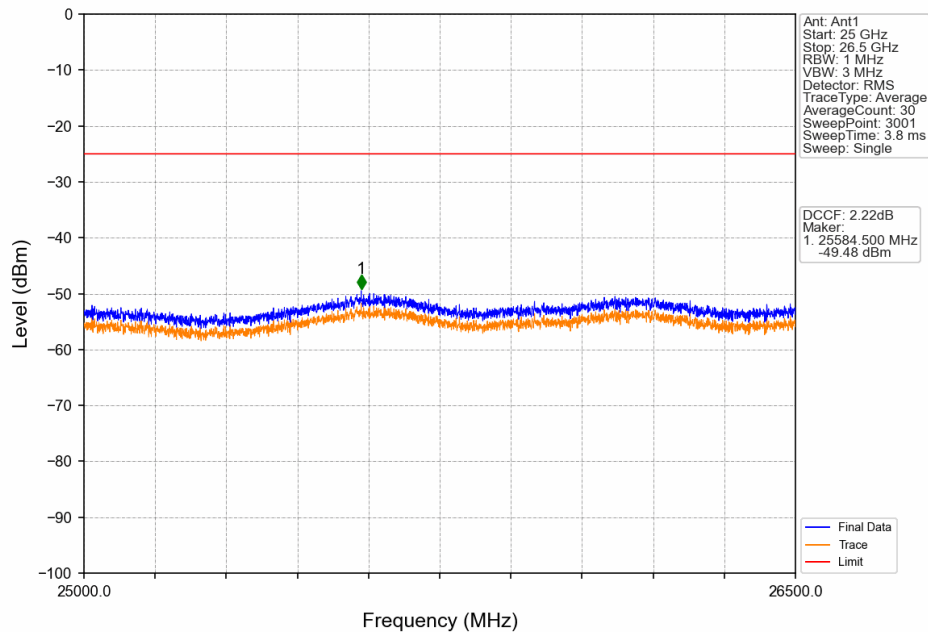


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Band41_20MHz_64QAM_MCH_2593MHz_RB_1_0_NTNV



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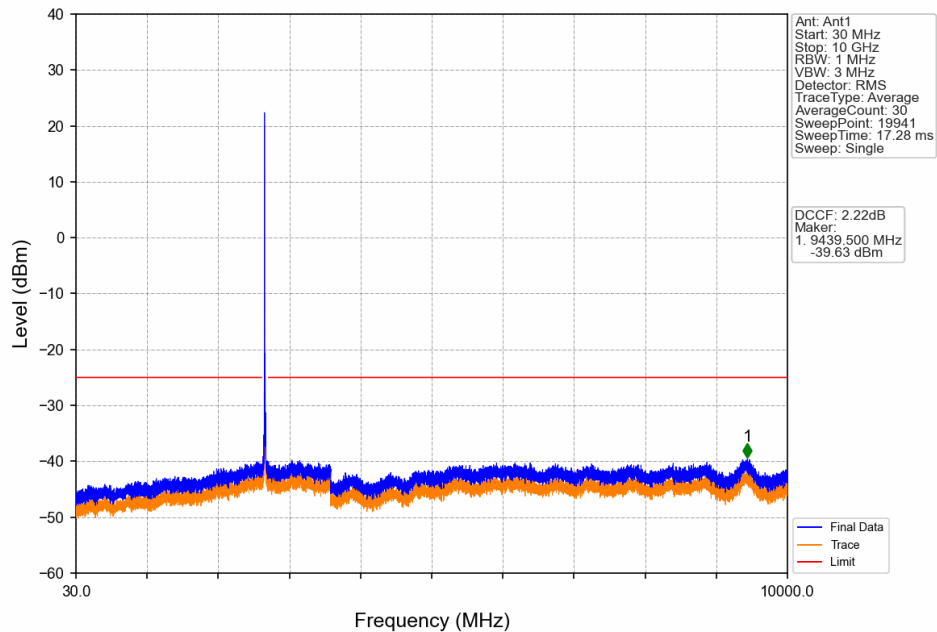
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Band41_20MHz_64QAM_HCH_2680MHz_RB_1_0_NTV



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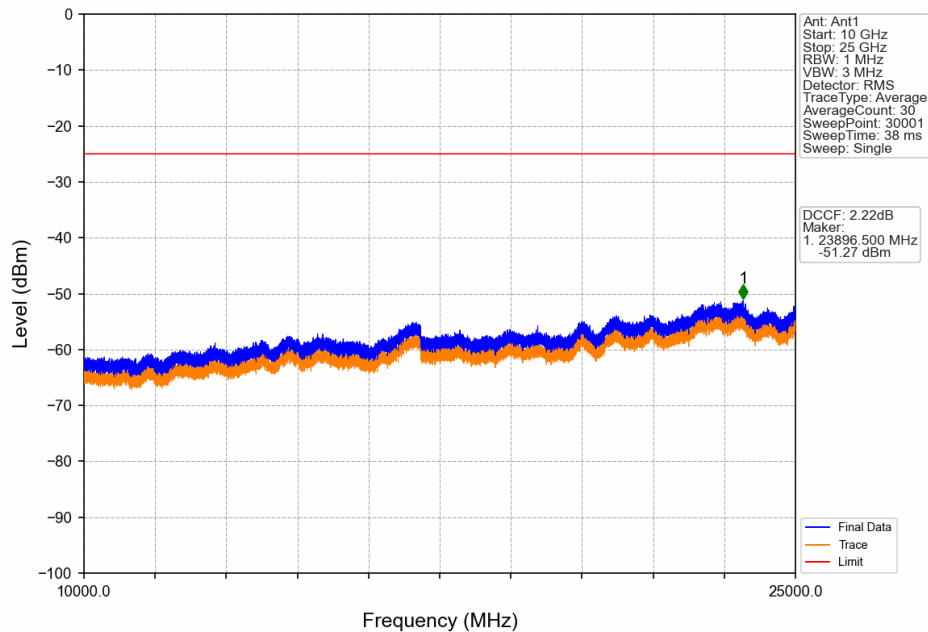
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Band41_20MHz_64QAM_HCH_2680MHz_RB_1_0_NTNV

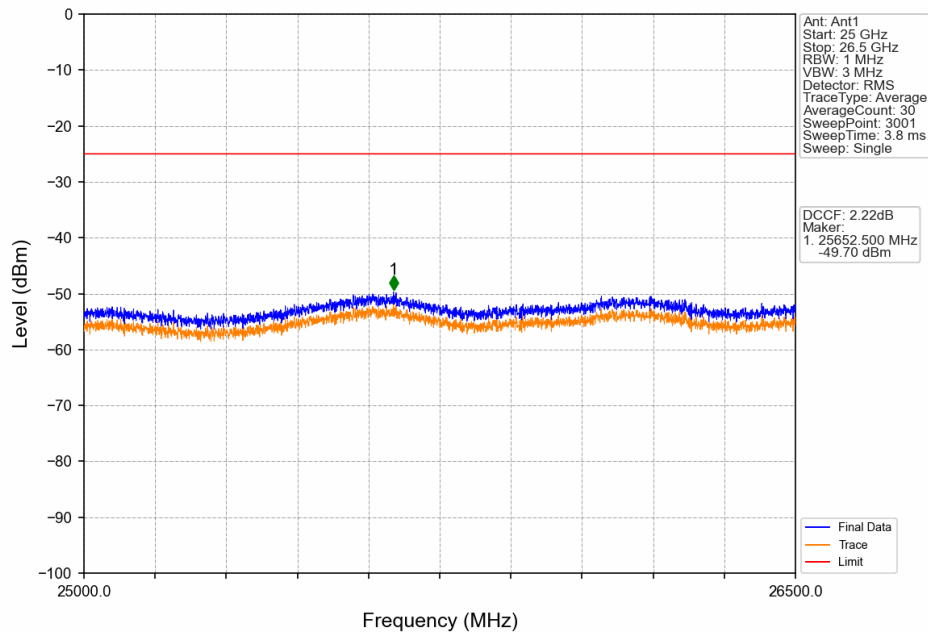


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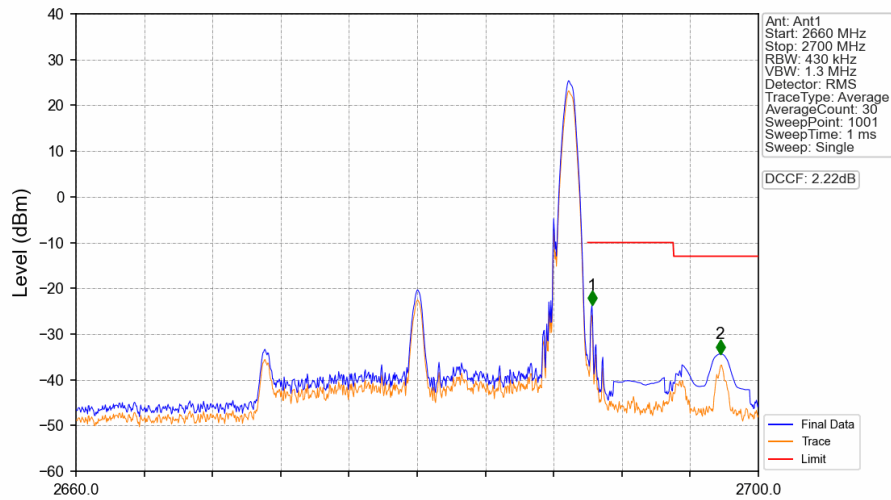


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Band41_20MHz_64QAM_HCH_2680MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2660	2690	0.43	/	/	/	/	/	/
2690	2691	0.43	/	1	2690.240	-23.70	-10	Pass
2691	2700	1	CHP	2	2697.760	-34.34	-13	Pass



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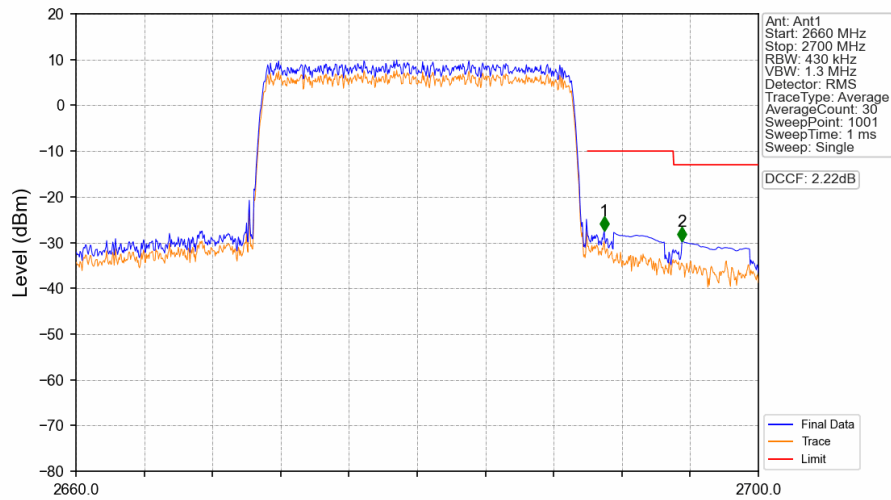
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Band41_20MHz_64QAM_HCH_2680MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2660	2690	0.43	/	/	/	/	/	/
2690	2691	0.43	/	1	2690.960	-27.52	-10	Pass
2691	2700	1	CHP	2	2695.520	-29.68	-13	Pass



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5. Effective (Isotropic) Radiated Power Output Data

ANT1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	26.46	27.7	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	26.52	27.76	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	26.42	27.66	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	25.51	26.75	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	26.23	27.47	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.29	27.53	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	26.25	27.49	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	25.38	26.62	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	26.21	27.45	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	26.19	27.43	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	26.17	27.41	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	25.24	26.48	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	25.61	26.85	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	25.7	26.94	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	25.64	26.88	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	24.56	25.8	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.37	26.61	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.51	26.75	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.4	26.64	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	24.39	25.63	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	25.37	26.61	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	25.5	26.74	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	25.32	26.56	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	24.28	25.52	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	24.07	25.31	33.00	PASS



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Band41	5MHz	64QAM	39675	1RB#12	24.03	25.27	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	24.14	25.38	33.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	23.61	24.85	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	23.98	25.22	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	24	25.24	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	23.96	25.2	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	23.45	24.69	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	23.96	25.2	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	23.9	25.14	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	23.91	25.15	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	23.32	24.56	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	26.45	27.69	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	26.4	27.64	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	26.5	27.74	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	25.5	26.74	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	26.05	27.29	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	26.25	27.49	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	26	27.24	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	25.33	26.57	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	26.19	27.43	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	26.16	27.4	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	26.14	27.38	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	25.2	26.44	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	25.64	26.88	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	25.63	26.87	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	25.62	26.86	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	24.53	25.77	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	25.24	26.48	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	25.43	26.67	33.00	PASS



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Band41	10MHz	16QAM	40620	1RB#49	25.15	26.39	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	24.36	25.6	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	25.39	26.63	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	25.38	26.62	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	25.34	26.58	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	24.27	25.51	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	24.07	25.31	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	24.08	25.32	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	24.13	25.37	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	23.56	24.8	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	23.77	25.01	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	24.01	25.25	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	23.7	24.94	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	23.36	24.6	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	23.83	25.07	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	23.88	25.12	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	23.85	25.09	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	23.24	24.48	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	26.4	27.64	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	26.46	27.7	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	26.48	27.72	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	25.52	26.76	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.1	27.34	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	26.27	27.51	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	26.08	27.32	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	25.31	26.55	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	26.14	27.38	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	26.09	27.33	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	26.14	27.38	33.00	PASS



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Band41	15MHz	QPSK	41515	75RB#0	25.17	26.41	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	25.49	26.73	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	25.54	26.78	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	25.57	26.81	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	24.53	25.77	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.23	26.47	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	25.4	26.64	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.18	26.42	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	24.32	25.56	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.24	26.48	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	25.2	26.44	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	25.27	26.51	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	24.17	25.41	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	24	25.24	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	24.12	25.36	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	24.17	25.41	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	23.54	24.78	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	23.79	25.03	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	23.99	25.23	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	23.78	25.02	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	23.37	24.61	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	23.8	25.04	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	23.8	25.04	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	23.84	25.08	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	23.21	24.45	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	26.38	27.62	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	26.47	27.71	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	26.44	27.68	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	25.47	26.71	33.00	PASS



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Band41	20MHz	QPSK	40620	1RB#0	25.95	27.19	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.26	27.5	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.91	27.15	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	25.28	26.52	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	26.11	27.35	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	26.07	27.31	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	26.09	27.33	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	25.19	26.43	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	25.49	26.73	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	25.54	26.78	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	25.54	26.78	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	24.48	25.72	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	25.08	26.32	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.35	26.59	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	24.99	26.23	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	24.32	25.56	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	25.21	26.45	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	25.16	26.4	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	25.21	26.45	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	24.2	25.44	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	23.99	25.23	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	24.09	25.33	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	24.15	25.39	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	23.51	24.75	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	23.63	24.87	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	23.96	25.2	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	23.56	24.8	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	23.3	24.54	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	23.8	25.04	33.00	PASS



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Band41	20MHz	64QAM	41490	1RB#49	23.77	25.01	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	23.79	25.03	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	23.2	24.44	33.00	PASS



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6. Field Strength of Spurious Radiation

Test Band = LTE Band41_ TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.1800	41.18	-45.63	31.39	-68.33	-25.00	43.33	Horizontal
2	7491.2700	37.69	-43.16	36.58	-64.16	-25.00	39.16	Horizontal
3	9988.3600	32.69	-39.25	38.18	-63.64	-25.00	38.64	Horizontal
4	12485.4500	28.16	-37.04	38.95	-65.19	-25.00	40.19	Horizontal
5	14982.5400	24.98	-34.64	41.29	-63.63	-25.00	38.63	Horizontal
6	17479.6300	28.36	-35.10	44.46	-57.54	-25.00	32.54	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.1800	41.16	-45.63	31.39	-68.35	-25.00	43.35	Vertical
2	7491.2700	37.99	-43.16	36.58	-63.86	-25.00	38.86	Vertical
3	9988.3600	33.08	-39.25	38.18	-63.25	-25.00	38.25	Vertical
4	12485.4500	27.78	-37.04	38.95	-65.57	-25.00	40.57	Vertical
5	14982.5400	25.31	-34.64	41.29	-63.30	-25.00	38.30	Vertical
6	17479.6300	30.24	-35.10	44.46	-55.66	-25.00	30.66	Vertical



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Test Band = LTE Band41_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4004	43.41	-46.03	29.11	-68.77	-25.00	43.77	Horizontal
2	5168.1800	41.09	-45.31	31.80	-67.67	-25.00	42.67	Horizontal
3	7752.2700	38.25	-42.69	36.70	-63.00	-25.00	38.00	Horizontal
4	10336.3600	32.65	-39.06	38.37	-63.30	-25.00	38.30	Horizontal
5	12920.4500	29.09	-37.16	39.08	-64.25	-25.00	39.25	Horizontal
6	15504.5400	26.33	-35.35	40.24	-64.04	-25.00	39.04	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3957	43.81	-46.14	29.06	-68.54	-25.00	43.54	Vertical
2	5168.1800	41.03	-45.31	31.80	-67.73	-25.00	42.73	Vertical
3	7752.2700	38.12	-42.69	36.70	-63.13	-25.00	38.13	Vertical
4	10336.3600	32.79	-39.06	38.37	-63.16	-25.00	38.16	Vertical
5	12920.4500	28.60	-37.16	39.08	-64.74	-25.00	39.74	Vertical
6	15504.5400	25.81	-35.35	40.24	-64.56	-25.00	39.56	Vertical



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Test Band = LTE Band41_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4384	42.85	-45.78	30.02	-68.16	-25.00	43.16	Horizontal
2	5255.1800	40.08	-45.17	32.01	-68.34	-25.00	43.34	Horizontal
3	7882.7700	37.36	-42.73	36.75	-63.88	-25.00	38.88	Horizontal
4	10510.3600	30.79	-38.77	38.46	-64.78	-25.00	39.78	Horizontal
5	13137.9500	26.94	-37.08	39.35	-66.05	-25.00	41.05	Horizontal
6	15765.5400	24.71	-33.24	39.69	-64.10	-25.00	39.10	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4280.5	42.79	-45.58	29.77	-68.28	-25.00	43.28	Vertical
2	5255.1800	40.42	-45.17	32.01	-68.00	-25.00	43.00	Vertical
3	7882.7700	38.14	-42.73	36.75	-63.10	-25.00	38.10	Vertical
4	10510.3600	31.34	-38.77	38.46	-64.23	-25.00	39.23	Vertical
5	13137.9500	26.75	-37.08	39.35	-66.24	-25.00	41.24	Vertical
6	15765.5400	24.58	-33.24	39.69	-64.23	-25.00	39.23	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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