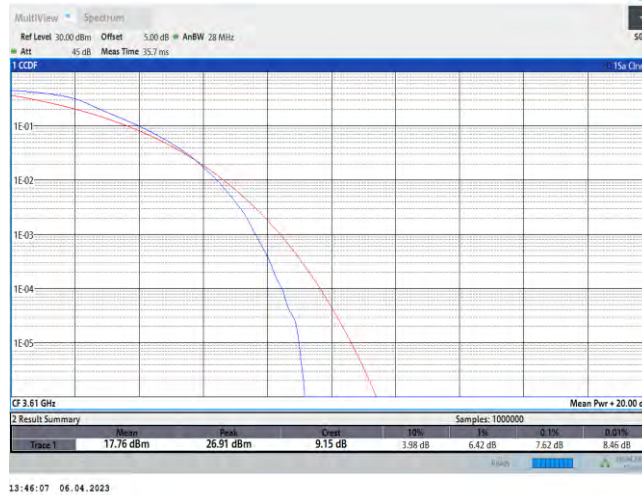
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band43	20MHz	QPSK	43690	100RB#0	7.62	13	PASS
Band43	20MHz	QPSK	44090	100RB#0	7.56	13	PASS
Band43	20MHz	QPSK	44490	100RB#0	7.66	13	PASS
Band43	20MHz	16QAM	43690	100RB#0	8.30	13	PASS
Band43	20MHz	16QAM	44090	100RB#0	8.26	13	PASS
Band43	20MHz	16QAM	44490	100RB#0	8.42	13	PASS
Band43	20MHz	64QAM	43690	100RB#0	8.40	13	PASS
Band43	20MHz	64QAM	44090	100RB#0	8.66	13	PASS
Band43	20MHz	64QAM	44490	100RB#0	8.66	13	PASS
Band43	20MHz	256QAM	43690	100RB#0	8.60	13	PASS
Band43	20MHz	256QAM	44090	100RB#0	8.56	13	PASS
Band43	20MHz	256QAM	44490	100RB#0	8.64	13	PASS



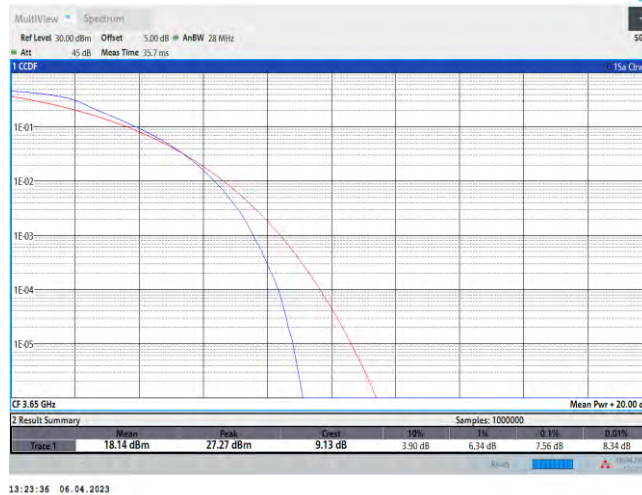
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Test Graphs

Band43-20MHz-QPSK-43690-100RB#0

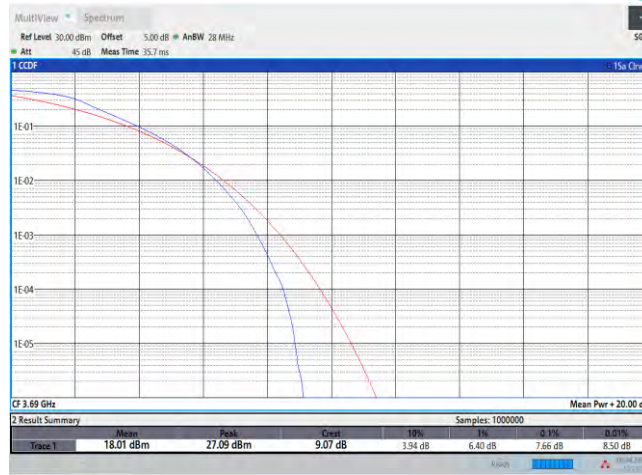


Band43-20MHz-QPSK-44090-100RB#0

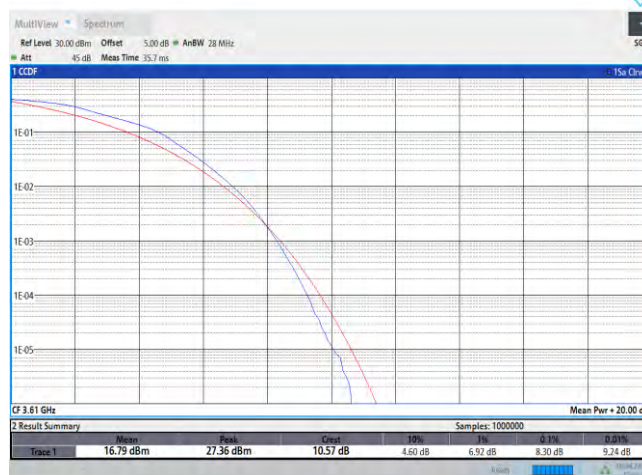


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Band43-20MHz-QPSK-44490-100RB#0



Band43-20MHz-16QAM-43690-100RB#0



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Band43-20MHz-16QAM-44090-100RB#0



13:47:31 06.04.2023

Band43-20MHz-16QAM-44490-100RB#0



13:48:39 06.04.2023



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Band43-20MHz-64QAM-43690-100RB#0

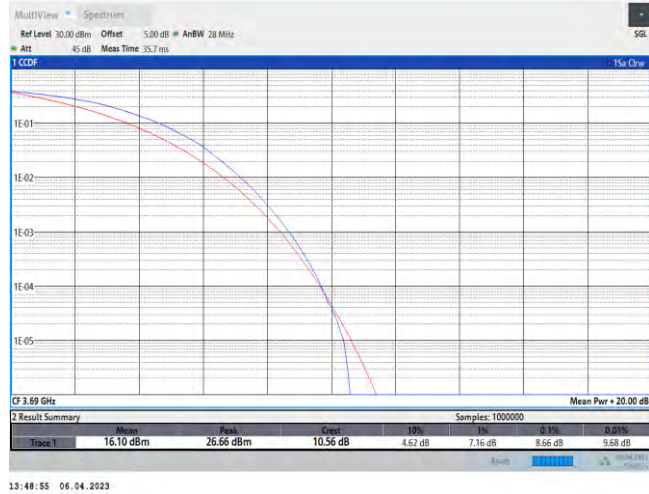


Band43-20MHz-64QAM-44090-100RB#0

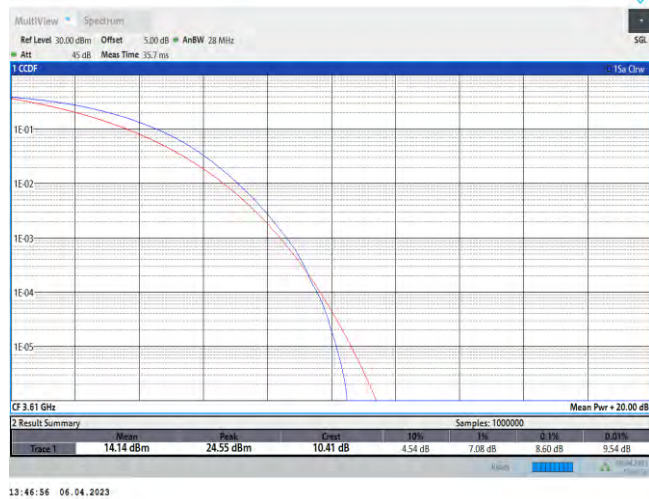


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Band43-20MHz-64QAM-44490-100RB#0



Band43-20MHz-256QAM-43690-100RB#0



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Band43-20MHz-256QAM-44090-100RB#0



Band43-20MHz-256QAM-44490-100RB#0



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Modulation Characteristics

Test Result

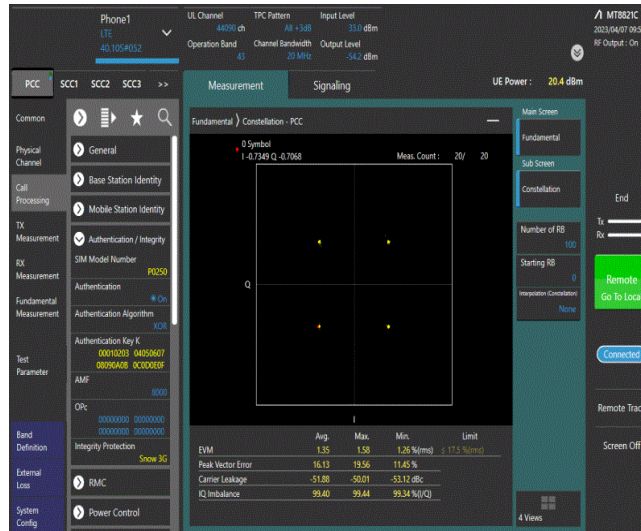
Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band43	20MHz	QPSK	44090	100RB#0	PASS	PASS
Band43	20MHz	16QAM	44090	100RB#0	PASS	PASS
Band43	20MHz	64QAM	44090	100RB#0	PASS	PASS
Band43	20MHz	256QAM	44090	100RB#0	PASS	PASS



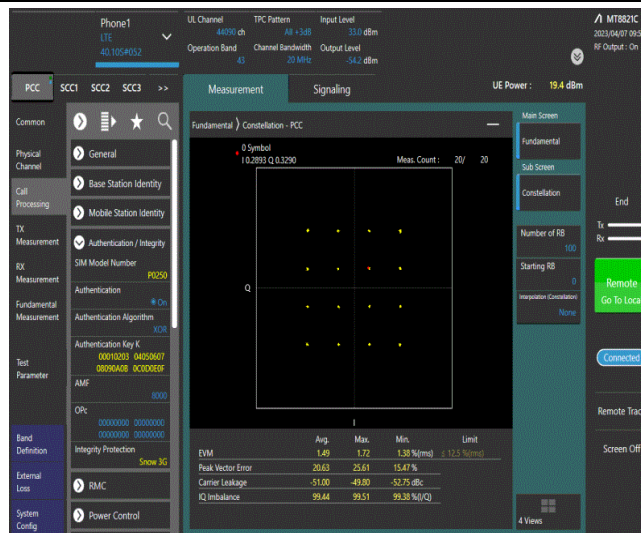
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Test Graphs

Band43-20MHz-QPSK-44090-100RB#0

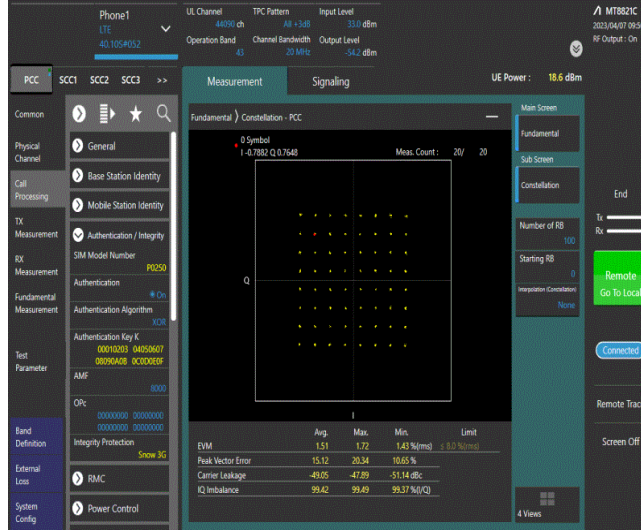


Band43-20MHz-16QAM-44090-100RB#0

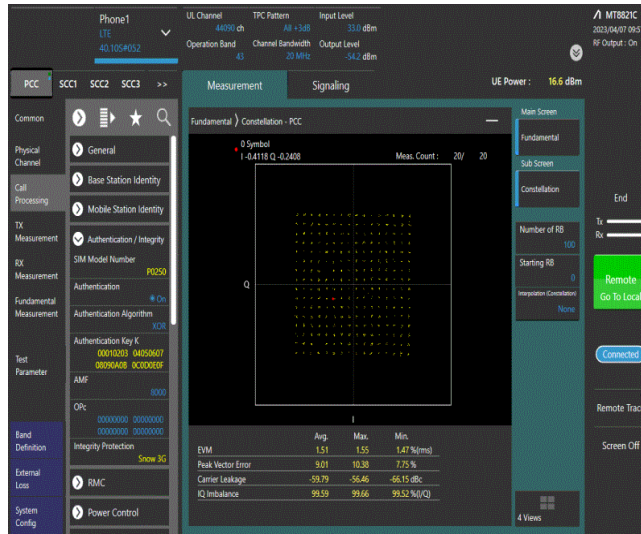


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Band43-20MHz-64QAM-44090-100RB#0



Band43-20MHz-256QAM-44090-100RB#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
Band43	5MHz	QPSK	43615	25RB#0	4.491	4.77	PASS
Band43	5MHz	QPSK	44090	25RB#0	4.488	4.77	PASS
Band43	5MHz	QPSK	44565	25RB#0	4.489	4.77	PASS
Band43	5MHz	16QAM	43615	25RB#0	4.492	4.77	PASS
Band43	5MHz	16QAM	44090	25RB#0	4.496	4.77	PASS
Band43	5MHz	16QAM	44565	25RB#0	4.497	4.77	PASS
Band43	5MHz	64QAM	43615	25RB#0	4.505	4.78	PASS
Band43	5MHz	64QAM	44090	25RB#0	4.501	4.77	PASS
Band43	5MHz	64QAM	44565	25RB#0	4.497	4.78	PASS
Band43	5MHz	256QAM	43615	25RB#0	4.493	4.77	PASS
Band43	5MHz	256QAM	44090	25RB#0	4.496	4.77	PASS
Band43	5MHz	256QAM	44565	25RB#0	4.495	4.77	PASS
Band43	10MHz	QPSK	43640	50RB#0	8.981	9.53	PASS
Band43	10MHz	QPSK	44090	50RB#0	8.98	9.53	PASS
Band43	10MHz	QPSK	44540	50RB#0	8.983	9.53	PASS
Band43	10MHz	16QAM	43640	50RB#0	8.976	9.53	PASS
Band43	10MHz	16QAM	44090	50RB#0	8.975	9.53	PASS
Band43	10MHz	16QAM	44540	50RB#0	8.967	9.53	PASS
Band43	10MHz	64QAM	43640	50RB#0	8.986	9.53	PASS
Band43	10MHz	64QAM	44090	50RB#0	8.988	9.53	PASS
Band43	10MHz	64QAM	44540	50RB#0	8.989	9.53	PASS
Band43	10MHz	256QAM	43640	50RB#0	8.971	9.53	PASS
Band43	10MHz	256QAM	44090	50RB#0	8.972	9.53	PASS
Band43	10MHz	256QAM	44540	50RB#0	8.975	9.53	PASS
Band43	15MHz	QPSK	43665	75RB#0	13.468	14.30	PASS
Band43	15MHz	QPSK	44090	75RB#0	13.466	14.30	PASS
Band43	15MHz	QPSK	44515	75RB#0	13.46	14.30	PASS
Band43	15MHz	16QAM	43665	75RB#0	13.449	14.30	PASS
Band43	15MHz	16QAM	44090	75RB#0	13.457	14.30	PASS
Band43	15MHz	16QAM	44515	75RB#0	13.453	14.30	PASS
Band43	15MHz	64QAM	43665	75RB#0	13.47	14.30	PASS



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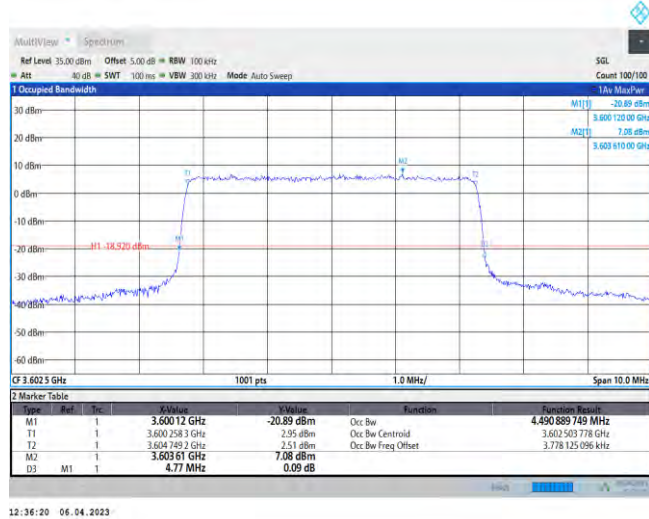
Band43	15MHz	64QAM	44090	75RB#0	13.467	14.30	PASS
Band43	15MHz	64QAM	44515	75RB#0	13.465	14.30	PASS
Band43	15MHz	256QAM	43665	75RB#0	13.441	14.30	PASS
Band43	15MHz	256QAM	44090	75RB#0	13.439	14.30	PASS
Band43	15MHz	256QAM	44515	75RB#0	13.447	14.30	PASS
Band43	20MHz	QPSK	43690	100RB#0	17.996	19.33	PASS
Band43	20MHz	QPSK	44090	100RB#0	17.999	19.33	PASS
Band43	20MHz	QPSK	44490	100RB#0	17.991	19.33	PASS
Band43	20MHz	16QAM	43690	100RB#0	18.006	19.33	PASS
Band43	20MHz	16QAM	44090	100RB#0	17.997	19.27	PASS
Band43	20MHz	16QAM	44490	100RB#0	17.996	19.33	PASS
Band43	20MHz	64QAM	43690	100RB#0	18	19.33	PASS
Band43	20MHz	64QAM	44090	100RB#0	18.005	19.27	PASS
Band43	20MHz	64QAM	44490	100RB#0	17.995	19.33	PASS
Band43	20MHz	256QAM	43690	100RB#0	18.006	19.33	PASS
Band43	20MHz	256QAM	44090	100RB#0	17.995	19.33	PASS
Band43	20MHz	256QAM	44490	100RB#0	17.999	19.33	PASS



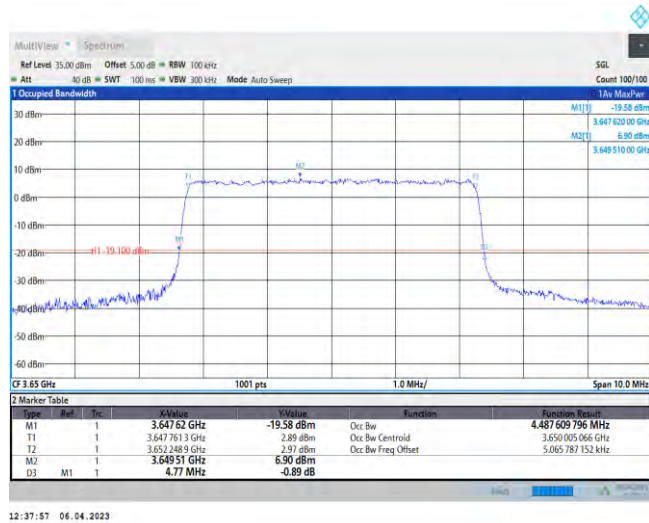
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Test Graphs

Band43-5MHz-QPSK-43615-25RB#0



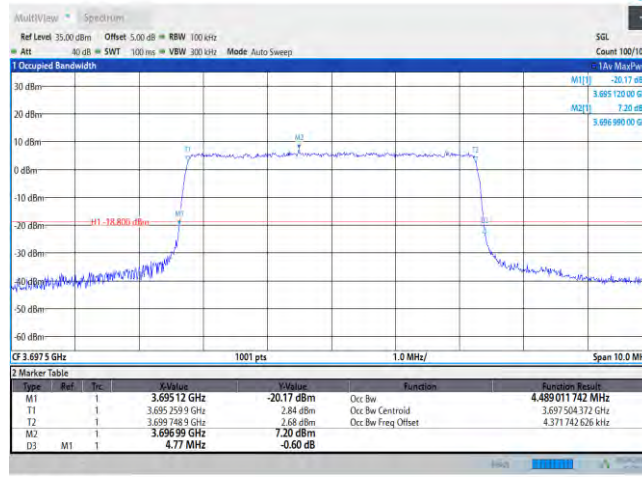
Band43-5MHz-QPSK-44090-25RB#0



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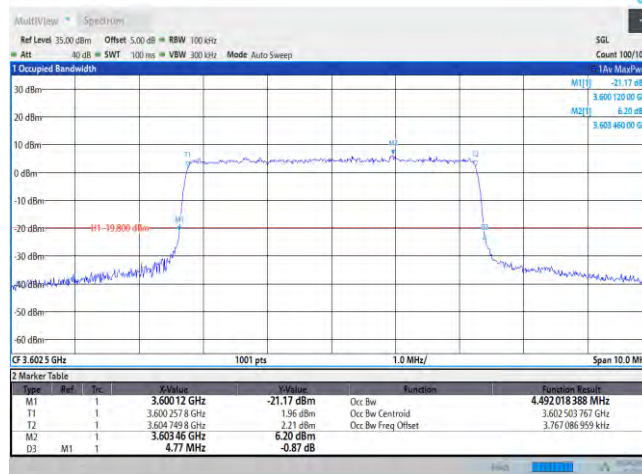
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Band43-5MHz-QPSK-44565-25RB#0



12:39:33 06.04.2023

Band43-5MHz-16QAM-43615-25RB#0



12:36:44 06.04.2023

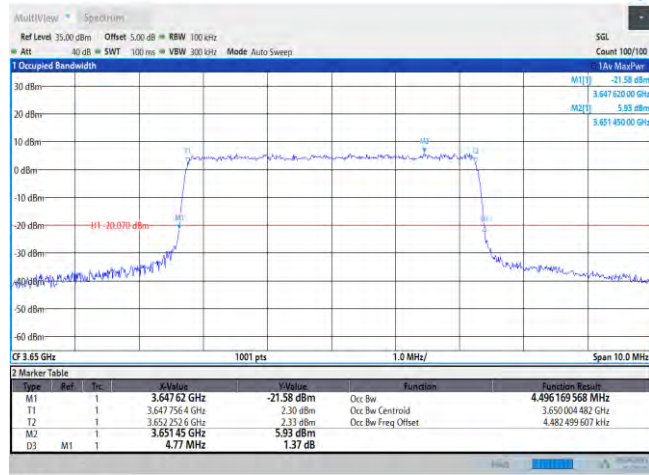


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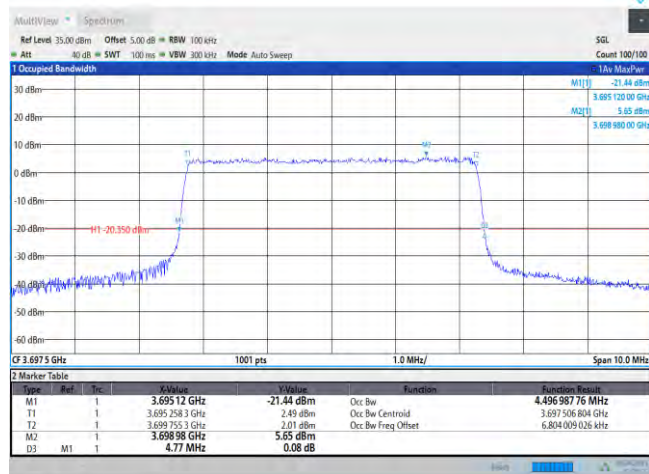
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Band43-5MHz-16QAM-44090-25RB#0



12:38:20 06.04.2023

Band43-5MHz-16QAM-44565-25RB#0



12:39:56 06.04.2023



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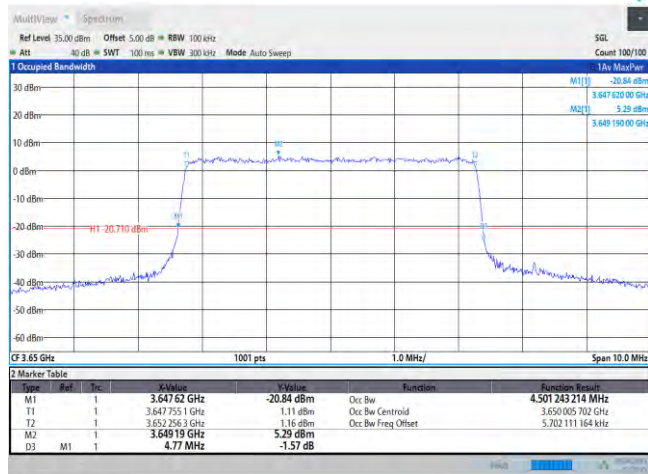
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Band43-5MHz-64QAM-43615-25RB#0



12:37:07 06.04.2023

Band43-5MHz-64QAM-44090-25RB#0



12:38:44 06.04.2023



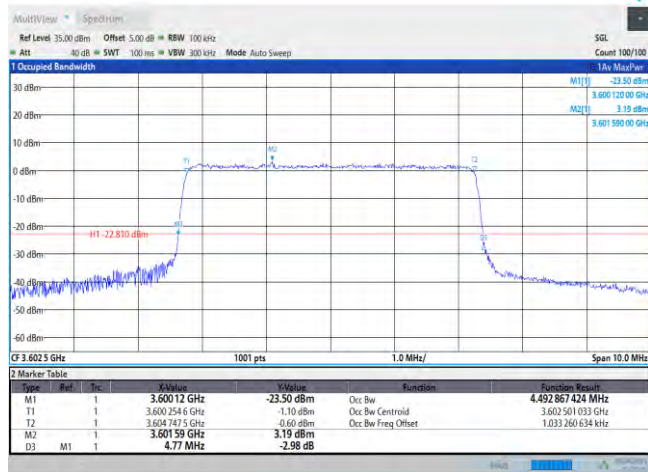
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Band43-5MHz-64QAM-44565-25RB#0



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Band43-5MHz-256QAM-43615-25RB#0



12:37:31 06.04.2023

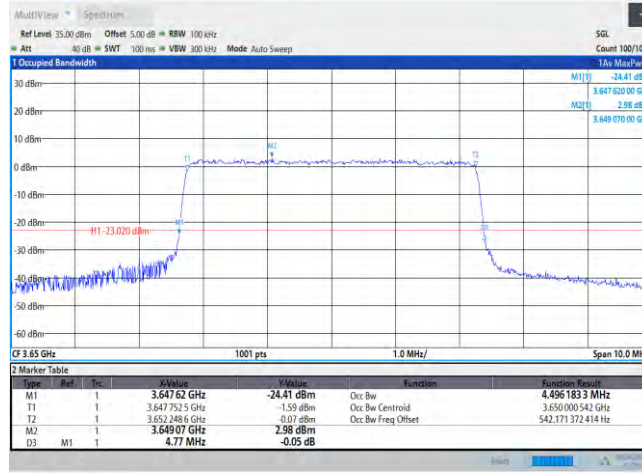


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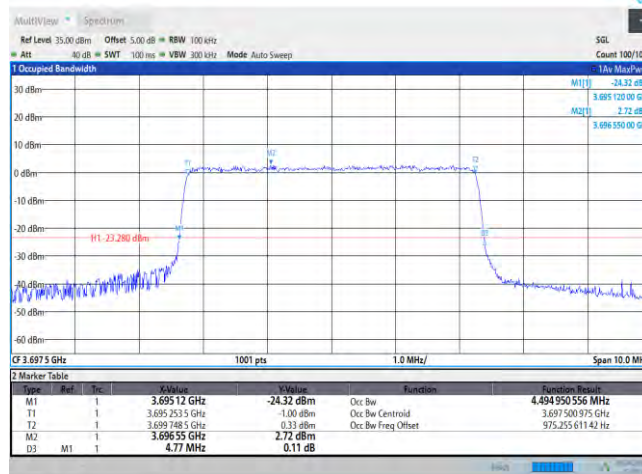
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Band43-5MHz-256QAM-44090-25RB#0



12:39:07 06.04.2023

Band43-5MHz-256QAM-44565-25RB#0



12:40:43 06.04.2023



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Band43-10MHz-QPSK-43640-50RB#0



12:49:50 06.04.2023

Band43-10MHz-QPSK-44090-50RB#0



12:50:57 06.04.2023



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Band43-10MHz-QPSK-44540-50RB#0



12:52:06 06.04.2023

Band43-10MHz-16QAM-43640-50RB#0



12:50:07 06.04.2023



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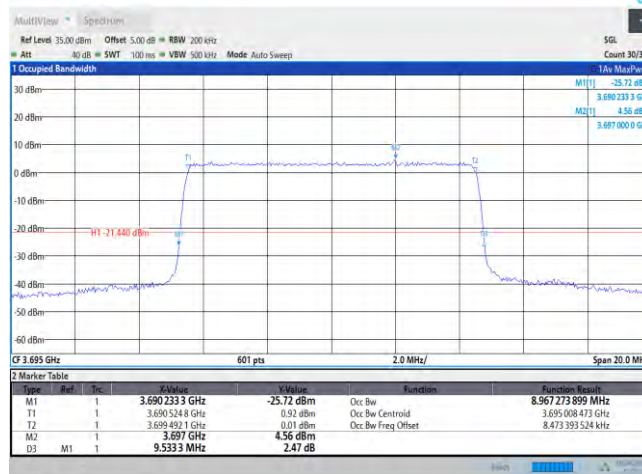
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Band43-10MHz-16QAM-44090-50RB#0



12:51:13 06.04.2023

Band43-10MHz-16QAM-44540-50RB#0



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Band43-10MHz-64QAM-43640-50RB#0



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Band43-10MHz-64QAM-44090-50RB#0



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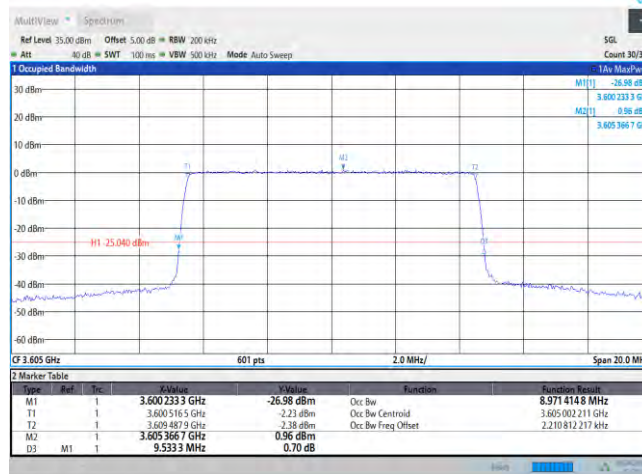
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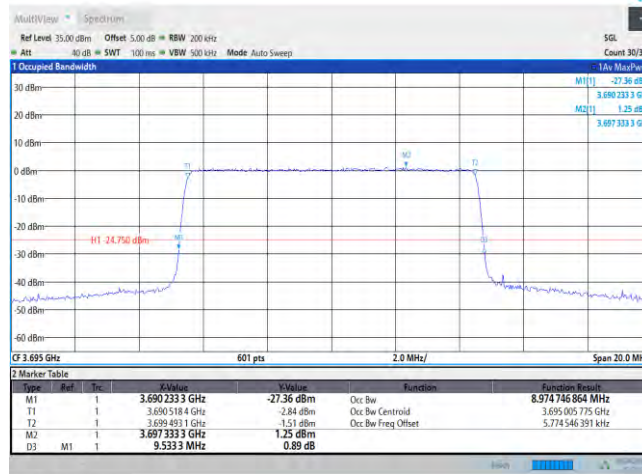
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Band43-15MHz-QPSK-43665-75RB#0



13:23:44 06.04.2023

Band43-15MHz-QPSK-44090-75RB#0



13:24:51 06.04.2023



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Band43-15MHz-QPSK-44515-75RB#0



13:25:58 06.04.2023

Band43-15MHz-16QAM-43665-75RB#0



13:24:00 06.04.2023



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Band43-15MHz-16QAM-44090-75RB#0



13:25:07 06.04.2023

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13:26:14 06.04.2023



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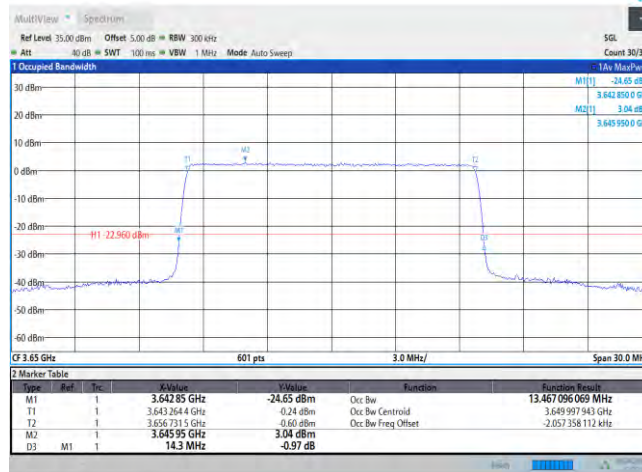
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Band43-15MHz-64QAM-43665-75RB#0



13:24:16 06.04.2023

Band43-15MHz-64QAM-44090-75RB#0



13:25:23 06.04.2023



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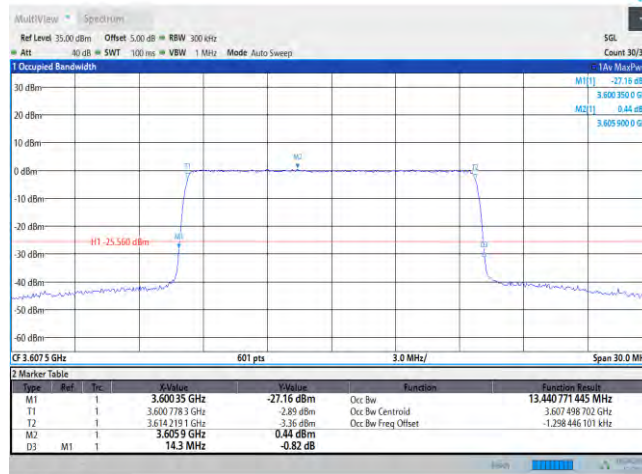
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Band43-15MHz-64QAM-44515-75RB#0



13:26:30 06.04.2023

Band43-15MHz-256QAM-43665-75RB#0



13:24:33 06.04.2023



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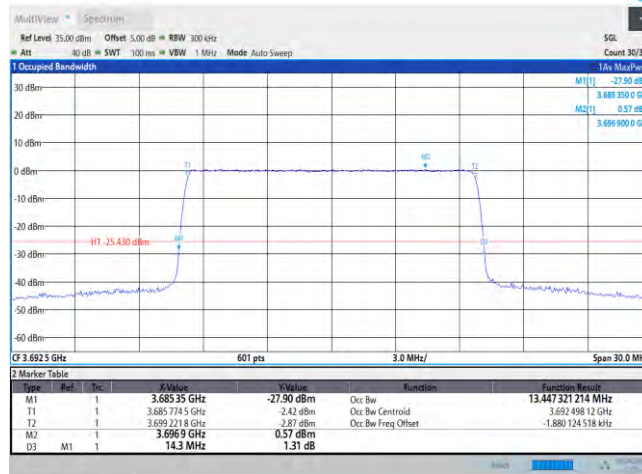
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Band43-15MHz-256QAM-44090-75RB#0



13:25:39 06.04.2023

Band43-15MHz-256QAM-44515-75RB#0



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Band43-20MHz-QPSK-43690-100RB#0



13:35:49 06.04.2023

Band43-20MHz-QPSK-44090-100RB#0



13:36:56 06.04.2023



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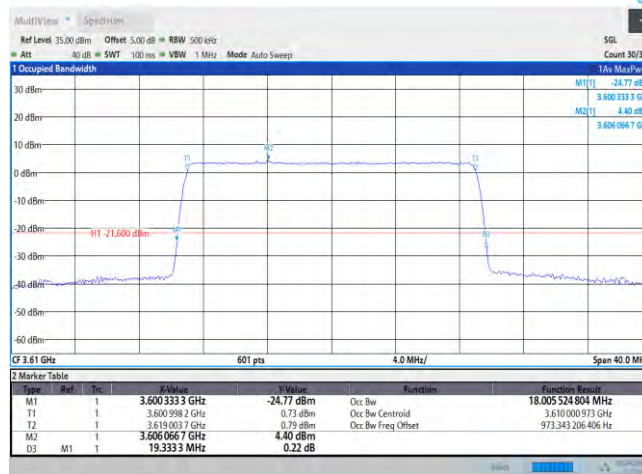
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Band43-20MHz-QPSK-44490-100RB#0



13:38:05 06.04.2023

Band43-20MHz-16QAM-43690-100RB#0



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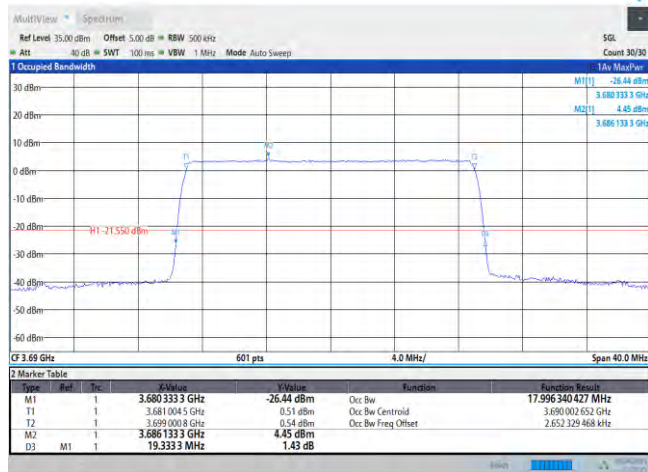
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Band43-20MHz-16QAM-44090-100RB#0



13:37:12 06.04.2023

Band43-20MHz-16QAM-44490-100RB#0



13:38:21 06.04.2023



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Band43-20MHz-64QAM-43690-100RB#0



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Band43-20MHz-64QAM-44090-100RB#0



13:37:28 06.04.2023



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Band43-20MHz-256QAM-43690-100RB#0



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Band43-20MHz-256QAM-44090-100RB#0



13:37:44 06.04.2023

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13:38:53 06.04.2023



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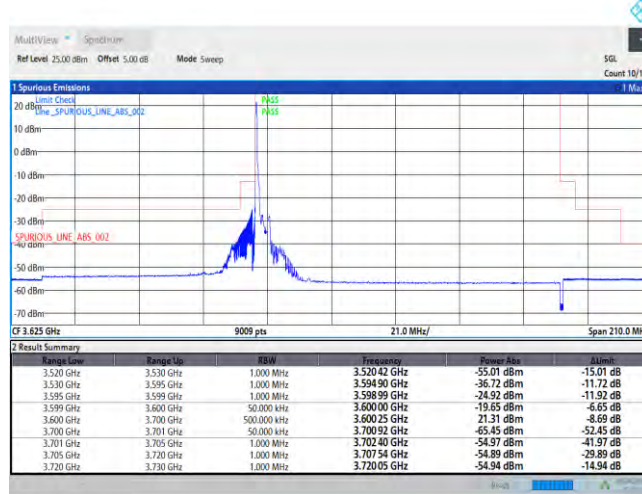
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Band Edge

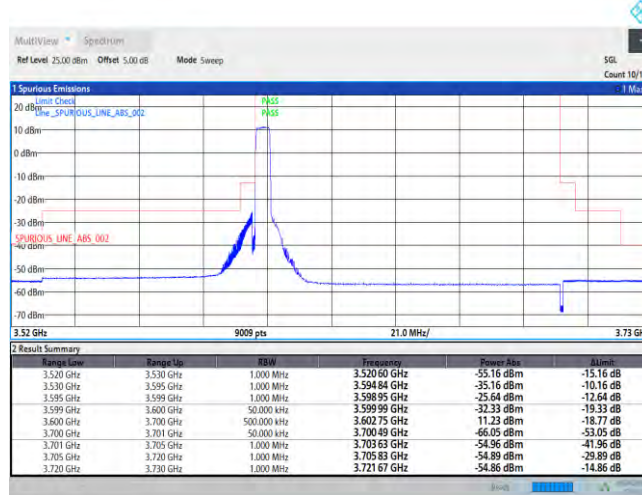
Test Graphs

Band43-5MHz-QPSK-43615-1RB#0



12:42:08 06.04.2023

Band43-5MHz-QPSK-43615-25RB#0



12:43:08 06.04.2023



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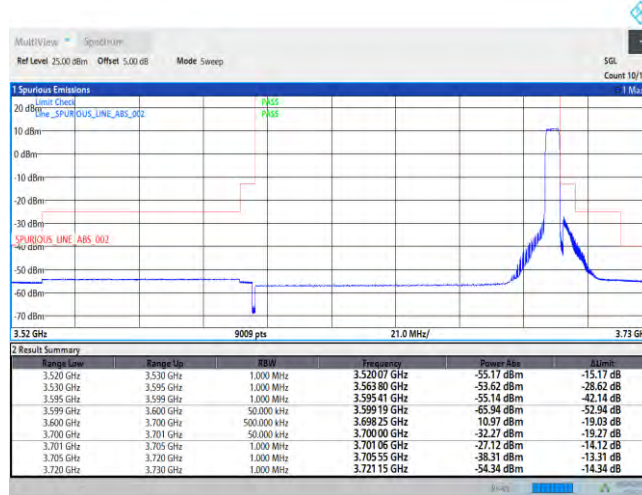
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Band43-5MHz-QPSK-44565-1RB#24



12:44:36 06.04.2023

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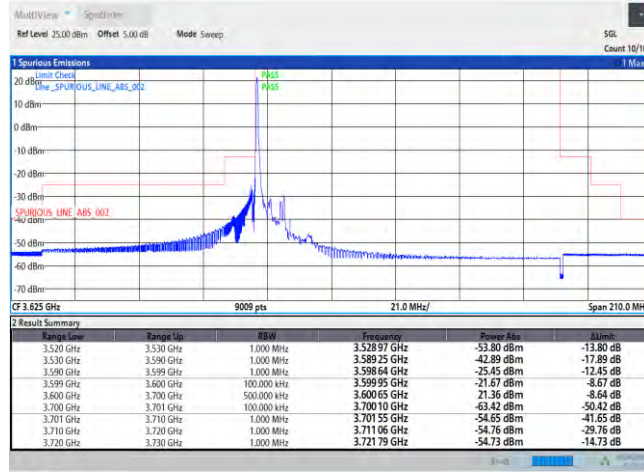


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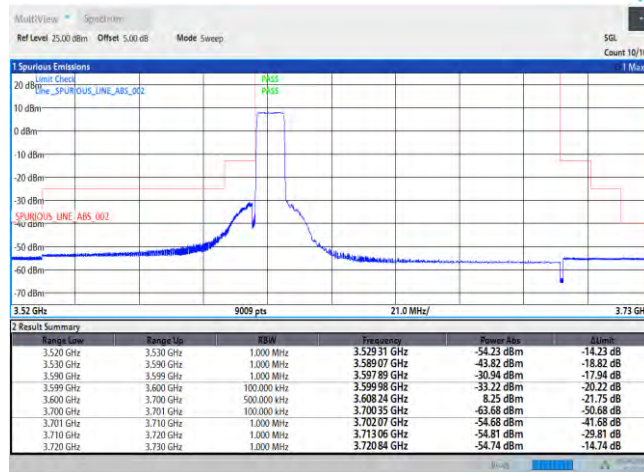
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Band43-10MHz-QPSK-43640-1RB#0



12:54:17 06.04.2023

Band43-10MHz-QPSK-43640-50RB#0

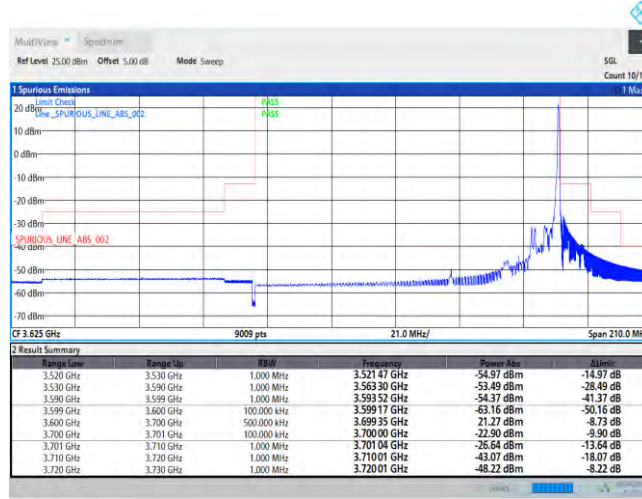


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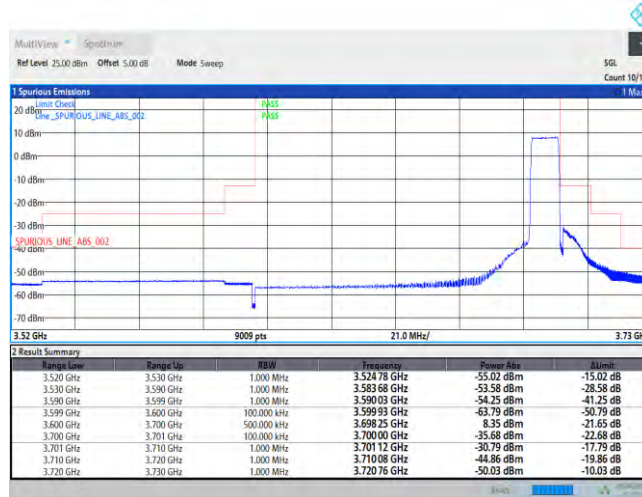
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Band43-10MHz-QPSK-44540-1RB#49



13:18:34 06.04.2023

Band43-10MHz-QPSK-44540-50RB#0



13:19:35 06.04.2023

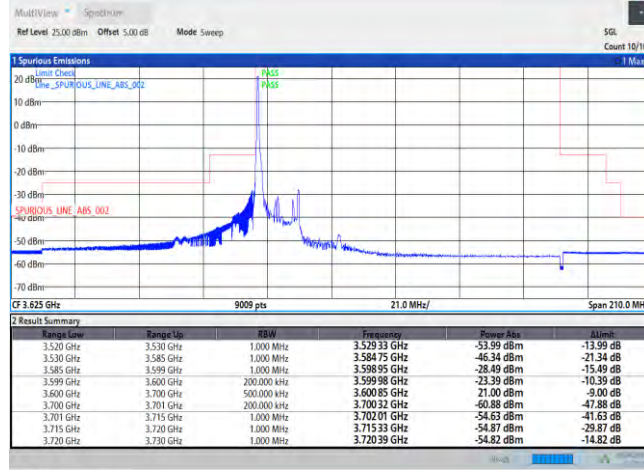


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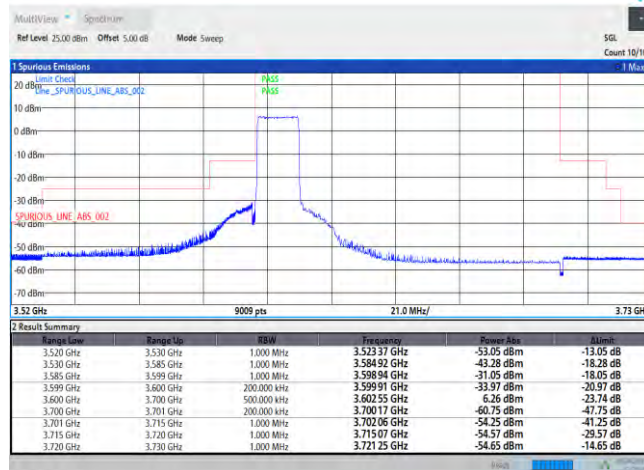
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Band43-15MHz-QPSK-43665-1RB#0



13:28:10 06.04.2023

Band43-15MHz-QPSK-43665-75RB#0

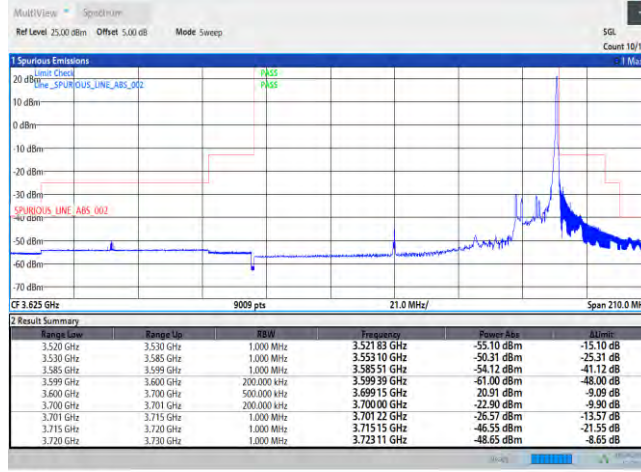


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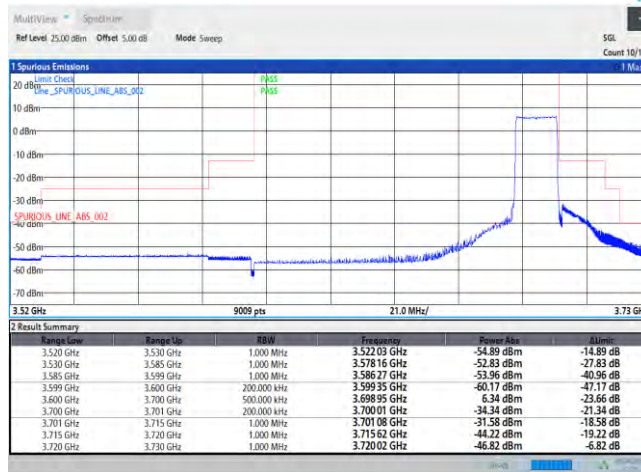
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Band43-15MHz-QPSK-44515-1RB#74



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Band43-15MHz-QPSK-44515-75RB#0



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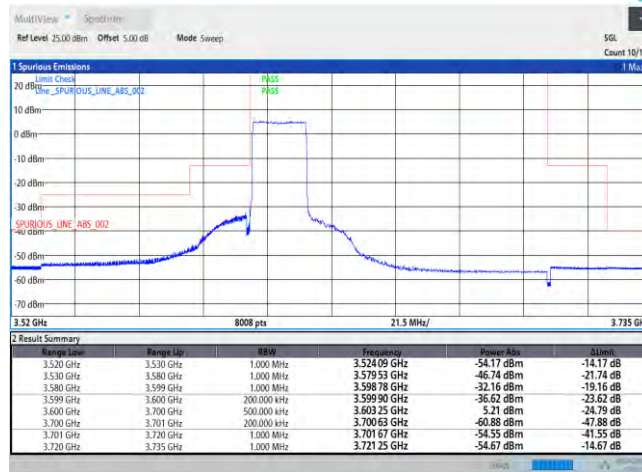
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Band43-20MHz-QPSK-43690-1RB#0



13:40:12 06.04.2023

Band43-20MHz-QPSK-43690-100RB#0

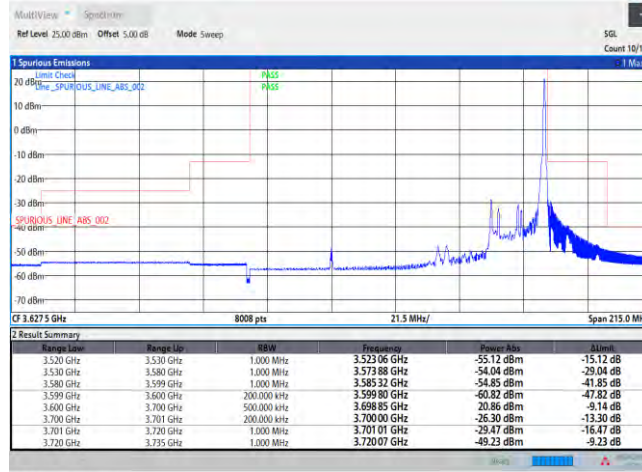


13:41:08 06.04.2023



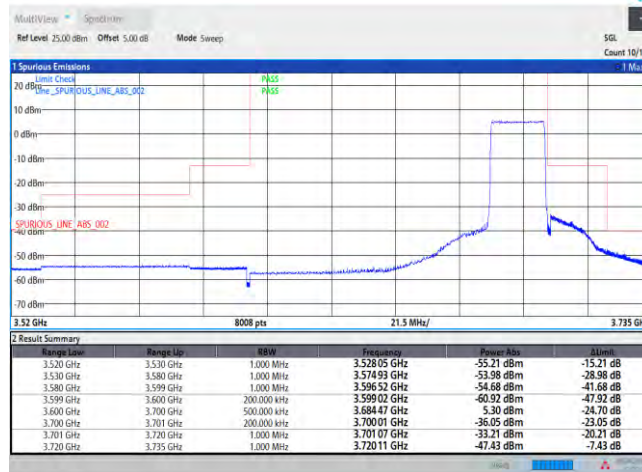
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Band43-20MHz-QPSK-44490-1RB#99



14:20:51 06.04.2023

Band43-20MHz-QPSK-44490-100RB#0



13:55:58 06.04.2023



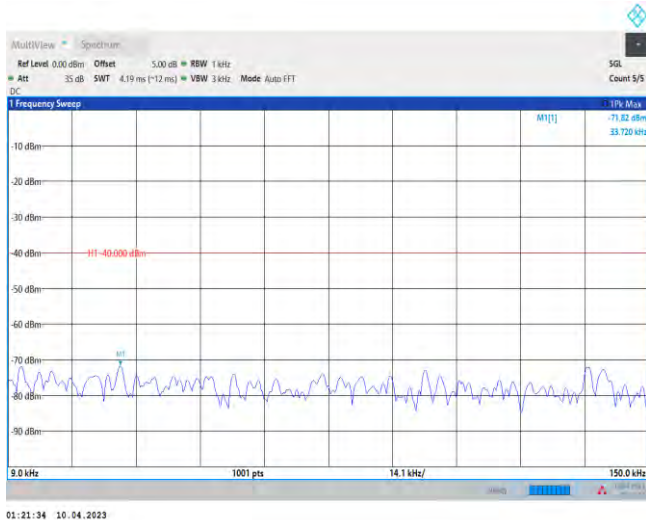
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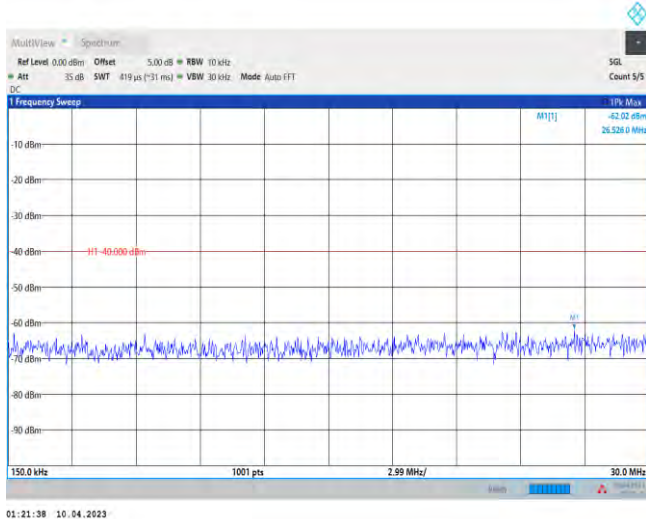
Conducted Spurious Emission

Test Graphs

Band43-20MHz-QPSK-43690-1RB#0-Range1:0.009~0.15MHz

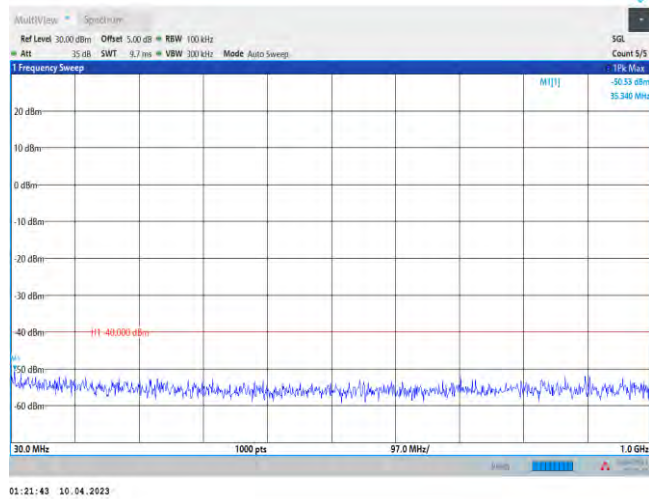


Band43-20MHz-QPSK-43690-1RB#0-Range2:0.15~30MHz

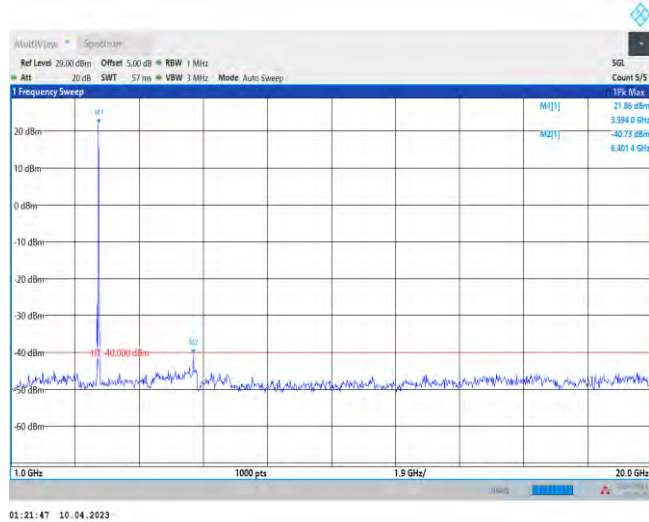


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Band43-20MHz-QPSK-43690-1RB#0-Range3:30~1000MHz

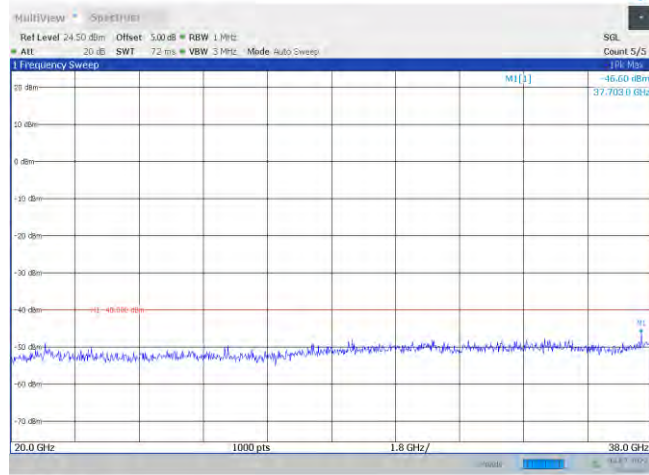


Band43-20MHz-QPSK-43690-1RB#0-Range4:1000~20000MHz



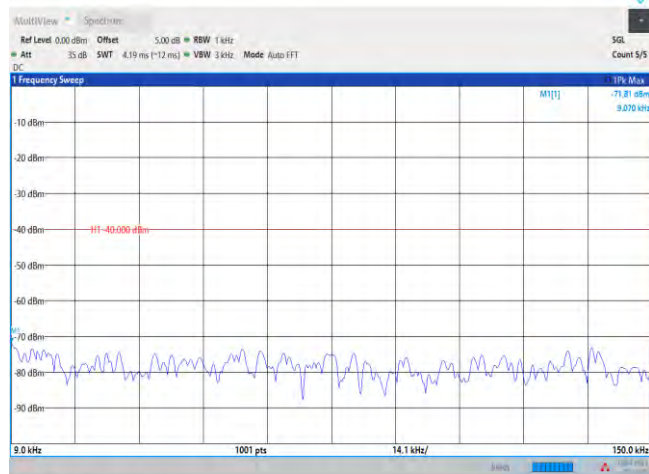
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Band43-20MHz-QPSK-43690-1RB#0-Range5:20000~38000MHz



08:23:33 21.03.2023

Band43-20MHz-QPSK-44090-1RB#0-Range1:0.009~0.15MHz

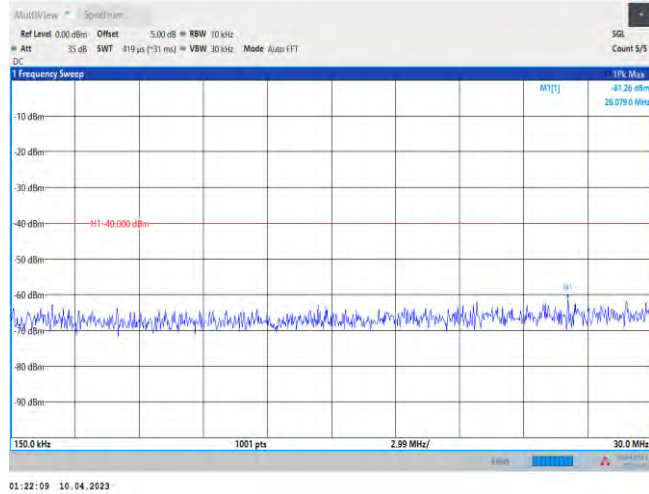


01:22:05 10.04.2023



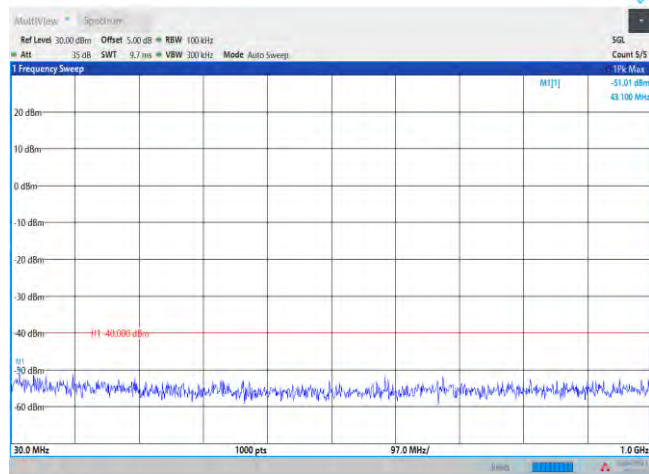
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Band43-20MHz-QPSK-44090-1RB#0-Range2:0.15~30MHz



01:22:09 10.04.2023

Band43-20MHz-QPSK-44090-1RB#0-Range3:30~1000MHz

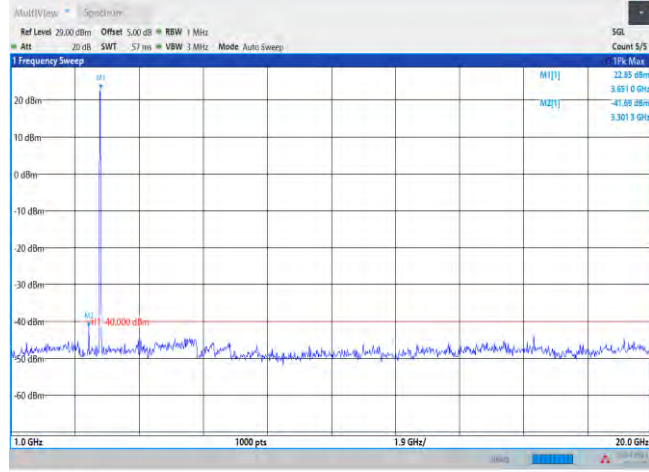


01:22:13 10.04.2023



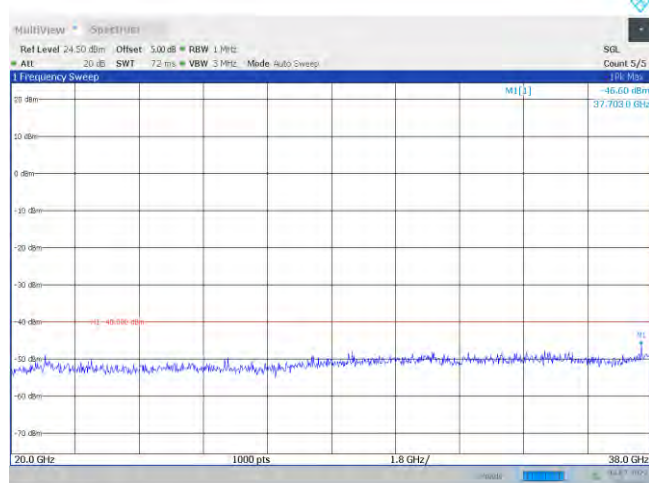
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Band43-20MHz-QPSK-44090-1RB#0-Range4:1000~20000MHz



01:22:26 10.04.2023

Band43-20MHz-QPSK-44090-1RB#0-Range5:20000~38000MHz

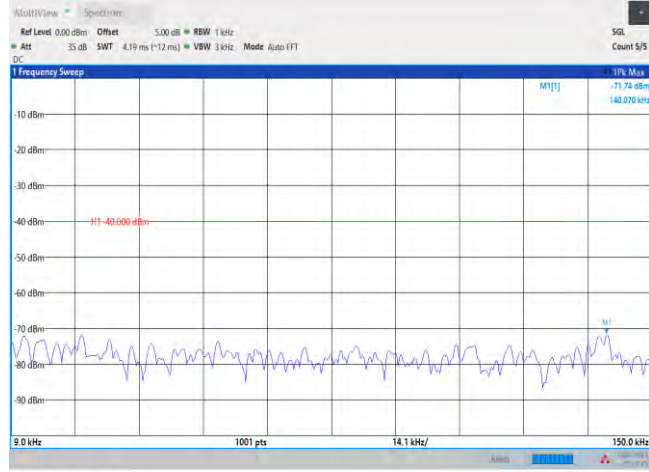


08:23:33 21.03.2023



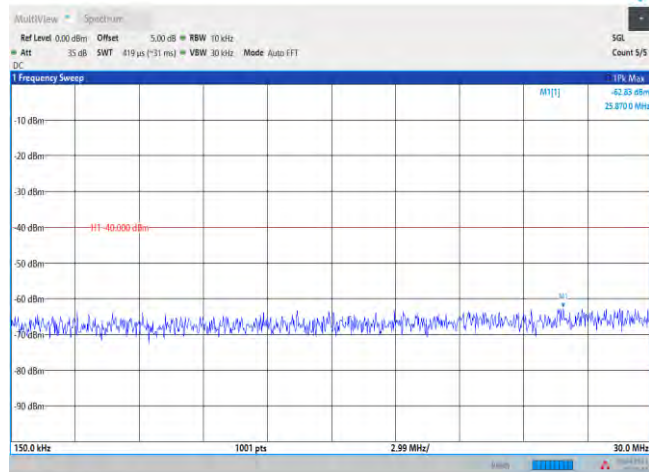
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Band43-20MHz-QPSK-44490-1RB#0-Range1:0.009~0.15MHz



01:22:43 10.04.2023

Band43-20MHz-QPSK-44490-1RB#0-Range2:0.15~30MHz

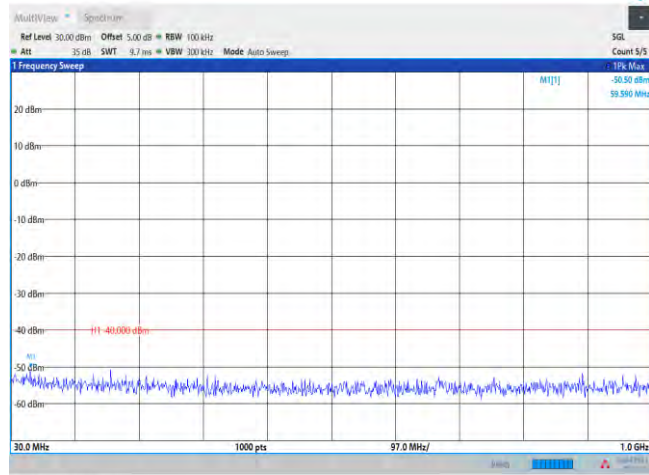


01:22:47 10.04.2023



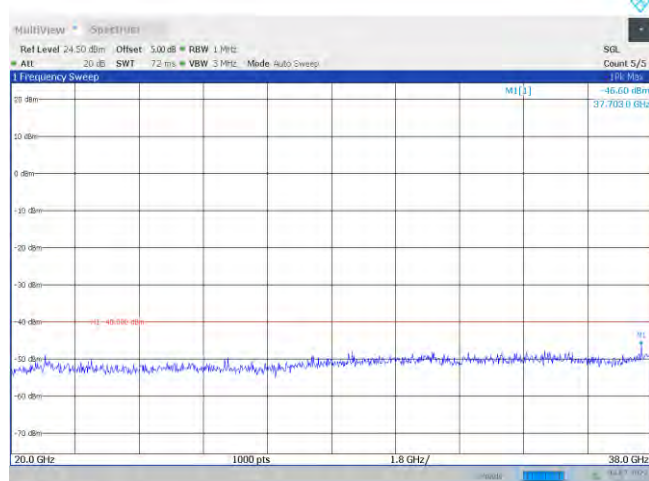
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Band43-20MHz-QPSK-44490-1RB#0-Range3:30~1000MHz



01:22:51 10.04.2023

Band43-20MHz-QPSK-44490-1RB#0-Range5:20000~38000MHz



08:23:33 21.03.2023



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Field Strength of Spurious Radiation

Test Band = LTE Band43 _20MHz_3600-3700_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7202.1800	39.98	-43.30	36.60	-61.98	-40.00	21.98	258	356	Horizontal
2	7656.2292	44.70	-42.95	36.50	-57.01	-40.00	17.01	149	197	Horizontal
3	9420.5208	38.64	-39.68	38.48	-57.81	-40.00	17.81	235	19	Horizontal
4	10803.2700	34.50	-38.42	39.22	-59.96	-40.00	19.96	286	0	Horizontal
5	14404.3600	32.12	-34.34	40.08	-57.41	-40.00	17.41	214	295	Horizontal
6	17016.2708	35.14	-33.66	38.51	-55.27	-40.00	15.27	136	50	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	7202.1800	41.95	-43.30	36.60	-60.01	-40.00	20.01	205	67	Vertical
2	7968.6458	45.66	-42.42	36.97	-55.05	-40.00	15.05	188	166	Vertical
3	9858.9583	37.91	-39.23	38.30	-58.28	-40.00	18.28	194	294	Vertical
4	10803.2700	33.71	-38.42	39.22	-60.75	-40.00	20.75	211	356	Vertical
5	14404.3600	32.15	-34.34	40.08	-57.38	-40.00	17.38	259	344	Vertical
6	17031.125	39.33	-33.78	38.52	-51.20	-40.00	11.20	164	19	Vertical



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Test Band = LTE Band43 _20MHz_3600-3700_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7282.1800	39.78	-43.50	36.55	-62.43	-40.00	22.43	209	291	Horizontal
2	8383.6042	40.16	-41.62	37.31	-59.41	-40.00	19.41	278	78	Horizontal
3	9375.9583	38.27	-39.68	38.47	-58.20	-40.00	18.20	144	111	Horizontal
4	10923.2700	32.77	-37.61	39.13	-60.97	-40.00	20.97	156	210	Horizontal
5	14564.3600	31.59	-35.21	39.96	-58.92	-40.00	18.92	203	160	Horizontal
6	16959.25	34.35	-33.89	38.48	-56.33	-40.00	16.33	216	309	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	7282.1800	42.84	-43.50	36.55	-59.37	-40.00	19.37	245	294	Vertical
2	7968.6458	43.58	-42.42	36.97	-57.13	-40.00	17.13	199	195	Vertical
3	9277.7292	38.49	-40.13	38.40	-58.50	-40.00	18.50	184	244	Vertical
4	10923.2700	32.65	-37.61	39.13	-61.09	-40.00	21.09	156	97	Vertical
5	14564.3600	30.58	-35.21	39.96	-59.93	-40.00	19.93	135	178	Vertical
6	16827.9583	33.99	-34.23	38.41	-57.10	-40.00	17.10	170	0	Vertical



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Test Band = LTE Band43 _20MHz_3600-3700_ TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7362.1800	40.36	-43.37	36.51	-61.76	-40.00	21.76	274	116	Horizontal
2	8415.2292	39.88	-41.55	37.36	-59.57	-40.00	19.57	149	356	Horizontal
3	11043.2700	32.86	-37.73	39.08	-61.05	-40.00	21.05	325	1	Horizontal
4	13319.5	33.06	-36.85	40.06	-58.99	-40.00	18.99	150	133	Horizontal
5	14724.3600	30.34	-34.72	39.77	-59.88	-40.00	19.88	165	20	Horizontal
6	17750.3542	33.85	-34.04	40.50	-54.95	-40.00	14.95	227	83	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	7362.1800	44.53	-43.37	36.51	-57.59	-40.00	17.59	219	295	Vertical
2	7968.6458	43.08	-42.42	36.97	-57.63	-40.00	17.63	263	199	Vertical
3	9644.7708	37.36	-39.17	38.39	-58.68	-40.00	18.68	177	344	Vertical
4	11043.2700	33.22	-37.73	39.08	-60.69	-40.00	20.69	201	165	Vertical
5	14724.3600	30.53	-34.72	39.77	-59.69	-40.00	19.69	199	34	Vertical
6	16936.25	33.70	-34.11	38.46	-57.20	-40.00	17.20	234	329	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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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band43	20MHz	QPSK	44090	100RB#0	VL	NT	1.40	0.000384	PASS
Band43	20MHz	QPSK	44090	100RB#0	VN	NT	-4.70	-0.001288	PASS
Band43	20MHz	QPSK	44090	100RB#0	VH	NT	7.00	0.001918	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band43	20MHz	QPSK	44090	100RB#0	NV	-30	5.20	0.001425	PASS
Band43	20MHz	QPSK	44090	100RB#0	NV	-20	-0.40	-0.000110	PASS
Band43	20MHz	QPSK	44090	100RB#0	NV	-10	-1.80	-0.000493	PASS
Band43	20MHz	QPSK	44090	100RB#0	NV	0	9.20	0.002521	PASS
Band43	20MHz	QPSK	44090	100RB#0	NV	10	7.60	0.002082	PASS
Band43	20MHz	QPSK	44090	100RB#0	NV	20	0.80	0.000219	PASS
Band43	20MHz	QPSK	44090	100RB#0	NV	30	-6.90	-0.001890	PASS
Band43	20MHz	QPSK	44090	100RB#0	NV	40	10.10	0.002767	PASS
Band43	20MHz	QPSK	44090	100RB#0	NV	50	7.00	0.001918	PASS

---End of Attachment---



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