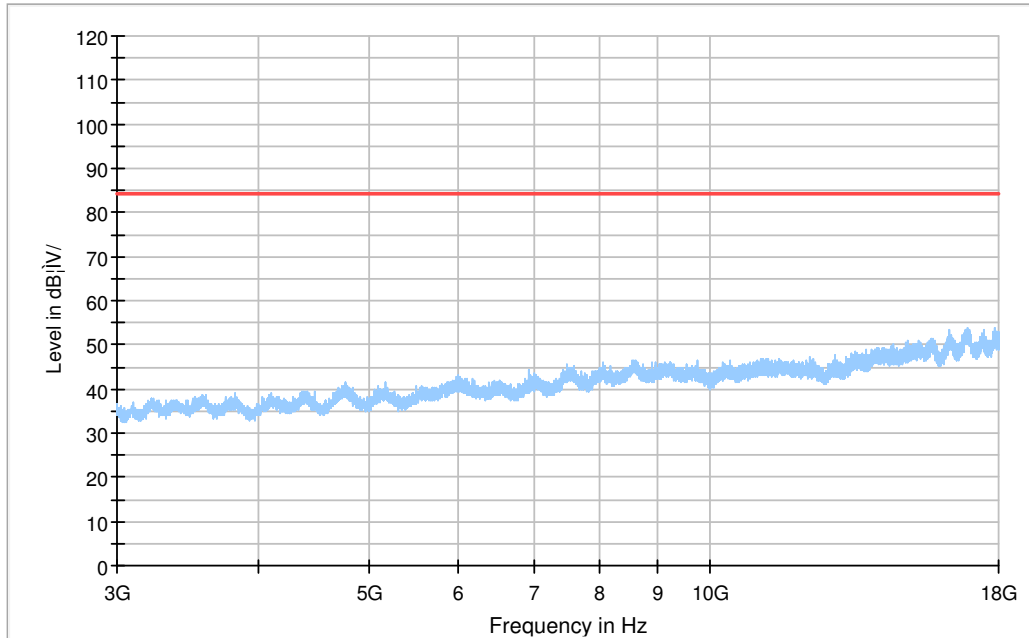


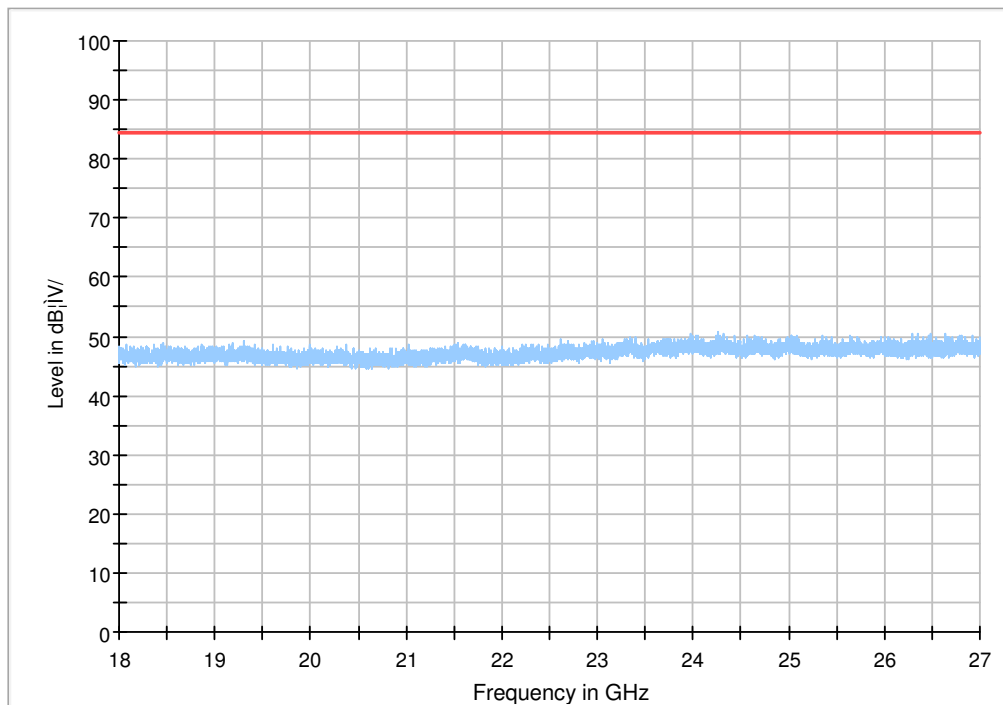
3-18GHz, Horizontal and Vertical

Full Spectrum



18-27GHz, Horizontal and Vertical

Full Spectrum



TEST REPORT

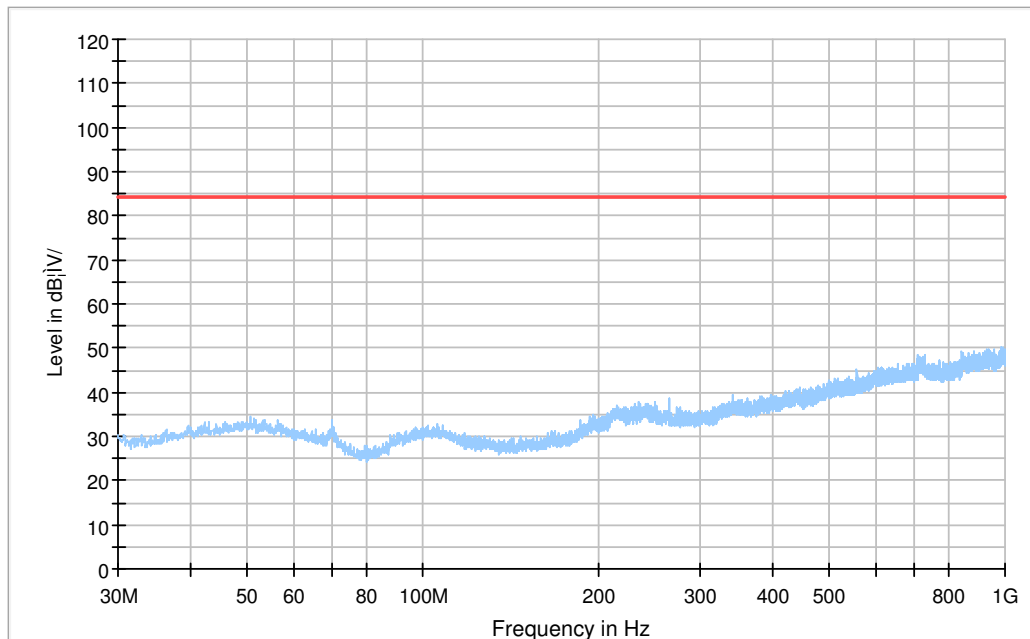
Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
NR-MIMO-2C	B	2 Carrier	40MHz	QPSK

Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
NR-MIMO-2C	M	2 Carrier	40MHz	QPSK

Polarization	Frequency (MHz)	Emission level RMS (dB μ V/m)	Limits (dB μ V/m)	Margin (dB μ V/m)
Vertical	2895.351632	61.3	84.4	23.1

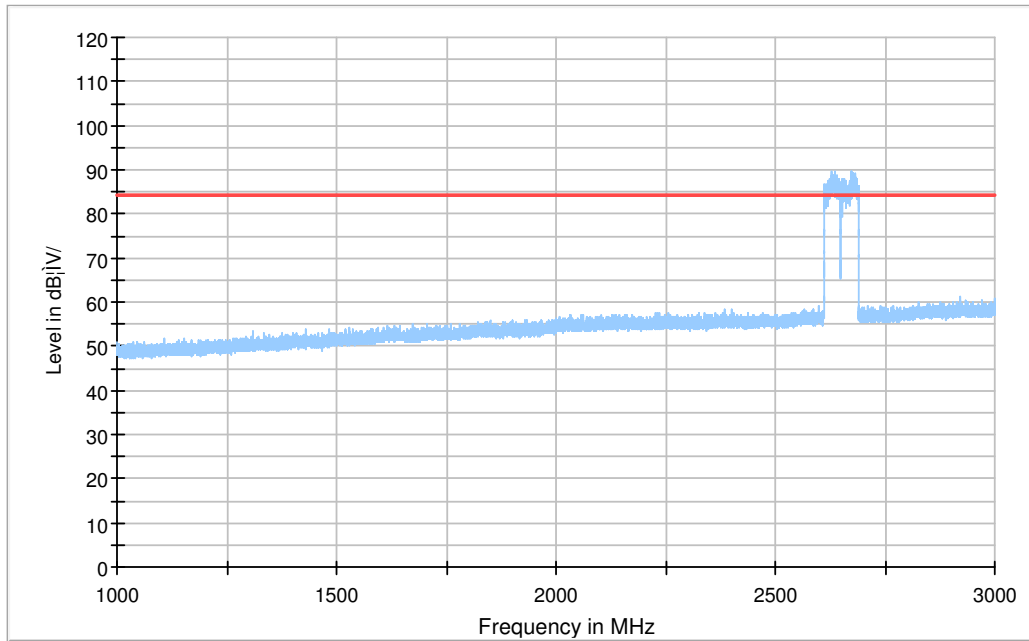
30-1000MHz, Horizontal and Vertical

Full Spectrum



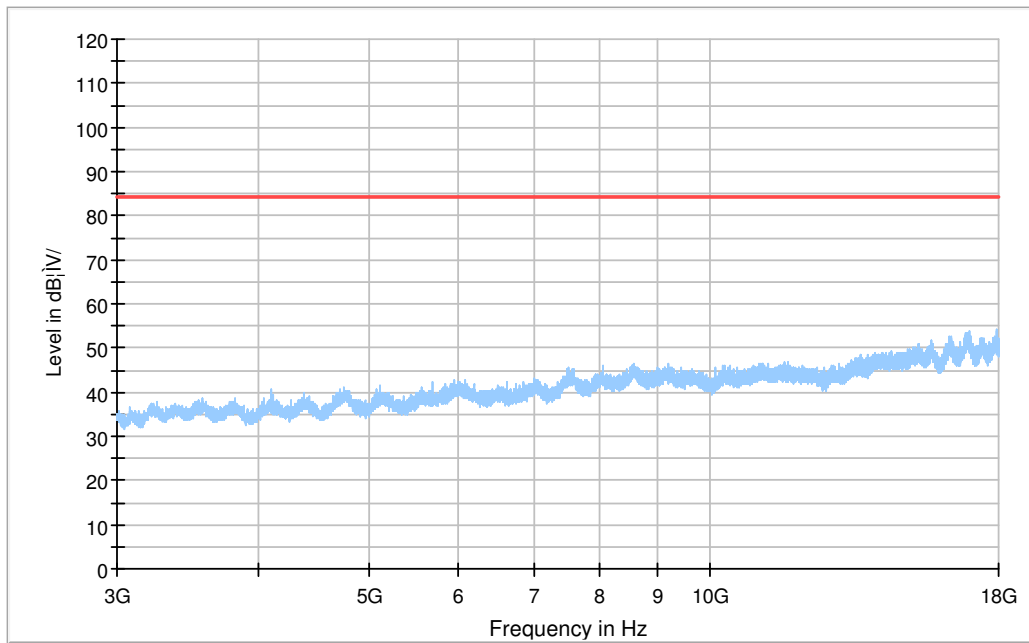
1-3GHz, Horizontal and Vertical

Full Spectrum



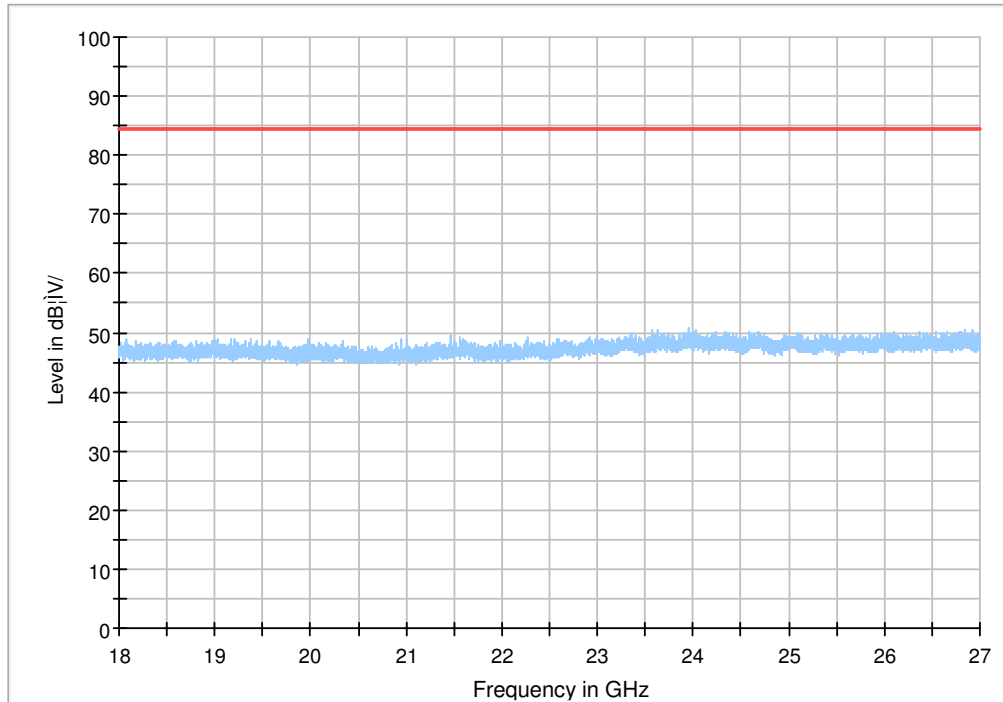
3-18GHz, Horizontal and Vertical

Full Spectrum



18-27GHz, Horizontal and Vertical

Full Spectrum



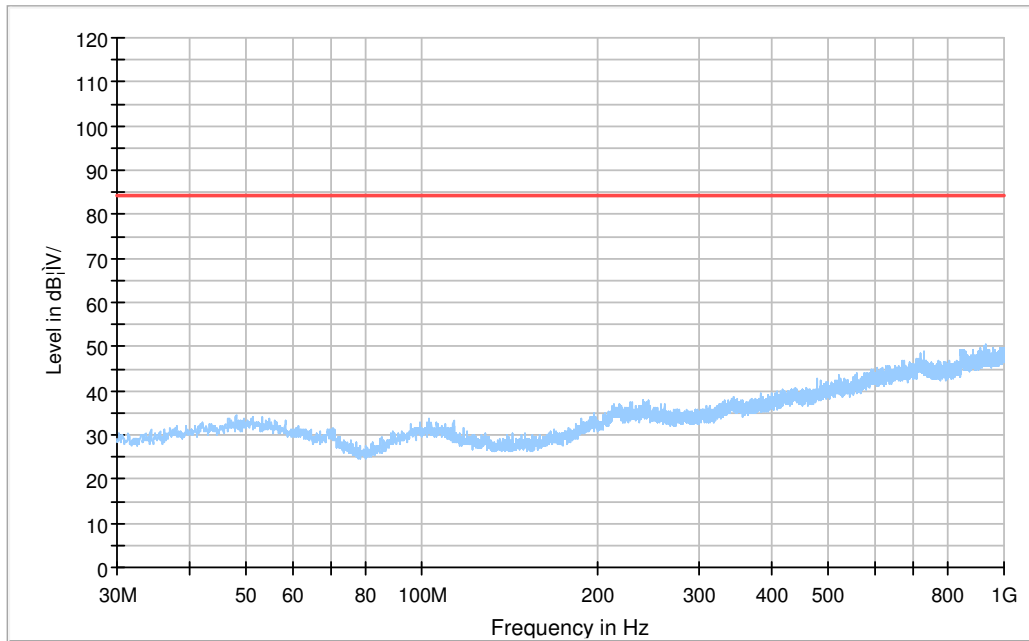
Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
NR-MIMO-2C	B	2 Carrier	70MHz	QPSK

Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
NR-MIMO-2C	M	2 Carrier	70MHz	QPSK

Polarization	Frequency (MHz)	Emission level RMS (dBμV/m)	Limits (dBμV/m)	Margin (dBμV/m)
Vertical	2885.025832	60.8	84.4	23.6

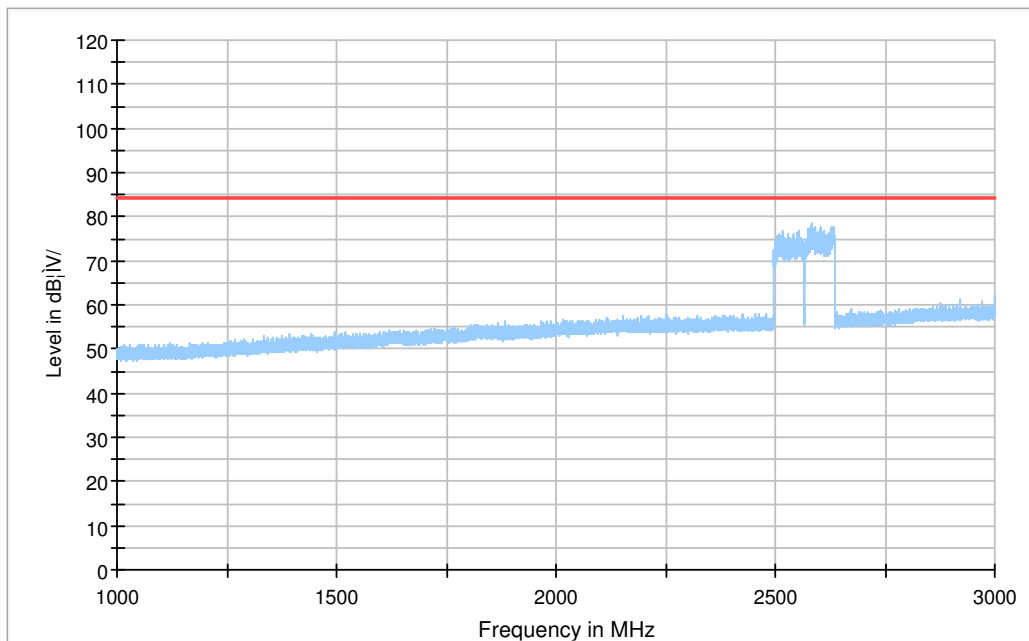
30-1000MHz, Horizontal and Vertical

Full Spectrum



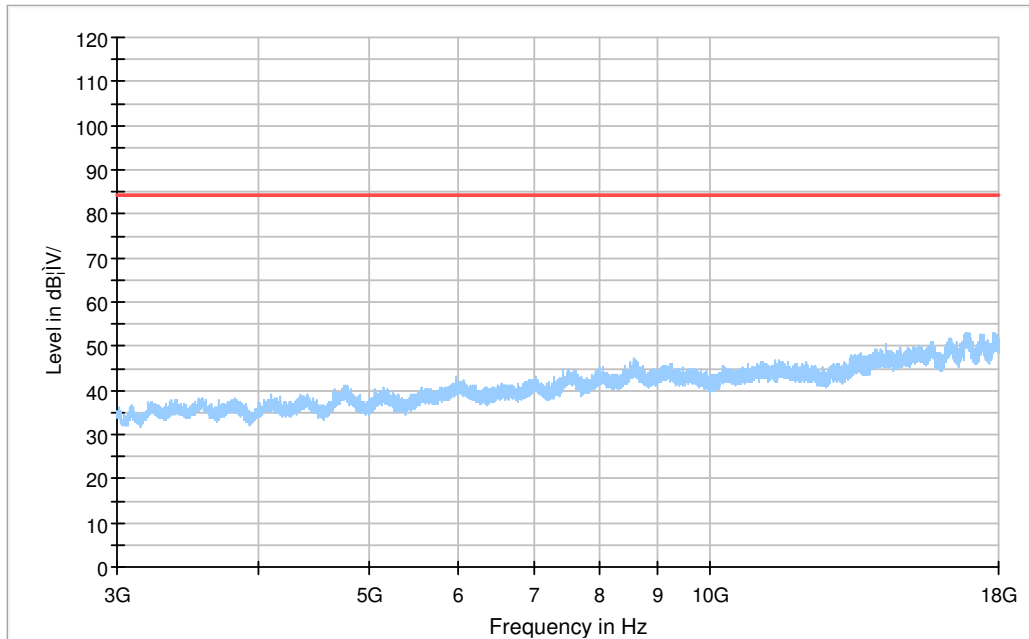
1-3GHz, Horizontal and Vertical

Full Spectrum



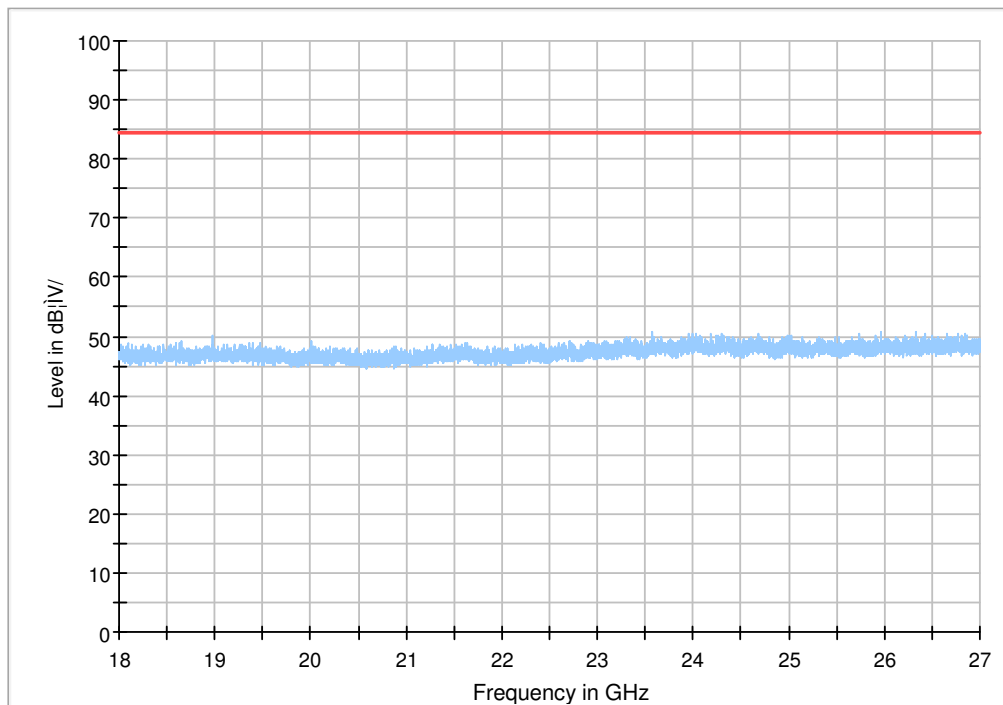
3-18GHz, Horizontal and Vertical

Full Spectrum



18-27GHz, Horizontal and Vertical

Full Spectrum



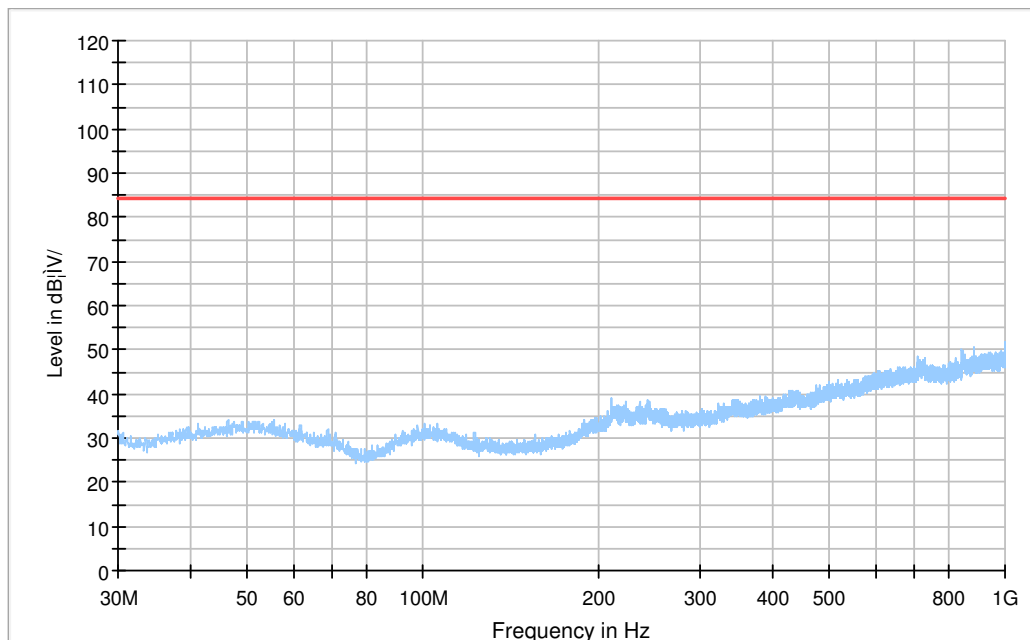
Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
NR-MIMO-6C	B	6 Carrier	20MHz	QPSK

Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
NR-MIMO-6C	M	6 Carrier	20MHz	QPSK

Polarization	Frequency (MHz)	Emission level RMS (dB μ V/m)	Limits (dB μ V/m)	Margin (dB μ V/m)
Vertical	2804.264384	60.9	84.4	23.5

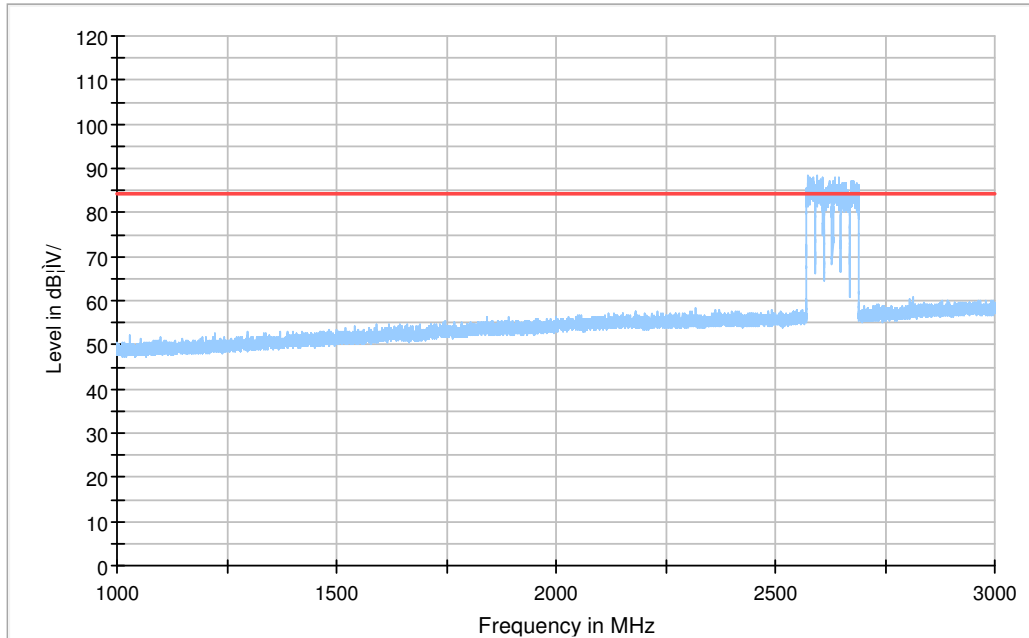
30-1000MHz, Horizontal and Vertical

Full Spectrum



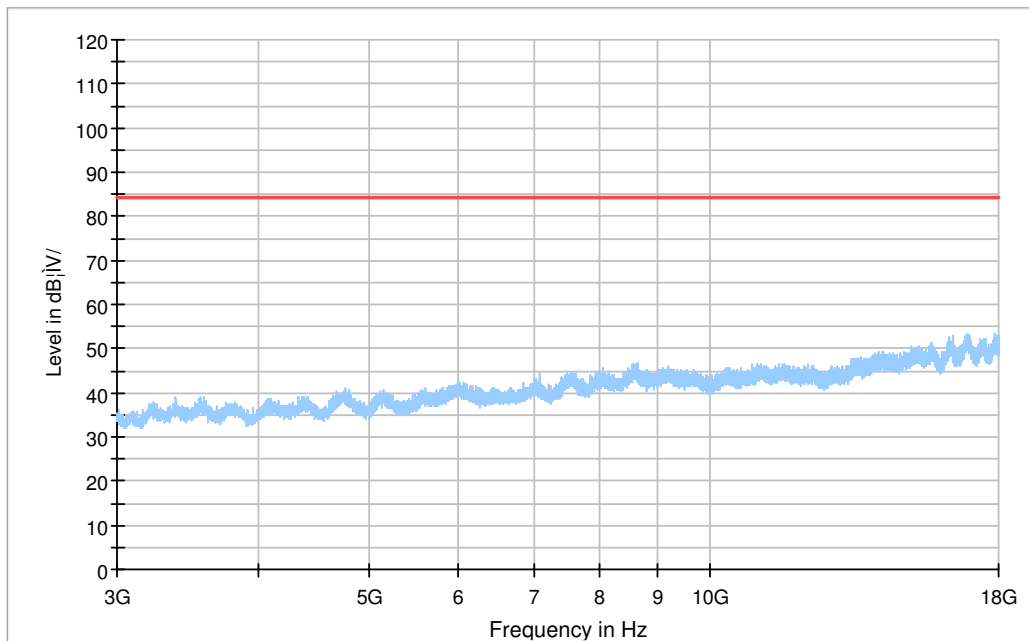
1-3GHz, Horizontal and Vertical

Full Spectrum



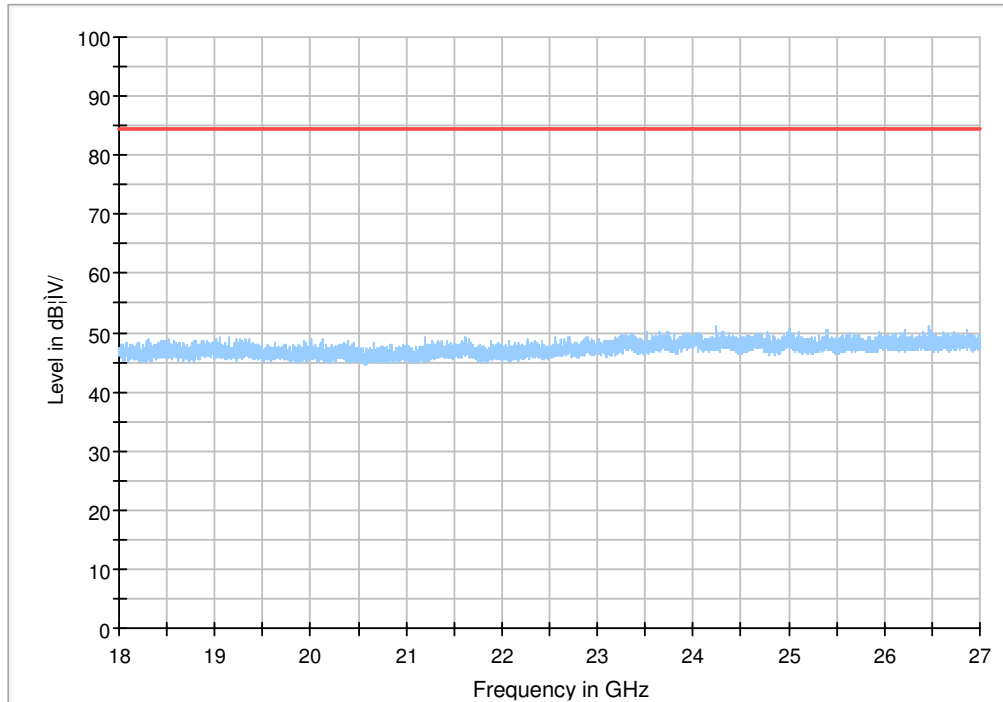
3-18GHz, Horizontal and Vertical

Full Spectrum



18-27GHz, Horizontal and Vertical

Full Spectrum



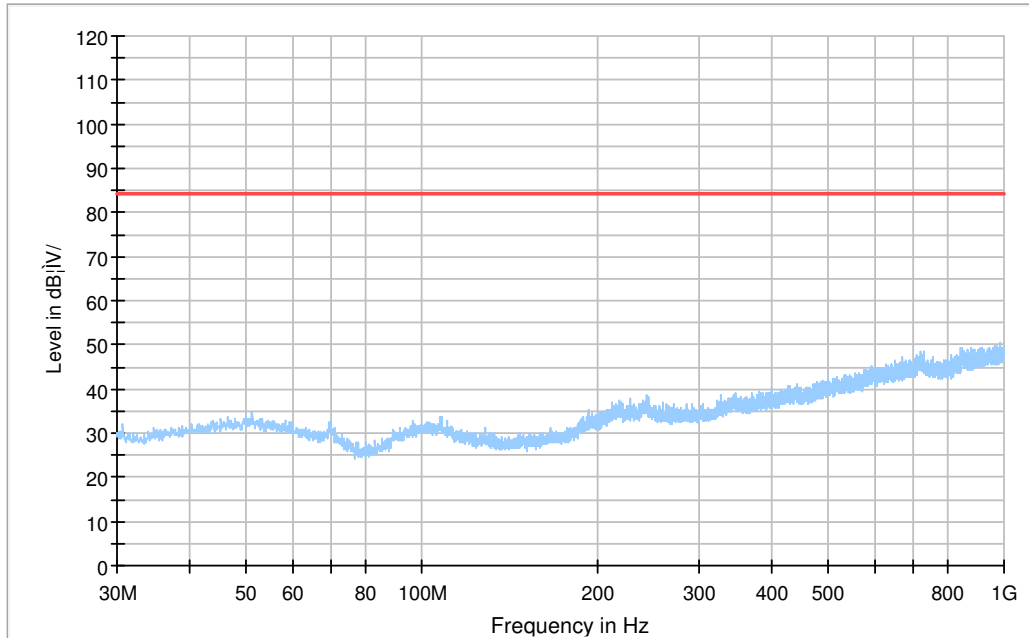
Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
NR-MIMO-MC	B	2 Carrier	100MHz+60MHz	QPSK

Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
NR-MIMO-MC	M	2 Carrier	100MHz+60MHz	QPSK

Polarization	Frequency (MHz)	Emission level RMS (dBμV/m)	Limits (dBμV/m)	Margin (dBμV/m)
Vertical	2854.582862	60.7	84.4	23.7

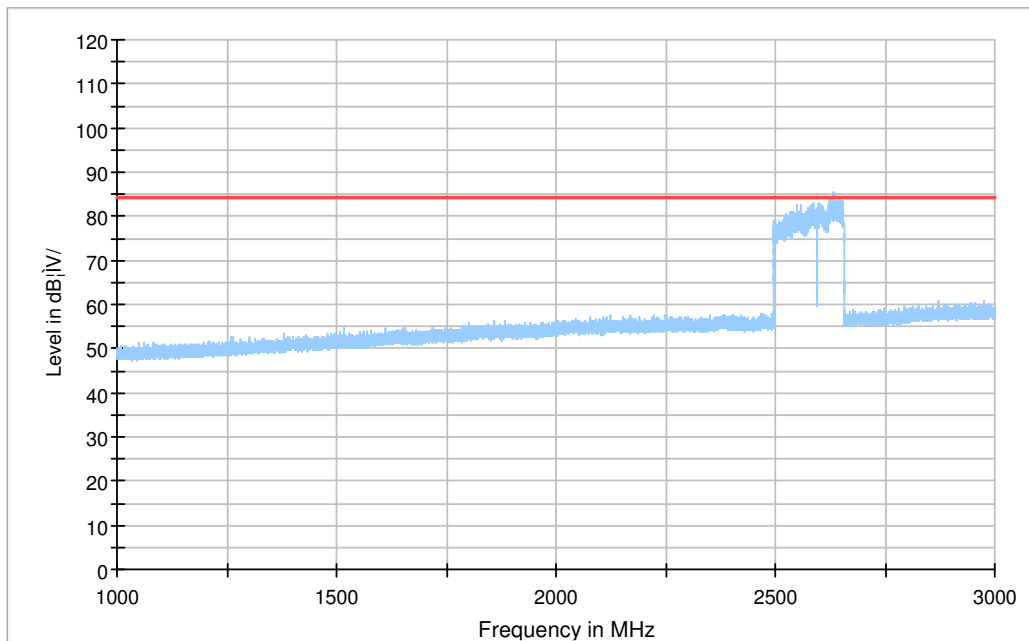
30-1000MHz, Horizontal and Vertical

Full Spectrum



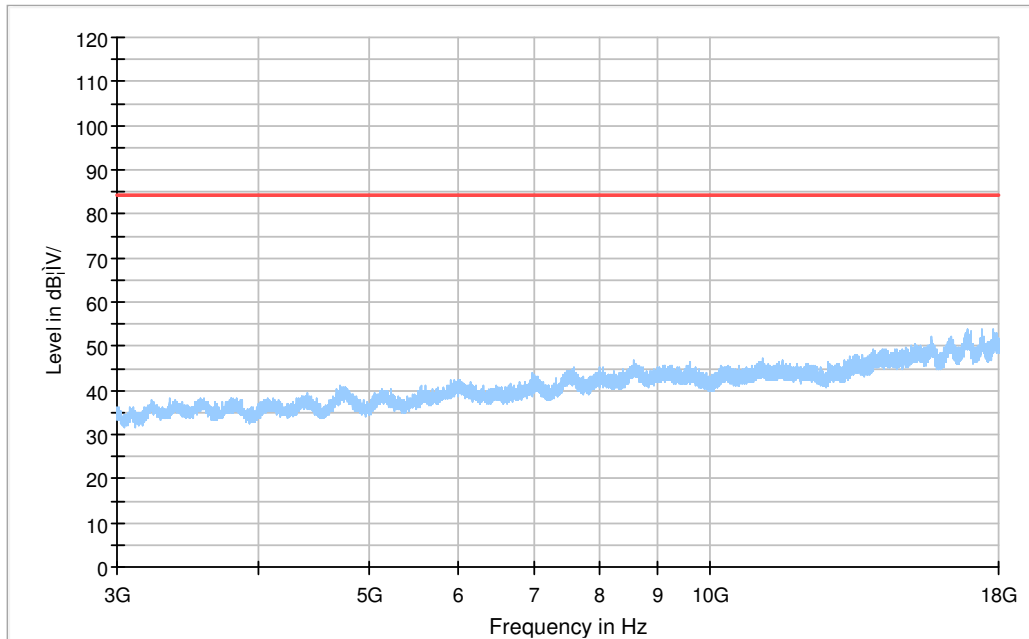
1-3GHz, Horizontal and Vertical

Full Spectrum



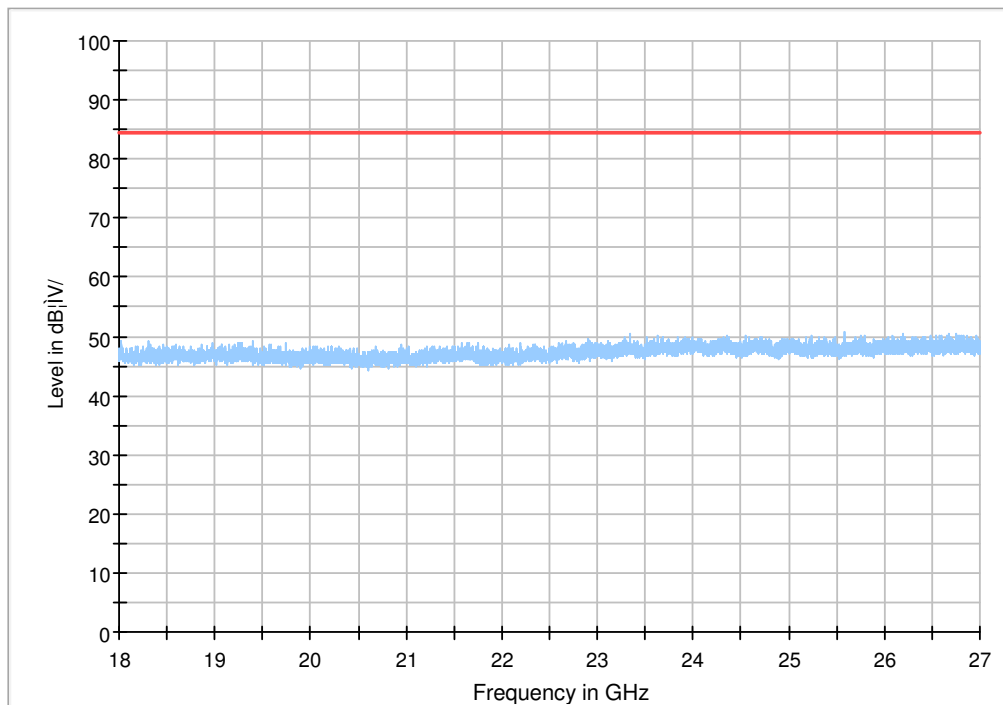
3-18GHz, Horizontal and Vertical

Full Spectrum



18-27GHz, Horizontal and Vertical

Full Spectrum



TEST REPORT

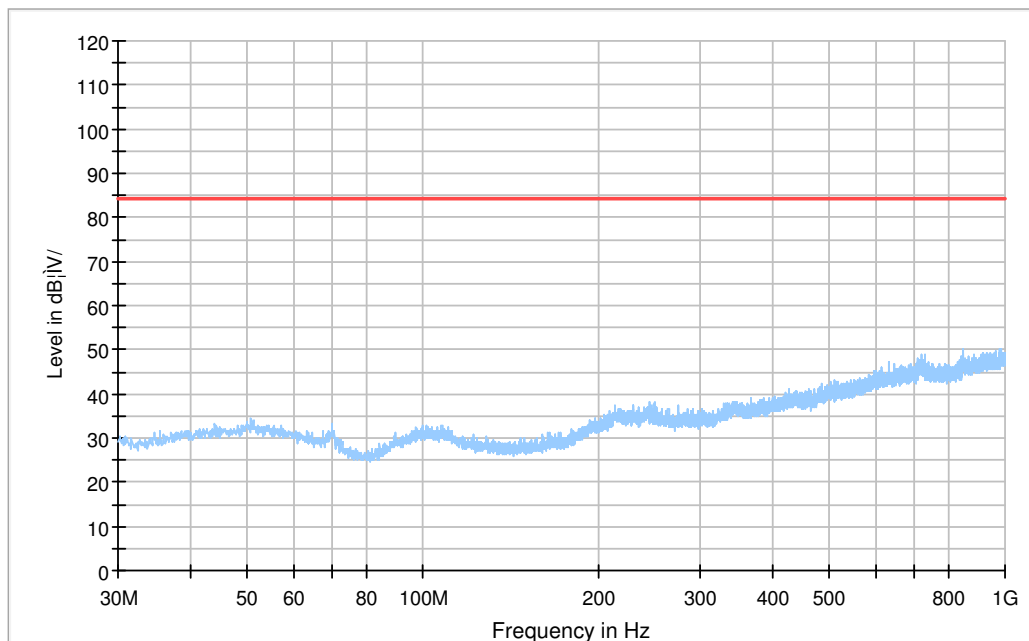
Configuration	Channel Position	Carrier	NR Carrier Bandwidth	LTE Carrier Bandwidth	NR Modulation	LTE Modulation
NR+LTE-MIMO-MC-1	B	1NR+1LTE	100MHz	20MHz	QPSK	QPSK

Configuration	Channel Position	Carrier	NR Carrier Bandwidth	LTE Carrier Bandwidth	NR Modulation	LTE Modulation
NR+LTE-MIMO-MC-1	T	1NR+1LTE	100MHz	20MHz	QPSK	QPSK

Polarization	Frequency (MHz)	Emission level RMS (dBμV/m)	Limits (dBμV/m)	Margin (dBμV/m)
Vertical	2892.274852	61.7	84.4	22.7

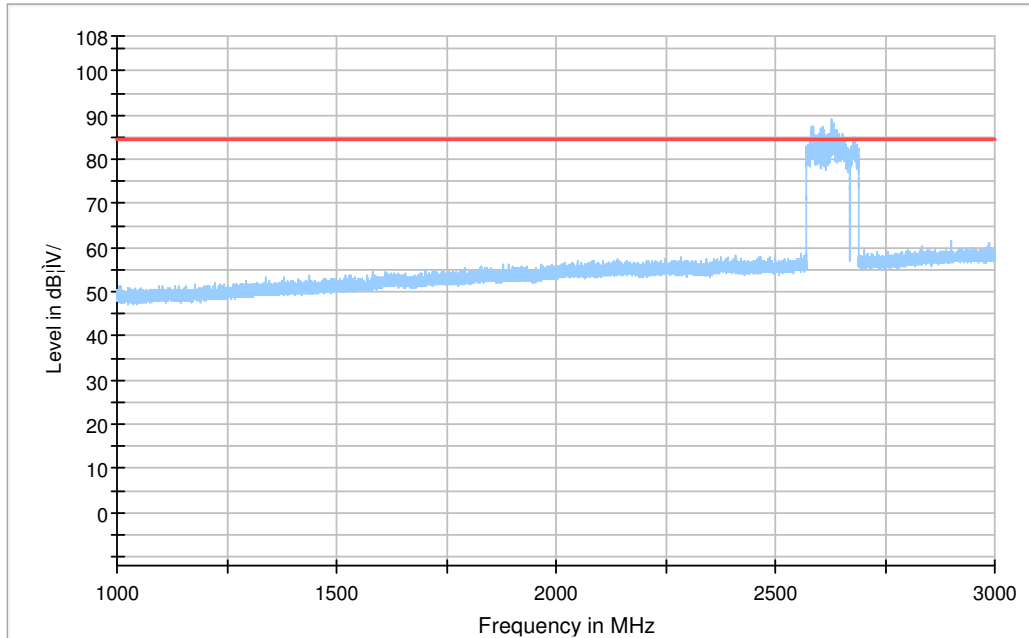
30-1000MHz, Horizontal and Vertical

Full Spectrum



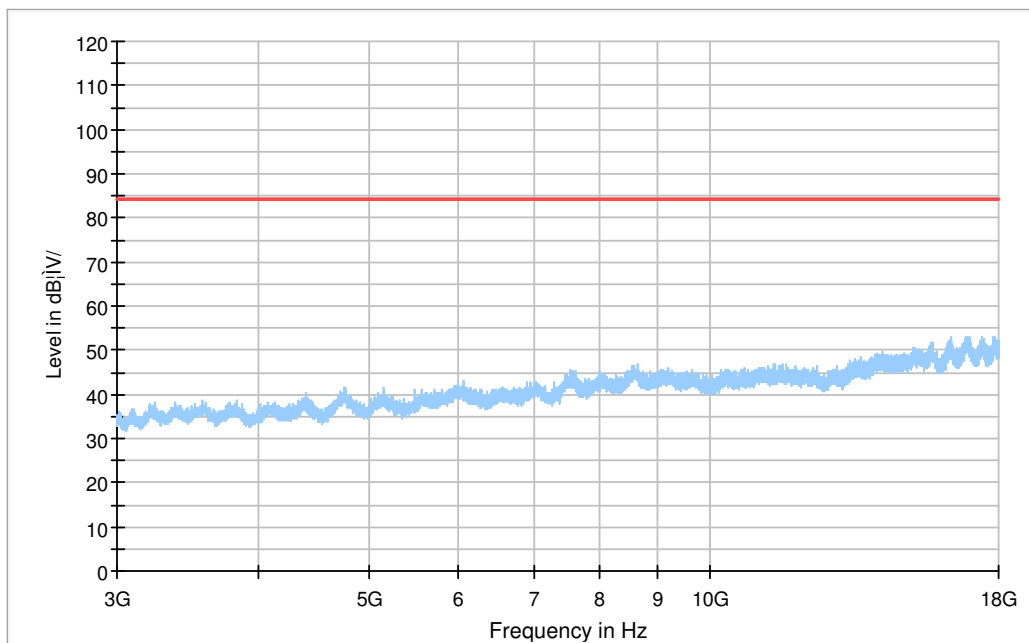
1-3GHz, Horizontal and Vertical

Full Spectrum



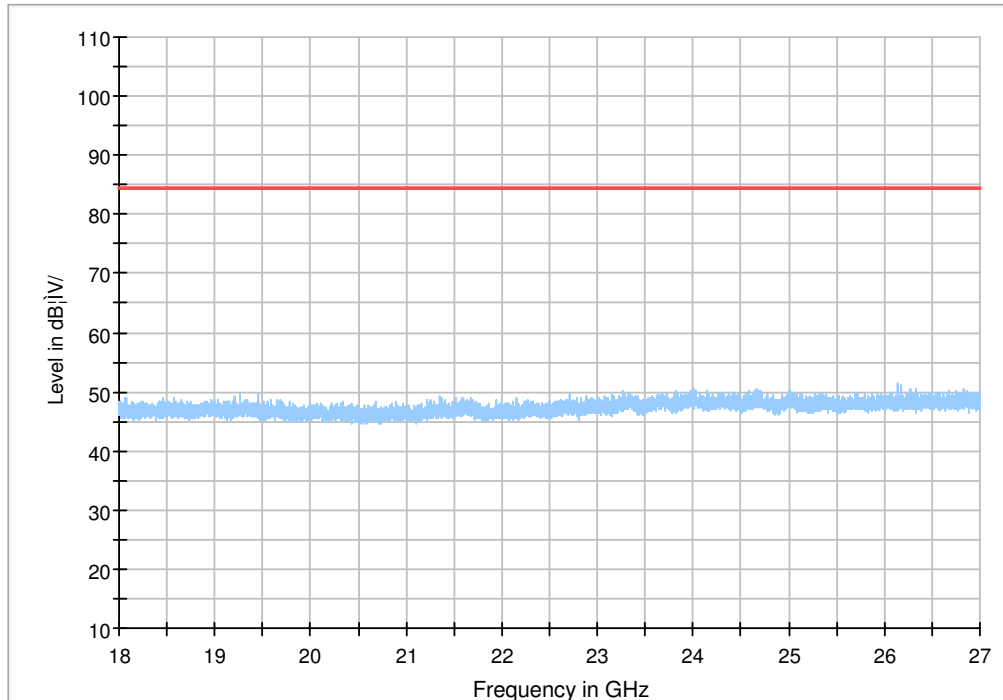
3-18GHz, Horizontal and Vertical

Full Spectrum



18-27GHz, Horizontal and Vertical

Full Spectrum



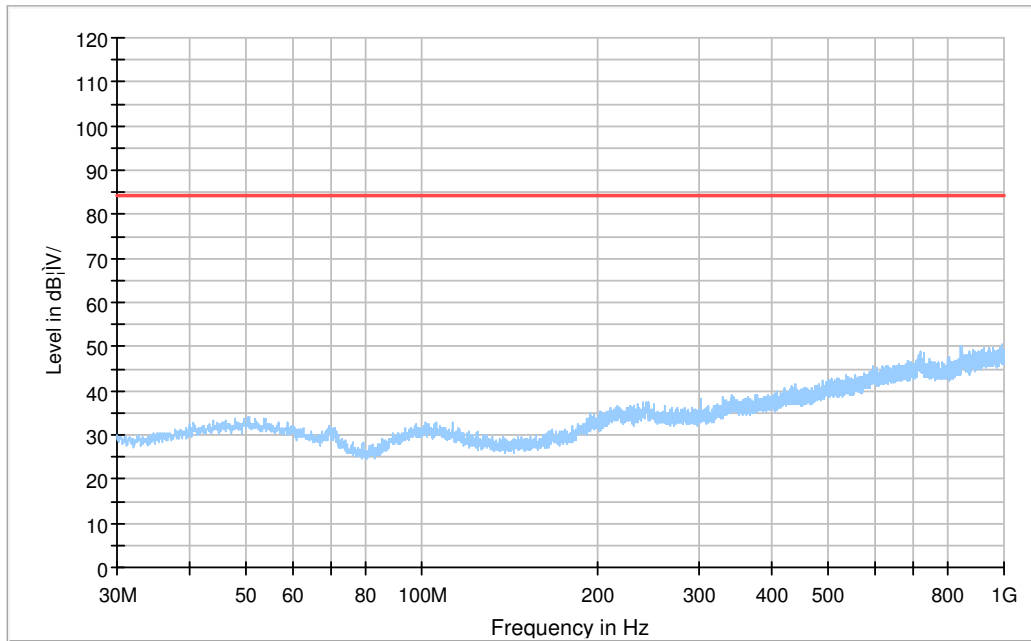
Configuration	Channel Position	Carrier	NR Carrier Bandwidth	LTE Carrier Bandwidth	NR Modulation	LTE Modulation
NR+LTE-MIMO-MC-2	B	1NR+2LTE	100MHz	20MHz	QPSK	QPSK

Configuration	Channel Position	Carrier	NR Carrier Bandwidth	LTE Carrier Bandwidth	NR Modulation	LTE Modulation
NR+LTE-MIMO-MC-2	T	1NR+2LTE	100MHz	20MHz	QPSK	QPSK

Polarization	Frequency (MHz)	Emission level RMS (dBμV/m)	Limits (dBμV/m)	Margin (dBμV/m)
Vertical	2892.374832	60.6	84.4	23.8

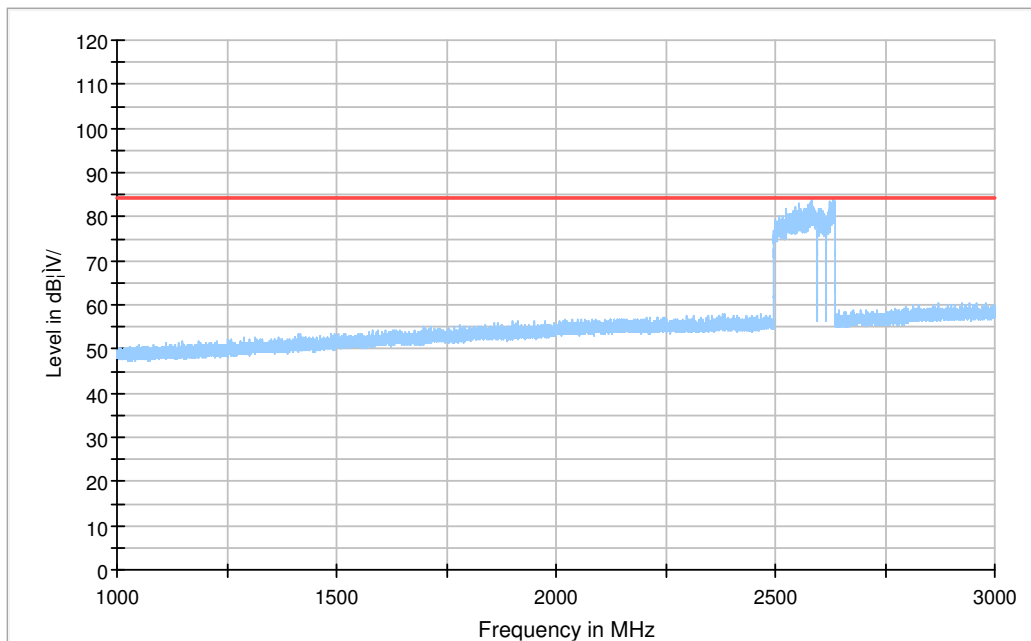
30-1000MHz, Horizontal and Vertical

Full Spectrum



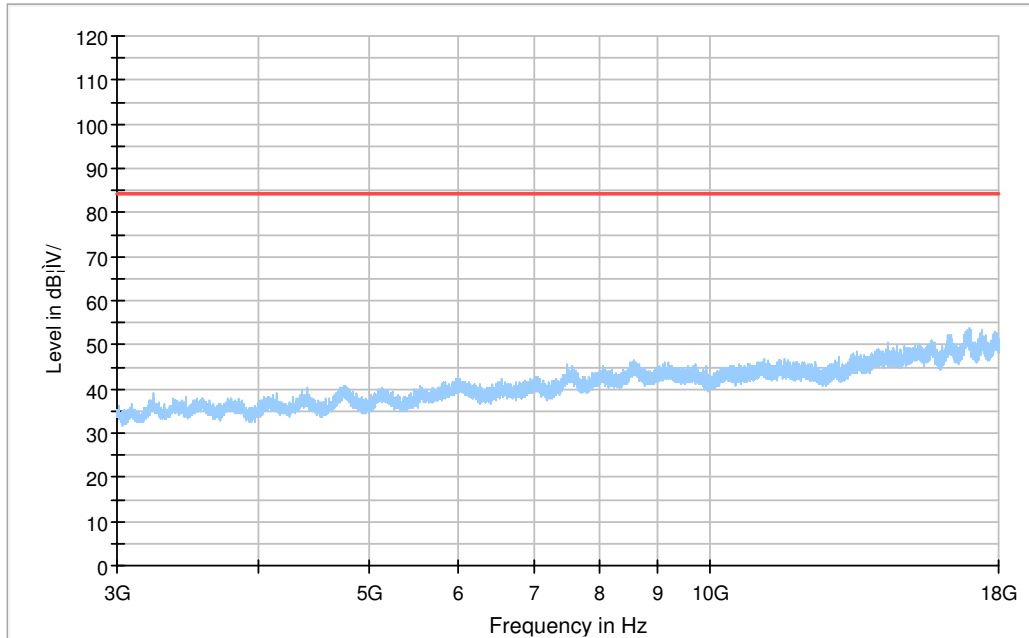
1-3GHz, Horizontal and Vertical

Full Spectrum



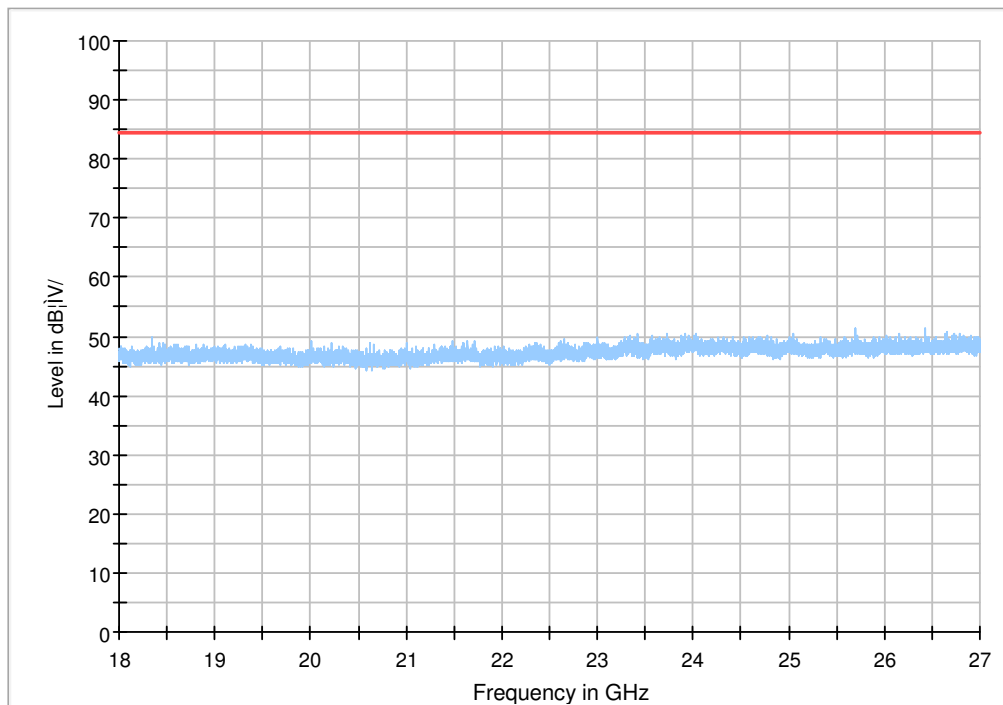
3-18GHz, Horizontal and Vertical

Full Spectrum



18-27GHz, Horizontal and Vertical

Full Spectrum



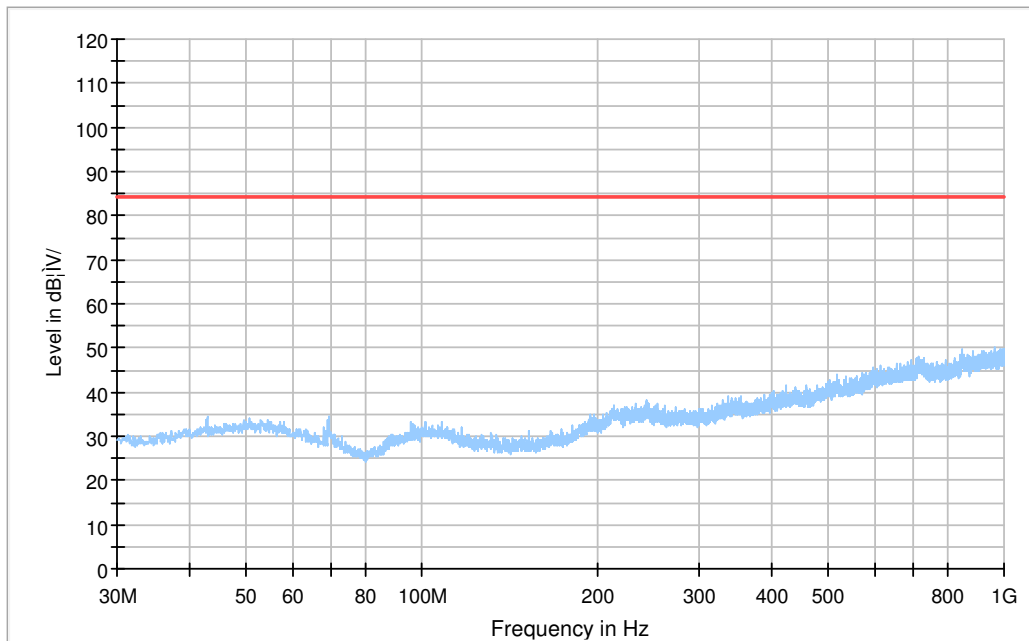
Configuration	Channel Position	Carrier	NR Carrier Bandwidth	LTE Carrier Bandwidth	NR Modulation	LTE Modulation
NR+LTE-MIMO-MC-3	B	3NR+3LTE	20MHz	20MHz	QPSK	QPSK

Configuration	Channel Position	Carrier	NR Carrier Bandwidth	LTE Carrier Bandwidth	NR Modulation	LTE Modulation
NR+LTE-MIMO-MC-3	T	3NR+3LTE	20MHz	20MHz	QPSK	QPSK

Polarization	Frequency (MHz)	Emission level RMS (dBμV/m)	Limits (dBμV/m)	Margin (dBμV/m)
Vertical	2953.227478	61.5	84.4	22.9

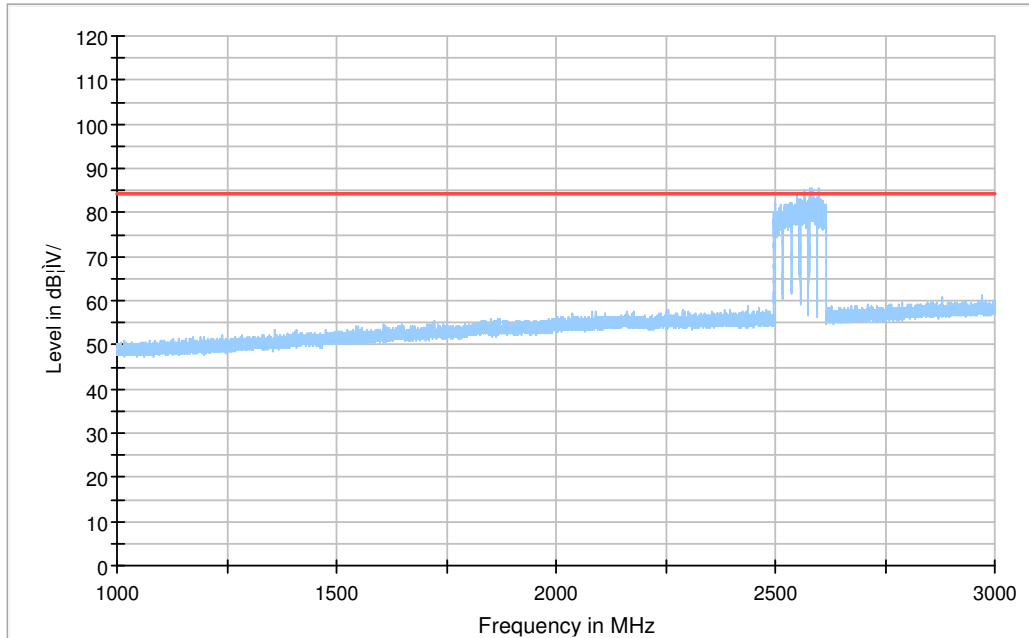
30-1000MHz, Horizontal and Vertical

Full Spectrum



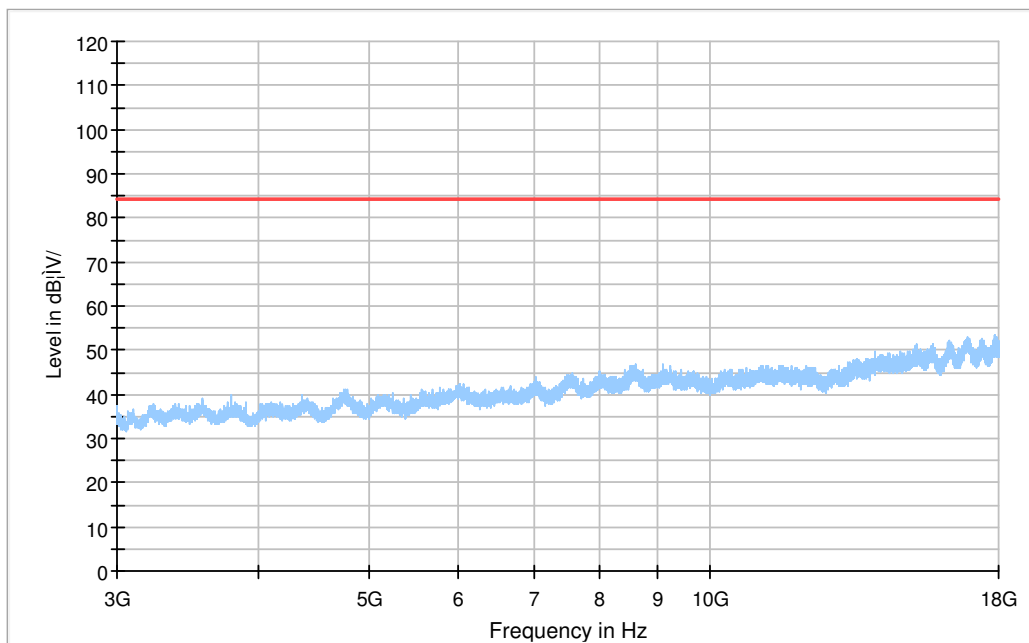
1-3GHz, Horizontal and Vertical

Full Spectrum



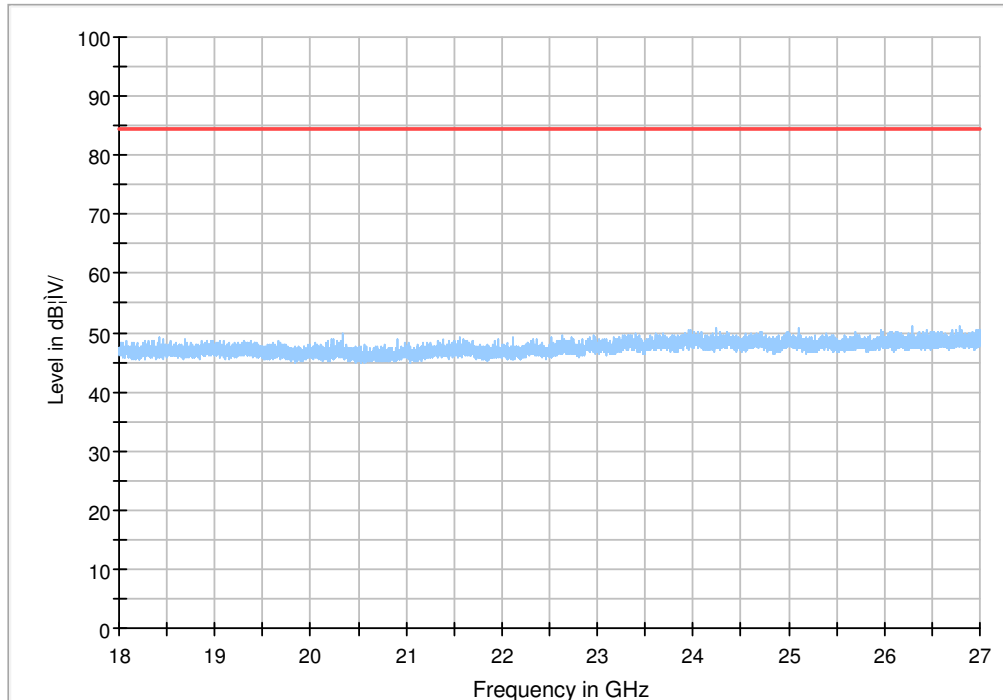
3-18GHz, Horizontal and Vertical

Full Spectrum



18-27GHz, Horizontal and Vertical

Full Spectrum



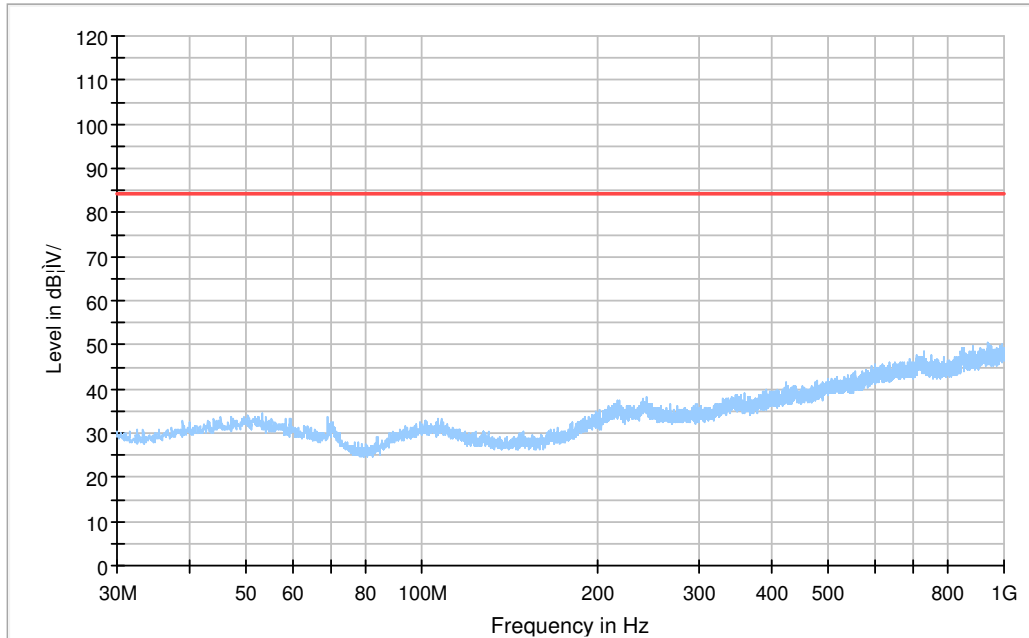
Configuration	Channel Position	Carrier	NR Carrier Bandwidth	LTE Carrier Bandwidth	NR Modulation	LTE Modulation
NR+LTE-MIMO-MC-4	B	4NR+2LTE	20MHz	20MHz	QPSK	QPSK

Configuration	Channel Position	Carrier	NR Carrier Bandwidth	LTE Carrier Bandwidth	NR Modulation	LTE Modulation
NR+LTE-MIMO-MC-4	T	4NR+2LTE	20MHz	20MHz	QPSK	QPSK

Polarization	Frequency (MHz)	Emission level RMS (dBμV/m)	Limits (dBμV/m)	Margin (dBμV/m)
Vertical	2946.284664	60.4	84.4	24.0

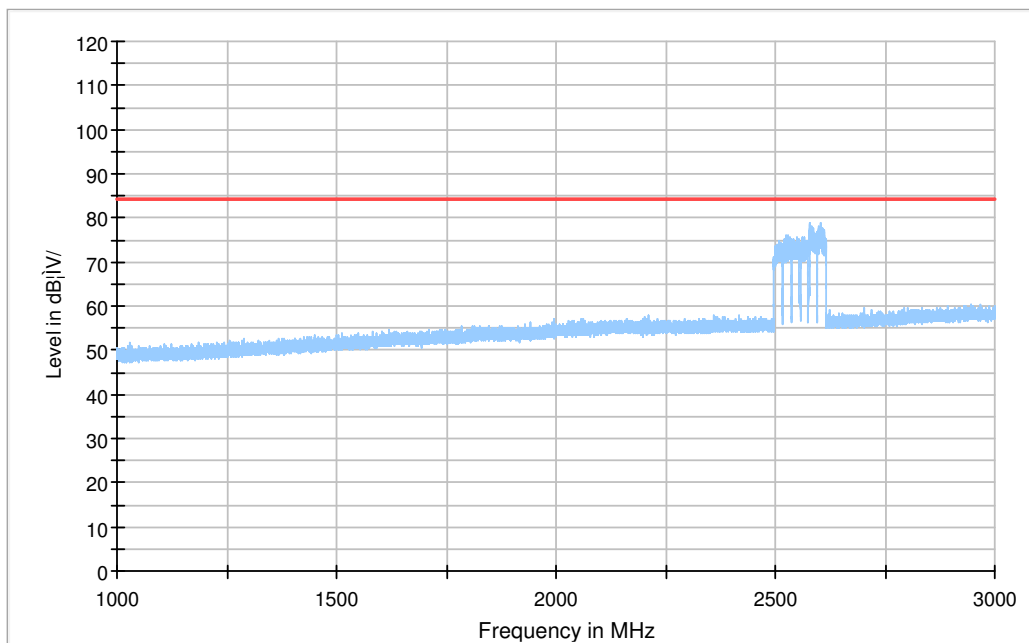
30-1000MHz, Horizontal and Vertical

Full Spectrum



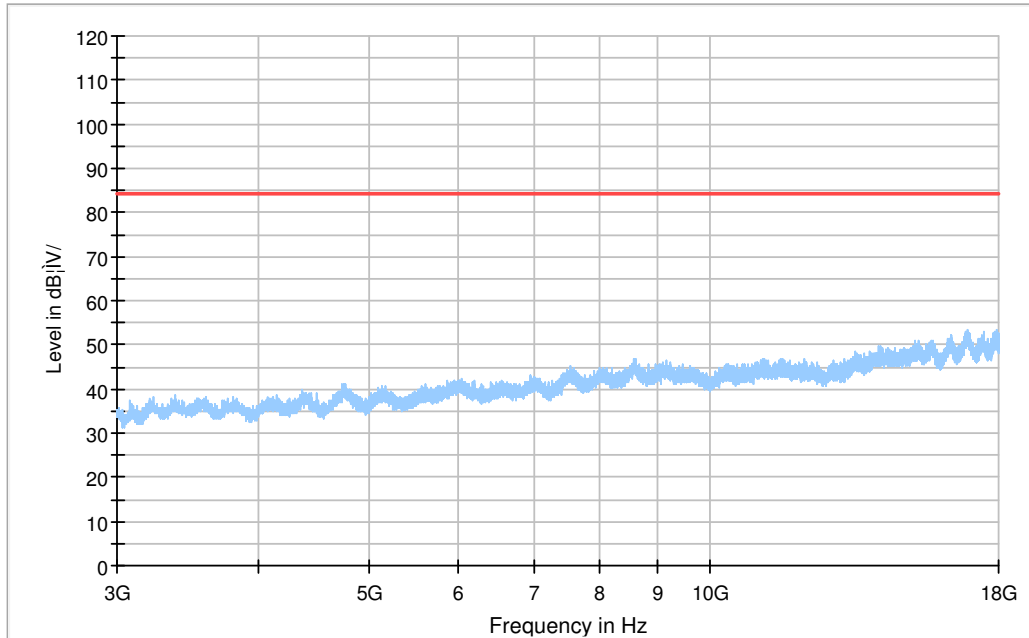
1-3GHz, Horizontal and Vertical

Full Spectrum



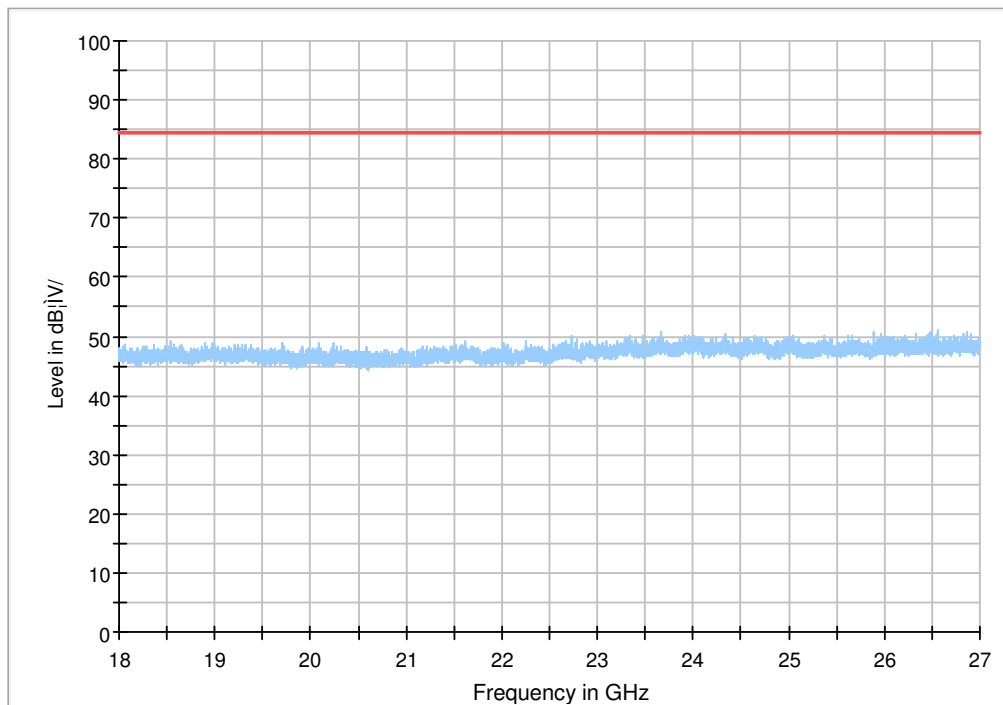
3-18GHz, Horizontal and Vertical

Full Spectrum



18-27GHz, Horizontal and Vertical

Full Spectrum



TEST REPORT

8 Frequency Stability

Test result: Tested

8.1 Limit

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

8.2 Measurement Procedure

Temperature Variation

The EUT was tested over the temperature range -30°C to +50°C in 10°C steps with -48 VDC Power Supply. At each temperature step, the Base Station was configured to transmit at maximum power on the middle channel of the operating band.

Voltage Variation

The EUT was tested at the supplied voltages varied from 85 to 115 percent of the nominal values of -48 VDC. At +20°C, the Base Station was configured to transmit at maximum power on the middle channel of the frequency block.

8.3 Measurement result

Frequency Error – Temperature Variation

KRC 161 925/1:

Configuration LTE-MIMO-1C

Antenna Port	Channel Bandwidth	Modulation	Temperature (°C)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
B	20MHz	QPSK	-30	5.72	5.74	5.69
			-20	5.74	5.71	5.64
			-10	5.62	5.68	5.72
			0	5.41	5.92	5.38
			10	5.92	5.36	5.72
			20	5.57	5.74	5.82
			30	5.28	5.69	5.74
			40	5.48	5.92	5.79
			50	5.92	5.96	6.25

Configuration NR-MIMO-1C

Antenna Port	Channel Bandwidth	Modulation	Temperature (°C)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
B	100MHz	QPSK	-30	2.57	2.67	2.43
			-20	2.61	2.58	2.56
			-10	2.68	2.72	2.81
			0	2.73	2.79	2.69
			10	2.47	2.64	2.81
			20	2.84	2.68	2.75
			30	2.71	2.75	2.62
			40	2.61	2.58	2.82
			50	2.27	2.49	2.24

TEST REPORT

Frequency Error – Voltage Variation

Configuration LTE-MIMO-1C

Antenna Port	Channel Bandwidth	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
					Channel Position B	Channel Position M	Channel Position T
B	20MHz	QPSK	20	102	5.72	5.75	5.68
				120	5.57	5.74	5.82
				138	5.47	5.81	5.79

Configuration NR-MIMO-1C

Antenna Port	Channel Bandwidth	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
					Channel Position B	Channel Position M	Channel Position T
B	100MHz	QPSK	20	102	2.75	2.84	2.46
				120	2.84	2.68	2.75
				138	2.51	2.48	2.72

KRC 161 925/2:

Configuration LTE-MIMO-1C

Antenna Port	Channel Bandwidth	Modulation	Temperature (°C)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
B	20MHz	QPSK	-30	4.58	4.48	4.84
			-20	4.55	4.24	4.23
			-10	4.51	4.35	4.22
			0	4.63	4.45	4.29
			10	4.46	5.12	4.20
			20	4.33	4.35	4.04
			30	4.37	4.14	4.22
			40	4.87	4.30	4.55
			50	4.23	4.17	4.03

Configuration NR-MIMO-1C

Antenna Port	Channel Bandwidth	Modulation	Temperature (°C)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
B	100MHz	QPSK	-30	-1.66	-1.68	-1.98
			-20	2.23	2.21	2.27
			-10	2.22	2.05	2.41
			0	2.19	2.06	2.16
			10	2.15	2.18	2.16
			20	2.13	2.10	2.41
			30	2.15	2.02	2.26
			40	1.96	2.29	2.07
			50	1.72	2.00	1.92

TEST REPORT

Frequency Error – Voltage Variation

Configuration LTE-MIMO-1C

Antenna Port	Channel Bandwidth	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
					Channel Position B	Channel Position M	Channel Position T
B	20MHz	QPSK	20	-40.8	4.85	4.34	4.49
				-48.0	4.33	4.35	4.04
				-55.2	4.18	4.02	4.41

Configuration NR-MIMO-1C

Antenna Port	Channel Bandwidth	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
					Channel Position B	Channel Position M	Channel Position T
B	100MHz	QPSK	20	-40.8	2.10	2.06	2.18
				-48.0	2.13	2.10	2.41
				-55.2	2.19	2.06	2.13

***** END *****